

Contrato CAIXA

nº 6828/2021

**Estruturação de Projeto de Concessão
para Ampliação, Modernização,
Manutenção, Operação e Gestão do
Sistema de Iluminação Pública do
Município de Itanhaém/SP**

Diagnóstico Técnico Operacional

ITANHÁÉM/SP



CONSÓRCIO VITAL

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GLOSSÁRIO

Sigla	Significado
ABCIP	Associação Brasileira das Concessionárias Privadas de Serviços de Iluminação Pública
ABNT	Associação Brasileira de Normas Técnicas
ANTT	Agência Nacional de Transportes Terrestres
CAIXA	Caixa Econômica Federal
COSIP	Contribuição de Serviço de Iluminação Pública
CTB	Código de Trânsito Brasileiro
FEP	Fundo de Apoio à Estruturação de Projetos de Concessões e PPP
GWh	Giga Watt hora
IBGE	Instituto Brasileiro de Geografia e Estatística
IP	Iluminação Pública
KWh	Quilo Watt hora
LED	Light Emitting Diode (Diodo emissor de luz)
MWh	Mega Watt hora
NBR	Norma Brasileira
PDDI	Plano Diretor de Desenvolvimento Integrado do Município de Itanhaém
PMI	Prefeitura Municipal de Itanhaém
PMM	Plano Municipal de Mobilidade
PPP	Parceria Público-Privada
PROCEL/RELUZ	Programa Nacional de Iluminação Pública e Sinalização Semafórica Eficiente
SIP	Sistema de Iluminação Pública

1 APRESENTAÇÃO

A CAIXA, com recursos do Fundo de Apoio à Estruturação e ao Desenvolvimento de projetos de Concessão e de Parcerias Público-Privadas da União, dos Estados, do Distrito Federal e dos Municípios (FEP), está apoiando a estruturação de soluções viáveis sob o ponto de vista ambiental, social e econômico-financeiro relacionados aos serviços públicos urbanos, como Saneamento, Mobilidade Urbana e Iluminação Pública (IP).

Segundo estudo da Associação Brasileira das Concessionárias Privadas de Serviços de Iluminação Pública (ABCIP), em 2020 o número de cidades que recorreram à parceria com a iniciativa privada para projetos de iluminação pública saltou de 17 para 51. Já o número de projetos em andamento subiu de 287 para 422 em relação a 2019.

O mesmo estudo evidencia que as concessões de iluminação pública, além de contribuírem para a redução do consumo de energia, ajudam na desoneração do orçamento público e promovem a melhoria da qualidade de vida da população.

Hoje, com investimentos já contratados na ordem de R\$ 18 bilhões, prevê-se que, nos próximos dois anos, o número de brasileiros que vivem em cidades que optaram pela concessão de IP e que vão se beneficiar socialmente disso alcance os 70 milhões.

A qualidade da iluminação pública está associada a diversas externalidades positivas para o cidadão, como: aumento da segurança pública, maior circulação de pessoas na rua à noite e mais produtividade nas atividades comerciais.

Trata-se, portanto, de um setor que representa uma oportunidade excepcional para investidores, por combinar sustentabilidade ambiental e impactos sociais positivos com um modelo de negócios atrativo e seguro.

Nesse sentido, o Consórcio Vital - formado pela Elemental Desenvolvimento Imobiliário, Ambiental Engenharia e Consultoria e Dutra e Santos Sociedade de Advogados – assinou o contrato CAIXA Nº 6828/2021 para desenvolver os serviços técnicos especializados de consultoria necessários à estruturação de projeto de concessão para ampliação, modernização, manutenção, operação e gestão do sistema de iluminação pública do município de Itanhaém/SP.

Em conformidade com o Termo de Referência, esses estudos constarão de quatro etapas, a saber:

- Etapa 1 – Planejamento, Diagnóstico e Estudos;
- Etapa 2 – Estruturação do Contrato;
- Etapa 3 - Validação Externa;
- Etapa 4 – Licitação da Concessão e Contratação.

Na Etapa 1 – Planejamento, Diagnóstico e Estudos, Subetapa 1.3 – Técnico Operacional, encontra-se o Bloco 1.3.1 – Situação Técnico-Operacional com o objetivo de qualificar a infraestrutura atual instalada, as características e necessidades do Ente Público, as características do modelo atual de gestão, operação e manutenção do Parque de Iluminação Pública bem como os níveis de serviço atuais.

O presente documento é o Relatório do Diagnóstico da Situação Técnico Operacional do Parque de Iluminação Pública, que segundo o Termo de Referência, inclui, dentre outros aspectos:

- Inventário da infraestrutura existente bem como sua situação patrimonial;
- Análise da confiabilidade das informações disponibilizadas pelo Ente Público;
- Inventário de classificação viária das vias do Ente Público;
- Distribuição dos pontos/tipos de iluminação de acordo com a classificação viária e demais elementos (praças, parques e outros);
- Iluminação de Destaque;
- Identificação de áreas com deficiência de cobertura;
- Mapeamento e avaliação acerca dos projetos de expansão e modernização em andamento ou em fase de contratação e seu impacto;
- Análise do modelo atual de operação e manutenção do Parque de Iluminação Pública;

2 OBJETIVOS DO RELATÓRIO

Este Relatório de Diagnóstico da Situação Técnico Operacional da Iluminação Pública de Itanhaém tem como objetivo apresentar as características do Parque de Iluminação Pública do município em relação as condições atuais encontradas através de vistoria de campo e análise de dados documentais fornecidos pela prefeitura para o levantamento do inventário de toda infraestrutura do Parque.

Este produto está particionado nos seguintes grandes temas:

- Diagnóstico Técnico da Rede de IP;
- Análise dos cadastros de Iluminação Pública disponíveis, histórico do consumo de energia, qualidade do parque de IP;
- Análise das informações sobre classificação viária disponível no Município;
- Mapeamento da operação e manutenção atual do parque de IP;
- Análise do histórico de expansão do parque de IP, projeções futuras, demanda reprimida e projetos de modernização realizadas ou em andamento;
- Levantamento de todas as despesas com os serviços de Iluminação Pública;
- Análise da arrecadação da COSIP (modelo atual, comparativo com despesas).
- Análise Institucional da Operação Atual: Identificação da estrutura organizacional do Município voltada para os serviços de Iluminação Pública, e o modelo de governança existente.
- Barreiras Regulatórias o Análise dos contratos vigentes junto à Distribuidora de Energia Elétrica do Estado;
- Análise do contrato do operador atual do parque de IP.

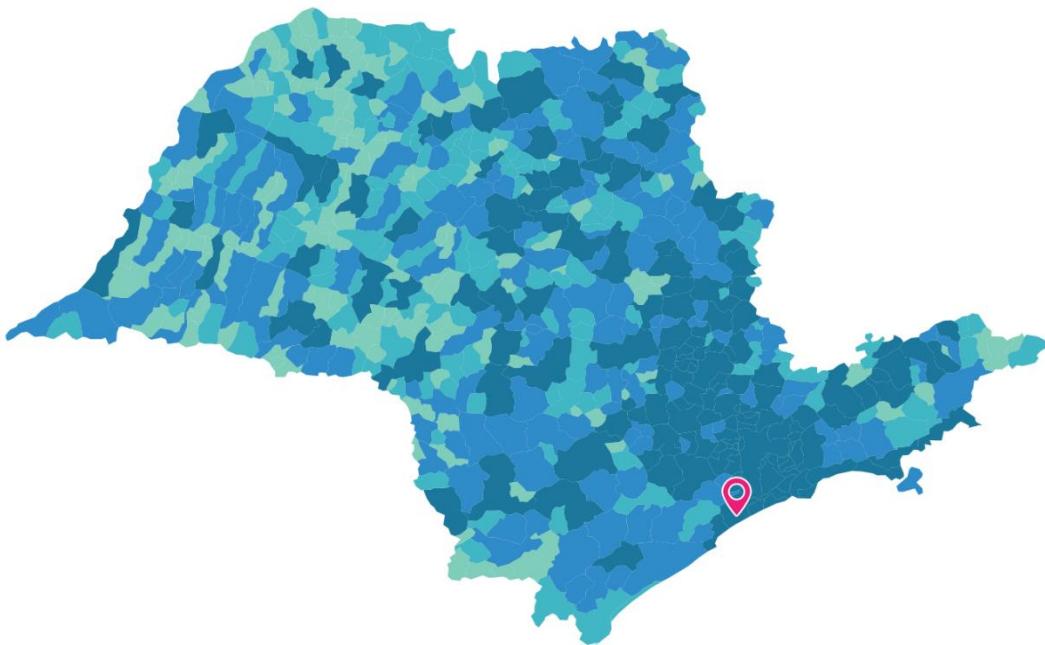
As informações contidas nesse Relatório servirão de subsídio para a elaboração de um cenário futuro do Parque de IP de Itanhaém, sendo descrito nesse documento as principais premissas que deverão ser seguidas para elaboração dos próximos relatórios desse projeto.

3 CONTEXTUALIZAÇÃO DO MUNICÍPIO

O município de Itanhaém está localizado no litoral sul do Estado de São Paulo e integra a região da baixada santista. Seus limites estão situados com os municípios de São Paulo e São Vicente a nordeste; Juquitiba a noroeste; Pedro de Toledo a oeste; Peruíbe a sudoeste; Mongaguá a leste; e Oceano Atlântico ao sul.

A cidade é atravessada pela rodovia BR-101 e pela antiga linha férrea desativada, e situa-se a cerca de 110 km da capital, São Paulo, via rodovia dos Imigrantes. O Aeroporto Estadual de Itanhaém opera em linha com o Aeroporto de São Paulo (Congonhas). Por cumprir pré-requisitos dispostos em lei estadual, atribui-se ao município o status de Estância Balneária.

Figura 1 - Localização da Estância Balneária de Itanhaém



Fonte: IBGE Cidades

Segundo o Censo IBGE realizado em 2010, o município contava com 87.057 habitantes. Em 2021, a população foi estimada em 104.351 habitantes (IBGE), com a maior parte concentrada em áreas urbanas, as quais respondem por 35% do território. Cerca de 36.000 hectares são ocupados pelo Parque Estadual da Serra do Mar, Terra Indígena e Áreas de Preservação Permanentes, correspondendo a 60% da área total.

Apenas 3.000 hectares são dedicados à agricultura e pecuária. Na Figura 2 está apresentado a atual divisão de bairros para o município.

Figura 2 – Mapa do município de Itanhaém



Fonte: PMI

A História do município remonta ao início da colonização portuguesa, sendo a segunda cidade mais antiga do Brasil, fundada em 22 de abril de 1532, por Martim Afonso de Souza. É uma cidade com importante vocação turística, tendo em vista os mais de 26 quilômetros de áreas de praias, rios e cachoeiras em boas condições de conservação, além dos demais atrativos históricos.

Em épocas de alta temporada, o fluxo de turistas pode aumentar muito o tamanho da população, de acordo com o Plano Diretor de Desenvolvimento Turístico de Itanhaém a projeção da população flutuante do município para 2020 foi de 209.471 pessoas e isso se dá principalmente pela proximidade com São Paulo e a gama de praias presentes na cidade, como pode ser visualizado nas Figura 3 à Figura 7.

Figura 3 - Estátua Mulheres de Areia situada na Praia dos Pescadores



Figura 4– Vista do Mirante da Caixa d’água para as praias do norte de Itanhaém



Figura 5 – Praia da Gruta, onde se situa o ponto turístico Cama de Anchieta



Figura 6 - Vista do Mirante da Caixa d’água para as praias do sul de Itanhaém



Figura 7 - Letreiro de Itanhaém na entrada do Caminho de Anchieta



Fonte: Consórcio Vital

Nesse contexto, o parque de iluminação pública possui grande importância para a qualidade de vida do cidadão; para atração e melhoria da experiência dos turistas; e valorização e destaque do patrimônio histórico e cultural do Brasil.

4 CARACTERIZAÇÃO DO PARQUE DE ILUMINAÇÃO PÚBLICA

4.1 Inventário da Infraestrutura Existente e da Situação Patrimonial

4.1.1 Bases de dados de cadastro de IP

Para análise das informações acerca do cadastro de Iluminação Pública do Município de Itanhaém, conforme dados apresentados nos tópicos a seguir, foi utilizada a seguinte base de dados disponibilizada pela concessionária:

- Referência: Cadastro de pontos de IP (recebido em 25/11/2021)
- Formato: kmz
- Quantidade de Pontos de IP: 20.367
- Informações disponíveis: Logradouro, Latitude, Longitude, Tipo de Lâmpada e Potência.

As análises apresentadas nos próximos tópicos tiveram como base o cadastro de IP disponibilizado pela concessionária e um trabalho de verificação *in loco* deste cadastro, de forma amostral, com visita em diversos pontos selecionados aleatoriamente, em linha com a definição da Norma NBR 5426.

Neste relatório são apresentadas análises e considerações quanto a divergências do cadastro de IP com as informações encontradas *in loco*. Complementarmente à base de dados citadas acima, foram disponibilizados pela Prefeitura de Itanhém e pela Distribuidora de Energia (Elektro), diversos arquivos que foram utilizados para a caracterização do parque de IP de Itanhaém, para a elucidação dos principais pontos que devem ser avaliados para estruturação de uma PPP de Iluminação Pública e para a construção de todas as análises que são apresentadas nos tópicos a seguir

O cadastro enviado pela Distribuidora Elektro à PMI representa uma parte dos pontos de luz da cidade, sendo suficiente para localização dos pontos que são alimentados por rede não dedicada à IP, mas não para a totalidade dos pontos existentes. Acredita-se que a insuficiência do cadastro elaborado pela distribuidora esteja na falta de atualização dos projetos desenvolvidos pelo município.

Diante disso, para complementação do cadastro dos pontos de luz na cidade, foram utilizadas informações dos processos licitatórios e de levantamento próprio da prefeitura.

4.1.2 Análise do Cadastro de Iluminação Pública

O cadastro do parque de iluminação pública, fornecido pela Elektro, em 25/11/2021, aponta um total de 20.367 pontos de luz.

As informações contidas no cadastro fornecido são relativas à:

- Localização dos pontos de Iluminação;
- Tipo e Potência de Lâmpadas.

A distribuição dos pontos se encontra na Tabela 1, dividida pelos parâmetros apresentados.

Tabela 1 – Divisão por Tipo, Cadastro Distribuidora

Tipo de lâmpada	Potência (W)	Quantidade	%
Vapor de Sódio	70	7.126	35%
Vapor de Sódio	100	11.435	56%
Vapor de Sódio	150	290	1%
Vapor de Sódio	250	1.516	7%
Total Geral	-	20.367	100%

Fonte: Cadastro Distribuidora Elektro, 2022

A qualidade dos dados foi verificada por amostragem em levantamento de campo, e está detalhada no item 4.2. deste relatório. O Anexo 1 apresenta o cadastro fornecido pela Elektro.

4.1.3 Levantamento da Prefeitura Municipal

O termo de referência do edital de concorrência nº 03/2020, apresentado pela PMI, indica um total de 26.972 pontos de luz na cidade. Esse estudo teve sua elaboração em outubro de 2021, destacando 20.523 pontos de rede de alimentação da Distribuidora, e outros 6.449 pontos de rede dedicada à Iluminação Pública pertencente ao Município. A Tabela 2 traz o resumo dos números presentes nesse documento.

Tabela 2 - Cadastro da Prefeitura Municipal de Itanhaém

Tipo de lâmpada	Potência (W)	Quantidade	%
Vapor de Sódio	70	7.766	29%
Vapor de Sódio	100	11.116	41%
Vapor de Sódio	150	2.620	10%

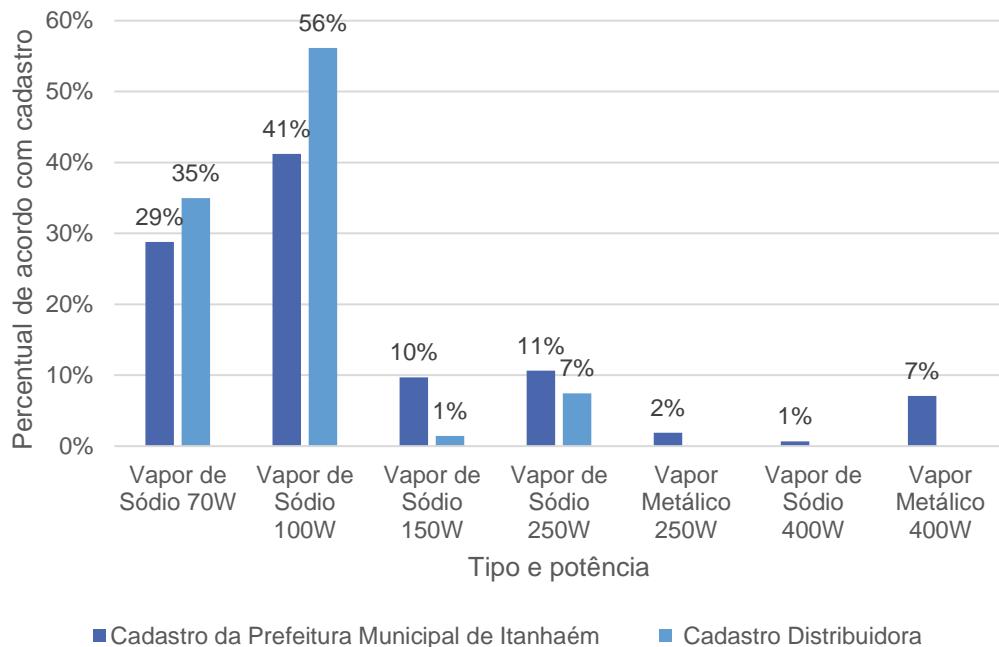
Tabela 2 - Cadastro da Prefeitura Municipal de Itanhaém			
Vapor de Sódio	250	2.872	11%
Vapor Metálico	250	514	2%
Vapor de Sódio	400	179	1%
Vapor Metálico	400	1.905	7%
TOTAL	-	26.972	100%

Fonte: Prefeitura Municipal de Itanhaém

4.1.4 Resumo Comparativo

O Gráfico 1 ilustra a diferença entre o cadastro apresentado pela concessionária e o termo de referência do edital de concorrência Nº 03/2020. Nele é possível verificar a apresentação de quantitativo de pontos de 400 watts, sejam de vapor de sódio ou vapor metálico, visualizados no campo pela equipe técnica principalmente em praças e avenidas principais, tema a ser abordado nos próximos itens.

Gráfico 1 – Resumo comparativo entre tipo e potência dos cadastros apresentados¹.



¹ Ressalta-se que cada percentual considera o valor total de seus respectivos cadastros, ou seja 26.972 para o estudo da PMI e 20.367 para o cadastro da Elektro.

A divergência entre os dados do cadastro da Elektro e o obtido pelo levantamento recente realizado pela PMI, encontra-se nos pontos de rede dedicada à IP, assim como em novos pontos de expansão e requalificação devidamente observados em campo. Em reunião realizada em 31 de janeiro de 2022, a Elektro confirmou que os quantitativos levantados pela PMI estão alinhados ao cadastro de cobrança de energia que ela possui.

Até o fechamento deste relatório, a Elektro não havia enviado as informações complementares do cadastro de IP. Para superar essa dificuldade, diversas fontes secundárias e simulações foram realizadas sobre a malha urbana do município, como apresentado mais adiante, indicando, com razoável certeza, que não haverá qualquer prejuízo ao desenvolvimento do Relatório de Estudos de Engenharia. Desta forma optou-se pelo fechamento deste relatório, mantendo-se a solicitação de cadastro atualizado da Elektro para confirmação das conclusões desse diagnóstico.

4.2 Metodologia do Levantamento Amostral em Campo

As inspeções de qualidade do Cadastro de IP nas vias do município ocorreram a partir de uma avaliação amostral definida nas normas: ABNT NBR 5426 – Planos de Amostragem e procedimentos na inspeção por atributos e ABNT NBR 5427 – Guia de utilização da norma NBR 5426, conforme solicitado no Termo de Referência (Contrato nº 6828/2021 CAIXA).

Essas normas orientam quanto ao estabelecimento de planos de amostragem e procedimentos para inspeção por atributos e possibilitam avaliar qualitativamente todo o parque de iluminação pública

4.2.1 Levantamento Amostral com base na ABNT NBR 5426

Cumprindo o estabelecido no Termo de Referência do presente contrato de modelagem, as amostras de coleta foram divididas em dois grupos de informações:

- Grupo 1: Iluminância: com o objetivo de verificar o atendimento das vias à Norma NBR 5101 no que se refere aos parâmetros iluminância média e uniformidade (iluminância mínima/ iluminância média);
- Grupo 2: Parâmetros das vias (largura da via, espaçamento entre postes etc.) e de montagem (altura luminária, comprimento braço etc.) com o

principal objetivo de validar as informações contidas no cadastro de Iluminação Pública (potência e tecnologia, principalmente) e coletar informações necessárias para realização dos projetos luminotécnicos.

4.2.1.1 Determinação da Amostra

A partir das orientações da norma ABNT NBR 5427 e aplicando-as na NBR 5426, a amostra foi definida da seguinte forma:

- Codificação de amostragem a partir do tamanho do lote (em vermelho) pela tabela 1 da NBR 5426/1989 (Figura 8): 20.367 de pontos de luz, considerando:
 - ✓ Para determinação do número mínimo da amostra, foi aplicado o nível de inspeção I para o Grupo 1 (em azul) e o nível de inspeção II para o Grupo 2 (em laranja).

Figura 8 – Tabela para determinação de amostragem

Tamanho do lote	Níveis especiais de inspeção				Níveis gerais de inspeção		
	S1	S2	S3	S4	I	II	III
2 a 8	A	A	A	A	A	A	B
9 a 15	A	A	A	A	A	B	C
16 a 25	A	A	B	B	B	C	D
26 a 50	A	B	B	C	C	D	E
51 a 90	B	B	C	C	C	E	F
91 a 150	B	B	C	D	D	F	G
151 a 280	B	C	D	E	E	G	H
281 a 500	B	C	D	E	F	H	J
501 a 1200	C	C	E	F	G	J	K
1201 a 3200	C	D	E	G	H	K	L
3201 a 10000	C	D	F	G	J	L	M
10001 a 35000	C	D	F	H	K	M	N
35001 a 150000	D	E	G	J	L	N	P
150001 a 500000	D	E	G	J	M	P	Q
Acima de 500001	D	E	H	K	N	O	R

Fonte: NBR 5426, 1989.

Com a relação entre o tamanho do lote e os devidos níveis de inspeções requeridos, foram fixadas as codificações K para o grupo 1 e M para o grupo 2.

- A partir da tabela 2 da NBR 5426, Plano de Amostragem Simples, com Regime de Inspeção Normal, obteve-se os tamanhos das amostras do Grupo 1 (azul) e Grupo 2 (laranja), considerando um nível de confiança de 95% (Nível de Qualidade Aceitável preferencial 4,0), conforme a Figura 9 a seguir:

Figura 9 - Plano de Amostragem Simples – Normal

Fonte: NBR 5426, 1989.

O dimensionamento das amostras é concluído da seguinte forma:

- Grupo 1: 125 pontos;
 - Grupo 2: 315 pontos.

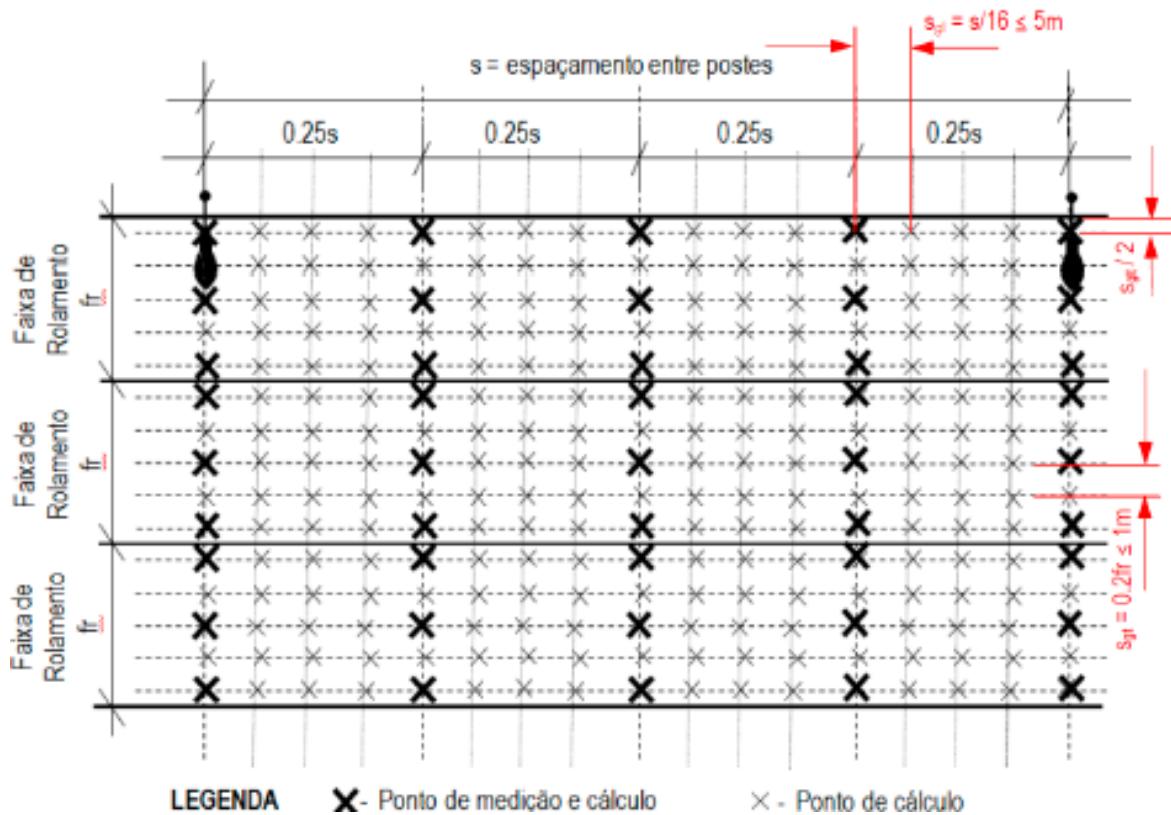
4.2.2 Procedimentos de Campo

Para realizar a verificação do sistema de iluminação pública (SIP) do município de Itanhaém, foram realizadas inspeções de campo para levantamento dos níveis de iluminância e uniformidade das vias.

A metodologia de verificação dos grupos 1 e 2, seguiu a NBR 5101/2018 e o quantitativo amostral foi determinado através da NBR 5426/1989, conforme descrito no item 4.2.1 anteriormente.

Para o levantamento do grupo 1, de iluminância, o procedimento de coleta de dados ocorreu de acordo com o ilustrado na Figura 10.

Figura 10 – Malha para Verificação Detalhada



Fonte: NBR 5101, 2018.

Os espaçamentos entre os pontos da malha e o quantitativo de pontos de medições foram definidos seguindo recomendação da NBR 5101/2018, e estão resumidos na Tabela 3.

Tabela 3 – Malhas de Medições

Número de faixas de rolamentos	Quantidade de pontos da grade de cálculo	Quantidade de pontos da grade de medição
1	$17*5 = 85$	15
2	$17*10 = 170$	30
3	$17*15 = 255$	45
4	$17*20 = 340$	60
5	$17*25 = 425$	75

Fonte: NBR 5101, 2018.

As medições de iluminância foram realizadas nos pontos indicados em malha, utilizando-se os Luxímetros modelo ICEL LD-550 (calibrados em 17 de novembro de 2021 com certificados nº 126616/21, 126617/21 e 126618/21).

Figura 11 - Luxímetro ICEL LD-550 utilizado em campo.



Fonte: Instrutherm

4.2.2.1 Planejamento das Medições

O planejamento de medições buscou contemplar todos os tipos de vias do Município. A partir da hierarquização viária apresentada pela PMI, as vias foram divididas em arteriais, coletoras e locais.

O método escolhido de análise levou em consideração os parâmetros da norma NBR 5101 em relação a padrões de estrutura e iluminância das hierarquias viárias.

As principais características estruturais (Grupo 2) observadas foram:

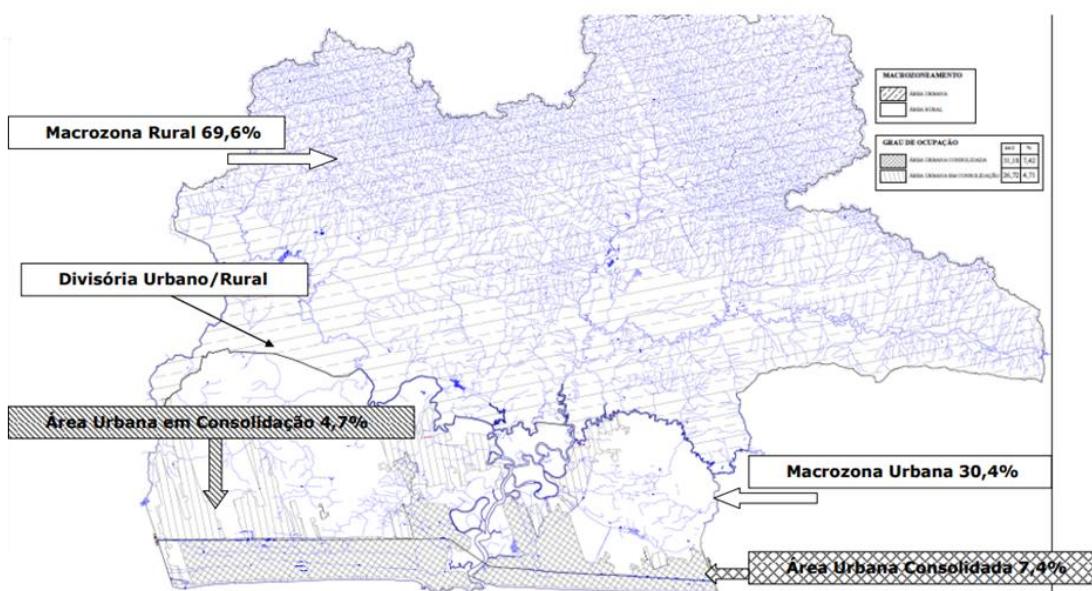
- Dimensões da via;
- Tipo da Via;
- Espaçamento entre centros luminosos;
- Comprimento do braço (projeção horizontal);
- Altura de montagem;
- Tipos e potências de lâmpadas e luminárias, braços e redes;
- Fluxo do trânsito e tráfego pedestres;
- Avaliação do levantamento de acidentes de trânsito nas vias;
- Influência da arborização.

4.2.2.2 Seleção dos Pontos para Levantamento

A partir do Cadastro da Elektro foi realizada a escolha aleatória da amostra de pontos, considerando as seguintes premissas:

- Foi utilizada a mesma amostra para a verificação dos parâmetros dos grupos 1 e 2: os pontos do grupo 1 estão contidos nos pontos do Grupo 2;
- A amostra foi selecionada apenas dentro dos limites da área urbana da cidade, conforme apresentado na Figura 12. Considera-se que a normatização das vias rurais de acordo com a NBR 5101 traria impactos financeiros substanciais ao projeto, sem retorno social compatível pelo baixo fluxo de movimento nas vias.

Figura 12 – Divisão entre área rural e urbana para o município.



Fonte: Plano Diretor de Desenvolvimento Turístico de Itanhaém

- O lote cadastral de iluminação pública não é homogêneo. São diferentes tipos e potências de lâmpadas e luminárias, além de outras características estruturais (altura de montagem, comprimento de braço, largura de via etc.) que constituem o parque de IP
- São também distintos os usos, importância e necessidades das vias e locais públicos. Também devem ser destacados os pontos de situações básicas previstas na NBR 5101 (praças, interseções, túneis, pontes etc.).
- Para permitir a correta adoção da seleção aleatória prevista na norma NBR 5426, procedeu-se a uma amostragem estratificada, que envolveu a divisão do cadastro em subgrupos homogêneos para diferentes configurações da IP, conforme previsto no item 4.4 da referida norma. Para tanto,

empreendeu-se a divisão do cadastro em subgrupos por tipo de via, que apresenta grande correlação com tipo e potência de lâmpada e atende à necessidade de hierarquizar o futuro projeto de engenharia pela importância que têm para a cidade. Isso porque são os pontos de maiores potências, mais concentrados (impactos financeiros), com maiores fluxos, mais acidentes e mais ocorrências criminais (impactos sociais).

- Amostras aleatórias foram então selecionadas dentro de cada subgrupo nas proporções definidas, conforme apresentado a seguir:
 - Vias arteriais;
 - Vias coletoras da sede do município;
 - Vias locais em diversos bairros.

4.2.2.3 Agenda

O levantamento dos pontos foi realizado entre os dias 06/12/2021 e 12/12/2021. Seu detalhamento está apresentado na Tabela 4.

Tabela 4 – Agenda de Endereços Visitados

Data	Logradouro	Classificação
6/12/21	Rua Rio Grande do Norte	Local
7/12/21	Rua Itapurã	Coletora
7/12/21	Av. Marginal Anchieta - Sul	Arterial
7/12/21	Rua Morvan Figueiredo	Local
7/12/21	Alameda Campos Elíseos	Coletora
7/12/21	Rua Marta	Local
7/12/21	Rua Rogê Ferreira	Local
7/12/21	Rua Itapema	Local
7/12/21	Rua Avanhandava	Local
7/12/21	Av. Dr. José Peixe Abade	Local
7/12/21	Av. Dr. José Peixe Abade	Local
7/12/21	Prç. Nossa Sra. do Sion	Local
7/12/21	Av. Suarão	Local
7/12/21	Rua Ibiúna	Local
7/12/21	Rua Rosália Ferraro	Local
7/12/21	Av. Marginal - Sul	Arterial
7/12/21	Rua Cap. Afonso Tessitore	Coletora
7/12/21	Av. Atlântica	Local
7/12/21	Av. Lydia	Coletora
7/12/21	Av. Pedro Gerônimo Soares	Local
7/12/21	Av. Pedro Gerônimo Soares	Local
7/12/21	Rua Édson Gabriel dos Santos	Local
7/12/21	Rua Bahia	Local

Tabela 4 – Agenda de Endereços Visitados

7/12/21	Av. Fláclides Ferreira	Coletora
7/12/21	Av. Sorocabana	Coletora
7/12/21	Rua Corumbá	Local
7/12/21	Rua Emídio de Souza	Coletora
7/12/21	Av. Sorocabana	Arterial
7/12/21	Av. Padre Anchieta	Local
7/12/21	Av. São Paulo	Coletora
8/12/21	Rua Humberto Ataúlo	Local
8/12/21	Av. Cabuçu	Arterial
8/12/21	Av. Ipiranga	Coletora
8/12/21	Rua Mato Grosso	Local
8/12/21	Rua Arturo Mainard	Local
8/12/21	Rua Armenia	Arterial
8/12/21	Av. Albert Sabin	Local
8/12/21	Av. Clara Martins Zwarg	Coletora
8/12/21	Av. Ipiranga	Coletora
8/12/21	Av. Ipiranga	Coletora
8/12/21	Av. Cel. Seckler	Local
8/12/21	Av. Estados Unidos	Arterial
8/12/21	Estrada Coronel Joaquim Branco	Arterial
8/12/21	Rua Aristídes Mendes de Oliveira	Local
8/12/21	Av. Santo André	Local
8/12/21	Rua Ana Maria Martins Rivera	Coletora
8/12/21	Av. José Batista Campos	Arterial
8/12/21	Rua João Capistrano Pereira	Coletora
8/12/21	Rua Campos Sales	Local
8/12/21	Rua André Ricardo de Munhoz	Local
8/12/21	Rua da Praça Carlos Botelho	Local
8/12/21	Av. Vicente de Carvalho	Arterial
8/12/21	Av. Albert Sabin	Arterial
8/12/21	Av. Julinha	Coletora
8/12/21	Av. Julinha	Coletora
8/12/21	Av. Sebastião M. Lima	Arterial
8/12/21	Av. Clara Martins Zwarg	Coletora
8/12/21	Rua José Dominiciano da Silva	Local
8/12/21	Av. Pedro Walmore de Araújo	Coletora
8/12/21	Av. Tamoios	Local
8/12/21	Av. Padre João Daniel	Local
9/12/21	Rua João Antonio da Silva	Local
9/12/21	Rua Emídio de Souza	Coletora
9/12/21	Rotatória	Arterial
9/12/21	Rotatória	Arterial
9/12/21	Av. Marginal Anchieta - Norte	Arterial
9/12/21	Av. Benedito Ribeiro	Local
9/12/21	Estrada Coronel Joaquim Branco	Arterial
9/12/21	Av. Cel. Seckler	Local
9/12/21	Rua Emídio de Souza	Coletora
9/12/21	Av. José Batista Campos	Arterial
9/12/21	Rua dos Fundadores	Arterial

Tabela 4 – Agenda de Endereços Visitados

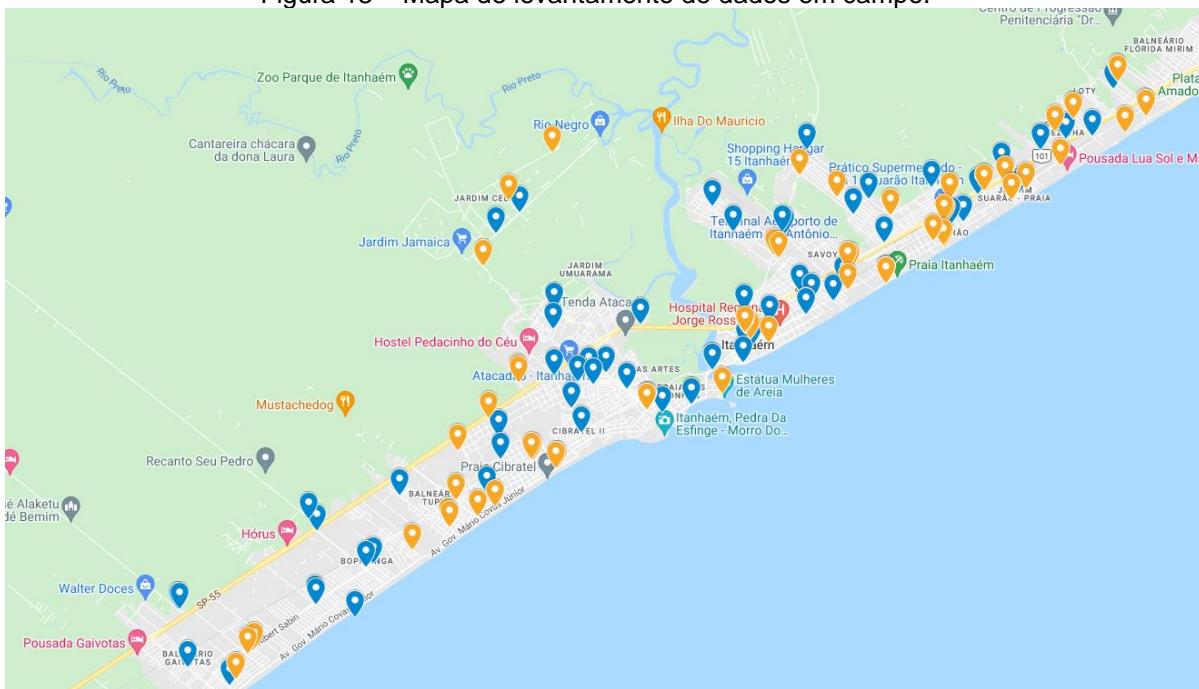
9/12/21	Rua dos Fundadores	Arterial
9/12/21	Rua Peruíbe	Local
9/12/21	Rua Bahia	Local
9/12/21	Av. Sorocabana	Coletora
9/12/21	Av. Paulo José de Moraes	Arterial
9/12/21	Rua João Batista Dias	Local
9/12/21	Av. Conceição de Itanhaém	Coletora
9/12/21	Av. São Paulo	Local
9/12/21	Av. Dr. Antonio Ribeiro Nogueira	Local
9/12/21	Rua Ezequiel Correa de Araújo	Arterial
9/12/21	Estrada do Rio Preto	Arterial
9/12/21	Rua Vinte e Nove	Local
9/12/21	Av. Condessa de Vivimeiros	Local
10/12/21	Av Rui Barbosa	Arterial
10/12/21	Av Rui Barbosa	Arterial
10/12/21	Rua Emídio de Souza	Coletora
10/12/21	Av. Jaime de Castro	Coletora
10/12/21	Av. Jaime de Castro	Arterial
10/12/21	N/I	Coletora
10/12/21	Av. Gov. Mario Covas Júnior	Local
10/12/21	Av. Padre Anchieta	Local
10/12/21	Rua Dom José Gaspar da Silva	Local
10/12/21	Rua lateral à Praça Carlos Botelho	Local
10/12/21	Rua Cunha Moreira	Coletora
10/12/21	Av. Presidente Vargas	Local
10/12/21	Av. João Batista Leal	Arterial
10/12/21	Rua João Mariano Ferreira	Coletora
10/12/21	Rua Taipoca	Arterial
11/12/21	Av. Rui Barbosa	Local
11/12/21	Av. Marginal - Sul	Arterial
11/12/21	Av. Presidente Vargas	Calçada
11/12/21	Av. Harry Forssell	Arterial
11/12/21	Rua Almeida Júnior	Coletora
12/12/21	Av. Domingos Peres Domingues	Local
12/12/21	Rua José Maria Fonseca Corrêa	Local
12/12/21	Av. Condessa de Vivimeiros	Local
12/12/21	Rua Maranhão	Local
12/12/21	Rua Dom José Gaspar da Silva	Local
12/12/21	Av. Gov. Mario Covas Júnior	Local
12/12/21	Rua Maranhão	Local

Fonte: Elaboração Consórcio Vital, 2022

Os anexos 2 e 3 apresentam as tabelas completas, com os resultados encontrados nos grupos 1 e 2

A Figura 13 ilustra os pontos levantados durante o período.

Figura 13 – Mapa de levantamento de dados em campo.



Legenda: Em azul as ações de levantamento amostral do grupo 1, em laranja as ações de levantamento amostral do grupo 2

4.3 Inventário de Classificação das Vias

De acordo com a NBR 5101, a distribuição adequada das intensidades luminosas das luminárias é um fator essencial para a eficiência da iluminação viária. Essa distribuição deverá atender aos níveis de tráfego entre às 18h e 21h e para isso é necessário a qualificação das vias em classe de V1 a V5 para veículos e P1 a P4 para pedestres de acordo com a referida norma e conforme será apresentado a seguir.

4.3.1 Classificações Viárias Municipais (PDDI)

Em relação a Hierarquização Viária, o PDDI municipal apresenta a hierarquização viária municipal (Anexo 4 do presente Relatório) divididas em vias Arteriais, Coletoras e Locais, conforme o Código Brasileiro de Trânsito (CTB). O PDDI, juntamente com um arquivo *shapefile* de arruamento disponibilizado pela prefeitura, foram subsídios para elaboração de um documento em formato de planilha onde estão listadas todas as vias do município, bem como sua classificação segundo o CTB.

Esse documento (planilha) foi entregue para que a PMI colaborasse com a classificação do fluxo de tráfego validando a classificação atribuída por esta consultoria para vias arteriais, coletoras e de pedestres, chegando assim na qualificação das vias, conforme a NBR 5101, para o futuro projeto de engenharia.

Essa foi a metodologia adotada pelo Consórcio Vital para a classificação viária a nível de iluminação pública visto que o município não a possuía.

Como proposta e orientação técnica para o preenchimento da planilha, foi elaborada a Classificação de Iluminação das Vias (Anexo 5), com base nos documentos e normas relatadas, pela experiência da equipe no trabalho de campo e nos estudos relacionados a esse Relatório, como analisado nos itens a seguir.

4.3.2 Classificação de Iluminação para Projetos de IP

De acordo com a NBR 5101/2018, as vias devem classificadas a partir das disposições previstas no Código de Trânsito Brasileiro. Para o projeto de Iluminação Pública devem ser avaliadas as características da via e se estas contemplam dados de volume de tráfego ou de classificação de velocidade diferente (superior ou inferior) daquelas estabelecidas para cada tipo de via.

A partir dos atributos das vias e a intensidade de tráfego (Tabela 5 e Tabela 6), a norma estabelece as classes de iluminação das vias de trânsito de V1 a V5 (Tabela 7), assim como para vias de pedestres de P1 a P4 (Tabela 8). As normas da ABNT não cobrem critérios para classificação de praças, parques e pontos de ônibus.

Embora a norma ABNT 5101 não registre ou configure vínculo entre as classes de iluminação viária e a via de pedestres, na prática, tanto para projetos como para verificação/inspeção, o que se observa é a adoção dos mesmos índices para os dois “tipos de vias”, o que permite tal associação como orientação geral.

Tabela 5 - Tráfego Motorizado

Classificação	Volume de tráfego noturno ^a de veículos por hora, em ambos os sentidos, em pista única ^b .
Leve (L)	150 a 500
Médio (M)	501 a 1.200
Intensa (I)	Acima de 1.200

^a Valor máximo das médias horárias obtidas nos períodos compreendidos entre 18 h e 12 h.

^b Valores para velocidades regulamentadas por Lei

NOTA Para vias com tráfego menor do que 150 veículos por hora, consideram-se as exigências mínimas do Grupo Leve (L) e, para vias com tráfego muito intenso, superior a 2400 veículos por hora, consideram-se as exigências máximas do grupo de tráfego intenso (I).

Fonte: NBR 5101, 2018.

Tabela 6 - Tráfego de Pedestres^a

Classificação	Pedestres cruzando vias com tráfego motorizado
Sem Tráfego (S)	Como nas vias arteriais
Leve (L)	Como nas vias residenciais médias
Médio (M)	Como nas vias comerciais secundárias
Intenso (I)	Como nas vias comerciais principais

^a O projetista deve levar em conta esta tabela, para fins de elaboração de projeto

Fonte: NBR 5101, 2018.

Tabela 7 - Classes de iluminação para cada tipo de via - Veículos

Descrição da via	Classe de Iluminação
Vias arteriais; vias de alta velocidade de tráfego com separação de pistas; vias de mão dupla, com cruzamentos e travessias de pedestres eventuais em pontos bem definidos; vias rurais de mão dupla com separação por canteiro ou obstáculo	
Volume de tráfego intenso	V1
Volume de tráfego médio	V2
Vias coletoras; vias de tráfego importante; vias radiais e urbanas de interligação entre bairros, com tráfego de pedestres elevado	
Volume de tráfego intenso	V2
Volume de tráfego médio	V3
Volume de tráfego leve	V4
Vias locais; vias de conexão menos importante; vias de acesso residencial	
Volume de tráfego médio	V4
Volume de tráfego leve	V5

Fonte: NBR 5101, 2018

Tabela 8 - Classes de iluminação para cada tipo de via - Pedestres

Descrição da via	Classe de Iluminação
Vias de uso noturno intenso por pedestres (por exemplo, calçadões, passeios de zonas comerciais)	P1
Vias de grande tráfego noturno de pedestres (por exemplo, passeios de avenidas, praças, áreas de lazer)	P2
Vias de uso noturno moderado por pedestres (por exemplo, passeios, acostamentos)	P3
Vias de pouco uso por pedestres (por exemplo, passeios de bairros residenciais)	P4

Fonte: NBR 5101, 2018.

Definidas as classes de iluminação de cada via, para o atendimento exigido pela NBR 5101 os valores coletados em campo (Grupo 1) devem ter os parâmetros calculados de Iluminância Média Mínima ($E_{med,min}$) assim como de Uniformidade (U)

acima dos valores atribuídos na Tabela 9 e Tabela 10. Desta forma foram calculados os índices de atendimento à norma.

Tabela 9 - Iluminância média mínima e uniformidade para cada classe de iluminação - Veículos

Classe de Iluminação	Iluminância Média Mínima <i>Eméd,mín</i> (lux)	Fator de Uniformidade mínimo <i>U=Emín/Eméd</i>
V1	30	0,4
V2	20	0,3
V3	15	0,2
V4	10	0,2
V5	5	0,2

Fonte: NBR 5101, 2018.

Tabela 10 - Iluminância média mínima e uniformidade para cada classe de iluminação - Pedestres

Classe de Iluminação	Iluminância Média Mínima <i>Eméd,mín</i> (lux)	Fator de Uniformidade mínimo <i>U=Emín/Eméd</i>
P1	20	0,3
P2	10	0,25
P3	5	0,2
P4	3	0,2

Fonte: NBR 5101, 2018.

4.3.3 Definição das Classes de Iluminação das Vias do Município

O Plano Municipal de Mobilidade de Itanhaém, de 2015, além de não estar atualizado, não possui fonte de volumes diários de movimentação dos logradouros públicos.

Para consolidação dos dados, o Consórcio Vital em parceria com a PMI, elaborará tabela de fluxos diários de veículos e pedestres das vias municipais, a ser apresentada no Relatório de Estudos de Engenharia. Entretanto, para fins de diagnóstico, a consultoria propôs a classificação de iluminação das vias, conforme apresentado no Anexo 5.

Tais classificações, adotadas por logradouro, considerando, com algumas exceções, tem como base:

- Vias locais: V4 e P4;
- Vias Coletoras: V3 e P3;
- Vias arteriais: V2 e P2.

Observa-se a não classificação de vias V1 e V5. Vias de classe V1 tem características que se encaixam nas rodovias e vias urbanas de alta velocidade.

Quando essas rodovias adentram pelas cidades, em nível, mantém as características de V1 e as tarefas visuais correspondentes a esta classificação. Por outro lado, a PMI informou que as vias municipais não excedem o limite de 50 km/h, o que fortalece o diagnóstico de não adoção de classificação V1 para as vias do município. No caso de Itanhaém, as vias arteriais e coletoras se ajustam à classificação V2 e V3.

Com relação a pedestres, em áreas comerciais existem calçadões que admitem uma classificação P1 e algumas calçadas de vias principais atingem uma classificação P2.

A atribuição de classificação das vias locais como V4 e P4, e não V5, leva em conta fatores luminotécnicos de qualidade, além de evitar certo grau de frustração dos usuários das vias locais com os baixos níveis de iluminamento.

A classe de iluminância em V4 estabelece a média mínima de iluminância em 10 Lux ($E_{med,min}$), enquanto a classe V5 tem um resultado de $E_{med,min}$ de apenas 5 Lux com uniformidade de 0,2. Isso significa que poderá haver pontos na via ou nas calçadas com apenas 1 lux de iluminamento. Como exemplo, pode se considerar valores próximos a 1 lux a um iluminamento de Lua cheia.

Itanhaém, como toda cidade litorânea, tem uma sazonalidade. O Projeto de Engenharia deverá levar em conta este fator no momento da adoção dos níveis de iluminamento nas vias de veículos e pedestres, principalmente na orla da cidade.

A Tabela 11 demonstra a distribuição das vias, por quantidade de endereços do município, em função das classes de iluminação adotadas. O Anexo 5 a este Relatório detalha, por via, a classificação proposta.

Tabela 11 – Distribuição de Endereços das Vias por Classe de Iluminação

Classes de Iluminação	Quantidade de Vias	%
V2	40	2%
V3	20	1%
V4	2159	97%
Total Vias	2219	100%

Fonte: Prefeitura Municipal de Itanhaém.

4.3.4 Distribuição das Ações por Classificação Viárias e Demais Elementos

A distribuição das ações nas vias do município, seguindo as premissas adotadas no item 4.2.2.2, obteve como resultado uma visão ampla e diversa das situações envolvendo o parque de IP municipal.

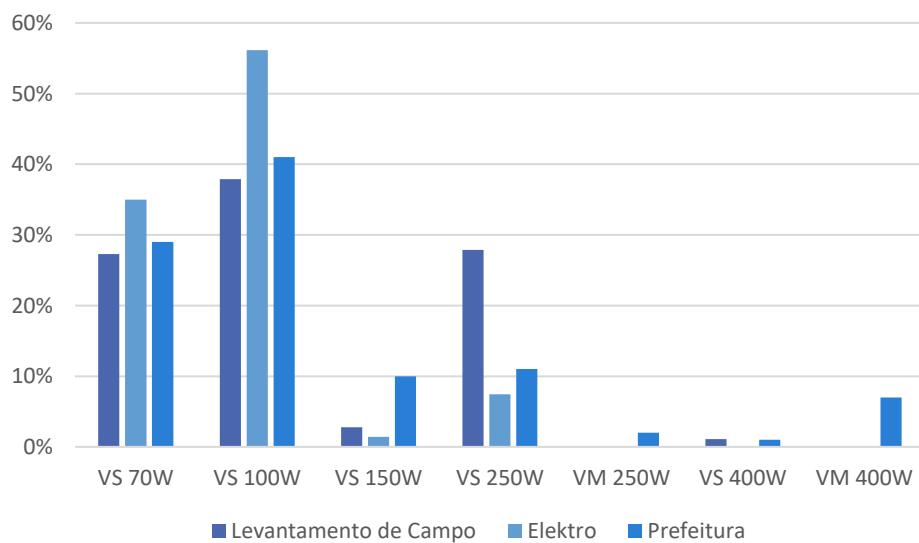
Além dos pontos selecionados, situações básicas destacadas como interseções, passagem em dois níveis, ponte municipal, calçadões, entre outros, foram contempladas nos levantamentos e deverão ser devidamente solucionadas no Projeto de Engenharia. Os resultados referentes à distribuição amostral resultam na Tabela 12.

Tabela 12 - Distribuição dos Pontos Levantados por Classe de Iluminação

Classificação	Quantidade de Pontos	%
V2	79	22%
V3	67	19%
V4	213	59%
Total Geral	352	100%

A distribuição das potências dos pontos levantados em campo, em comparação aos cadastros apresentados, é demonstrada pelo Gráfico 2.

Gráfico 2 – Comparaçao entre as potências Levantadas em Campo



5 ANÁLISE DA CONFIABILIDADE DAS INFORMAÇÕES DO CADASTRO DE IP

5.1.1 Metodologia Geral

Para verificação da confiabilidade e compreensão da real situação do Sistema de Iluminação Pública do município de Itanhaém, foram avaliados os seguintes dados:

- Caracterização da rede, a partir do cadastro existente (apresentado pela Elektro com 20.367 pontos), aplicando os parâmetros fixados pela norma ABNT NBR 5101/2012. Vale ressaltar que se considerado o cadastro com o levantamento de dados da prefeitura (26.972 pontos) a amostra não se altera, devido ao limite máximo estar em 35.000, conforme apresentado anteriormente na Figura 8;
- Análises de campo amostrais, conforme norma ABNT NBR 5426, para:
 - ✓ viabilizar o tamanho da amostra necessária para permitir a verificação do cadastro;
 - ✓ medir a parâmetros luminotécnicos (através do uso de luxímetro para verificar os níveis de luminância e uniformidade à norma);
 - ✓ avaliar o estado de conservação dos equipamentos e avaliar aderência das instalações às normas, como altura da luminária, espaçamento entre postes, largura das vias e equipamentos fora do padrão – seja por má conservação, baixo rendimento ou por obsolescência;
- Classificação de vias em Relação ao Código de Trânsito Brasileiro (arterial, coletora ou local);
- Classificação de Iluminação das vias (em conjunto com a PMI)
- Qualidade e aderência do cadastro fornecido;
- Análise do modelo operacional de manutenção e implantação, incluindo metodologia, equipamentos e normas internas;
- Parâmetros da rede de distribuição de energia para IP, bem como suas características técnicas, qualidade de fornecimento, avaliação da carga instalada na rede IP e o consumo médio de energia;
- Estimativa da vida útil remanescente para os equipamentos existentes;

- Verificação das áreas de iluminação de destaque: patrimônio histórico e cultural, praças, parques e outras áreas de interesse público;
- Análise de informações correlatas, como índices de acidentes de trânsito na cidade.

Com isso, o diagnóstico da situação atual, foi elaborado através de uma avaliação quantitativa e qualitativa do sistema de iluminação, da sua abrangência, deficiências, inadequações gerais (que permeiam todo ou quase todo o parque) e das inadequações pontuais, permitindo identificar o que precisa ser feito, quais as prioridades e quais as limitações existentes.

Além do cadastro, foram ponderados os planos e interesses da prefeitura para a cidade, com as seguintes avaliações:

- Avaliação dos projetos de expansão e modernização, demanda reprimida, crescimento orgânico, os quais terão seus percentuais apresentados no projeto luminotécnico, e seus impactos na iluminação pública;
- Avaliação dos interesses da prefeitura quanto à iluminação pública, incluindo áreas de interesse especial, prioridades e expansões;
- Mapeamento dos pontos e tipos de lâmpadas de Iluminação Pública enviado pela Prefeitura Municipal de Itanhaém (PMI), em 25/11/2021;
- Levantamento municipal dos pontos de IP para licitações, datando de janeiro de 2021;
- Mapa de Hierarquização Viária do Plano Diretor de Desenvolvimento Integrado do município de Itanhaém;
- Mapa de bairros com a localização dos estabelecimentos de serviços do município de Itanhaém;
- Plano Municipal de Mobilidade Urbana de Itanhaém.

Nos Estudos de Engenharia e Afins, serão projetadas e dimensionadas as possíveis soluções, quantificados os custos e analisados os respectivos benefícios.

Para a elaboração de todo o trabalho, será observado a norma ABNT NBR 5101/2018, além das normas cabíveis a cada análise específica.

5.1.2 Nível de Confiança do Cadastro de IP

Após a vistoria, foi possível analisar a aderência dos dados contidos no cadastro georreferenciados pela Distribuidora e coletados em campo, através das medições realizadas (Tabela 13).

Tabela 13 – Aderência do Cadastro	
Dado do Cadastro	%
Potência	99%
Tipo de Lâmpada	99%
Localização Geográfica	100%

Fonte: Elaboração Consórcio Vital, 2022

Todos os pontos planejados pelo cadastro georreferenciado para o levantamento foram encontrados em campo, resultando em 100% de aderência do cadastro da Elektro. Os estudos também avaliaram os pontos de rede dedicada à IP, a partir do levantamento da PMI.

Em relação a potência e tipos de lâmpadas, apenas pontos excepcionais foram encontrados fora do demonstrado no cadastro. Acredita-se aqui que este fato possa ser devido à alguma manobra de operação e manutenção com materiais que estivessem em falta em dado momento.

A Figura 14 à Figura 21 demonstram algumas situações encontradas pelas equipes durante o trabalho de campo.

Figura 14 - Equipe realizando levantamento na Rua Gonçalo Monteiro, Cibratel II



Figura 15 - Equipe realizando levantamento na Rua Flárides Ferreira, Gaivota Praia



Figura 16 - Falha na luminária de LED, à direita, Praia do Sonho



Figura 17 - Situação de heterogeneidade dos tipos de lâmpadas convencionais, Centro



Figura 18 - Rua João Mariano Ferreira com pontos duplos nas duas calçadas da via, Centro



Figura 19 - Entrada da Cidade, Av. Jaime de Castro, Centro



Figura 20 - À direita, luminárias duplas de LED na orla do Centro



Figura 21 - Pontos duplos no acesso à Praia, Rua Cunha Moreira, Centro



5.2 Iluminação de Destaque

A iluminação de destaque será implantada em áreas de interesse que demandam iluminação especial, como áreas de patrimônio histórico e cultural, espaços públicos, parques e outros espaços similares, conforme abordado no TR.

A PMI foi entrevistada e o mapeamento das áreas se deu conforme apresentado

5.2.1 Mapeamento das Áreas de Interesse

Conforme apresentado pela PMI, as áreas de interesse em questão foram apontadas pelas Secretarias responsáveis pelo tema, conforme:

- Indicações Departamento de Cultura:
 - Museu Conceição de Itanhaém;
 - Igreja Matriz de Sant'Anna;
 - Convento Nossa Senhora da Conceição;
 - Passarela de Anchieta;
 - Paço Municipal;
 - Ponte Sertório Domiciano da Silva.
- Indicações da Secretaria de Turismo:
 - Principais praças como:
 - Praça Narciso de Andrade;
 - Praça Carlos Botelho;
 - Praça Nossa Senhora do Sion;
 - Praça Ângelo Guerra;
 - Praça Vitória;
 - Praça da Gruta Nossa Senhora de Lourdes
 - Praça Benedicto Calixto;

As figuras a seguir ilustram alguns dos lugares visitados pela equipe para levantamento e conhecimento local.

Figura 22 – Entrada da Passarela de Anchieta e Gruta de Nossa Senhora



Figura 23 – Ponte Sertório Domiciano da Silva, Centro

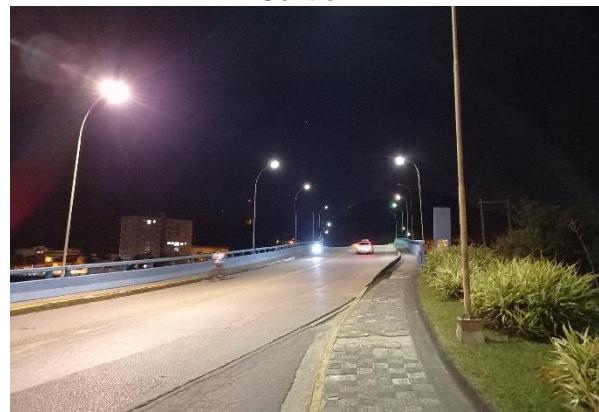


Figura 24 – Praça Carlos Botelho, Centro



Figura 25 – Casa da Câmara e Cadeia, Centro



Figura 26 – Paço Municipal, Centro



Figura 27 – Igreja da Matriz e Praça Narciso de Andrade, Centro



5.2.2 Critérios de Priorização das Áreas

Conforme estabelecido no Termo de Referência do presente contrato, os projetos a serem desenvolvidos para Iluminação de Destaque necessitam de classificação para escolha de cinco projetos conceituais.

A decisão da PMI apresentada a seguir, com apoio técnico da CAIXA e da equipe do Consórcio Vital, foi tomada de forma a destacar os principais pontos turísticos e culturais do Município, em contato direto com suas respectivas Secretarias.

As premissas para a escolha dos cinco locais foram:

- Áreas de atrativo público/turístico;
- Locais contemplados com monumentos ou construções de interesse arquitetônico, histórico ou social.

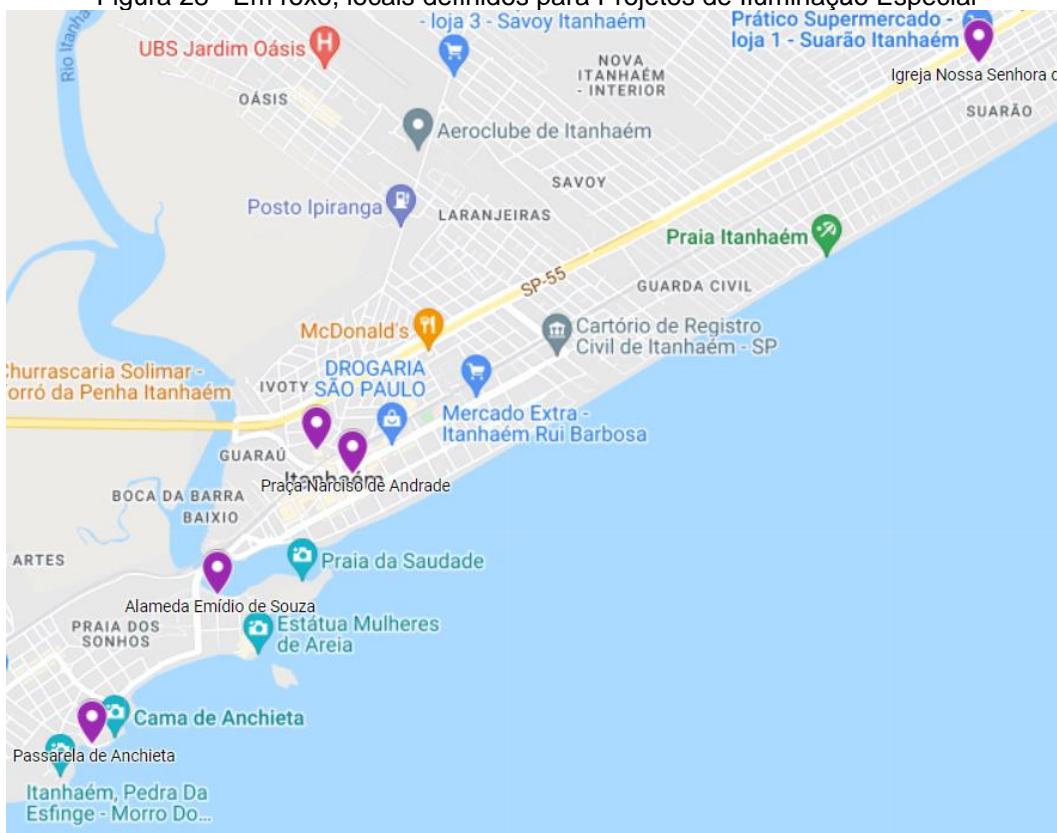
5.2.3 Validação das Áreas de Interesse Final

Foram definidos os seguintes locais para o desenvolvimento dos projetos conceituais de Iluminação de Destaque:

- Convento Nossa Senhora da Conceição;
- Praça Narciso de Andrade (conjunto arquitetônico com Igreja da Matriz de Sant'Anna e Museu Conceição de Itanhaém);
- Praça Nossa Senhora do Sion e Igreja Nossa Senhora do Sion;
- Alameda Emídio de Souza;
- Passarela de Anchieta

Os locais definidos encontram-se mapeados na Figura 28.

Figura 28 - Em roxo, locais definidos para Projetos de Iluminação Especial



5.3 Áreas com Deficiências de Cobertura

As áreas mais isoladas do centro urbano, como áreas de sítios ou de novos loteamentos, são as vias com maiores índices de deficiência de IP no município.

Segundo a PMI, foram apontados os seguintes locais que apresentam esse quadro:

- Estrada do Rio Preto;
- Jardim Coronel;
- Bairro Gaivota.

5.4 Demanda Reprimida

Considera-se que não há demanda reprimida, ou seja, que as áreas mapeadas com potencial deficiência de cobertura – vias urbanizadas que deveriam ter presença de IP –, além dos locais apontados pela prefeitura, já estão atendidas e incluídas no quantitativo de pontos apresentado pela prefeitura e no contrato de expansão em curso.

Para mapear as áreas com potencial deficiência de cobertura, utilizou-se o cadastro georreferenciado como base. As vias “vazias” de pontos foram levantadas e plotadas sobre imagens da mancha urbana existente. Para estimativa do quantitativo de pontos foram adotadas as seguintes etapas e premissas:

- Implantação de postes a cada 33,00 metros (distância média na cidade obtida em campo);
- Soma das distâncias medidas dos trechos urbanizados “vazios” de pontos do cadastro;
- Divisão da distância dos trechos por 33,00 metros, obtendo-se a estimativa de demanda reprimida local.

A metodologia utilizada é apresentada nas Figura 29 e Figura 30.

Figura 29 - Visão global dos trechos mapeados. Em vermelho, trechos urbanizados “vazios”



Figura 30 - Exemplo de “vazios” no cadastro em trechos urbanizados. Em preto os pontos do cadastro e em vermelho os trechos “vazios”



O resultado das somas dos trechos mapeados está apresentado na Tabela 14.

Bairro e Entorno	Somatório dos Trechos	Quantidade Estimada
Gaivota	30.246	917
Cibratel	20.216	613
Jardim Oásis	3.436	105
Aguapeú	8.695	264
Loty	1.792	55
TOTAL	64.385	1.954

5.4.1 Considerações Sobre Divergências Entre Cadastros

O cadastro de base para o mapeamento utilizado (Distribuidora Elektro) diverge do cadastro apresentado pela PMI, pois apresenta aproximadamente 6.500 pontos a menos. Essa diferença não está georreferenciada e, portanto, não pôde ser lançada sobre o mapa da cidade.

A estimativa de potencial demanda reprimida apresentada na Tabela 14 no entender desta consultoria, foi contemplada em ações de implantação pelo município como o contrato com a Empresa Somar em vigor e estão incluídos na diferença de

6.500 pontos juntamente a outros pontos existentes observados e que não estão aderentes ao cadastro da Elektro.

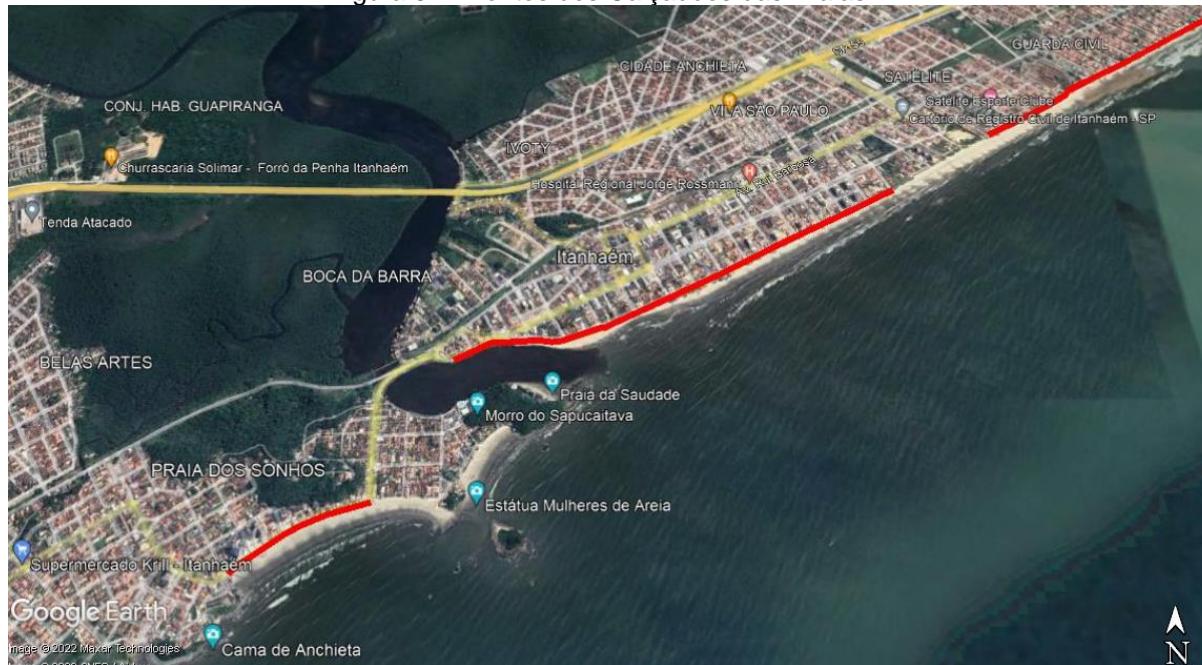
5.4.2 Identificação de Pontos de IP Não Aderentes ao Cadastro

Além dos pontos potenciais de demanda reprimida julgados supridos, há novos pontos em implantação através do contrato municipal de supressão de hiatos (cerca de 1000 no contrato da Somar) e grande quantidade de pontos observados na visita técnica e apresentados a seguir.

5.4.2.1 Calçadões das Praias

Durante o período de levantamento de campo, foi evidenciado que os calçadões das praias do Centro e do Sonho possuem um número expressivo de pontos não constantes no cadastro da Elektro. As extensões dessas implantações se apresentam na Figura 31 e seus pontos indicados na Figura 32.

Figura 31 - Pontos dos Calçadões das Praias



Totalizando aproximadamente 3.800 metros, com espaçamento de 15 metros médios, o total estimado é de 500 pontos.

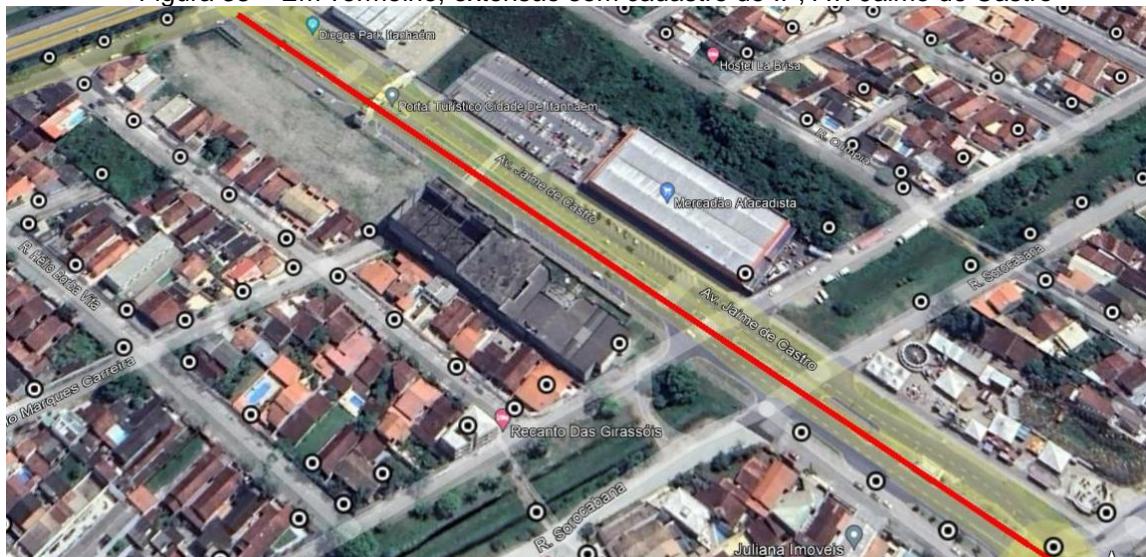
Figura 32 - Pontos do Calçadão da Praia no Centro



5.4.2.2 Vias Principais e Locais

Algumas vias importantes, como a Av. Jayme de Castro, também apresentam pontos de iluminação com carga instalada elevada, mas não existentes no cadastro da Elektro.

Figura 33 – Em vermelho, extensão sem cadastro de IP, Av. Jaime de Castro



A Figura 33 demonstra a situação de cadastro da Elektro, com os pontos localizados nas calçadas. A Figura 34 demonstra a existência de 4 pontos por poste (400 W) no canteiro central.

Figura 34 - Situação de 4 pontos por poste na Av. Jaime de Castro



Com uma extensão de 450 metros, distanciamento de 25 metros por poste, são estimados 75 pontos apenas nesse trecho.

5.4.2.3 Praças e Iluminações de Destaque

Também não estão apresentados no cadastro georreferenciado da Elektro os pontos de praças e de iluminações de destaque. Tais quantidades representam consumo e quantitativos representativos do parque. Exemplificado na Figura 35 , tais locais concentram pontos de IP com altas potências e quantidades consideráveis.

Figura 35 - Praça na Av. Flácides Ferreiras.



5.4.3 Conclusões

Essencialmente, considera-se que os pontos não identificados no cadastro estão contidos nos seguintes grupos:

- Vias locais de expansão e correção da rede (potencial deficiência de cobertura já atendida, pois já se encontram urbanizadas);
- Implantação de IP em calçadões das praias;
- Avenidas com duplicidade de pontos;
- Praças e iluminações de destaque;

Vias com rede dedicada à Iluminação Pública municipal com consumo registrado diretamente.

Conforme descrito anteriormente, considera-se que as informações são suficientes para elaboração do projeto de engenharia, e que os dados indicam que a demanda potencialmente reprimida foi atendida ou está em fase final de conclusão no contrato da Somar, sugerindo uma “não existência” de demanda reprimida no cenário atual. Caso a Elektro venha a apresentar o cadastro atualizado, será possível confirmar o exposto acima plotando-se o novo cadastro nas vias “vazias”, bem como o Projeto de

Engenharia deverá contemplar um cenário para suprir eventual demanda reprimida futura ou crescimento vegetativo do Município.

Caso não haja envio do cadastro atualizado, o Projeto de Engenharia deverá apresentar metodologia para apresentar um quantitativo de demanda reprimida estimada.

5.5 Mapeamento de Projetos de Expansão/Modernização

5.5.1 Mapeamento de Projetos de IP em LED

Os projetos desenvolvidos de IP em LED pela Secretaria de Serviços e Urbanização fazem parte do escopo dos contratos de terceirização (item 6.3).

Segundo a Prefeitura, os projetos executados até o fechamento desse relatório estão resumidos na Tabela 15 a seguir:

Tabela 15 – Projetos em LED executados			
Projeto	Unidades de Pontos LED	Potência	Tempo de Garantia das Luminárias
Orla dos Sonhos	80	50w	24 meses
Passarela 1	10	100w	24 meses
Passarela 3	7	100w	24 meses
Praça da Gaivota	40	120w	24 meses
	26	100w	24 meses
Orla das Gaivotas	180	50w	60 meses
Av. Jaime de Castro	36	100w	60 meses
Praça Suarão	20	180w	60 meses
Praça Oásis	8	200w	60 meses
Avenida Marginal	11	200w	60 meses
Praça Guapiranga	13	200w	60 meses

Fonte: Prefeitura Municipal de Itanhaém, 2022

Ressalta-se que tais projetos possuem rede dedicada a Iluminação Pública e foram executados pelo contrato de manutenção e operação com a empresa RT Energia, dados este apresentados de forma mais detalhada no item 6.3.2.

5.6 Plano Diretor de Iluminação Pública

Não foi identificado Plano Diretor de Iluminação Pública, assim como o planejamento de sua elaboração.

5.7 Recursos Federais/Estaduais de Implantação/Modernização

5.7.1 PROCEL/RELUZ

Em outubro de 2021, a Eletrobrás tornou pública a chamada Pública Procel Reluz nº 01/2021, com resultados ainda preliminares de seleção e classificação de Projetos de Iluminação Pública. A Prefeitura Municipal de Itanhaém concorreu a chamada pública, obtendo habilitação e classificação do projeto. Até o fechamento deste relatório, o status do projeto contemplando o município de Itanhaém era de “Aprovado em Cadastro de Reserva”, tendo ficado na 5^a posição da classificação regional por modelo e na 17^a posição da classificação regional geral, com projeto de 701 pontos de iluminação de tecnologia LED.

5.8 Existência de Passivos

Não foram identificados passivos operacionais, ambientais ou de qualquer outra ordem que impactem o projeto.

5.9 Existência de Termo de Ajustamento de Conduta (TAC)

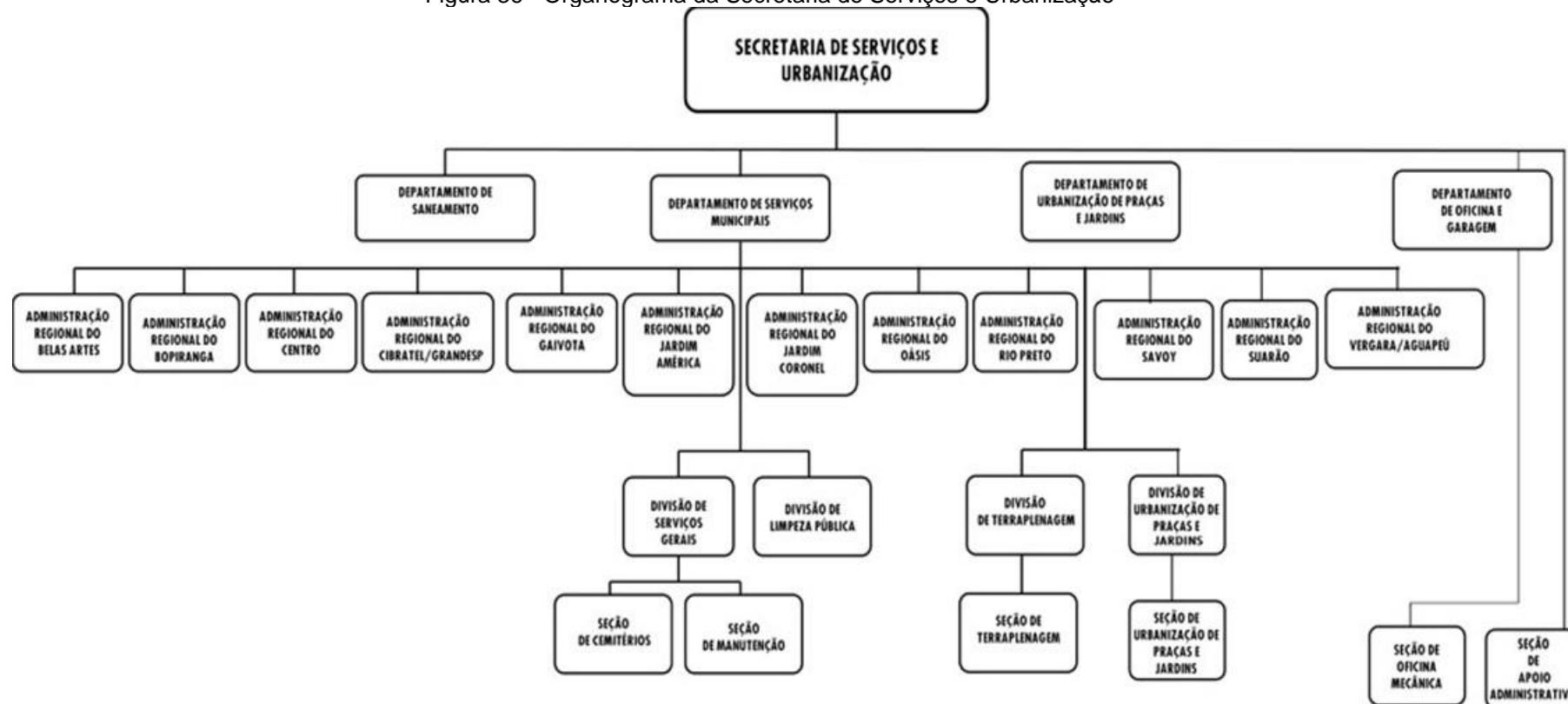
Não foi identificada a existência de TAC em relação a IP no Município.

6 ANÁLISE DO MODELO ATUAL DE OPERAÇÃO E MANUTENÇÃO

6.1 Gestão, Operação e Manutenção do Parque de IP

A Secretaria Municipal de Serviços e Urbanização é a responsável pela gestão do parque de IP da cidade e, segundo a definição em seu sítio na internet, “À Secretaria compete planejar, acompanhar, controlar e desenvolver as atividades inerentes à construção e conservação de obras, vias e logradouros públicos”, o que compreende a Iluminação Pública das vias urbanas e rurais municipais. A Figura 36 ilustra a organização interna da Secretaria.

Figura 36 - Organograma da Secretaria de Serviços e Urbanização



Fonte: Página da Prefeitura de Itanhaém

Terceirizados pelos contratos apresentados no item 6.3, os serviços de manutenção, operação, expansão e demais, foram repassados ao serviço privado de forma a tornar mais eficiente a gestão de IP. Hoje as principais funções da Secretaria de Serviços e Urbanização, na área de IP, são de gestão e fiscalização dos contratos vigentes.

6.2 Acordo Operativo com Distribuidora de Energia

Firmado o Instrumento de Cessão de Ativos e Assunção dos Ônus de IP entre o Município e a Distribuidora de energia Elektro, a partir do dia 01/01/2015 foi efetivada a transferência de ativos de IP à PMI. Desta forma, os ativos – antes propriedades da Distribuidora – passaram a ser de responsabilidade da PMI (operação, manutenção e expansão do parque), com tarifação B4a de consumo de energia. Assim, foi atendido o previsto na Resolução Normativa nº 1000/2021, da ANEEL.

Segundo o acordo operativo assinado, o município tem medição direta em aproximadamente 139 medidores e estimativa de consumo em pontos novos e outros logradouros, sendo, assim, uma forma híbrida de faturamento do consumo.

6.3 Serviços de Fornecimento, Instalação de Ativos e Modelo Operacional do Município

6.3.1 Resumo dos Contratos

Abrangendo as áreas de operação, manutenção, modernização, correção e expansão do SIP municipal, os contratos de terceirizações são a totalidade desses custos, representando o CAPEX e OPEX atual. Em 2021, os gastos com manutenção e investimentos alcançaram R\$ 1,99 milhão, conforme detalhado no Relatório de Diagnóstico da Situação Fiscal.

Tais contratos precisam estar ligados com o projeto de Engenharia e demais áreas pelo seu escopo e pelo seu cronograma de contrato. Já detalhados, os contratos preveem modernizações e expansões que serão devidamente levados em consideração no Projeto de Engenharia. Da mesma forma, as datas envolvidas nos contratos (assinatura, ordem de início etc.) foram inseridas para avaliação dos riscos no horizonte de implantação da presente modelagem de PPP. A Tabela 16 representa o resumo das informações coletadas pela PMI.

Tabela 16 - Resumo dos Contratos de Terceirizações		
Escopo	Execução de serviços de gestão em iluminação pública, corretiva e preventiva, ampliação, melhorias, modernização, eficientização, bem como a implantação da central de controle operacional e telegestão do parque de IP do município	Instalação de pontos luminosos e extensão de rede secundária para ligação de luminárias em hiato
Valor do Contrato	R\$ 3.389.574,00	R\$ 867,400,00
Assinatura do Contrato	25/02/2021	20/12/2019
Ordem de Serviço	02/03/2021	30/01/2020
Suspensão do Contrato	-	15/04/2020
Fim da Suspensão de Contrato	-	01/06/2020
Fim da Ordem de Serviço	02/03/2022	01/06/2021
Fim da Vigência	02/03/2022	01/06/2021
Aditamento de Contrato	Em processo	Em processo

Fonte: Contratos Nº 28/2021 e Nº 311/2019, Prefeitura Municipal de Itanhaém

6.3.2 RT Energia

A empresa RT Energia foi a vencedora do processo de concorrência pública nº 03/2020, objetivando a “execução de serviços de gestão em iluminação pública, corretiva e preventiva, ampliação, melhorias, modernização, eficientização, bem como a implantação da central de controle operacional e telegestão do parque de IP do município”. O contrato de nº 28/2021 foi assinado pelas partes em 25/02/2021, com prazo de vigência de 12 meses, contados a partir da ordem de serviço (02/03/2021).

O preço total dos serviços contratados é de 3.389.574,00 (três milhões, trezentos e oitenta e nove mil, quinhentos e setenta e quatro Reais), com escopo objetivando a terceirização dos serviços de operação e manutenção do SIP, além do cadastramento, implantação de telegestão e eficientização.

De acordo com o contrato em vigor, a empresa deverá garantir os serviços para manter o desempenho da função de IP para que se opere em condições normais, com padronização e segurança. Dentre os pontos mais relevantes do termo de referência em destaque, é citado:

- Serviços de ronda em todo o parque com periodicidade de 30 dias;
- Serviços de pronto atendimento em regime de 24 horas, 7 dias por semana;
- Podas de árvores que interfiram nos pontos de IP;
- Elaboração do cadastro detalhado de todos os pontos de IP do Município.

Em relação ao atendimento a Tabela 17 demonstra os tempos de respostas às solicitações da PMI a serem executadas pela contratada.

Tabela 17 – Tempos de Respostas de Serviços

Tipo de Falha	Tempo de Resposta	Definição
Ultra Grave	Imediata, máximo 24 horas	<p>Estão incluídos neste caso os atendimentos a pontos concentrantes de Unidades de IP (UIP) onde, em função da falha de um ou mais componentes do SIP, se tenha um grupo superior a 4 UIP apagadas sequencialmente em uma mesma avenida, rua ou beco ou em praças, viadutos, campos de futebol, quadras e cruzamentos de alta complexidade de trânsito, onde tenha mais de 04 UIP apagadas.</p> <p>As situações de que impactem em risco de acidentes também devem ser enquadradas nesta categoria.</p> <p><u>90% (noventa por cento) dos chamados devem ser atendidos em 24 horas.</u></p>
Grave	Atuação em 48 horas	<p>Estão incluídos neste caso os atendimentos de correção de falhas em luminárias viárias dos principais corredores do Município de Itanhaém, monumentos públicos, pontos de ônibus, faixa de pedestres e principais cruzamentos, com número inferior a 04 luminárias/projetores com falhas de operação noturna.</p> <p><u>90% (noventa por cento) dos chamados devem ser atendidos em 48 horas.</u></p>
Semi-grave	Atuação em 48 horas	<p>Estão incluídos neste caso os demais atendimentos de correção de falhas no período diurno/noturno de UIP.</p> <p><u>90% (noventa por cento) dos chamados devem ser atendidos em 48 horas.</u></p>

Além da manutenção dos pontos de lâmpadas convencionais, a empresa realizou projetos de implantação e substituição para luminárias em LED.

Também é prevista implantação do sistema de telegestão e o Centro de Comando Operacional, possibilitando comando remoto e melhor eficiência na gestão do parque, e a implantação de sistema de dimerização do SIP.

Os municípios hoje têm à disposição um canal de comunicação via telefone (0800), por aplicativo e por página da internet (<https://itanhaem.notificacao.gestoriluminacaopublica.com.br/>), para manifestações a respeito do SIP. Tais ferramentas são advindas do contrato em vigor.

Com um sistema gestão de IP defasado em relação as tecnologias atuais, a maior parte do parque possui acendimento das lâmpadas pela ativação de células fotoelétricas, que, sem a manutenção devida, apresentam falhas. Sendo que a implantação de dimerização do sistema poderá apresentar ganhos ainda maiores na redução do consumo de energia elétrica.

6.3.3 Somar Engenharia

A empresa Somar Engenharia venceu o processo municipal de Tomada de Preços de nº 11/2019, objetivando a “instalação de pontos luminosos e extensão de rede secundária para ligação de luminárias em hiato”. O contrato de nº 311/2019, foi assinado no dia 20/12/2019, com prazo de execução de 12 meses, contados a partir da ordem de serviço (30/01/2020), com paralisação entre os dias 15/04/2020 e 01/06/2020. O contrato está em processo de aditamento de prazo.

O escopo do contrato consiste na implantação de 1000 pontos de IP, com preço total dos serviços de R\$ 867,400,00 (oitocentos e sessenta e sete mil e quatrocentos Reais).

Dessas 1.000 unidades contratadas, 700 constituem correção de pontos escuros e 300 pontos são com expansão de rede de energia (rede dedicada). O escopo do contrato prevê lâmpadas convencionais de descarga em alta pressão, nas potências de 70W, 100W e 150W.

Até o fechamento do presente Relatório, foram executadas as instalações de 383 pontos. A previsão para os próximos meses é a execução de 50 a 70 pontos por mês.

6.3.4 Avaliação dos projetos em andamento de expansão e modernização

Os dois contratos não representam grandes investimentos em modernização e expansão do parque. A modernização realizada pela RT alcançará cerca de 2% do cadastro da prefeitura, mesmo considerando o quantitativo planejado e apresentado a seguir. Já a correção de pontos escuros e expansão a cargo da Somar desde 2019,

realizou-se menos de 1,5% dos cerca de 4% (total de 1.000 pontos), dos pontos do cadastro da prefeitura, previstos em seu contrato.

7 ANÁLISE DO PARQUE DE ILUMINAÇÃO PÚBLICA

7.1 Projeção para Projetos de Expansão, em Andamento e Necessidades

Os projetos em torno de Iluminação Pública, planejados para cidade de Itanhaém, consistem no escopo dos contratos de terceirizações citados. Para a expansão e correção dos pontos em desacordo com a norma NBR 5101, um contrato específico é previsto com implantação de 50 a 70 pontos mês (item 6.3.3), restando dimensionar se tal crescimento é suficiente para atender, além das execuções previstas, o crescimento vegetativo da cidade. Tal estudo será efetuado junto ao Projeto de Engenharia.

As necessidades apresentadas (item 5.3) pela PMI também devem ser fruto de atenção, pois as áreas com deficiência de pontos de IP devem ser solucionadas para atender a parcela da população que utiliza essas vias.

A Tabela 18 a seguir demonstra o planejamento de instalação de pontos de tecnologia LED. A implantação desses pontos se dará pelo contrato com a RT Energia.

Tabela 18 – Projetos em LED Planejados

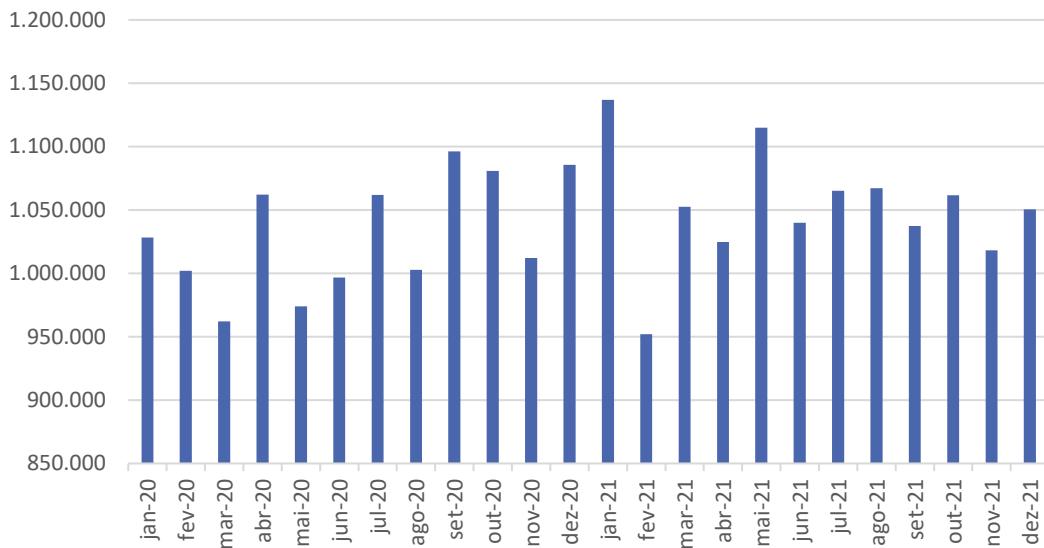
Projeto	Unidades de Pontos LED	Potência	Garantia das Luminárias
Av. José Batista Campos e estrada Coronel Joaquim Branco	9	100w	60 meses
	35	180w	60 meses
	56	180w	60 meses
Avenida Gentil Peres	45	180w	60 meses
Praça do Pescado	9	200w	60 meses
Praça 22 de Abril (Sr. Espetto)	2	100w	60 meses
	7	150w	60 meses

Fonte: Compêndio de Execução/Aguardando Execução, PMI, janeiro de 2022

7.2 Carga Instalada e Consumo Médio Atuais

A PMI forneceu as contas de luz de IP dos meses de janeiro de 2020 a dezembro de 2021, representadas pelo Gráfico 3.

Gráfico 3 - Consumo de Energia Elétrica em IP (kWh)



Fonte: Elaboração Consórcio Vital, dados fornecidos pela PMI.

Para os meses apresentados, o consumo de IP no município de Itanhaém foi de, em média, 1,04 GWh por mês.

7.2.1 Aderência do Consumo com Cadastros

Para verificação da aderência do cadastro apresentado pela PMI, em comparação com o Cadastro da Elektro, foram elaborados cálculos estimativos dos consumos de energia, tendo por base:

- Estimativa de tempo de consumo: 11:27 (11,45)² horas/dia;
- Média de aproximadamente 100 watts por lâmpada;
- 30 dias por mês.

Chegou-se, então, ao cálculo tendo como base o Cadastro da Distribuidora Elektro:

$$11,45 \text{ h} \times 100\text{w} \times 20.365 \text{ pontos} \times 30 \text{ dias} = 699.537.750 \text{ Wh/Mês}$$

² Resolução Homologatória Nº 2.590, DE 13 de Agosto de 2019, ANEEL

Como consequência, o cadastro da distribuidora Elektro (20.365 pontos) apresenta um total mensal de aproximadamente 0,70 GWh, valor muito inferior ao consumo médio mensal faturado de IP municipal (1,04 GW).

O quantitativo de pontos apresentado pela PMI (26.972), que inclui a rede dedicada, aproxima-se do consumo médio de 0,93 GWh/mês, valor próximo ao valor médio observado nas faturas, demonstrado a partir da fórmula:

$$11,45 \text{ h} \times 100\text{w} \times 26.792 \text{ pontos} \times 30 \text{ dias} = 926.488.200 \text{ Wh/Mês}$$

É preciso levar em consideração que, com medições de forma híbrida – direta e por estimativa –, haverá sempre flutuações de seus valores (lâmpadas acesas durante o dia e/ou pagadas durante a noite, falta de medição em dado mês etc.).

O objetivo dos estudos do presente Relatório é subsidiar os valores necessários para o desenvolvimento de projeto em nível de anteprojeto. Para efeito de verificação da economia de energia do novo projeto em relação ao parque atual será utilizado o consumo real apresentado nas faturas, pois referem-se ao que é efetivamente pago pela prefeitura atualmente.

O Anexo 6 deste relatório traz a tabela com as Unidades de Consumo de IP com seus respectivos endereços.

7.3 Avaliação do Parque de Iluminação Pública

7.3.1 Análise Geral da Qualidade do Parque

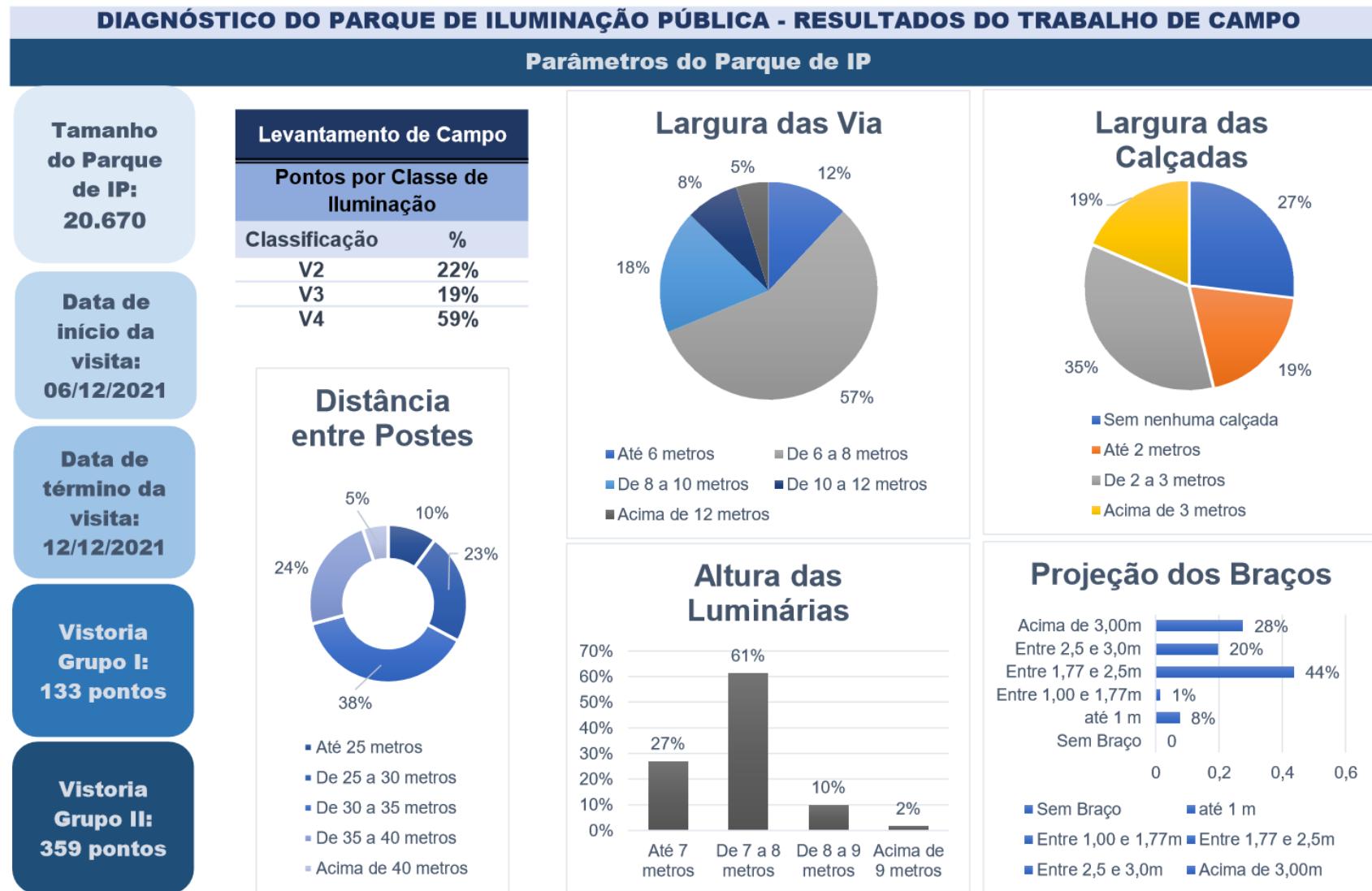
Em rondas diurnas e noturnas durante o levantamento de campo, através de avaliações técnicas-visuais, a equipe técnica observou uma série de inadequações do parque, citadas a seguir:

- Lâmpadas acesas durante o dia;
- Lâmpada apagada durante a noite;
- Difusor sujo;
- Difusor quebrado;
- Difusor amarelado;
- Sem difusor;
- Braço quebrado/torto;

- Falta da lâmpada;
- Lâmpada intermitente (piscando);
- Luminária quebrada;
- Luminária sem fixação adequada (pendurada);
- Luminária aberta (luminária instalada em local onde as outras luminárias são fechadas);
- Trechos sem iluminação;
- Postes abalroados.

O resumo gerencial apresentado no item 7.3.2 traz o resumo de todos os dados levantados no trabalho de campo.

7.3.2 Resumo das Amostras



7.3.3 Grupo 1: Iluminância

Segundo a norma NBR 5101:2018, item 5.1.2 – Requisitos de Iluminância e Uniformidade, as recomendações utilizadas para vias de veículos e pedestres são os parâmetros utilizados no estudo para verificação de atendimentos. São esses:

- $E_{\text{méd}}$: Iluminância média dos pontos coletados e calculados na malha ;
- $E_{\text{Mín}}$: Iluminância mínima da malha;
- Uniformidade: Razão entre a iluminância mínima e média, representada por:

$$U = E_{\text{Mín}} / E_{\text{Méd}}$$

Em comparação ao exposto no item 4.2.1, os levantamentos de campo apontaram que a porcentagem de atendimento dos fatores de Iluminância Média ($E_{\text{Méd}}$) e Uniformidade (U), de acordo com sua classe de iluminação, estão significativamente em desacordo com a Norma NBR 5101:2018. Estes dados estão apresentados na Tabela 19.

Tabela 19 – Porcentagens de Atendimento à Norma – Vias			
Classe de Iluminação	Iluminância Média Mínima (E_{Med})	Uniformidade (U)	Atendimento Pleno (U e E_{Med})
V2	33%	33%	19%
V3	24%	47%	12%
V4	25%	44%	13%

Fonte: Elaboração Consórcio Vital

Da mesma forma, os levantamentos de campo demonstraram que grande parte das vias de pedestres dos logradouros não estão de acordo com a NBR 5101. Os dados estão explicitados na Tabela 20.

Tabela 20 – Porcentagens de Atendimento à Norma - Calçadas			
Classe de Iluminação	Iluminância Média Mínima (E_{Med})	Uniformidade (U)	Atendimento Pleno (U e E_{Med})
P2	54%	38%	31%
P3	55%	52%	24%
P4	65%	38%	23%

Fonte: Elaboração Consórcio Vital

O Anexo 2 do presente Relatório detalha os pontos levantados na parte de Iluminância.

7.3.4 Grupo 2: Estrutural

De maneira geral, foi observado, que o SIP do município possui distribuição estrutural dos ativos de forma regular em relação às classes viárias existentes. Por consequência, as distribuições entre classes de iluminação também têm tendência de distribuição regular.

A Tabela 21 mostra os valores típicos encontrados nos dados levantados. Tais valores subsidiarão as alternativas para soluções no projeto de engenharia a ser elaborado.

Tabela 21 – Valores Típicos por Classe Viária				
Classe de Iluminação	Largura da Via	Espaçamento entre Pontos	Altura de Montagem	Comprimento dos Braços
V2	7,61	30,69	7,35	3,30
V3	9,15	32,72	7,70	2,60
V4	7,65	31,61	7,23	2,50

Fonte: Elaboração Consórcio Vital

O Gráfico 4 ao Gráfico 8 demonstram a distribuição percentual dos parâmetros estruturais levantados em relação às respectivas classes de iluminação. Nota-se que existe relação de distribuição dos dados levantados com grande relação de proporções de dados concentrados em certos intervalos, independentemente de sua classificação.

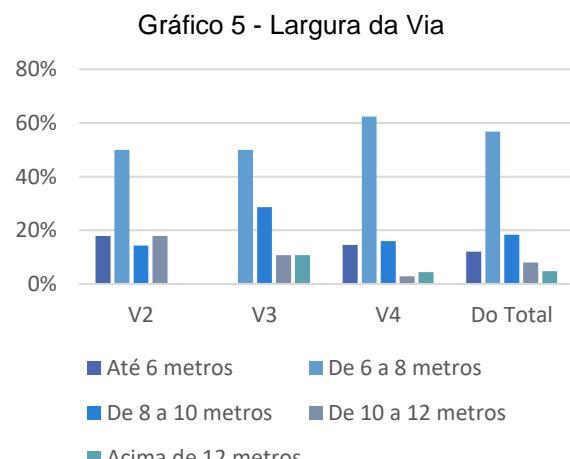
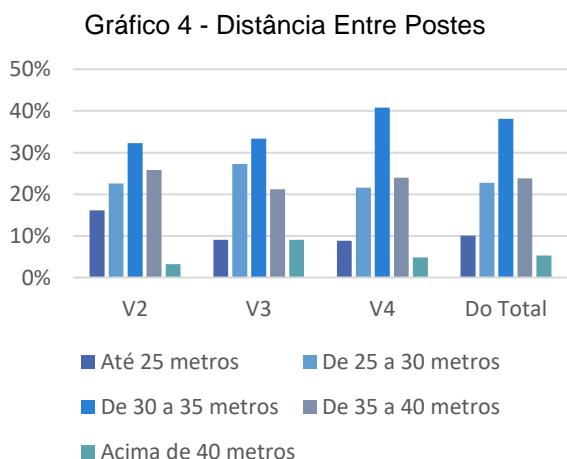


Gráfico 6 - Largura da Calçada

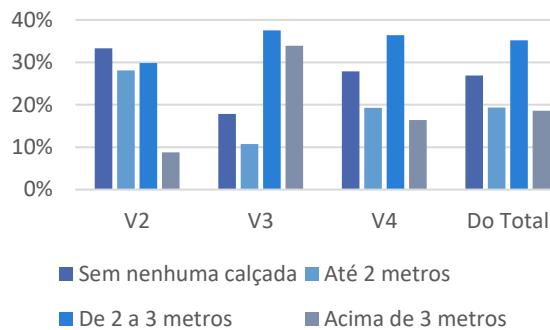


Gráfico 7 - Altura das Luminárias

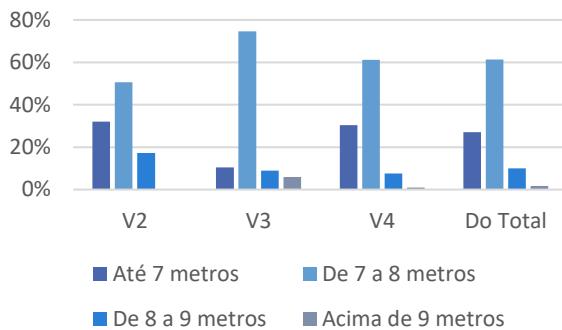
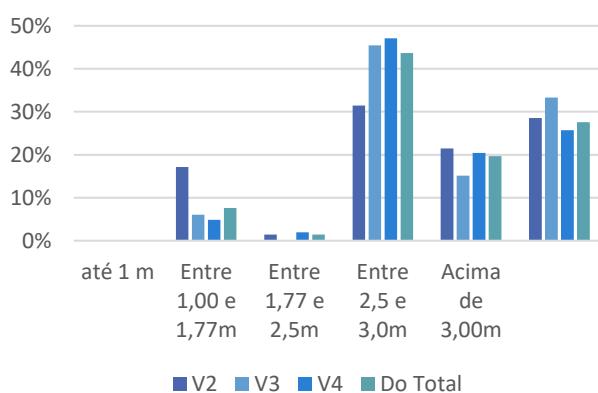


Gráfico 8 - Projeção dos Braços



As calçadas das vias estudadas encontram sua distribuição conforme Tabela 22:

Tabela 22 - Distribuição das Vias de Pedestres por Classe de Iluminação

Classes de Iluminação	Largura Média
P2	2,59
P3	3,90
P4	2,93

Fonte: Prefeitura Municipal de Itanhaém.

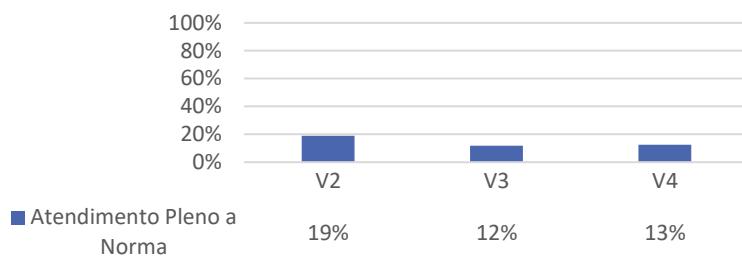
O Anexo 3 desse Relatório traz a tabela de resultados obtidos através dos levantamentos realizados em campo para o Grupo 2 – Estrutural.

7.3.5 Avaliação dos Resultados

As vistorias demonstram que, das vias levantadas do município de Itanhaém atendem à norma NBR 5101:2018 uma porcentagem muito baixa. Em muitos casos, mesmo com altas taxas de Iluminância Média (E_{med}) em relação à sua classe de

iluminação – Av. Jayme de Castro, Rua Alameda Júnior, Rua João Mariano Ferreira – a uniformidade requerida não foi atingida. Os baixos índices de atendimento a norma são expostos no Gráfico 9.

Gráfico 9 - Porcentagens de Atendimento Pleno à Norma por Classe de Iluminação



As altas porcentagens de valores em desacordo com a norma evidenciam as situações estruturais desfavoráveis do parque de IP. Tais características podem ser resumidas em:

- Vias e calçadas com larguras significativas:
 - Menos de 15% das vias menores que 6,00 metros de largura;
 - Mais de 50% das calçadas são maiores que 2,00 metros;
- Locação dos pontos nos postes da Elektro distantes da via;
- Fluxo luminoso inapropriado aos espaçamentos e alturas de montagens.

Evidenciando a questão das larguras das vias e calçadas, observa-se que os comprimentos dos braços nas vias são em mais de 90% dos casos maiores que o padrão de 1,77 metros. Esse comprimento é necessário para haver distribuição luminosa nos vãos transversais.

O projeto de Engenharia deverá trazer soluções para modernização, adequação estrutural, eficientização, correção de pontos escuros, aplicação de Telegestão.

As soluções a serem apresentadas, com base no presente Relatório de Diagnóstico Técnico e Operacional, terão os seguintes vetores de dimensionamentos quantitativos:

- **Modernização:** Substituição do parque de tecnologia convencional por tecnologia LED;
- **Expansão:** Crescimento vegetativo do parque;
- **Correção de pontos escuros/Demandas Reprimidas:** Correção de vãos e demanda reprimida (vias sem implantação de IP).

7.4 Vida Útil Remanescente dos Ativos Existentes

7.4.1 Luminárias Convencionais

Desde o acordo operativo entre a Distribuidora Elektro e a PMI, uma série de contratos e aditamentos foram firmados para realizar manutenções, substituições de lâmpadas, luminárias e outros acessórios, assim como implantação de pontos novos, inclusive de destaque.

Durante as vistorias foi verificada a existência de luminárias convencionais em bom estado de conservação e que ainda podem suportar mais 5 anos. Entretanto, acredita-se não fazer sentido mantê-las, levando-se em consideração a economia de escala na aquisição das próximas luminárias LED.

Mesmo reformadas em curto prazo, esses pontos não alteram as dimensões de projeto, pois serão substituídos por estarem aquém do que a tecnologia LED oferece a nível de eficiência, conforme será detalhado no Projeto de Engenharia.

7.4.2 Luminárias em LED

A Tabela 15 e a Tabela 18 apresentam os tempos de garantias estimadas para projetos executados e aguardando execução das implantações de luminárias LED. Para dimensionamento de projeto, frisa-se que a inclusão ou não dessas quantidades de pontos dependerá do tempo de ciclo de projeto, assim como da estimativa de conclusão da presente modelagem.

Em geral, as luminárias LED encontradas durante os trabalhos de campo apresentam boa qualidade de seus materiais, apesar de terem sido observados alguns pontos apagados durante a noite ou acesos durante o dia. Muitas dessas também já apresentavam menor fluxo luminoso, a exemplo das luminárias dos calçadões das praias do Centro e dos Sonhos.

7.5 Indicadores de Desempenho

Os indicadores de desempenho demonstram a necessidade de reestruturação de todo sistema de IP municipal, não só de readequação dos ativos, como da estrutura de operação e manutenção do sistema.

Em relação às lâmpadas, durante a realização das rondas diurnas, foi notada uma quantidade expressiva de pontos acesos durante o dia. Em menor quantidade, porém

ainda relevante, foram encontradas muitas lâmpadas apagadas durante a noite em rondas noturnas.

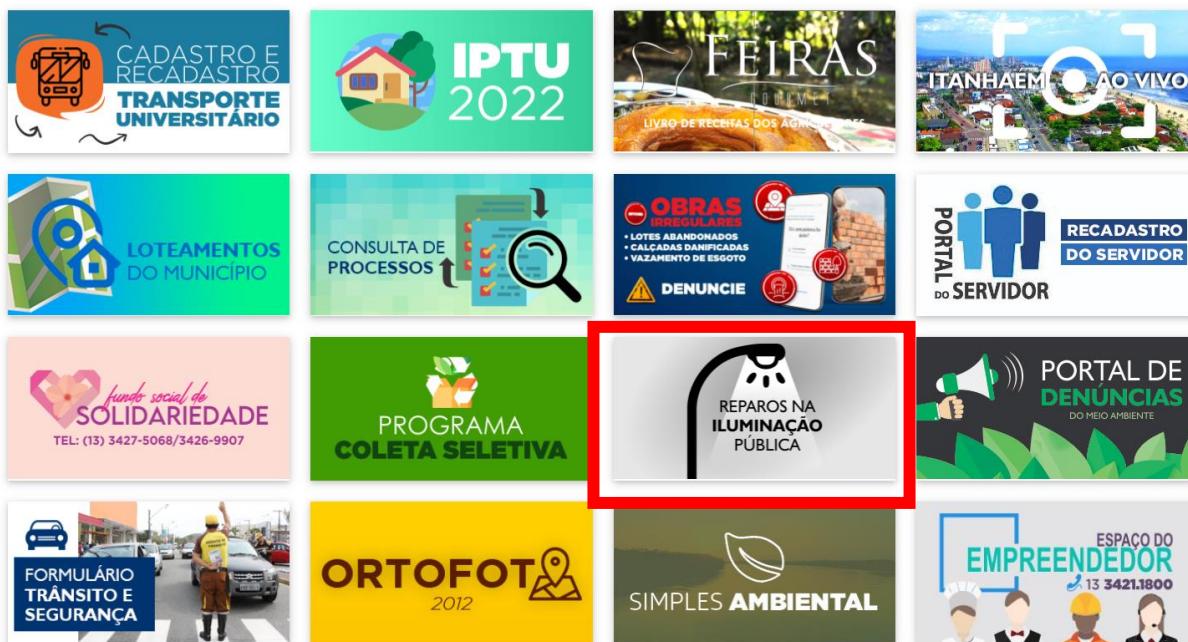
Vale destacar que a cobrança de IP é dada, em sua maior parte, por medições diretas. Com isso, lâmpadas acesas durante o dia ou apagadas durante a noite têm impacto financeiro nas faturas de IP.

7.5.1 Atendimento às Demandas de IP

No que se refere às demandas apresentadas pela população, o canal de ouvidoria é o maior referencial de reclamações. Proporcionalmente, a IP é maior causa de reclamações da ouvidoria. O relatório fornecido pela Ouvidora-geral a respeito do tema, evidencia a forte pressão dos usuários pela qualidade do sistema.

Com a efetivação dos canais previstos no contrato de Nº28/2021, o usuário hoje encontra diversos canais para manifestações a respeito da qualidade dos serviços oferecidos. O aplicativo para celulares lançado em meados de 2021 demonstra a intenção de oferecer maior poder de fiscalização ao município. Ainda é possível o acesso via telefone ao número 0800 806 4641 e pela página da internet.

Figura 37 – Ícone, destacado em vermelho, da página da PMI para acesso a manifestações referentes à IP



Fonte: <http://www2.itanhaem.sp.gov.br/>, acessado em 17/01/2022

Entre o ano de 2020 e o de 2021, foram registradas 612 manifestações em relação a IP, dentre as 1.417 manifestações que envolvem Serviços e Manutenções Urbanas,

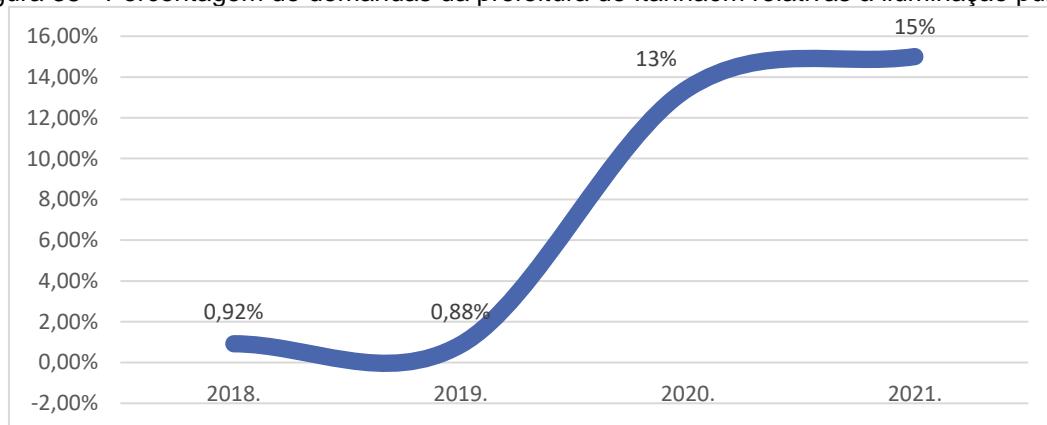
representando aproximadamente 43% dessas. Em relação ao total de manifestações apresentadas à Prefeitura em 2021 estas representavam 15% do total, como pode ser visto na Tabela 23. Por fim, é relevante comentar que no período entre os anos de 2018 e 2021 houve aumento significativo das reclamações envolvendo ao serviço de iluminação pública, sendo estas no primeiro ano de menos de um por cento das reclamações enviadas à prefeitura contra 15% em 2021, Figura 38.

Tabela 23 – Manifestações da Ouvidoria Geral Municipal				
Manifestações	2018	2019	2020	2021
Iluminação Pública	42	47	248	364
Serviços e Urbanização	639	789	742	675
PMI (TOTAL)	4576	5336	2794	2432

Fonte 1: Dados referentes aos anos de 2018 e 2019: Relatório de Gestão setembro 2021 – Iluminação Pública, Ouvidora-geral do município de Itanhaém.

Fonte 2: Dados referentes aos anos de 2020 e 2021: Relatório Anual de Atividades 2021 - Ouvidora-geral do município de Itanhaém.

Figura 38 - Porcentagem de demandas da prefeitura de Itanhaém relativas à iluminação pública



Fonte: Relatório de Gestão – Iluminação Pública, Ouvidora-geral.

Fonte 1: Dados referentes aos anos de 2018 e 2019: Relatório de Gestão setembro 2021 – Iluminação Pública, Ouvidora-geral do município de Itanhaém.

Fonte 2: Dados referentes aos anos de 2020 e 2021: Relatório Anual de Atividades 2021 - Ouvidora-geral do município de Itanhaém. / Tratamento estatístico Consórcio Vital

Sobre as manifestações protocoladas à Ouvidora-geral do Município ainda se destacam:

- Grande número de reclamações na demora na execução dos serviços de manutenção, como troca de lâmpadas;
- Reclamações de munícipes que afirmam ter encerrado o protocolo, sem a execução dos serviços;

- As demandas seguem altas, mesmo após a assinatura de novo contrato com a empresa RT Energia no dia 1 de março de 2021;
- Há uma tendência de queda nos pedidos de manutenção de ruas (coleta de resíduos, limpeza de galerias de águas pluviais, limpeza de valas, tapa-buraco, roçada, cascalhamento, varrição de ruas, limpeza de praias etc.), mas de grande alta em relação à iluminação pública;
- A Ouvidora-geral do Município tem encaminhado todas as demandas ao Gabinete do Secretário de Serviços e Urbanização. Importante destacar que o setor sempre esteve à disposição da Ouvidora-geral, sem qualquer empecilho para resolução das demandas, porém as reclamações seguem altas.

Tais apontamentos demonstram a importância para os municípios do sistema de iluminação pública e a necessidade de sua renovação e reestruturação.

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TERMO DE ENCERRAMENTO

Rio de Janeiro, 04 de maio de 2022.

À

Caixa Econômica Federal (CAIXA)

Ref.: Relatório 03 – Diagnóstico Técnico Operacional do Parque de Iluminação Pública de Itanhaém

Prezados Senhores,

Este volume de nº 0487CT1006-02 contém 70 (setenta) páginas numeradas sequencialmente, inclusive esta de encerramento.

Atenciosamente,

Eng. Eduardo Ortigão
CREA 35162/D-RJ
CPF. nº 339.109.107-00
Sócio Diretor

Verificação e Aprovação:

Verificado: Elvio Lima Gaspar
Data: 03/05/2022

Aprovado: Eduardo Ortigão
Data: 03/05/2022

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ANEXO 1 – CADASTRO DE ILUMINAÇÃO PÚBLICA

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.852376491493	-24.105815052812	VS	70	1	-46.860790585417	-24.221488142755	VS	70	1
-46.863934863661	-24.215825620732	VS	70	1	-46.86075521201	-24.224071295685	VS	70	1
-46.772153176606	-24.168134831754	VS	100	1	-46.86067788006	-24.222056481744	VS	70	1
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-46.771931308571	-24.168287968112	VS	100	1	-46.860661625811	-24.223346451625	VS	70	1
-46.771822783953	-24.169196057378	VS	100	1	-46.836015710685	-24.209730732133	VS	70	1
-46.772131969014	-24.168988574609	VS	100	1	-46.835755445586	-24.20950619957	VS	70	1
-46.771991563428	-24.16878397828	VS	70	1	-46.835524362318	-24.209306295406	VS	70	1
-46.771693330421	-24.168625576553	VS	100	1	-46.836485149927	-24.209830203784	VS	70	1
-46.771749071762	-24.168402067054	VS	100	1	-46.836647995546	-24.209550690581	VS	70	1
-46.771400602971	-24.168476054368	VS	100	1	-46.836781214785	-24.209303698641	VS	70	1
-46.771523397554	-24.169403468953	VS	100	1	-46.836667546363	-24.209109165376	VS	70	1
-46.771370785221	-24.168675995535	VS	100	1	-46.836357585981	-24.208879576698	VS	70	1
-46.77123364268	-24.169601879271	VS	100	1	-46.836681398018	-24.207940207575	VS	70	1
-46.771080785683	-24.168865491477	VS	100	1	-46.83643164405	-24.207763677494	VS	70	1
-46.770934194659	-24.169809314799	VS	100	1	-46.836679919174	-24.206483774628	VS	70	1
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-46.770104429806	-24.169547322131	VS	100	1	-46.860535891007	-24.223946939131	VS	70	1
-46.769798342415	-24.169508714565	VS	100	1	-46.860373817631	-24.221887684621	VS	100	1
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-46.735265157474	-24.1482874386	VS	70	1	-46.860117223651	-24.223034403676	VS	70	1
-46.7355095545	-24.148568356481	VS	70	1	-46.860202380423	-24.22374195933	VS	70	1
-46.73574129482	-24.148825434751	VS	70	1	-46.859855199066	-24.222263623449	VS	70	1
-46.735962809454	-24.14906474573	VS	70	1	-46.859834744793	-24.222886723222	VS	70	1
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-46.734844839207	-24.147800543583	VS	70	1	-46.859573067521	-24.222740041688	VS	70	1
-46.734622319894	-24.147549023537	VS	70	1	-46.859685345505	-24.224808488358	VS	100	1
-46.874842188711	-24.224621857846	VS	100	1	-46.836019954198	-24.205896798195	VS	70	1
-46.875112426608	-24.224432399497	VS	100	1	-46.835586393137	-24.205930106687	VS	70	1
-46.871458416244	-24.224818440203	VS	70	1	-46.835367599161	-24.205815795852	VS	70	1
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-46.870830584537	-24.225251753942	VS	70	1	-46.831902004569	-24.204218613156	VS	70	1
-46.82090980194	-24.196399038723	VS	70	1	-46.835414724297	-24.204923111466	VS	70	1
-46.818133997676	-24.193061856427	VS	100	1	-46.83567321025	-24.205054954286	VS	70	1
-46.818050459134	-24.193229502589	VS	100	1	-46.835921673023	-24.205177947963	VS	70	1
-46.825525572837	-24.185009102789	VS	70	1	-46.835905866965	-24.20411625488	VS	70	1
-46.825540769728	-24.185252962033	VS	70	1	-46.836224122167	-24.204283327109	VS	70	1
-46.82555109837	-24.185579229678	VS	70	1	-46.836601717384	-24.204467765314	VS	70	1
-46.821088324926	-24.196077094431	VS	70	1	-46.83530951239	-24.203817514558	VS	70	1
-46.821262828487	-24.195763225956	VS	70	1	-46.859566293427	-24.222467745567	VS	70	1
-46.743652793045	-24.153371362699	VS	70	1	-46.859539603323	-24.223372272008	VS	100	1
-46.74425881883	-24.15367925123	VS	70	1	-46.859256528917	-24.222554249396	VS	70	1
-46.743344340736	-24.153209643088	VS	70	1	-46.859360047133	-24.224617678499	VS	100	1
-46.743956569704	-24.153524485626	VS	70	1	-46.859233085304	-24.222707086019	VS	70	1
-46.789798726468	-24.183257410748	VS	150	1	-46.859179906115	-24.224615953895	VS	100	1
-46.789632322593	-24.183587328397	VS	100	1	-46.859012672651	-24.224444317218	VS	100	1
-46.788393722456	-24.183123337265	VS	250	2	-46.85892302823	-24.2229261295	VS	100	1
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-46.789550899809	-24.183403110324	VS	250	1	-46.835627555002	-24.203975665121	VS	70	1
-46.789410577888	-24.183474780177	VS	250	2	-46.833237348296	-24.203965362075	VS	70	1
-46.789971729095	-24.183158740729	VS	150	1	-46.833086295236	-24.204216370281	VS	70	1
-46.788764863342	-24.18291480416	VS	250	2	-46.832935452257	-24.204476300942	VS	70	1
-46.789786352202	-24.183102276549	VS	250	2	-46.832827257434	-24.204685034444	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.789065399805	-24.182951952621	VS	250	2	-46.831176368079	-24.203858314001	VS	70	1
-46.789555392138	-24.183025221219	VS	250	2	-46.742504707264	-24.160127159768	VS	100	1
-46.789306274605	-24.182982112453	VS	250	2	-46.829093500352	-24.204782662071	VS	100	1
-46.768283262822	-24.173141654873	VS	100	1	-46.82892322415	-24.205051656926	VS	100	1
-46.789525086297	-24.18323466668	VS	250	2	-46.835043308166	-24.205156150307	VS	100	1
-46.727638627343	-24.140064102044	VS	70	1	-46.835477527204	-24.204429972631	VS	100	1
-46.727952490016	-24.139839206589	VS	70	1	-46.834838165724	-24.204633115733	VS	100	1
-46.816555035354	-24.182491696204	VS	250	1	-46.79171643898	-24.18306082308	VS	250	1
-46.788250596025	-24.18342462302	VS	250	1	-46.79204077146	-24.182876907364	VS	250	1
-46.848879280939	-24.1667767581	VS	70	1	-46.79137623068	-24.183224184732	VS	250	1
-46.848641568682	-24.166997089977	VS	70	1	-46.791137227986	-24.183286843301	VS	250	1
-46.848396886572	-24.167215951049	VS	70	1	-46.891776312479	-24.23755269065	VS	100	1
-46.84815083177	-24.167433475865	VS	70	1	-46.892086408593	-24.237320856381	VS	100	1
-46.837914927755	-24.164753145303	VS	100	1	-46.892144269103	-24.237679790716	VS	100	1
-46.838319747368	-24.164061579996	VS	100	1	-46.892300607191	-24.237853735434	VS	100	1
-46.838059612201	-24.163858387174	VS	100	1	-46.892508985204	-24.238078362196	VS	100	1
-46.837808902121	-24.163637329123	VS	100	1	-46.834892246759	-24.205407160303	VS	100	1
-46.837548509584	-24.163425166506	VS	100	1	-46.83517536586	-24.20493206474	VS	100	1
-46.837297870095	-24.163212882436	VS	100	1	-46.834183836044	-24.205363549564	VS	100	1
-46.839513642667	-24.211023629154	VS	70	1	-46.833870227257	-24.20521169328	VS	100	1
-46.778259899801	-24.179722648334	VS	250	2	-46.835307695507	-24.204716822244	VS	100	1
-46.827451097342	-24.199205107351	VS	70	1	-46.835628576265	-24.204178961446	VS	100	1
-46.831697757562	-24.195818657676	VS	70	1	-46.835831841064	-24.203847017419	VS	100	1
-46.83129126062	-24.19561993062	VS	70	1	-46.835166243254	-24.204800107543	VS	100	1
-46.833457633763	-24.197377551462	VS	70	1	-46.834162167351	-24.204290355032	VS	100	1
-46.833625969301	-24.196776459942	VS	70	1	-46.833804644687	-24.204123582582	VS	70	1
-46.834262027329	-24.197092771731	VS	70	1	-46.833446681578	-24.203938972488	VS	100	1
-46.834570019934	-24.197242073102	VS	70	1	-46.833343427346	-24.204948083795	VS	100	1
-46.834888036781	-24.197400213692	VS	70	1	-46.791071026131	-24.186208687337	VS	250	1
-46.834593800847	-24.19751258554	VS	70	1	-46.823938295735	-24.202893765031	VS	70	1
-46.834423768133	-24.197790512625	VS	70	1	-46.824092298308	-24.202662774141	VS	70	1
-46.830932123699	-24.195428712555	VS	70	1	-46.823782678271	-24.202639324518	VS	70	1
-46.830654393556	-24.195291522192	VS	70	1	-46.892713885781	-24.238306266924	VS	100	1
-46.830322395935	-24.195132629979	VS	70	1	-46.892314441448	-24.237147303785	VS	100	1
-46.830006327605	-24.194973885229	VS	70	1	-46.892524449578	-24.23700373038	VS	100	1
-46.82970068776	-24.194826037688	VS	70	1	-46.892503861061	-24.2371440571	VS	100	1
-46.846029659268	-24.202959608635	VS	70	1	-46.893193063328	-24.237891186531	VS	100	1
-46.845744472075	-24.202813953015	VS	70	1	-46.892970893965	-24.237643141576	VS	100	1
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-46.898247585251	-24.232746956247	VS	70	1	-46.891897202643	-24.236715023964	VS	100	1
-46.89797377879	-24.232933322793	VS	70	1	-46.891601105759	-24.237364990042	VS	100	1
-46.86825189695	-24.214115904984	VS	70	1	-46.891359070589	-24.237116865829	VS	100	1
-46.868929484515	-24.214520928693	VS	70	1	-46.833084934817	-24.20481623709	VS	100	1
-46.902919610787	-24.225212139911	VS	70	1	-46.832508412874	-24.20452623409	VS	100	1
-46.9026976345	-24.224973023028	VS	70	1	-46.833102755796	-24.205212568085	VS	70	1
-46.902455147162	-24.2244698386573	VS	70	1	-46.832774681006	-24.205045563034	VS	70	1
-46.902202620943	-24.224414895393	VS	70	1	-46.832595814385	-24.204957713904	VS	70	1
-46.901940308619	-24.2244131536806	VS	70	1	-46.832317476485	-24.204817099504	VS	70	1
-46.901728160979	-24.223892332203	VS	70	1	-46.832074571805	-24.204697146828	VS	70	1
-46.901475628057	-24.223608839953	VS	70	1	-46.83180079305	-24.204562363722	VS	70	1
-46.901223321392	-24.223334270917	VS	70	1	-46.83165226449	-24.204761723016	VS	100	1
-46.900995096618	-24.223085696606	VS	70	1	-46.83151073754	-24.205003829938	VS	100	1
-46.901690409849	-24.223347820389	VS	70	1	-46.831611894423	-24.20446567335	VS	70	1
-46.904834231344	-24.233023543225	VS	70	1	-46.831333529714	-24.204325047615	VS	70	1
-46.904641502894	-24.232797595478	VS	70	1	-46.82065508643	-24.190963114909	VS	100	1
-46.904399411129	-24.232540769731	VS	70	1	-46.875773550666	-24.222690182177	VS	100	1

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Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.904487200428	-24.231719070426	VS	70	1	-46.860346806732	-24.226021722461	VS	100	1
-46.904709189942	-24.231958195551	VS	70	1	-46.884714236931	-24.211958168919	VS	100	1
-46.904921598991	-24.232206349398	VS	70	1	-46.893762547599	-24.239483786942	VS	100	1
-46.905154648488	-24.232464301238	VS	70	1	-46.894293659978	-24.239113566512	VS	100	1
-46.905416407133	-24.23275550425	VS	70	1	-46.863603176807	-24.210283927703	VS	250	1
-46.905658998845	-24.233030258139	VS	70	1	-46.831045161719	-24.204175581957	VS	70	1
-46.905331160776	-24.228009323753	VS	70	1	-46.830781491605	-24.204061279357	VS	70	1
-46.892785982012	-24.235840679532	VS	70	1	-46.830623930421	-24.204315784718	VS	70	1
-46.892508022531	-24.235672834135	VS	70	1	-46.830453868212	-24.204593713507	VS	100	1
-46.873839893192	-24.207327911526	VS	70	1	-46.830449022677	-24.203885728421	VS	70	1
-46.928113362653	-24.173741058329	VS	70	1	-46.830170767321	-24.203745148892	VS	100	1
-46.927754650119	-24.173737505357	VS	70	1	-46.830692396126	-24.205025892648	VS	100	1
-46.927380437299	-24.173736458358	VS	70	1	-46.830225392901	-24.204797515221	VS	100	1
-46.926892468908	-24.173746289127	VS	70	1	-46.82998578824	-24.205374430072	VS	100	1
-46.863378577764	-24.216467839734	VS	70	1	-46.829887913128	-24.205536001233	VS	100	1
-46.925244802335	-24.174228601334	VS	70	1	-46.829745938046	-24.205776948705	VS	100	1
-46.92523627723	-24.17468274835	VS	70	1	-46.829613640046	-24.205992113918	VS	100	1
-46.870057897781	-24.217779083579	VS	70	1	-46.829453395666	-24.206269967685	VS	100	1
-46.724860477225	-24.140641334692	VS	70	1	-46.82026431764	-24.190908716201	VS	100	1
-46.724846908431	-24.140415806085	VS	70	1	-46.820106247322	-24.190887126205	VS	100	1
-46.72484091328	-24.140155799119	VS	70	1	-46.820059050211	-24.191158338371	VS	100	1
-46.724862439964	-24.139786253171	VS	70	1	-46.820017039977	-24.191453107558	VS	100	1
-46.724888429727	-24.139480895085	VS	70	1	-46.819974994686	-24.191748038032	VS	100	1
-46.724927922307	-24.139223164948	VS	70	1	-46.819933249358	-24.192051532897	VS	100	1
-46.724949608219	-24.138965593343	VS	70	1	-46.82018619023	-24.191864791086	VS	100	1
-46.724958845432	-24.13871190066	VS	70	1	-46.819891237917	-24.192346310952	VS	100	1
-46.724970892911	-24.138391537565	VS	70	1	-46.820491539606	-24.191904708312	VS	100	1
-46.725014601226	-24.138061785206	VS	70	1	-46.829292940355	-24.20653888951	VS	100	1
-46.725157551608	-24.13776886753	VS	70	1	-46.829970393374	-24.204664488065	VS	100	1
-46.725660609087	-24.137173246564	VS	70	1	-46.829728302192	-24.204542588684	VS	100	1
-46.725945199988	-24.136865206073	VS	70	1	-46.829439651588	-24.204399135099	VS	100	1
-46.72622253794	-24.136576091967	VS	70	1	-46.82915217509	-24.20426160072	VS	100	1
-46.726523116601	-24.136261935287	VS	70	1	-46.82885441867	-24.204130050097	VS	100	1
-46.781454190951	-24.156130753694	VS	70	1	-46.828546564269	-24.203980811977	VS	100	1
-46.749504755105	-24.164321341301	VS	70	1	-46.829272833633	-24.204486993331	VS	100	1
-46.883423347219	-24.215623480947	VS	70	1	-46.829083618699	-24.205202179137	VS	100	1
-46.883139500447	-24.215823453958	VS	70	1	-46.828770412813	-24.205081321239	VS	100	1
-46.88281571145	-24.216041342443	VS	70	1	-46.828733942213	-24.205347593169	VS	100	1
-46.881958683666	-24.216659374258	VS	70	1	-46.82884311517	-24.205978943998	VS	100	1
-46.88166364456	-24.21687429669	VS	70	1	-46.828602004473	-24.205891763368	VS	100	1
-46.881336855043	-24.217110097007	VS	70	1	-46.81969532786	-24.190828881662	VS	100	1
-46.88107011577	-24.217297022196	VS	70	1	-46.820739328792	-24.191257006641	VS	100	1
-46.880765605779	-24.21750127196	VS	70	1	-46.829135344512	-24.206076623425	VS	100	1
-46.88046878758	-24.21771972295	VS	70	1	-46.829412387924	-24.206163715763	VS	100	1
-46.880209274396	-24.217904434746	VS	70	1	-46.832158139726	-24.203749492615	VS	100	1
-46.881541171664	-24.217716010685	VS	70	1	-46.83196249357	-24.204078438757	VS	100	1
-46.881272034254	-24.217396795493	VS	70	1	-46.831464834771	-24.204001416699	VS	70	1
-46.881060134885	-24.217148440128	VS	70	1	-46.831683418263	-24.204113220246	VS	70	1
-46.880831028545	-24.216883082188	VS	70	1	-46.829409640147	-24.205280020593	VS	70	1
-46.880177880969	-24.218142808443	VS	70	1	-46.832632812732	-24.205216110127	VS	70	1
-46.879911057041	-24.218108582501	VS	70	1	-46.833888420283	-24.204906257221	VS	250	1
-46.878710942263	-24.218969403168	VS	70	1	-46.834029659867	-24.204655330965	VS	250	1
-46.862983317707	-24.220135769686	VS	70	1	-46.834190534748	-24.204404239072	VS	250	1
-46.862758949784	-24.219479307878	VS	70	1	-46.834313263028	-24.204198003137	VS	250	1
-46.864002402241	-24.219587373982	VS	70	1	-46.860190489732	-24.222409252694	VS	70	1
-46.863936684402	-24.219026159179	VS	70	1	-46.858446067916	-24.223252904623	VS	70	1
-46.86379497394	-24.218867538516	VS	70	1	-46.862997622881	-24.221911390475	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.903971282369	-24.232056705964	VS	70	1	-46.862689415136	-24.222130033102	VS	70	1
-46.787644620942	-24.170076990438	VS	70	1	-46.862472149269	-24.222277883783	VS	70	1
-46.787303630479	-24.170273232165	VS	70	1	-46.733978465157	-24.089383903745	VS	70	1
-46.733486990112	-24.15128131469	VS	250	1	-46.861859719075	-24.223355792647	VS	70	1
-46.732409738683	-24.152098734253	VS	100	1	-46.861207957138	-24.222981011445	VS	70	1
-46.726457137848	-24.135938337817	VS	70	1	-46.834473704582	-24.203929083114	VS	250	1
-46.726405050304	-24.13559555765	VS	70	1	-46.830123584484	-24.205149470406	VS	100	1
-46.726343860668	-24.135257660977	VS	70	1	-46.830273561957	-24.204907245146	VS	100	1
-46.726463176061	-24.134945029219	VS	70	1	-46.825878823269	-24.204228789641	VS	70	1
-46.726573428893	-24.134658494934	VS	70	1	-46.82984356646	-24.207264139938	VS	70	1
-46.72667135623	-24.134417286476	VS	70	1	-46.829543802749	-24.20709563205	VS	100	1
-46.725350939151	-24.137477661931	VS	100	1	-46.829036181555	-24.206822787264	VS	70	1
-46.789805990137	-24.167336229796	VS	70	1	-46.828757692231	-24.206673281329	VS	70	1
-46.821421648273	-24.185417535704	VS	100	1	-46.828085044178	-24.206302843544	VS	70	1
-46.822310599774	-24.185940880085	VS	100	1	-46.827852899814	-24.20618096144	VS	70	1
-46.792318914334	-24.186825852516	VS	250	1	-46.8275843792	-24.206040256299	VS	70	1
-46.79230938081	-24.186819872886	VS	250	1	-46.85788115434	-24.222919300492	VS	70	1
-46.78990717688	-24.183871824931	VS	250	1	-46.786068251618	-24.182243868183	VS	100	1
-46.909766941902	-24.240050752989	VS	100	1	-46.787216018794	-24.185183541051	VS	250	1
-46.79185017431	-24.186586873583	VS	250	1	-46.860873628518	-24.222792826394	VS	70	1
-46.791583395794	-24.186456484336	VS	250	1	-46.860708047621	-24.222699489035	VS	70	1
-46.791562196805	-24.186445701198	VS	250	1	-46.860489014767	-24.222576321642	VS	70	1
-46.791287177419	-24.186321457743	VS	250	1	-46.858424703117	-24.224118417347	VS	100	1
-46.791274697549	-24.186313322937	VS	250	1	-46.858229873853	-24.223291311018	VS	100	1
-46.713552779267	-24.143163920709	VS	100	1	-46.858085848221	-24.223915848196	VS	100	1
-46.791048757226	-24.186197865527	VS	250	1	-46.857837878267	-24.223685983336	VS	100	1
-46.790618259338	-24.185991910974	VS	250	1	-46.857345016586	-24.224038179704	VS	100	1
-46.790303286198	-24.185842082891	VS	250	1	-46.825648266566	-24.204447403056	VS	70	1
-46.79028079081	-24.185830082665	VS	250	1	-46.825406533707	-24.204673508137	VS	70	1
-46.7923119759	-24.186673302757	VS	250	1	-46.857213691186	-24.224037972596	VS	100	1
-46.792296161865	-24.186663741493	VS	250	1	-46.858903579066	-24.224799111221	VS	70	1
-46.792060642457	-24.18655201455	VS	250	1	-46.859502837736	-24.224020803943	VS	100	1
-46.791812691935	-24.186431279335	VS	250	1	-46.859173902138	-24.22382700963	VS	100	1
-46.79179210981	-24.186419070761	VS	250	1	-46.858850221288	-24.223650101103	VS	100	1
-46.791561536369	-24.186303413794	VS	250	1	-46.85886698679	-24.225006038778	VS	100	1
-46.791547338885	-24.186294609417	VS	250	1	-46.858574751602	-24.224833502467	VS	100	1
-46.79125869087	-24.18618941805	VS	250	1	-46.825507350456	-24.204875042967	VS	70	1
-46.738479224496	-24.150383666559	VS	100	1	-46.825229341763	-24.204723732384	VS	70	1
-46.913158758121	-24.242231147071	VS	100	1	-46.824985576889	-24.204578581679	VS	70	1
-46.909938248268	-24.244536851029	VS	100	1	-46.824667374056	-24.204405610266	VS	70	1
-46.909746571981	-24.24433317958	VS	100	1	-46.824405113068	-24.204185081859	VS	70	1
-46.846911499879	-24.154722564851	VS	70	1	-46.824298805919	-24.204191305456	VS	70	1
-46.847750677238	-24.154118191521	VS	70	1	-46.824089849567	-24.204076916186	VS	70	1
-46.862618851994	-24.213137016042	VS	70	1	-46.824550244484	-24.203947941543	VS	70	1
-46.862420662335	-24.212900841546	VS	70	1	-46.858536561847	-24.223474952702	VS	100	1
-46.862187433493	-24.212627675157	VS	70	1	-46.858389734618	-24.224730400238	VS	100	1
-46.839353775614	-24.198255783243	VS	100	1	-46.858071525628	-24.224540556398	VS	100	1
-46.839038808359	-24.198099718202	VS	100	1	-46.857757508619	-24.224356091728	VS	100	1
-46.775878937364	-24.151410331624	VS	70	1	-46.857586897628	-24.223866420822	VS	100	1
-46.781438854293	-24.159121178636	VS	70	1	-46.857523444113	-24.224214712288	VS	100	1
-46.775163341427	-24.153503626875	VS	100	1	-46.858004869167	-24.221647418332	VS	100	1
-46.775341160355	-24.152975813183	VS	100	1	-46.857656428567	-24.221453856507	VS	100	1
-46.758820889136	-24.163782387748	VS	70	1	-46.857384197635	-24.221392142048	VS	100	1
-46.839612090669	-24.197545054367	VS	100	1	-46.82815451767	-24.204793585678	VS	100	1
-46.889995635856	-24.232968444405	VS	100	1	-46.828462401925	-24.204931997282	VS	100	1
-46.787404988432	-24.156348161817	VS	100	1	-46.828319752328	-24.205758247352	VS	100	1
-46.88979291157	-24.233112851913	VS	100	1	-46.828028742296	-24.205620207998	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.88975634531	-24.233252808998	VS	100	1	-46.828356078067	-24.205966153341	VS	100	1
-46.817133985973	-24.183608055586	VS	100	1	-46.828177512963	-24.206264952122	VS	100	1
-46.865769159191	-24.221170011211	VS	150	1	-46.828439051665	-24.206488376511	VS	100	1
-46.866077629517	-24.221328278644	VS	150	1	-46.830888607794	-24.203717989105	VS	70	1
-46.828292712617	-24.187820954672	VS	70	1	-46.820519090476	-24.148461284811	VS	70	1
-46.868402767761	-24.227083885486	VS	100	1	-46.820258470786	-24.148240130544	VS	70	1
-46.868174663788	-24.217535153585	VS	100	1	-46.857232495214	-24.221616426095	VS	100	1
-46.86801939608	-24.218346030404	VS	100	1	-46.857031558083	-24.221888272336	VS	100	1
-46.868045611004	-24.218992097567	VS	100	1	-46.855980577998	-24.222151165907	VS	100	1
-46.868222482914	-24.226893013322	VS	100	1	-46.855805839348	-24.222400543534	VS	100	1
-46.868077481653	-24.224021673127	VS	70	1	-46.855625295341	-24.222651863392	VS	100	1
-46.86808904077	-24.226712710294	VS	100	1	-46.855519543071	-24.222947355147	VS	100	1
-46.818267951573	-24.192275178533	VS	100	1	-46.85528749162	-24.221654146743	VS	100	1
-46.818267366635	-24.192095392615	VS	100	1	-46.855200511265	-24.221780328938	VS	100	1
-46.868090806487	-24.227308351416	VS	100	1	-46.854983356366	-24.222080717014	VS	100	1
-46.867835800065	-24.217983848495	VS	100	1	-46.854776535649	-24.222394072338	VS	70	1
-46.868030266393	-24.226998256215	VS	100	1	-46.856546366765	-24.221357838925	VS	70	1
-46.818251177794	-24.191899823594	VS	100	1	-46.856406897318	-24.221539231447	VS	70	1
-46.818223962834	-24.191213716036	VS	100	1	-46.856194800863	-24.221835314486	VS	70	1
-46.818167982063	-24.193379720599	VS	100	1	-46.867016338071	-24.227309612627	VS	100	1
-46.817085939496	-24.151087635408	VS	70	1	-46.820023294151	-24.14805233003	VS	100	1
-46.817909342085	-24.191675549884	VS	100	1	-46.819735577975	-24.147857993623	VS	70	1
-46.817918752757	-24.192052117873	VS	100	1	-46.819747665783	-24.147946267605	VS	70	1
-46.786104653138	-24.172036007558	VS	100	1	-46.819427429833	-24.147699710196	VS	70	1
-46.786139810532	-24.177248329194	VS	100	1	-46.819138404423	-24.147549821962	VS	70	1
-46.785967933913	-24.171653363166	VS	100	1	-46.818706518637	-24.147387835138	VS	70	1
-46.869376549546	-24.226610008236	VS	100	1	-46.818610014989	-24.147387467722	VS	70	1
-46.869126733173	-24.217565118423	VS	100	1	-46.818504437601	-24.147486424109	VS	70	1
-46.869209997944	-24.227263405605	VS	70	1	-46.818360938948	-24.147639175018	VS	70	1
-46.869078568528	-24.226443357135	VS	100	1	-46.818169690819	-24.14784579315	VS	100	1
-46.817622421218	-24.191142896599	VS	100	1	-46.81869552746	-24.147697323899	VS	100	1
-46.785841885821	-24.17130632882	VS	100	1	-46.818619085849	-24.147611990118	VS	70	1
-46.778079201936	-24.149639724756	VS	70	1	-46.818966066386	-24.147927236737	VS	100	1
-46.813013122099	-24.190850267642	VS	70	1	-46.855884272444	-24.221843177708	VS	70	1
-46.86790723736	-24.222952403445	VS	70	1	-46.855559337055	-24.221649476723	VS	70	1
-46.867972445341	-24.22663903271	VS	100	1	-46.855477977602	-24.221390286149	VS	70	1
-46.86787215915	-24.227108600733	VS	100	1	-46.854901728859	-24.221253377688	VS	70	1
-46.867625995945	-24.21778925336	VS	100	1	-46.855318612489	-24.222818831769	VS	70	1
-46.867840601046	-24.226737783906	VS	100	1	-46.854992984	-24.222608565676	VS	70	1
-46.867679044648	-24.222885439054	VS	70	1	-46.854669422006	-24.222389483355	VS	70	1
-46.867781137854	-24.227516306864	VS	100	1	-46.854546843353	-24.221340958656	VS	70	1
-46.867666864562	-24.222784413339	VS	70	1	-46.854449934019	-24.222248443293	VS	70	1
-46.867716356028	-24.226504759613	VS	100	1	-46.854363625731	-24.221601039931	VS	70	1
-46.867663423883	-24.225598061072	VS	100	1	-46.854230224956	-24.222098470847	VS	70	1
-46.785726100076	-24.170977150212	VS	100	1	-46.854167685623	-24.221891429162	VS	70	1
-46.785600260783	-24.170639038153	VS	100	1	-46.819491013259	-24.148191394667	VS	100	1
-46.785665927228	-24.176579791629	VS	100	1	-46.819507003579	-24.14836945813	VS	100	1
-46.785600134758	-24.176705488777	VS	100	1	-46.819236673251	-24.148157205154	VS	100	1
-46.836737315345	-24.204695473781	VS	70	1	-46.822723023125	-24.197243430095	VS	70	1
-46.819287048507	-24.192127913969	VS	100	1	-46.822533587291	-24.197559775466	VS	70	1
-46.868863234062	-24.221357814107	VS	100	1	-46.822547487197	-24.199931190124	VS	70	1
-46.868947577471	-24.227459393735	VS	70	1	-46.822515842919	-24.198862580932	VS	70	1
-46.868765400373	-24.22625259775	VS	100	1	-46.822460995312	-24.197902536546	VS	70	1
-46.868640629923	-24.227678397919	VS	70	1	-46.853992138193	-24.221940711769	VS	70	1
-46.8685755585849	-24.221546598494	VS	70	1	-46.853851054758	-24.22185161514	VS	70	1
-46.81024642787	-24.187843506151	VS	70	1	-46.853584088836	-24.221661574092	VS	70	1
-46.810413343419	-24.187532977045	VS	70	1	-46.853252660302	-24.221463904632	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.810922694882	-24.18677832829	VS	100	1	-46.864451962773	-24.225977753297	VS	70	1
-46.867417748776	-24.217598216698	VS	100	1	-46.863266606401	-24.226007826504	VS	70	1
-46.867395816452	-24.217960177033	VS	70	1	-46.863005822021	-24.226188349103	VS	70	1
-46.867507360673	-24.222687515338	VS	70	1	-46.862687231868	-24.226413921014	VS	70	1
-46.867544681601	-24.226627556213	VS	100	1	-46.822571370294	-24.199534690363	VS	70	1
-46.867528277577	-24.226299248767	VS	100	1	-46.82230729274	-24.197929943666	VS	70	1
-46.867543026059	-24.22729883235	VS	100	1	-46.822402623626	-24.199046067125	VS	70	1
-46.867389244971	-24.223084044036	VS	70	1	-46.822269173415	-24.199790560213	VS	70	1
-46.867476436196	-24.227729346593	VS	100	1	-46.822230603122	-24.199368687292	VS	70	1
-46.867406243371	-24.225263748405	VS	100	1	-46.822128254692	-24.197740099083	VS	100	1
-46.868517611775	-24.226222573307	VS	100	1	-46.822108437322	-24.198249924493	VS	70	1
-46.817502429594	-24.192003374659	VS	100	1	-46.821871132474	-24.197394287486	VS	70	1
-46.817312756355	-24.191095281807	VS	100	1	-46.821886396214	-24.199202093186	VS	70	1
-46.867338255245	-24.222599624966	VS	70	1	-46.819259948545	-24.14842286082	VS	100	1
-46.867226410597	-24.217394448533	VS	100	1	-46.862669911698	-24.227432869653	VS	70	1
-46.868559974045	-24.226394251121	VS	100	1	-46.862637244994	-24.227286006353	VS	70	1
-46.868312072802	-24.221720800585	VS	70	1	-46.862509556801	-24.226543373385	VS	70	1
-46.868420720077	-24.227831856253	VS	70	1	-46.862409120693	-24.2258807086	VS	70	1
-46.817137831799	-24.191556779602	VS	100	1	-46.862390444129	-24.227263761721	VS	70	1
-46.817117562462	-24.191950626502	VS	100	1	-46.862233299612	-24.226729820688	VS	70	1
-46.817144586424	-24.192870098024	VS	100	1	-46.862148265694	-24.226061263759	VS	70	1
-46.776083269458	-24.173790132491	VS	100	1	-46.86206162093	-24.227070047562	VS	70	1
-46.870468733847	-24.220891271748	VS	70	1	-46.861972705029	-24.226919272487	VS	70	1
-46.870227384896	-24.22106273462	VS	70	1	-46.861897517002	-24.226250631979	VS	70	1
-46.785547608176	-24.176606871751	VS	100	1	-46.861830936776	-24.22692810762	VS	70	1
-46.785426336836	-24.1728427123	VS	100	1	-46.861682498201	-24.226840809505	VS	70	1
-46.785481420112	-24.176890964545	VS	100	1	-46.808672529924	-24.14812860807	VS	100	1
-46.785373895647	-24.175270147804	VS	100	1	-46.809100732702	-24.148070865653	VS	100	1
-46.869962940164	-24.22126039326	VS	70	1	-46.821919813983	-24.198572593257	VS	70	1
-46.868097967006	-24.221186983401	VS	70	1	-46.821994627775	-24.200804182446	VS	70	1
-46.868152424889	-24.226500195854	VS	100	1	-46.822456651752	-24.200067307731	VS	70	1
-46.867765219651	-24.218523885126	VS	100	1	-46.822305292952	-24.200309486369	VS	70	1
-46.867534989475	-24.21868994769	VS	100	1	-46.822163542366	-24.200533436844	VS	70	1
-46.816943239888	-24.186091603237	VS	250	2	-46.821815066744	-24.201066502885	VS	250	1
-46.816937079202	-24.186332250819	VS	250	2	-46.8216222946	-24.201337530219	VS	250	1
-46.816937321293	-24.186662720325	VS	250	2	-46.819291042228	-24.151279755412	VS	100	1
-46.816933923655	-24.186930401639	VS	250	2	-46.861646311171	-24.226413100638	VS	70	1
-46.816931183814	-24.187224878499	VS	250	2	-46.861522994993	-24.226743914184	VS	70	1
-46.867370886331	-24.226739610546	VS	100	1	-46.861396782048	-24.225948332371	VS	100	1
-46.867369347989	-24.227425171656	VS	100	1	-46.861289714697	-24.226585934983	VS	100	1
-46.867156373683	-24.218125673088	VS	70	1	-46.866724375462	-24.226855670731	VS	100	1
-46.867283572615	-24.226379431804	VS	100	1	-46.866556084929	-24.228376577553	VS	100	1
-46.867219078226	-24.226538971565	VS	100	1	-46.86650202699	-24.225872342879	VS	100	1
-46.867173899031	-24.227182438777	VS	100	1	-46.814862762347	-24.150948695669	VS	70	1
-46.867210041714	-24.226842170941	VS	100	1	-46.816878058024	-24.151282208795	VS	70	1
-46.867099424201	-24.223282665821	VS	70	1	-46.817389533506	-24.15138509641	VS	100	1
-46.867100904162	-24.222565086053	VS	70	1	-46.820530312193	-24.151805864086	VS	100	1
-46.867089371441	-24.22246168861	VS	70	1	-46.820261840824	-24.152075732015	VS	100	1
-46.867102270807	-24.224707551224	VS	100	1	-46.820559930761	-24.15097710267	VS	70	1
-46.857261822853	-24.2122491174	VS	70	1	-46.823502507803	-24.197220338502	VS	70	1
-46.816924849219	-24.187529805234	VS	250	2	-46.823336114111	-24.197499026646	VS	70	1
-46.816976604561	-24.191051833895	VS	100	1	-46.8231398043	-24.197805861592	VS	70	1
-46.816648780963	-24.190426245095	VS	100	1	-46.823005775328	-24.196779872458	VS	100	1
-46.816712844456	-24.187664969033	VS	100	1	-46.822845112598	-24.197039864868	VS	70	1
-46.816697444666	-24.191012774222	VS	100	1	-46.866241459472	-24.226061794647	VS	100	1
-46.816700469763	-24.191907413833	VS	100	1	-46.866874683258	-24.227578225399	VS	100	1
-46.867270249627	-24.219047669973	VS	100	1	-46.866120993592	-24.228766277334	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867347008884	-24.218819668353	VS	100	1	-46.865980638197	-24.22624234887	VS	100	1
-46.867374309463	-24.225421883442	VS	100	1	-46.865879623299	-24.228937730364	VS	100	1
-46.8672341403	-24.221759815851	VS	70	1	-46.865629959026	-24.227976226529	VS	100	1
-46.867081715365	-24.219920520594	VS	100	1	-46.865510039334	-24.225871266425	VS	100	1
-46.867085823287	-24.219002921325	VS	100	1	-46.865353690235	-24.228632610477	VS	100	1
-46.86689462007	-24.214878667805	VS	70	1	-46.866897345864	-24.227797758466	VS	100	1
-46.86687948772	-24.219685845167	VS	100	1	-46.866907176579	-24.227058649682	VS	100	1
-46.884923889914	-24.237809582053	VS	100	1	-46.82062576729	-24.151617784854	VS	70	1
-46.790646291039	-24.176822110483	VS	100	1	-46.81997521415	-24.151096354484	VS	70	1
-46.785155765119	-24.173023172545	VS	100	1	-46.82021503437	-24.151272967932	VS	70	1
-46.785122616638	-24.175439330932	VS	100	1	-46.819501993294	-24.151072901576	VS	70	1
-46.785004494966	-24.174924858512	VS	100	1	-46.816961388646	-24.15091558916	VS	70	1
-46.78489520009	-24.173212492281	VS	100	1	-46.817650067254	-24.151606172232	VS	70	1
-46.784943034876	-24.175735240739	VS	100	1	-46.817890525177	-24.151809548108	VS	70	1
-46.784839744903	-24.173341252307	VS	100	1	-46.856103422952	-24.215097502107	VS	70	1
-46.8668170679	-24.219194046606	VS	100	1	-46.867189739277	-24.227350871044	VS	100	1
-46.866687467198	-24.219459642918	VS	100	1	-46.867250411457	-24.22760755714	VS	100	1
-46.816622256642	-24.189917771941	VS	100	1	-46.866795932207	-24.227363451445	VS	100	1
-46.816495790014	-24.189024985745	VS	250	2	-46.866767999661	-24.226483526421	VS	100	1
-46.816570636851	-24.190221561626	VS	100	1	-46.86672128486	-24.227201471555	VS	100	1
-46.816464202677	-24.190396277056	VS	100	1	-46.866591341026	-24.227291878961	VS	100	1
-46.816382874556	-24.189210693827	VS	250	2	-46.866546229372	-24.226948698419	VS	100	1
-46.816396523269	-24.187637852972	VS	100	1	-46.866533013669	-24.226642279359	VS	100	1
-46.81620962119	-24.189536843548	VS	250	2	-46.81711941184	-24.151173025426	VS	70	1
-46.866943156639	-24.218276076006	VS	70	1	-46.82000419438	-24.151490302521	VS	70	1
-46.867074928547	-24.225245489303	VS	100	1	-46.820455332764	-24.151480158531	VS	100	1
-46.866973104586	-24.226557420696	VS	100	1	-46.819784005537	-24.151724032795	VS	70	1
-46.867117372927	-24.226910041737	VS	100	1	-46.819993289418	-24.152336563085	VS	100	1
-46.866900368604	-24.222362202794	VS	70	1	-46.823297177987	-24.195015827303	VS	250	1
-46.866699756191	-24.218447179978	VS	70	1	-46.823159902692	-24.195262253208	VS	250	1
-46.866824032748	-24.223503877536	VS	70	1	-46.822949939142	-24.195580984216	VS	250	1
-46.866812891639	-24.224924000296	VS	100	1	-46.822763680593	-24.195894054499	VS	250	1
-46.866182602038	-24.220635270122	VS	100	1	-46.822577384475	-24.196209449549	VS	250	1
-46.816079670358	-24.189267515439	VS	100	1	-46.822390855372	-24.196531951505	VS	250	1
-46.815986755837	-24.18983669056	VS	250	2	-46.822224127457	-24.196802776138	VS	250	1
-46.815866882203	-24.188992528442	VS	100	1	-46.822059759099	-24.197080787964	VS	250	1
-46.814933438535	-24.150627378056	VS	70	1	-46.866516016355	-24.229729173788	VS	100	1
-46.815844201085	-24.19002492797	VS	250	2	-46.866427454108	-24.227408817845	VS	100	1
-46.78484162333	-24.176228460644	VS	100	1	-46.866349893951	-24.227006455158	VS	100	1
-46.784743667502	-24.175105289743	VS	100	1	-46.866352474481	-24.22850871934	VS	100	1
-46.784795222923	-24.175964880762	VS	100	1	-46.866262842494	-24.226840729591	VS	100	1
-46.815873135149	-24.190327839884	VS	100	1	-46.86629650147	-24.229588138507	VS	70	1
-46.815746215366	-24.187580743914	VS	100	1	-46.866221794305	-24.227159314465	VS	100	1
-46.815725692712	-24.189456313475	VS	100	1	-46.866058700781	-24.227268439315	VS	100	1
-46.815663953612	-24.188717523859	VS	100	1	-46.82151964235	-24.185478542042	VS	100	1
-46.815590023477	-24.190279843066	VS	250	1	-46.82090465	-24.183256923167	VS	100	1
-46.815434135458	-24.189370568877	VS	100	1	-46.821257515169	-24.183772582356	VS	100	1
-46.784573149479	-24.173427679029	VS	100	1	-46.821124759106	-24.18343357729	VS	100	1
-46.78454126046	-24.173182739873	VS	100	1	-46.821176250932	-24.185272392423	VS	100	1
-46.784630060996	-24.176227795036	VS	100	1	-46.821016401294	-24.183952881704	VS	100	1
-46.784583087908	-24.176087660819	VS	100	1	-46.820785078974	-24.184115011733	VS	100	1
-46.77822833108	-24.174774656209	VS	70	1	-46.820793796854	-24.185033892846	VS	100	1
-46.777789704539	-24.175098117679	VS	70	1	-46.820694052461	-24.182813502685	VS	100	1
-46.879099603628	-24.224500974014	VS	70	1	-46.820673946425	-24.183053470769	VS	100	1
-46.765930710108	-24.161628853294	VS	70	1	-46.820517379103	-24.184293173544	VS	100	1
-46.766181432954	-24.161439644588	VS	70	1	-46.820471599187	-24.184115175381	VS	100	1
-46.866834501173	-24.226710112243	VS	100	1	-46.866103254132	-24.227642215142	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.866753302911	-24.225046471856	VS	100	1	-46.8660095622	-24.227015763412	VS	100	1
-46.866711412159	-24.222265549165	VS	70	1	-46.865937663481	-24.227754652986	VS	100	1
-46.784364190424	-24.175964376036	VS	100	1	-46.865915375792	-24.228471061715	VS	100	1
-46.784319186436	-24.175411700073	VS	100	1	-46.865897517393	-24.227379599508	VS	100	1
-46.784163194795	-24.175858536375	VS	100	1	-46.865947135214	-24.229358889429	VS	100	1
-46.784112249821	-24.17529678836	VS	100	1	-46.865822944544	-24.227145743106	VS	100	1
-46.783805242353	-24.16932579143	VS	100	1	-46.865832796387	-24.2278266361	VS	100	1
-46.784081149565	-24.175576514759	VS	100	1	-46.865740707657	-24.227488065371	VS	100	1
-46.767111087852	-24.160771060514	VS	70	1	-46.820465359555	-24.18484904263	VS	100	1
-46.766808792851	-24.160997992293	VS	70	1	-46.820404008108	-24.182850356115	VS	100	1
-46.766500025556	-24.161223309936	VS	70	1	-46.82039504554	-24.183020792104	VS	100	1
-46.76400047647	-24.163016972919	VS	100	1	-46.820252655686	-24.183991945113	VS	100	1
-46.815449225308	-24.18963422316	VS	100	1	-46.820201756086	-24.183156232599	VS	100	1
-46.815231599006	-24.189113354031	VS	100	1	-46.820143728633	-24.182620836985	VS	100	1
-46.814970538944	-24.187653440208	VS	100	1	-46.820146524641	-24.184655187085	VS	100	1
-46.81526204796	-24.194476465431	VS	100	1	-46.819993540633	-24.183833296278	VS	100	1
-46.815099699195	-24.188935907572	VS	100	1	-46.819960002107	-24.183309771171	VS	100	1
-46.815170175083	-24.191289372642	VS	100	1	-46.819973946263	-24.184553777291	VS	100	1
-46.815040612085	-24.187526069395	VS	100	1	-46.819862884075	-24.182390581362	VS	100	1
-46.763720517327	-24.163215308138	VS	70	1	-46.819814886678	-24.182665405348	VS	100	1
-46.763469571512	-24.163395589342	VS	70	1	-46.865662801424	-24.228415944814	VS	100	1
-46.763228087555	-24.163566955449	VS	70	1	-46.865667830959	-24.229182632142	VS	100	1
-46.762957935021	-24.163765219245	VS	70	1	-46.86570345179	-24.227739509276	VS	100	1
-46.762677797245	-24.163963561086	VS	70	1	-46.865557996719	-24.227337057737	VS	100	1
-46.776194037504	-24.156503122808	VS	70	1	-46.865508175918	-24.228062328624	VS	100	1
-46.769619147985	-24.166508915152	VS	70	1	-46.865432944798	-24.227726046682	VS	100	1
-46.783994686357	-24.173822353499	VS	100	1	-46.865336442883	-24.227493541094	VS	100	1
-46.784011229061	-24.174851985009	VS	100	1	-46.865356736759	-24.229114976826	VS	100	1
-46.783805516855	-24.176114467675	VS	100	1	-46.865311214991	-24.228192846571	VS	100	1
-46.783808293233	-24.174987325366	VS	100	1	-46.865226058442	-24.227797769565	VS	100	1
-46.769899047716	-24.166310603245	VS	70	1	-46.865191384633	-24.226088340031	VS	100	1
-46.77017900641	-24.166112265312	VS	70	1	-46.819744495795	-24.18368351593	VS	100	1
-46.770478179539	-24.165895924347	VS	70	1	-46.819740033329	-24.183462212675	VS	100	1
-46.770787049871	-24.165679599581	VS	70	1	-46.819723954813	-24.184401644635	VS	100	1
-46.794116827555	-24.180869035341	VS	100	1	-46.819525128624	-24.182863921945	VS	100	1
-46.781801636334	-24.169117900339	VS	70	1	-46.819424045769	-24.183485665909	VS	100	1
-46.756956352174	-24.156999050111	VS	100	1	-46.819458931296	-24.184240939211	VS	100	1
-46.783784586863	-24.175129856649	VS	100	1	-46.819429880388	-24.183688100245	VS	100	1
-46.783594210365	-24.175932852963	VS	100	1	-46.819235579685	-24.183071360459	VS	100	1
-46.783555910406	-24.175006669742	VS	100	1	-46.819147788429	-24.183319611641	VS	100	1
-46.783395665151	-24.169601248124	VS	100	1	-46.819183535845	-24.184066199052	VS	100	1
-46.783144466556	-24.169781736912	VS	100	1	-46.81893538599	-24.183270364421	VS	100	1
-46.783247826296	-24.174848357433	VS	100	1	-46.865117948279	-24.228975615717	VS	100	1
-46.814976570039	-24.189985811445	VS	100	1	-46.865176084312	-24.228288827781	VS	100	1
-46.814825768712	-24.190686658016	VS	250	2	-46.86506060476	-24.22789986834	VS	100	1
-46.81480786032	-24.189866127314	VS	100	1	-46.865036629379	-24.227707033032	VS	100	1
-46.814921129941	-24.194733996117	VS	100	1	-46.864969231511	-24.226250342768	VS	100	1
-46.814768250589	-24.187706877061	VS	100	1	-46.864935391636	-24.228063110478	VS	100	1
-46.814650252367	-24.18750440578	VS	70	1	-46.864881682433	-24.22848693127	VS	100	1
-46.814753365275	-24.19018077319	VS	100	1	-46.864940944226	-24.228855138469	VS	100	1
-46.783058755408	-24.177214256342	VS	100	1	-46.864766493948	-24.227905454004	VS	100	1
-46.782855003499	-24.169989032925	VS	100	1	-46.864718263563	-24.226430783953	VS	100	1
-46.814551115243	-24.188705526648	VS	100	1	-46.864696027713	-24.228719838718	VS	100	1
-46.814876701393	-24.188643192775	VS	100	1	-46.864712437809	-24.228608004932	VS	100	1
-46.870597263079	-24.22695789468	VS	70	1	-46.864484838087	-24.228596627581	VS	100	1
-46.845280323707	-24.203403286292	VS	70	1	-46.818891565773	-24.183897629865	VS	100	1
-46.845093872923	-24.203690416777	VS	70	1	-46.818646417716	-24.183477420844	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.84491605422	-24.203986257974	VS	70	1	-46.818612639479	-24.183730239036	VS	100	1
-46.814625386596	-24.189626602898	VS	100	1	-46.817788811714	-24.175802504469	VS	70	1
-46.814662690317	-24.194602123564	VS	100	1	-46.818350409815	-24.175525300527	VS	70	1
-46.814567224503	-24.189965022075	VS	100	1	-46.815345590214	-24.176518568379	VS	100	1
-46.814642910623	-24.194386692977	VS	100	1	-46.819156474256	-24.176746759342	VS	70	1
-46.814511768365	-24.190812033963	VS	250	2	-46.819426006498	-24.17693208396	VS	70	1
-46.814422566433	-24.189360372354	VS	100	1	-46.818897020455	-24.176570339471	VS	70	1
-46.814406081175	-24.187483083846	VS	100	1	-46.818637319303	-24.176384959547	VS	70	1
-46.782695153952	-24.170185962371	VS	70	1	-46.818347804756	-24.176190754053	VS	70	1
-46.781312525299	-24.114819511517	VS	100	1	-46.818073159897	-24.175997768045	VS	70	1
-46.782558940495	-24.170194693915	VS	100	1	-46.817518643649	-24.17562054998	VS	70	1
-46.816688277172	-24.19248356929	VS	100	1	-46.834402402671	-24.206418001213	VS	100	1
-46.875198625615	-24.225103566665	VS	100	1	-46.864486492837	-24.228103975623	VS	100	1
-46.874948689557	-24.22527960958	VS	100	1	-46.864081015221	-24.226881986967	VS	100	1
-46.904462979476	-24.228139376995	VS	100	1	-46.863771996738	-24.227098579914	VS	100	1
-46.821442629781	-24.180468506022	VS	70	1	-46.863424558526	-24.227351174506	VS	100	1
-46.818765376027	-24.193395499608	VS	70	1	-46.863118151558	-24.227695399743	VS	100	1
-46.854069107155	-24.210003157664	VS	70	1	-46.863091749267	-24.227585232075	VS	100	1
-46.854575403168	-24.210572533171	VS	70	1	-46.862868697848	-24.22754549377	VS	70	1
-46.814505080384	-24.194649935831	VS	100	1	-46.865720069203	-24.226431799529	VS	70	1
-46.81429449999	-24.190056325803	VS	100	1	-46.865411053894	-24.226648405356	VS	70	1
-46.814355139368	-24.194452995297	VS	100	1	-46.865121454662	-24.226855927243	VS	70	1
-46.814286226126	-24.193510383124	VS	100	1	-46.864841244103	-24.227045517978	VS	70	1
-46.8542763327	-24.210789173232	VS	70	1	-46.817235129025	-24.175433522013	VS	70	1
-46.853769611157	-24.210202014146	VS	70	1	-46.816920728743	-24.175220255859	VS	100	1
-46.814129452768	-24.187603780697	VS	100	1	-46.816751085376	-24.175105553932	VS	70	1
-46.814176245235	-24.190616858687	VS	100	1	-46.816445476571	-24.175250021423	VS	70	1
-46.814139446412	-24.190914770476	VS	250	2	-46.816091067227	-24.175506315567	VS	70	1
-46.814141808046	-24.193784236538	VS	100	1	-46.815727068232	-24.175774237202	VS	70	1
-46.814021307939	-24.190138771476	VS	100	1	-46.815417900892	-24.175992670751	VS	70	1
-46.782478391908	-24.169924686466	VS	70	1	-46.816450090581	-24.175492452854	VS	70	1
-46.781113862949	-24.115086616032	VS	100	1	-46.81722833973	-24.176012937515	VS	70	1
-46.78249409866	-24.177171258151	VS	100	1	-46.816847443532	-24.1764739078	VS	70	1
-46.782422409287	-24.176879858051	VS	100	1	-46.864580328002	-24.227238301915	VS	70	1
-46.782340501134	-24.176740946214	VS	100	1	-46.864300914957	-24.227442393379	VS	70	1
-46.814077057518	-24.194321275686	VS	100	1	-46.863740922517	-24.227839443631	VS	70	1
-46.814004783979	-24.194056787521	VS	100	1	-46.863489969605	-24.228019873627	VS	70	1
-46.813944184028	-24.190960870582	VS	250	2	-46.863229171085	-24.228200395796	VS	100	1
-46.813934898872	-24.190788230003	VS	250	1	-46.858254182734	-24.218893624581	VS	70	1
-46.782065770878	-24.176925539691	VS	100	1	-46.855226450297	-24.219289763136	VS	70	1
-46.864178648276	-24.212223060916	VS	100	1	-46.854493030581	-24.219812904494	VS	70	1
-46.813876061323	-24.194315619046	VS	100	1	-46.858162395058	-24.218561660011	VS	70	1
-46.813702724089	-24.191037092906	VS	250	2	-46.817445128919	-24.176815159766	VS	70	1
-46.813768048327	-24.19414495019	VS	100	1	-46.817743870596	-24.176991327052	VS	100	1
-46.813704604009	-24.190935715121	VS	250	2	-46.817741540284	-24.176215562849	VS	70	1
-46.813690567753	-24.190239270035	VS	100	1	-46.817903688708	-24.176018023365	VS	70	1
-46.781265317159	-24.175687019475	VS	100	1	-46.818275577009	-24.175560084213	VS	70	1
-46.813761308304	-24.194549409807	VS	100	1	-46.742331037068	-24.148916666224	VS	100	1
-46.813627320299	-24.189776643193	VS	100	1	-46.81844675209	-24.175335843096	VS	70	1
-46.813518713319	-24.186877910104	VS	100	1	-46.823507665472	-24.202497930237	VS	70	1
-46.860797898775	-24.209729803149	VS	70	1	-46.824140219169	-24.202806128356	VS	70	1
-46.813554099149	-24.189288398096	VS	100	1	-46.832770136535	-24.185509839367	VS	70	1
-46.813639460466	-24.194791245781	VS	100	1	-46.858036082889	-24.219206579386	VS	70	1
-46.813420756218	-24.188043863344	VS	100	1	-46.857903381348	-24.218411983734	VS	70	1
-46.813480790189	-24.191199386446	VS	250	2	-46.857824862869	-24.219504997627	VS	70	1
-46.813434285954	-24.189510284062	VS	100	1	-46.857656265575	-24.218329937769	VS	70	1
-46.81352966386	-24.19403076712	VS	100	1	-46.857675318517	-24.219718007812	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.813306000495	-24.18660300371	VS	100	1	-46.818661301944	-24.175741974907	VS	70	1
-46.813306754088	-24.191012358167	VS	250	2	-46.818939866748	-24.175925681892	VS	70	1
-46.813219868504	-24.187776089051	VS	100	1	-46.819219931651	-24.176118256321	VS	70	1
-46.813316441684	-24.191347287908	VS	250	2	-46.819502662714	-24.176311372374	VS	70	1
-46.813254230783	-24.189451180006	VS	100	1	-46.819789225696	-24.176504241595	VS	70	1
-46.813241477436	-24.189244255557	VS	100	1	-46.820050330814	-24.176683103658	VS	70	1
-46.780975736139	-24.175894378867	VS	100	1	-46.820308880005	-24.176868035073	VS	70	1
-46.780656820457	-24.176110958951	VS	100	1	-46.819862959996	-24.175760660281	VS	70	1
-46.780605442393	-24.175390964725	VS	100	1	-46.820142292774	-24.175945892007	VS	70	1
-46.780318113043	-24.175593210214	VS	100	1	-46.820411815997	-24.176131196568	VS	70	1
-46.780087875902	-24.17177049717	VS	100	1	-46.820691504106	-24.176334207777	VS	70	1
-46.860515902993	-24.209929511205	VS	70	1	-46.820970849013	-24.176519447581	VS	70	1
-46.860273662406	-24.210110663392	VS	70	1	-46.857611341852	-24.219580659763	VS	70	1
-46.860014149924	-24.210299369397	VS	100	1	-46.857462049999	-24.218536248805	VS	70	1
-46.813093231978	-24.186328023452	VS	100	1	-46.857485365299	-24.21997809063	VS	70	1
-46.813243393095	-24.194865898777	VS	100	1	-46.857382040128	-24.219439699319	VS	70	1
-46.81301189955	-24.187512690822	VS	100	1	-46.857291158457	-24.218778520861	VS	70	1
-46.813048767211	-24.188986966051	VS	100	1	-46.857254384816	-24.22121426576	VS	70	1
-46.813104928059	-24.191514907432	VS	250	2	-46.857142260187	-24.219298389922	VS	70	1
-46.813145634891	-24.193905119437	VS	100	1	-46.857129150956	-24.218990839253	VS	70	1
-46.812980797224	-24.189606258746	VS	100	1	-46.857113501634	-24.220525162637	VS	70	1
-46.812791255957	-24.18721222166	VS	100	1	-46.85694185973	-24.219256160262	VS	70	1
-46.812854395712	-24.191713107798	VS	250	2	-46.856942805703	-24.220754906626	VS	70	1
-46.812928739266	-24.194709494728	VS	100	1	-46.856939245913	-24.221040120462	VS	70	1
-46.812730069012	-24.189795546168	VS	100	1	-46.856807655135	-24.219479974257	VS	70	1
-46.812845056135	-24.193690192614	VS	100	1	-46.856722567105	-24.221082677362	VS	70	1
-46.78005749588	-24.175782554836	VS	100	1	-46.856655404037	-24.219693639801	VS	70	1
-46.779796938364	-24.175971855495	VS	100	1	-46.856610640087	-24.220846520101	VS	70	1
-46.779676250253	-24.172938908713	VS	100	1	-46.85641930287	-24.220024936037	VS	70	1
-46.908434799816	-24.244930922327	VS	70	1	-46.856313979958	-24.22018690062	VS	70	1
-46.860083031207	-24.21059012691	VS	70	1	-46.821260426211	-24.176722440902	VS	70	1
-46.812569352499	-24.18691243889	VS	100	1	-46.821154920072	-24.175384217572	VS	70	1
-46.778335357318	-24.15034126723	VS	70	1	-46.820880282295	-24.175199648525	VS	70	1
-46.778227090299	-24.150251157116	VS	70	1	-46.820552577413	-24.174974068831	VS	70	1
-46.778714039154	-24.172928143027	VS	100	1	-46.820271245873	-24.174776034493	VS	70	1
-46.8598779954258	-24.210320844314	VS	70	1	-46.819949980164	-24.174553470564	VS	70	1
-46.859760232256	-24.210473133918	VS	100	1	-46.819591761561	-24.174315618968	VS	70	1
-46.859373511263	-24.211623244834	VS	70	1	-46.81931310299	-24.17412310223	VS	70	1
-46.859010206333	-24.211003137981	VS	70	1	-46.815153717325	-24.176357515483	VS	100	1
-46.858990425059	-24.211181139896	VS	70	1	-46.81490943148	-24.176116212762	VS	70	1
-46.812744596104	-24.191874527936	VS	100	1	-46.815638244427	-24.176767853967	VS	70	1
-46.812727119387	-24.19118999792	VS	250	2	-46.815855216143	-24.176950044537	VS	70	1
-46.81268354974	-24.190651132755	VS	100	1	-46.814121851505	-24.176414939895	VS	70	1
-46.812408674565	-24.19445376053	VS	100	1	-46.856185436577	-24.217113755028	VS	70	1
-46.812470411542	-24.188206182592	VS	100	1	-46.856261627579	-24.220644049885	VS	70	1
-46.812339335503	-24.186631474307	VS	100	1	-46.856133703761	-24.220447091853	VS	70	1
-46.812457590598	-24.192621912806	VS	100	1	-46.856218100345	-24.219603062625	VS	70	1
-46.812648374894	-24.189852884379	VS	100	1	-46.856003955708	-24.220638270226	VS	70	1
-46.721135202729	-24.145134952123	VS	100	1	-46.855963053645	-24.220467901944	VS	70	1
-46.720983684582	-24.145368979027	VS	100	1	-46.855830408733	-24.21937955749	VS	70	1
-46.721006260515	-24.147599239966	VS	100	1	-46.855840490332	-24.220873881071	VS	70	1
-46.720942219411	-24.147367570128	VS	100	1	-46.855702560257	-24.219683229265	VS	70	1
-46.720865050318	-24.14627124777	VS	100	1	-46.855759506759	-24.220347089218	VS	70	1
-46.720877505598	-24.145004800503	VS	100	1	-46.855615932794	-24.217519732928	VS	70	1
-46.720736577511	-24.146138035895	VS	100	1	-46.855649625695	-24.221137948362	VS	70	1
-46.77841966	-24.166715062631	VS	100	1	-46.81435480876	-24.176604685507	VS	70	1
-46.778420768922	-24.173514820954	VS	150	1	-46.814543266313	-24.176763463572	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.778156887973	-24.173409015434	VS	150	1	-46.821304878346	-24.183574962425	VS	100	1
-46.778114908237	-24.174114284671	VS	250	1	-46.821319034043	-24.182588340429	VS	100	1
-46.778063418571	-24.178239472862	VS	250	1	-46.814491130155	-24.176271038292	VS	70	1
-46.777992858154	-24.174944706693	VS	100	1	-46.812858375371	-24.176961638661	VS	70	1
-46.777904803306	-24.174099955624	VS	100	1	-46.816202128768	-24.17607722178	VS	70	1
-46.777825693045	-24.173979818191	VS	250	1	-46.816527853744	-24.176279269306	VS	70	1
-46.812227334669	-24.186484686896	VS	100	1	-46.817125396513	-24.176635367765	VS	70	1
-46.812401890875	-24.192056693799	VS	250	2	-46.816220687658	-24.175333750886	VS	70	1
-46.81240592881	-24.191663114641	VS	100	1	-46.855569719665	-24.21987155499	VS	70	1
-46.812361358032	-24.190453255258	VS	100	1	-46.855561519676	-24.22023310888	VS	70	1
-46.812257279993	-24.187913447715	VS	100	1	-46.855429403869	-24.219154327096	VS	70	1
-46.816226697744	-24.194550934621	VS	100	1	-46.855332528549	-24.220212421785	VS	70	1
-46.816172176845	-24.191416871064	VS	100	1	-46.855216636861	-24.21773725653	VS	70	1
-46.816073235697	-24.190926458246	VS	100	1	-46.855235933612	-24.220045358697	VS	70	1
-46.816085904499	-24.192353539479	VS	100	1	-46.855199417437	-24.218773467462	VS	70	1
-46.816045953751	-24.191819001744	VS	100	1	-46.855114892862	-24.220525627425	VS	70	1
-46.720703684932	-24.145567248573	VS	100	1	-46.855015575276	-24.218684513784	VS	100	1
-46.720616825167	-24.1461480779	VS	100	1	-46.855007712052	-24.218552229265	VS	70	1
-46.720669430437	-24.144924481251	VS	100	1	-46.854985358869	-24.219461035495	VS	70	1
-46.720596620325	-24.146861545686	VS	100	1	-46.742388557496	-24.154608250691	VS	70	1
-46.720414284774	-24.145142560753	VS	100	1	-46.872946051727	-24.225936360832	VS	70	1
-46.777396792463	-24.175213456484	VS	100	1	-46.873258885913	-24.225721058909	VS	70	1
-46.77734674946	-24.176989627547	VS	100	1	-46.791017492709	-24.176569447766	VS	100	1
-46.777535019957	-24.173855615713	VS	250	1	-46.790731583082	-24.176852048416	VS	100	1
-46.777342955577	-24.177869146429	VS	250	1	-46.791197827038	-24.175955022252	VS	100	1
-46.777144705219	-24.174662114489	VS	100	1	-46.791173734476	-24.175580363057	VS	100	1
-46.777157634036	-24.175063544822	VS	100	1	-46.900978735706	-24.225763537577	VS	70	1
-46.777131934443	-24.177757520039	VS	250	1	-46.901190751999	-24.226002577545	VS	70	1
-46.776794141617	-24.177580546513	VS	250	1	-46.814879949947	-24.193915854693	VS	100	1
-46.77656846548	-24.173444905848	VS	100	1	-46.814767360553	-24.194130736396	VS	100	1
-46.861136035839	-24.226128825459	VS	100	1	-46.814709628469	-24.194039232002	VS	100	1
-46.8611041119876	-24.226479573982	VS	100	1	-46.814571947749	-24.193957627586	VS	100	1
-46.858726419764	-24.207690596636	VS	70	1	-46.815054393912	-24.193274614326	VS	100	1
-46.858463498948	-24.20753011479	VS	70	1	-46.81531262198	-24.193397563361	VS	100	1
-46.858508271805	-24.211364068171	VS	70	1	-46.814696741509	-24.193098900266	VS	100	1
-46.858256151559	-24.211536237693	VS	70	1	-46.815416596201	-24.194179231516	VS	100	1
-46.76574647735	-24.169987249721	VS	70	1	-46.815095732399	-24.193485444752	VS	100	1
-46.720413970397	-24.145774575398	VS	100	1	-46.814992883008	-24.19370036923	VS	100	1
-46.720420524552	-24.147728211898	VS	100	1	-46.74997913474	-24.164539152796	VS	100	1
-46.815880819373	-24.190864131954	VS	100	1	-46.850399050558	-24.209036504239	VS	100	1
-46.815826841175	-24.19135699335	VS	100	1	-46.88252267579	-24.213501745246	VS	100	1
-46.815767542867	-24.190791638954	VS	100	1	-46.788519822039	-24.177864620684	VS	100	1
-46.815782732127	-24.191034820735	VS	100	1	-46.78837664224	-24.1779286469	VS	100	1
-46.815743173532	-24.192175704853	VS	100	1	-46.788265961264	-24.177837265873	VS	100	1
-46.860912986665	-24.226353884297	VS	100	1	-46.788192787108	-24.177650390818	VS	100	1
-46.860923568854	-24.226268472568	VS	100	1	-46.787833467084	-24.177498413352	VS	100	1
-46.776419714472	-24.16601258878	VS	100	1	-46.90710415526	-24.22810724731	VS	100	1
-46.776458886929	-24.177395474559	VS	250	1	-46.85065839423	-24.209006037196	VS	100	1
-46.857965843136	-24.209149275451	VS	70	1	-46.850894544356	-24.209278152729	VS	100	1
-46.857995397201	-24.211884241513	VS	100	1	-46.861202372442	-24.210185505396	VS	70	1
-46.857721455767	-24.209922788705	VS	70	1	-46.860970849715	-24.210356870227	VS	70	1
-46.857734106531	-24.209311712136	VS	70	1	-46.860755087978	-24.210518421128	VS	70	1
-46.815740536955	-24.191776720683	VS	100	1	-46.874610661501	-24.224793242472	VS	70	1
-46.815570546358	-24.190432506807	VS	250	2	-46.874369522288	-24.224973634641	VS	100	1
-46.815523802632	-24.190648668471	VS	100	1	-46.874108966353	-24.225163101764	VS	100	1
-46.857516127686	-24.209668571569	VS	70	1	-46.852059599075	-24.207854444119	VS	100	1
-46.857500798165	-24.209484113656	VS	70	1	-46.776705263171	-24.168125157442	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.857513875241	-24.212067895648	VS	70	1	-46.777225076078	-24.168513789466	VS	100	1
-46.857403619786	-24.208560146823	VS	70	1	-46.77690270529	-24.168737272407	VS	100	1
-46.857297569678	-24.209418565082	VS	70	1	-46.776606924023	-24.1689467605	VS	100	1
-46.85724197023	-24.20967256276	VS	100	1	-46.851789987885	-24.208026098572	VS	100	1
-46.857151009672	-24.208267674743	VS	70	1	-46.852339566351	-24.207655941676	VS	100	1
-46.857177507934	-24.210433322285	VS	100	1	-46.852640277654	-24.207433398998	VS	100	1
-46.857094370936	-24.209169373518	VS	70	1	-46.850717528936	-24.208801936406	VS	100	1
-46.85707044567	-24.211110674559	VS	70	1	-46.921745079942	-24.211614407804	VS	70	1
-46.856990927779	-24.209844002359	VS	100	1	-46.921438027052	-24.211838633925	VS	70	1
-46.812339237913	-24.192573620622	VS	100	1	-46.921146768305	-24.212072534144	VS	70	1
-46.812262558433	-24.194776954174	VS	100	1	-46.920796072505	-24.212332196116	VS	70	1
-46.812160007638	-24.192235908835	VS	250	2	-46.920438066332	-24.212575962827	VS	70	1
-46.812096799707	-24.191469085052	VS	100	1	-46.920167853056	-24.212771950905	VS	70	1
-46.812089969497	-24.192414903936	VS	100	1	-46.91985831846	-24.21299736897	VS	70	1
-46.812050168823	-24.19031597865	VS	100	1	-46.923748818784	-24.210120158252	VS	70	1
-46.811947792537	-24.192389126668	VS	250	2	-46.923339860665	-24.210420337882	VS	70	1
-46.815492000449	-24.191314939581	VS	100	1	-46.783799927181	-24.17568171089	VS	70	1
-46.815481419153	-24.191162044262	VS	100	1	-46.717962838111	-24.146457032949	VS	100	1
-46.720266690078	-24.144700561951	VS	100	1	-46.723439068971	-24.150612789563	VS	100	1
-46.720325918667	-24.147051032964	VS	100	1	-46.723665561148	-24.15043632719	VS	100	1
-46.720101968231	-24.145362152983	VS	100	1	-46.905120568535	-24.247084585914	VS	100	1
-46.720106680982	-24.147051076529	VS	100	1	-46.905439687768	-24.247099022051	VS	100	1
-46.72004255439	-24.144617843496	VS	100	1	-46.777337633826	-24.180784859669	VS	100	1
-46.719907195488	-24.145501511359	VS	100	1	-46.899719073349	-24.227153552747	VS	70	1
-46.719890523055	-24.144778876282	VS	100	1	-46.905292945926	-24.245972235715	VS	100	1
-46.85686501461	-24.211045074161	VS	70	1	-46.905684236486	-24.246923604254	VS	100	1
-46.856788436275	-24.209997289129	VS	100	1	-46.905931914505	-24.246747485881	VS	100	1
-46.856800760975	-24.211308816703	VS	70	1	-46.906154157168	-24.246586532766	VS	100	1
-46.856632473393	-24.210770287594	VS	70	1	-46.906364717181	-24.246436913912	VS	100	1
-46.8565556626241	-24.210159775769	VS	100	1	-46.906657188974	-24.246228197925	VS	100	1
-46.856430715688	-24.210531530092	VS	70	1	-46.818829411232	-24.185699608938	VS	70	1
-46.719918611603	-24.148088622986	VS	100	1	-46.818962495092	-24.185991696295	VS	100	1
-46.815425548248	-24.191743426152	VS	100	1	-46.819092612536	-24.186308730513	VS	100	1
-46.815246182406	-24.190771241805	VS	100	1	-46.819203372583	-24.18660426164	VS	100	1
-46.81485564492	-24.177020226198	VS	70	1	-46.782398864743	-24.155488804265	VS	70	1
-46.815216360102	-24.190525322484	VS	250	2	-46.782191123329	-24.155269667397	VS	70	1
-46.815110506442	-24.191701239778	VS	100	1	-46.907542822568	-24.245583242233	VS	100	1
-46.815040880831	-24.191808517054	VS	100	1	-46.906955709968	-24.24600989728	VS	100	1
-46.773792647194	-24.157475654709	VS	70	1	-46.907014871318	-24.245774831762	VS	100	1
-46.773666759732	-24.154558460503	VS	70	1	-46.907251715856	-24.245801617785	VS	100	1
-46.856198780793	-24.210274801128	VS	100	1	-46.788811422951	-24.156506639548	VS	100	1
-46.856031786915	-24.209079805338	VS	70	1	-46.788962501842	-24.156722507218	VS	100	1
-46.85594578329	-24.209999149813	VS	70	1	-46.789083128438	-24.155911220946	VS	100	1
-46.855795054724	-24.208623803057	VS	70	1	-46.788920677206	-24.155662870737	VS	100	1
-46.855776858154	-24.208783427084	VS	70	1	-46.788772122881	-24.155434189401	VS	100	1
-46.855676223459	-24.209717393617	VS	70	1	-46.899566955444	-24.232087707699	VS	100	1
-46.855472132259	-24.20948582969	VS	70	1	-46.899217902836	-24.231876344773	VS	100	1
-46.855216084062	-24.20903287967	VS	70	1	-46.899927737341	-24.231433379101	VS	100	1
-46.855207774876	-24.209190419781	VS	70	1	-46.900178665867	-24.231252874096	VS	100	1
-46.855144840459	-24.210166409967	VS	70	1	-46.900441283605	-24.231061061527	VS	100	1
-46.853877662493	-24.160698388237	VS	70	1	-46.899435868705	-24.231803258964	VS	100	1
-46.855001345934	-24.209168185348	VS	70	1	-46.899194880332	-24.231974527251	VS	100	1
-46.85490249129	-24.209891696578	VS	70	1	-46.906177114657	-24.231706310172	VS	100	1
-46.854666992111	-24.209413519385	VS	70	1	-46.905964380865	-24.231474983221	VS	100	1
-46.814964372735	-24.190889362657	VS	100	1	-46.906210173953	-24.232677706312	VS	70	1
-46.719785932294	-24.143754086382	VS	100	1	-46.905422509566	-24.231809526653	VS	70	1
-46.719865370874	-24.146919102388	VS	100	1	-46.905200284434	-24.231561451617	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.719829463385	-24.146795684512	VS	100	1	-46.904958024925	-24.231295768028	VS	70	1
-46.719705604854	-24.144437962434	VS	100	1	-46.904756117516	-24.231074334104	VS	70	1
-46.71966757929	-24.148268861715	VS	100	1	-46.905328162	-24.233559339394	VS	70	1
-46.719635286104	-24.14860772101	VS	100	1	-46.905086057938	-24.233302505112	VS	70	1
-46.71930095502	-24.146636834737	VS	100	1	-46.76925324363	-24.157277212029	VS	100	1
-46.719530625549	-24.147020729246	VS	100	1	-46.765649607098	-24.158347237966	VS	70	1
-46.719305003287	-24.144233078106	VS	100	1	-46.765973640128	-24.157914734462	VS	70	1
-46.719447888747	-24.14768152103	VS	100	1	-46.770798751796	-24.156724472092	VS	70	1
-46.719344210587	-24.145443286572	VS	100	1	-46.84891641651	-24.213387252202	VS	70	1
-46.773348927985	-24.154400206726	VS	70	1	-46.811872077507	-24.187407780606	VS	70	1
-46.773120561249	-24.153036922227	VS	70	1	-46.812060275932	-24.187659239853	VS	100	1
-46.816906802695	-24.193546016049	VS	100	1	-46.828058815501	-24.19149480168	VS	70	1
-46.773051003721	-24.154241954855	VS	70	1	-46.827746734195	-24.192007580026	VS	70	1
-46.816443665634	-24.193304311642	VS	100	1	-46.827905261761	-24.191730535738	VS	70	1
-46.816221068887	-24.19320324331	VS	100	1	-46.815658230629	-24.183314886568	VS	100	1
-46.772762608303	-24.154083489095	VS	70	1	-46.815396787905	-24.18335074936	VS	100	1
-46.815903225936	-24.193045152949	VS	100	1	-46.81543698083	-24.183634541357	VS	100	1
-46.77265831555	-24.153415013638	VS	100	1	-46.815107838167	-24.183174493873	VS	100	1
-46.81607266155	-24.19288053764	VS	100	1	-46.815237884856	-24.183921346609	VS	100	1
-46.854638813744	-24.209597476376	VS	70	1	-46.81499932534	-24.183960686849	VS	100	1
-46.854427035568	-24.209595291697	VS	70	1	-46.809509819617	-24.188472360142	VS	70	1
-46.854333044626	-24.210297827684	VS	70	1	-46.808862991662	-24.188081115019	VS	70	1
-46.854110545031	-24.209819291894	VS	70	1	-46.808510246632	-24.187880820318	VS	70	1
-46.854033620898	-24.210505360262	VS	70	1	-46.81185900064	-24.18963810939	VS	100	1
-46.853937986722	-24.21142771218	VS	70	1	-46.815307581237	-24.184136581005	VS	100	1
-46.811896758212	-24.191776305748	VS	250	2	-46.815057084969	-24.184163737061	VS	100	1
-46.811911563598	-24.194609576181	VS	100	1	-46.814700034292	-24.183784173166	VS	100	1
-46.811936332933	-24.194218127732	VS	100	1	-46.814885967514	-24.184397034915	VS	100	1
-46.81593034381	-24.193179885087	VS	100	1	-46.814705846299	-24.184666130722	VS	100	1
-46.811860419404	-24.192264871093	VS	100	1	-46.814506132785	-24.18493533652	VS	100	1
-46.81167914802	-24.187150141286	VS	100	1	-46.781740993827	-24.11073943807	VS	100	1
-46.811746382201	-24.190543726304	VS	100	1	-46.896126604558	-24.223768310209	VS	70	1
-46.811758993296	-24.19126267103	VS	100	1	-46.89633875039	-24.224007512481	VS	70	1
-46.815664802218	-24.192930954144	VS	100	1	-46.896581006337	-24.224273251632	VS	70	1
-46.811526336594	-24.186919319517	VS	100	1	-46.896810540427	-24.224533480593	VS	70	1
-46.815801102242	-24.193638173862	VS	100	1	-46.734727728474	-24.154093703726	VS	100	1
-46.719320756204	-24.145175451728	VS	100	1	-46.789218698207	-24.180707813828	VS	100	1
-46.719331154609	-24.148461323212	VS	100	1	-46.863267797086	-24.213627407243	VS	70	1
-46.719230905084	-24.147219198571	VS	100	1	-46.863271907547	-24.213894844012	VS	70	1
-46.718973397106	-24.144045051739	VS	100	1	-46.752007098604	-24.156659258472	VS	70	1
-46.772464367321	-24.15392505614	VS	70	1	-46.749613188772	-24.165458577851	VS	100	1
-46.779011870458	-24.180085307752	VS	250	1	-46.74934282988	-24.165313643848	VS	100	1
-46.772473687788	-24.166227788525	VS	100	1	-46.749082475428	-24.165161875527	VS	100	1
-46.772321434261	-24.160002536084	VS	100	1	-46.748843144654	-24.165012632121	VS	100	1
-46.772156356978	-24.153766730176	VS	70	1	-46.813500537414	-24.177695430537	VS	70	1
-46.772041492881	-24.160200889394	VS	100	1	-46.813847888769	-24.177808856631	VS	70	1
-46.77185808787	-24.153608304421	VS	70	1	-46.823194433804	-24.196457148585	VS	100	1
-46.853810627261	-24.210027234412	VS	70	1	-46.751909318023	-24.160272988931	VS	100	1
-46.85370652132	-24.211194840552	VS	70	1	-46.880165678044	-24.208675141691	VS	70	1
-46.853563956782	-24.210187390402	VS	70	1	-46.867618737789	-24.212178620427	VS	70	1
-46.852244636458	-24.159527700723	VS	100	1	-46.87927729493	-24.209298065538	VS	70	1
-46.853463941972	-24.210911210664	VS	70	1	-46.896577216396	-24.236494462283	VS	100	1
-46.811621192829	-24.192115004343	VS	100	1	-46.896428809717	-24.236603359802	VS	100	1
-46.811647578502	-24.194042004202	VS	100	1	-46.897191727256	-24.236896604441	VS	100	1
-46.811619686399	-24.193696160283	VS	100	1	-46.819349714788	-24.199970100166	VS	250	1
-46.718999791751	-24.148310156868	VS	100	1	-46.819185023785	-24.200386422188	VS	70	1
-46.718960919065	-24.147426318984	VS	100	1	-46.819994827596	-24.20006158922	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.718710716274	-24.143916595988	VS	100	1	-46.820165256668	-24.199798127661	VS	250	1
-46.718772294157	-24.14424107199	VS	100	1	-46.820155634372	-24.199589242	VS	250	1
-46.814411028041	-24.192447616189	VS	100	1	-46.820383295585	-24.199478794531	VS	250	1
-46.814185075139	-24.192166124656	VS	100	1	-46.820625389687	-24.199624680557	VS	250	1
-46.814285755403	-24.19166190002	VS	100	1	-46.820558203607	-24.199501316853	VS	250	1
-46.814147005295	-24.191788940475	VS	100	1	-46.820283520955	-24.199922868011	VS	250	1
-46.814295599845	-24.191159981834	VS	100	1	-46.820100056627	-24.200203823187	VS	250	1
-46.771837346306	-24.154830458551	VS	70	1	-46.820095690906	-24.200383527346	VS	250	1
-46.833194730933	-24.188861609123	VS	70	1	-46.819638131785	-24.200128422702	VS	250	1
-46.771931237245	-24.166322401936	VS	100	1	-46.799303935941	-24.161304565986	VS	70	1
-46.771663904756	-24.154118212767	VS	70	1	-46.797752573649	-24.162755574923	VS	70	1
-46.771761556444	-24.160408302951	VS	100	1	-46.797623180332	-24.162519909273	VS	70	1
-46.771510409278	-24.160579677326	VS	100	1	-46.797429708723	-24.162208121529	VS	70	1
-46.771721938045	-24.166467277397	VS	100	1	-46.799823769239	-24.161436903635	VS	70	1
-46.77141436153	-24.166690230394	VS	100	1	-46.799133585227	-24.161718716823	VS	70	1
-46.771139005634	-24.16707607959	VS	100	1	-46.798761015552	-24.16185578515	VS	70	1
-46.771108688779	-24.166909953828	VS	100	1	-46.797259144625	-24.162471491565	VS	70	1
-46.853337703237	-24.20598401228	VS	70	1	-46.797850267533	-24.162236992357	VS	70	1
-46.814143388439	-24.192856375602	VS	100	1	-46.79813506041	-24.162116086264	VS	70	1
-46.813925342896	-24.192618621248	VS	100	1	-46.79793064014	-24.161888574688	VS	70	1
-46.718651944558	-24.147633542142	VS	100	1	-46.882306737118	-24.203473460789	VS	100	1
-46.718508866154	-24.144440578345	VS	100	1	-46.882558073039	-24.203310818138	VS	100	1
-46.718468912796	-24.143799914431	VS	100	1	-46.88282832168	-24.203121294878	VS	100	1
-46.718432322151	-24.144033507817	VS	100	1	-46.883079432224	-24.202949727813	VS	100	1
-46.770859729056	-24.167088734052	VS	100	1	-46.883301531361	-24.202796237548	VS	100	1
-46.770846978525	-24.166949232532	VS	100	1	-46.827396852425	-24.198994537026	VS	70	1
-46.77065753569	-24.162484953116	VS	100	1	-46.906993563598	-24.236497860849	VS	70	1
-46.770702839521	-24.16781526486	VS	70	1	-46.907282777301	-24.236673973649	VS	70	1
-46.770627987949	-24.167251042686	VS	100	1	-46.907571766653	-24.236841153457	VS	70	1
-46.770538941989	-24.166790899429	VS	100	1	-46.90788082997	-24.237026023066	VS	70	1
-46.77048091592	-24.167977503209	VS	70	1	-46.784358370533	-24.169602627629	VS	100	1
-46.770386860238	-24.167431265663	VS	100	1	-46.715869412324	-24.144340698637	VS	100	1
-46.770200726423	-24.168166927423	VS	70	1	-46.715561900229	-24.144563679452	VS	100	1
-46.769850149024	-24.161562559527	VS	100	1	-46.715227388409	-24.144794933443	VS	100	1
-46.769969480387	-24.168337966599	VS	70	1	-46.781338935297	-24.173846418833	VS	70	1
-46.769894351047	-24.167773926013	VS	100	1	-46.781576408247	-24.173819001413	VS	70	1
-46.852929051545	-24.205273335118	VS	100	1	-46.781845409003	-24.174028524837	VS	70	1
-46.851629605506	-24.159967741179	VS	100	1	-46.78134590296	-24.17365300844	VS	70	1
-46.852721112451	-24.205257269304	VS	70	1	-46.781124007834	-24.173488777456	VS	70	1
-46.852723346938	-24.206158468025	VS	70	1	-46.78092009365	-24.173324647861	VS	70	1
-46.718206731425	-24.142944419981	VS	100	1	-46.781573061205	-24.173615613241	VS	70	1
-46.718193397311	-24.144654217979	VS	100	1	-46.781769537878	-24.173389299603	VS	70	1
-46.718146264183	-24.14364588226	VS	100	1	-46.781985956176	-24.173156325596	VS	70	1
-46.718041406433	-24.142070768071	VS	100	1	-46.781675473788	-24.173097324587	VS	70	1
-46.813998300364	-24.19207463118	VS	100	1	-46.781429260075	-24.173345790866	VS	70	1
-46.813955815134	-24.191815966524	VS	100	1	-46.782005043737	-24.173684301217	VS	70	1
-46.814071994515	-24.193639295571	VS	100	1	-46.782212442399	-24.173420234192	VS	70	1
-46.813912776691	-24.193025454153	VS	100	1	-46.781962125588	-24.173041986069	VS	70	1
-46.813890400389	-24.191618890129	VS	100	1	-46.781288796494	-24.172382148283	VS	70	1
-46.769643261543	-24.167954312571	VS	100	1	-46.782236147925	-24.172908473344	VS	70	1
-46.76934868535	-24.166707389487	VS	100	1	-46.782460353697	-24.17266874507	VS	70	1
-46.7690643717	-24.1669048112	VS	100	1	-46.782948528535	-24.172907833393	VS	70	1
-46.768985401427	-24.164424068348	VS	100	1	-46.782699288344	-24.172695676853	VS	70	1
-46.769003569827	-24.16015179736	VS	70	1	-46.782439291625	-24.172483717852	VS	70	1
-46.768737822894	-24.164002055508	VS	100	1	-46.800107495745	-24.157046769684	VS	70	1
-46.768588034494	-24.158917499146	VS	100	1	-46.799798568071	-24.157263241767	VS	70	1
-46.768317743346	-24.159106818213	VS	70	1	-46.799479840115	-24.157479794437	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.768268990616	-24.157998327068	VS	100	1	-46.799171128761	-24.157705196672	VS	70	1
-46.768424831064	-24.164221534308	VS	100	1	-46.798086819382	-24.156881169552	VS	70	1
-46.768066811782	-24.159287109093	VS	100	1	-46.797855148837	-24.157362779145	VS	70	1
-46.768104071855	-24.164446476308	VS	100	1	-46.79818456018	-24.157498548964	VS	70	1
-46.811508954853	-24.190260842996	VS	100	1	-46.797952847962	-24.157651872211	VS	70	1
-46.811578049659	-24.194434870936	VS	100	1	-46.798138053875	-24.157699735002	VS	70	1
-46.811466834252	-24.190759996014	VS	100	1	-46.797711553767	-24.15782321481	VS	70	1
-46.811448565377	-24.191063339261	VS	100	1	-46.797450839894	-24.158003632001	VS	70	1
-46.811392206626	-24.191982919128	VS	100	1	-46.79906647445	-24.158378400571	VS	70	1
-46.811375157169	-24.192137217345	VS	250	2	-46.799333389128	-24.158197935075	VS	70	1
-46.811377753489	-24.193889373974	VS	100	1	-46.798546732208	-24.158852425741	VS	70	1
-46.811168252133	-24.190994133588	VS	100	1	-46.797976011197	-24.1593203449	VS	70	1
-46.813938672683	-24.191311592994	VS	100	1	-46.797873529906	-24.159467964854	VS	70	1
-46.813754214796	-24.192487770507	VS	100	1	-46.798393631005	-24.159636223997	VS	70	1
-46.813777688476	-24.191945159935	VS	100	1	-46.798682538408	-24.159428534836	VS	70	1
-46.718016359113	-24.143647586515	VS	100	1	-46.798999830939	-24.159183716299	VS	70	1
-46.717879042469	-24.142777227864	VS	100	1	-46.799465559511	-24.158855735443	VS	70	1
-46.717890017389	-24.144418219145	VS	100	1	-46.799772617034	-24.158627807897	VS	70	1
-46.717688361527	-24.143890785668	VS	100	1	-46.800075961995	-24.158400994369	VS	70	1
-46.7176262089	-24.142359144478	VS	100	1	-46.800367445739	-24.158161879974	VS	70	1
-46.717580949363	-24.142618737254	VS	100	1	-46.799437132419	-24.159160462975	VS	70	1
-46.767818775334	-24.158908457469	VS	100	1	-46.799615440832	-24.159297481237	VS	70	1
-46.767816096256	-24.159476312912	VS	70	1	-46.799805676326	-24.15931489019	VS	70	1
-46.767789838597	-24.164668668809	VS	100	1	-46.800131908117	-24.159104882382	VS	70	1
-46.76752608439	-24.158530016135	VS	100	1	-46.823956940591	-24.181272834406	VS	100	1
-46.717585689704	-24.143347373526	VS	100	1	-46.783951588912	-24.167789676366	VS	70	1
-46.813685535976	-24.193187610628	VS	100	1	-46.783317584273	-24.168185184115	VS	70	1
-46.813756149297	-24.193445732968	VS	100	1	-46.814372117254	-24.185118353158	VS	100	1
-46.813567892022	-24.191421844519	VS	100	1	-46.878864511701	-24.223463138239	VS	70	1
-46.813546537353	-24.192164739616	VS	100	1	-46.873311488136	-24.228938065591	VS	70	1
-46.813470507007	-24.193416342944	VS	100	1	-46.877487147141	-24.222744860307	VS	70	1
-46.813385911851	-24.193226014419	VS	100	1	-46.877294030377	-24.222880252034	VS	70	1
-46.813315007018	-24.19234509804	VS	100	1	-46.876612629659	-24.222704929451	VS	100	1
-46.813008994148	-24.186203828043	VS	100	1	-46.876308515374	-24.222920359101	VS	100	1
-46.813116797803	-24.193058530497	VS	100	1	-46.800384907193	-24.158922381395	VS	70	1
-46.813078312044	-24.192543904799	VS	100	1	-46.799790672831	-24.159489726827	VS	70	1
-46.767545782942	-24.159665638735	VS	70	1	-46.800486348362	-24.159677931727	VS	70	1
-46.767497394714	-24.158742483238	VS	70	1	-46.800006109499	-24.159730116806	VS	70	1
-46.767590521329	-24.164064221553	VS	100	1	-46.789349626141	-24.156325966766	VS	100	1
-46.767472911085	-24.164894752511	VS	100	1	-46.789252444138	-24.156174068872	VS	100	1
-46.767275082687	-24.158710357854	VS	100	1	-46.789676999769	-24.156348603441	VS	100	1
-46.767211664691	-24.159907464606	VS	70	1	-46.788031168378	-24.155274371857	VS	100	1
-46.778998108514	-24.174518157579	VS	250	1	-46.788491981042	-24.154994894387	VS	100	1
-46.777222585144	-24.173719638641	VS	250	1	-46.788599639777	-24.15516731367	VS	100	1
-46.776945018357	-24.173605706955	VS	250	1	-46.816688578	-24.19660170638	VS	100	1
-46.852397010088	-24.206600894778	VS	70	1	-46.83411732062	-24.200801876982	VS	70	1
-46.852195025579	-24.206370475973	VS	70	1	-46.834455210225	-24.200968795327	VS	70	1
-46.852298558464	-24.212387817829	VS	70	1	-46.834710608184	-24.201098606806	VS	70	1
-46.851938027395	-24.212340141883	VS	70	1	-46.841885064427	-24.204811162332	VS	70	1
-46.812856131431	-24.192703413333	VS	100	1	-46.842373093647	-24.204013310468	VS	70	1
-46.812882664076	-24.192896805354	VS	100	1	-46.842984647861	-24.202992210932	VS	70	1
-46.812337611602	-24.186054252894	VS	100	1	-46.78902109074	-24.156548463514	VS	100	1
-46.812486689197	-24.196495548983	VS	100	1	-46.739543323381	-24.151974078334	VS	100	1
-46.812091301837	-24.186308801757	VS	100	1	-46.856750825804	-24.215832723478	VS	70	1
-46.812105236388	-24.18618985919	VS	100	1	-46.747094715218	-24.159745408865	VS	100	1
-46.811980359527	-24.186144390131	VS	100	1	-46.834090048508	-24.181251294527	VS	70	1
-46.811786016922	-24.186379550787	VS	100	1	-46.833877814963	-24.181003005835	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.811695581647	-24.187837031434	VS	100	1	-46.826807591078	-24.179600222006	VS	100	1
-46.811439215166	-24.187734541111	VS	100	1	-46.828887745157	-24.186174251318	VS	70	1
-46.811303243636	-24.186617852604	VS	100	1	-46.829119472304	-24.186403308852	VS	70	1
-46.767202613792	-24.158581566177	VS	70	1	-46.830817899313	-24.183698924021	VS	70	1
-46.767310411966	-24.164244555417	VS	100	1	-46.831074927403	-24.183573130962	VS	70	1
-46.767062982139	-24.158872513935	VS	100	1	-46.782730752269	-24.177047123221	VS	100	1
-46.767192845438	-24.165084111771	VS	100	1	-46.782343201751	-24.177431129483	VS	70	1
-46.767067228179	-24.160022465181	VS	70	1	-46.792365671176	-24.183128604732	VS	70	1
-46.767111793297	-24.166133087751	VS	100	1	-46.792676823748	-24.182909386951	VS	70	1
-46.766971840427	-24.159060201119	VS	70	1	-46.792946348948	-24.182780969829	VS	70	1
-46.81125913258	-24.188308822055	VS	100	1	-46.81503671753	-24.179239275293	VS	70	1
-46.811216773928	-24.187574164292	VS	100	1	-46.815124118935	-24.177124619414	VS	70	1
-46.811146124657	-24.186284094244	VS	100	1	-46.81539241678	-24.176865852817	VS	70	1
-46.811138875455	-24.186391229453	VS	100	1	-46.815670180864	-24.176596454535	VS	100	1
-46.811205838243	-24.188164127765	VS	100	1	-46.815903240074	-24.176369410067	VS	100	1
-46.811009035264	-24.188114432764	VS	100	1	-46.817036495331	-24.177134403172	VS	70	1
-46.810948792815	-24.187370979085	VS	100	1	-46.81672191858	-24.176887312389	VS	70	1
-46.810999958076	-24.194285482543	VS	100	1	-46.81644948769	-24.176652757583	VS	70	1
-46.810783633535	-24.187018624546	VS	100	1	-46.776446971525	-24.173325692634	VS	70	1
-46.810583609202	-24.18727322748	VS	100	1	-46.775187354655	-24.173842976602	VS	70	1
-46.810646885992	-24.191520329356	VS	100	1	-46.77519312979	-24.173663364454	VS	70	1
-46.810509461998	-24.187752393518	VS	100	1	-46.774933670602	-24.173841669774	VS	70	1
-46.766998047542	-24.162154582596	VS	70	1	-46.831049732934	-24.181321951563	VS	70	1
-46.766821591622	-24.159043844822	VS	100	1	-46.830829155523	-24.181451583651	VS	70	1
-46.766854539636	-24.161684612588	VS	70	1	-46.830436619304	-24.181721122623	VS	70	1
-46.766890141848	-24.165885109054	VS	100	1	-46.830184150432	-24.181892643231	VS	70	1
-46.766767639068	-24.159578873162	VS	100	1	-46.829799090267	-24.182154351741	VS	70	1
-46.766776571296	-24.161915462658	VS	70	1	-46.8306855	-24.183114164755	VS	70	1
-46.766713323223	-24.158919341016	VS	70	1	-46.821769663354	-24.172657009882	VS	70	1
-46.766780002506	-24.164640976511	VS	100	1	-46.821630718453	-24.172724955008	VS	70	1
-46.766590079294	-24.159215062167	VS	100	1	-46.821314060944	-24.172670931061	VS	70	1
-46.76591509478	-24.169838547871	VS	100	1	-46.833575856777	-24.179693363213	VS	70	1
-46.811152981195	-24.191833051783	VS	100	1	-46.833349318432	-24.179855943572	VS	70	1
-46.811128322175	-24.190815862111	VS	100	1	-46.832930088591	-24.179966589794	VS	70	1
-46.811087523694	-24.189732276514	VS	100	1	-46.831790140407	-24.179604945105	VS	70	1
-46.811059913735	-24.193689611349	VS	100	1	-46.832370708559	-24.179201539861	VS	70	1
-46.810974126669	-24.192624811596	VS	250	1	-46.832765979334	-24.178927326934	VS	70	1
-46.810444396216	-24.191526231024	VS	100	1	-46.832704038533	-24.177953451109	VS	70	1
-46.810325760075	-24.191321773736	VS	100	1	-46.833492497046	-24.180284612157	VS	70	1
-46.810282461512	-24.190300095344	VS	100	1	-46.83376259963	-24.180086212962	VS	70	1
-46.810295219832	-24.189381894607	VS	100	1	-46.834039823396	-24.179897889767	VS	70	1
-46.810234603207	-24.192176344852	VS	100	1	-46.834763471715	-24.179871766503	VS	70	1
-46.810203394461	-24.191706404673	VS	100	1	-46.835005735899	-24.180146490534	VS	70	1
-46.810157673304	-24.191114385884	VS	100	1	-46.835258149601	-24.1804352416	VS	70	1
-46.810091593249	-24.189665617782	VS	100	1	-46.835503124674	-24.180698291217	VS	70	1
-46.810076627787	-24.190165869241	VS	100	1	-46.861411590161	-24.200016659879	VS	70	1
-46.809991276715	-24.191868629194	VS	100	1	-46.774582039157	-24.173836796322	VS	70	1
-46.809987103774	-24.191127927953	VS	100	1	-46.779375295917	-24.170885064618	VS	70	1
-46.809954521578	-24.191995814448	VS	100	1	-46.904174329637	-24.228589471795	VS	70	1
-46.809934757346	-24.189883352252	VS	100	1	-46.903578206236	-24.227916121521	VS	70	1
-46.766595083544	-24.161711596256	VS	70	1	-46.903204753001	-24.227508711541	VS	70	1
-46.766678347041	-24.165645761629	VS	100	1	-46.903726188085	-24.227147448645	VS	100	1
-46.851690221421	-24.212056790537	VS	70	1	-46.904190477036	-24.227652331435	VS	100	1
-46.851828171612	-24.214783357871	VS	70	1	-46.879096767733	-24.223013004786	VS	70	1
-46.850421919507	-24.159825718102	VS	70	1	-46.820992067674	-24.172621421296	VS	70	1
-46.849817846931	-24.159101528058	VS	70	1	-46.820650364081	-24.172576635131	VS	70	1
-46.810915532863	-24.189510843462	VS	100	1	-46.820319968316	-24.172534980686	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.811010601978	-24.194091482242	VS	100	1	-46.780465019073	-24.173724169865	VS	70	1
-46.810917299525	-24.191174494459	VS	100	1	-46.889625230403	-24.23191531489	VS	70	1
-46.810889602872	-24.190120409231	VS	100	1	-46.88987380725	-24.232038242868	VS	70	1
-46.810913562671	-24.191679491285	VS	100	1	-46.88936865467	-24.231786444707	VS	70	1
-46.810852741371	-24.19249860927	VS	250	2	-46.888806944183	-24.231922592001	VS	70	1
-46.810838352342	-24.190642292069	VS	100	1	-46.889103301194	-24.231675234467	VS	70	1
-46.809808212922	-24.189997777723	VS	100	1	-46.88915485681	-24.231557448871	VS	70	1
-46.809786349197	-24.191609962565	VS	100	1	-46.888887621849	-24.231380348899	VS	70	1
-46.809711563815	-24.192075946658	VS	100	1	-46.890570325053	-24.231596867087	VS	70	1
-46.809658462729	-24.190934122933	VS	100	1	-46.890898301864	-24.231793757035	VS	70	1
-46.809596215456	-24.191870163925	VS	100	1	-46.891189590145	-24.231966004088	VS	70	1
-46.809504507336	-24.189828984354	VS	100	1	-46.891498556497	-24.232150846801	VS	70	1
-46.809451682217	-24.190527634047	VS	100	1	-46.891807581008	-24.232335744647	VS	70	1
-46.809431619162	-24.19228341039	VS	100	1	-46.892126442185	-24.232520547191	VS	70	1
-46.80940599484	-24.192121283529	VS	100	1	-46.892435468622	-24.232705443992	VS	70	1
-46.809299805688	-24.190722603758	VS	100	1	-46.8941254541	-24.234094975906	VS	70	1
-46.809235624966	-24.189670417945	VS	70	1	-46.89446439405	-24.234297466308	VS	70	1
-46.766574884247	-24.161891815691	VS	100	1	-46.894793294582	-24.23449111912	VS	70	1
-46.766661728183	-24.165462859772	VS	100	1	-46.894707460784	-24.232840980935	VS	70	1
-46.766484515911	-24.15878724014	VS	70	1	-46.893202136917	-24.23427571076	VS	70	1
-46.766479512557	-24.159420546724	VS	70	1	-46.893485552222	-24.234424578026	VS	70	1
-46.766392054643	-24.159968869959	VS	100	1	-46.893765031924	-24.234553961933	VS	70	1
-46.766509635622	-24.164830324607	VS	100	1	-46.894053340777	-24.234694403802	VS	70	1
-46.766486575739	-24.165424073318	VS	100	1	-46.894401924931	-24.234861494649	VS	70	1
-46.80922546216	-24.192372480327	VS	100	1	-46.894757232225	-24.234997785559	VS	70	1
-46.809248626795	-24.189230249032	VS	100	1	-46.892770750027	-24.234071124818	VS	70	1
-46.809081671937	-24.189465239794	VS	100	1	-46.892064730257	-24.233719889689	VS	70	1
-46.809012736214	-24.18962670956	VS	100	1	-46.891716634371	-24.233544241591	VS	70	1
-46.908159138167	-24.23662225964	VS	100	1	-46.891407794692	-24.23339847097	VS	70	1
-46.903017047733	-24.237226417716	VS	100	1	-46.891050633882	-24.233219492785	VS	70	1
-46.901683792298	-24.230151977822	VS	100	1	-46.890672635704	-24.233026236264	VS	70	1
-46.766285069683	-24.158108473408	VS	100	1	-46.893408012597	-24.231912278111	VS	100	1
-46.766391399085	-24.165652190456	VS	100	1	-46.75597569136	-24.154391527556	VS	70	1
-46.766241199603	-24.159297476261	VS	70	1	-46.755690772076	-24.154250807841	VS	70	1
-46.849351215652	-24.160601503934	VS	70	1	-46.914584344572	-24.227922500065	VS	100	1
-46.899853040232	-24.234108632175	VS	100	1	-46.915694058383	-24.227119117257	VS	70	1
-46.897222267663	-24.238469548356	VS	250	1	-46.915983410418	-24.226911609232	VS	70	1
-46.895663477606	-24.226185345473	VS	100	1	-46.9162537091	-24.226712938971	VS	70	1
-46.876789248678	-24.228755913699	VS	100	1	-46.916523816281	-24.226514389224	VS	70	1
-46.876010103326	-24.225502264203	VS	100	1	-46.916813251191	-24.226297738585	VS	70	1
-46.875920501013	-24.227867686827	VS	100	1	-46.917083090624	-24.226108440626	VS	70	1
-46.875086704153	-24.212213736623	VS	100	1	-46.917353421595	-24.225918812665	VS	70	1
-46.873480492693	-24.224276373824	VS	100	1	-46.913053440039	-24.229044441534	VS	70	1
-46.8677886393403	-24.226935580489	VS	100	1	-46.911356766084	-24.228082902948	VS	70	1
-46.867440306337	-24.224472867892	VS	100	1	-46.911908813618	-24.22768193917	VS	70	1
-46.866811819244	-24.222767433095	VS	70	1	-46.912221567195	-24.227448189836	VS	70	1
-46.76618651959	-24.158637744776	VS	100	1	-46.912649529976	-24.227135296717	VS	70	1
-46.76629483334	-24.165202421699	VS	100	1	-46.912919868711	-24.226945677845	VS	70	1
-46.766214250136	-24.16063903359	VS	100	1	-46.913180155631	-24.22674721326	VS	70	1
-46.766123501504	-24.159819164906	VS	100	1	-46.913450266815	-24.226548669635	VS	70	1
-46.766109299612	-24.159555640623	VS	100	1	-46.913739528929	-24.226339721063	VS	70	1
-46.766239061529	-24.165010749936	VS	100	1	-46.915156967973	-24.236977008945	VS	70	1
-46.766260648564	-24.167678886739	VS	100	1	-46.914398964118	-24.236117608148	VS	70	1
-46.765972854445	-24.159156693324	VS	100	1	-46.914197032004	-24.235896183709	VS	70	1
-46.849258262395	-24.159498483726	VS	100	1	-46.915149477147	-24.236187440544	VS	100	1
-46.81079121595	-24.193522405453	VS	100	1	-46.915487294129	-24.235952763953	VS	70	1
-46.810745934338	-24.192491593197	VS	100	1	-46.915718808746	-24.235781312717	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.810670321595	-24.189311566068	VS	100	1	-46.916094451544	-24.235517102613	VS	70	1
-46.810689652606	-24.190380684813	VS	100	1	-46.916389621763	-24.235302953636	VS	70	1
-46.8107053344	-24.193471525919	VS	250	2	-46.916290629991	-24.235958945934	VS	70	1
-46.810747240824	-24.192577217421	VS	250	2	-46.91608891096	-24.235746437938	VS	70	1
-46.844115574512	-24.157522426672	VS	100	1	-46.916703811935	-24.23508068607	VS	70	1
-46.841810423662	-24.171638151367	VS	100	1	-46.920200155478	-24.225351127291	VS	70	1
-46.839872970557	-24.157922071404	VS	100	1	-46.91995607028	-24.225525406601	VS	70	1
-46.778710352338	-24.17438647382	VS	250	1	-46.919657700612	-24.225748334269	VS	70	1
-46.898192093665	-24.234664951959	VS	100	1	-46.919384478367	-24.225935003784	VS	70	1
-46.826972227344	-24.15641396786	VS	70	1	-46.918844379419	-24.22634110694	VS	70	1
-46.77763286294	-24.174827912675	VS	100	1	-46.918323157632	-24.226720348936	VS	70	1
-46.770820843268	-24.155493070739	VS	70	1	-46.918130631818	-24.226855424991	VS	70	1
-46.765927758795	-24.158487951297	VS	100	1	-46.917879377505	-24.227045269032	VS	70	1
-46.810619414504	-24.193095954548	VS	250	2	-46.917397238842	-24.227388038278	VS	70	1
-46.810598432914	-24.1904996088	VS	100	1	-46.917146062774	-24.227577828867	VS	70	1
-46.810434803239	-24.192786745597	VS	250	1	-46.916931153923	-24.227742201296	VS	70	1
-46.810532458061	-24.192357120796	VS	100	1	-46.755793557164	-24.155034533799	VS	70	1
-46.810508981847	-24.190632060231	VS	100	1	-46.755643171032	-24.154936762057	VS	70	1
-46.770522717442	-24.155334718209	VS	70	1	-46.75534097769	-24.154775861318	VS	70	1
-46.770224722187	-24.155185240186	VS	70	1	-46.755045844912	-24.154615995276	VS	70	1
-46.784127580565	-24.169764389618	VS	70	1	-46.755226501129	-24.1552567145	VS	70	1
-46.783884752806	-24.169936582623	VS	70	1	-46.781858025851	-24.151721985136	VS	70	1
-46.783633607619	-24.170107976826	VS	70	1	-46.781563036326	-24.151931357019	VS	70	1
-46.909451404982	-24.234182070996	VS	70	1	-46.776221037067	-24.157319313246	VS	70	1
-46.909740738357	-24.233965533592	VS	70	1	-46.775827782372	-24.156884841104	VS	70	1
-46.910059322102	-24.233739828378	VS	70	1	-46.775636468497	-24.156643396266	VS	70	1
-46.724991644961	-24.149299198614	VS	100	1	-46.775424184487	-24.15642380063	VS	70	1
-46.81283096461	-24.187530774985	VS	100	1	-46.775242489679	-24.156211039665	VS	70	1
-46.812652833423	-24.187779600148	VS	100	1	-46.775050741487	-24.15598939872	VS	70	1
-46.847560115155	-24.160716496073	VS	70	1	-46.774829157555	-24.155740784498	VS	70	1
-46.812995851372	-24.187302231638	VS	100	1	-46.764425982443	-24.160177916753	VS	70	1
-46.813304096162	-24.186864459111	VS	100	1	-46.764088487767	-24.160006645879	VS	70	1
-46.813142353776	-24.187079835985	VS	100	1	-46.763719459963	-24.159815230892	VS	70	1
-46.811603204006	-24.18915994938	VS	100	1	-46.779237755433	-24.156438659842	VS	70	1
-46.81123136278	-24.189645265546	VS	100	1	-46.779536870612	-24.15622231307	VS	70	1
-46.811064981999	-24.189877813286	VS	100	1	-46.779855424357	-24.155996884416	VS	70	1
-46.717430975039	-24.147244880347	VS	100	1	-46.780200605548	-24.155751131959	VS	70	1
-46.824105412292	-24.189770999872	VS	100	1	-46.779917033884	-24.155292498687	VS	70	1
-46.821542850369	-24.187109798482	VS	100	1	-46.779605964977	-24.155510300425	VS	70	1
-46.808973063678	-24.191669426762	VS	100	1	-46.77930336698	-24.155728336138	VS	70	1
-46.808857531421	-24.192323450663	VS	100	1	-46.779013589342	-24.155929993264	VS	70	1
-46.808793211853	-24.191931650217	VS	100	1	-46.782711322034	-24.153284741581	VS	70	1
-46.808588349536	-24.192155903553	VS	100	1	-46.783021483059	-24.153061957473	VS	70	1
-46.818976797731	-24.188914733486	VS	100	1	-46.783304564887	-24.152859159217	VS	70	1
-46.809735071833	-24.190146608949	VS	100	1	-46.783575745786	-24.152668652956	VS	70	1
-46.808742594376	-24.194940219705	VS	250	1	-46.784080190731	-24.152313573449	VS	70	1
-46.795081184701	-24.184780859033	VS	100	1	-46.784356501624	-24.152118780773	VS	70	1
-46.794575629939	-24.181746384133	VS	100	1	-46.784631724354	-24.151921496083	VS	70	1
-46.793793971	-24.180838565222	VS	100	1	-46.784906966196	-24.151724202311	VS	70	1
-46.8085491423	-24.194811939932	VS	250	2	-46.785182290537	-24.151527063492	VS	70	1
-46.793292586818	-24.179073820426	VS	100	1	-46.785498684983	-24.151301506667	VS	70	1
-46.789500536174	-24.175750893303	VS	100	1	-46.785822986339	-24.151069117463	VS	70	1
-46.787498801753	-24.175710819719	VS	100	1	-46.786151469623	-24.15083351629	VS	70	1
-46.781059807426	-24.171269114381	VS	100	1	-46.786414765054	-24.150646509368	VS	70	1
-46.780747260413	-24.174490069956	VS	250	1	-46.786686082745	-24.15044916631	VS	70	1
-46.775056904973	-24.167735730276	VS	100	1	-46.786961353565	-24.150248406829	VS	70	1
-46.773756355818	-24.167025570962	VS	100	1	-46.787236498358	-24.150051159417	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.770699021428	-24.159682160062	VS	100	1	-46.787515355099	-24.149857539218	VS	70	1
-46.766493786859	-24.160422848057	VS	70	1	-46.7877830426	-24.149663825965	VS	70	1
-46.810491943611	-24.193337100729	VS	100	1	-46.788043129169	-24.149477150686	VS	70	1
-46.810338081621	-24.190865068465	VS	100	1	-46.788310757624	-24.149279801326	VS	70	1
-46.810235834062	-24.194075142322	VS	250	2	-46.786299070933	-24.151328101852	VS	70	1
-46.810112588574	-24.194254401819	VS	250	2	-46.786155703548	-24.151426600306	VS	70	1
-46.809958956492	-24.191372611438	VS	100	1	-46.786046614187	-24.151504255719	VS	70	1
-46.764277908389	-24.162924238509	VS	70	1	-46.785733431709	-24.151722374436	VS	70	1
-46.764065897717	-24.16267594801	VS	70	1	-46.785481049333	-24.151905786927	VS	70	1
-46.764289800639	-24.162800749197	VS	100	1	-46.785216891916	-24.152092290089	VS	70	1
-46.764854676834	-24.16239753296	VS	100	1	-46.784956735693	-24.152279002592	VS	70	1
-46.765129599884	-24.162205789838	VS	70	1	-46.784655122911	-24.152490280285	VS	70	1
-46.765361110356	-24.162034566506	VS	70	1	-46.785351663235	-24.152208779053	VS	70	1
-46.765667861496	-24.161819238956	VS	70	1	-46.785076430896	-24.152406064837	VS	70	1
-46.826732472207	-24.15664781272	VS	70	1	-46.784823854675	-24.152585738086	VS	70	1
-46.826576943844	-24.156593115413	VS	70	1	-46.786057706106	-24.152298878437	VS	70	1
-46.826285912763	-24.156350903363	VS	70	1	-46.785740912546	-24.15252426293	VS	70	1
-46.821835539335	-24.195192275007	VS	70	1	-46.839506233056	-24.212588439425	VS	70	1
-46.821667203962	-24.195105272432	VS	70	1	-46.839906795748	-24.17045738595	VS	100	1
-46.821357569099	-24.194952493767	VS	70	1	-46.839706393608	-24.170289411691	VS	100	1
-46.821052393971	-24.194798015816	VS	70	1	-46.838258267532	-24.172745272201	VS	100	1
-46.831202643235	-24.155088323703	VS	70	1	-46.838504247844	-24.172193751904	VS	100	1
-46.808487465305	-24.191477480569	VS	100	1	-46.838736962097	-24.171938400816	VS	100	1
-46.730761593761	-24.144255790776	VS	100	1	-46.838966971227	-24.171713666341	VS	100	1
-46.730131407049	-24.150469978516	VS	100	1	-46.839141675949	-24.171539001447	VS	100	1
-46.729857494083	-24.143544153682	VS	100	1	-46.838817103593	-24.172547667321	VS	70	1
-46.727759749184	-24.146400467585	VS	100	1	-46.841005892027	-24.171645433167	VS	70	1
-46.725921124141	-24.14637530319	VS	100	1	-46.841413515509	-24.168936855164	VS	100	1
-46.725716985257	-24.142665127298	VS	100	1	-46.841682626769	-24.169157059097	VS	100	1
-46.724787546218	-24.148164251968	VS	100	1	-46.841932977514	-24.169360331836	VS	100	1
-46.783160429623	-24.17043263707	VS	100	1	-46.841910036748	-24.168790693916	VS	100	1
-46.821761016636	-24.187798319715	VS	100	1	-46.842130325552	-24.168565940367	VS	100	1
-46.821651754322	-24.187906676389	VS	100	1	-46.843037056823	-24.168782121073	VS	70	1
-46.84427488866	-24.168022584314	VS	70	1	-46.769807068837	-24.156196564474	VS	70	1
-46.723755275432	-24.148909142122	VS	100	1	-46.769469160079	-24.156020597289	VS	70	1
-46.722230104851	-24.149999450717	VS	100	1	-46.769121266086	-24.155835796249	VS	70	1
-46.841633611088	-24.163528584672	VS	70	1	-46.771256217743	-24.157019237638	VS	100	1
-46.902618145384	-24.234617463095	VS	100	1	-46.775143895521	-24.156519769449	VS	70	1
-46.901230130261	-24.238556448471	VS	100	1	-46.774892982393	-24.15669127452	VS	70	1
-46.837321593144	-24.168291409378	VS	70	1	-46.774780202352	-24.156038791945	VS	70	1
-46.775082288952	-24.155825169714	VS	70	1	-46.77448029862	-24.156257108073	VS	70	1
-46.773658919121	-24.15529514747	VS	70	1	-46.774171337912	-24.156473531352	VS	70	1
-46.773353632652	-24.155513420184	VS	70	1	-46.847562080017	-24.210088236378	VS	70	1
-46.773047755126	-24.155752871581	VS	70	1	-46.917022416636	-24.234863324222	VS	70	1
-46.837111697029	-24.168166937223	VS	70	1	-46.917193467246	-24.234502202048	VS	70	1
-46.837582388664	-24.16852137324	VS	70	1	-46.916742580981	-24.235262927702	VS	70	1
-46.81956905909	-24.193335827739	VS	70	1	-46.916476894486	-24.234963763953	VS	70	1
-46.819888752736	-24.19348258361	VS	70	1	-46.916267925791	-24.234740295547	VS	70	1
-46.897951877323	-24.235489425847	VS	100	1	-46.916075807999	-24.234518785585	VS	70	1
-46.869929031716	-24.216994864382	VS	100	1	-46.915848747432	-24.234269800151	VS	70	1
-46.768817967039	-24.167085894621	VS	70	1	-46.914225079399	-24.236984594536	VS	70	1
-46.768576621196	-24.167257191954	VS	70	1	-46.913996493454	-24.23673166103	VS	70	1
-46.854976832981	-24.208892268754	VS	70	1	-46.913288598289	-24.238208924718	VS	70	1
-46.844626509672	-24.167609717325	VS	70	1	-46.913075965395	-24.237951892501	VS	70	1
-46.772797783143	-24.155927698888	VS	70	1	-46.912759208689	-24.237585761573	VS	70	1
-46.775337829794	-24.15564465958	VS	70	1	-46.912504285418	-24.237302290378	VS	70	1
-46.775568820338	-24.155478316858	VS	70	1	-46.911571568448	-24.236341680749	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.775801483046	-24.155305339469	VS	70	1	-46.911786409735	-24.236586375995	VS	70	1
-46.730748982721	-24.148248203489	VS	70	1	-46.912003931467	-24.23682876273	VS	70	1
-46.730960872888	-24.148496509684	VS	70	1	-46.911351272349	-24.236092321153	VS	70	1
-46.853960690027	-24.21121497961	VS	70	1	-46.91265843984	-24.235205406052	VS	70	1
-46.854249680662	-24.210998795851	VS	70	1	-46.912455028597	-24.23496089332	VS	70	1
-46.854549147223	-24.210782085555	VS	70	1	-46.887472242789	-24.240740719421	VS	100	1
-46.809874719617	-24.193386505161	VS	250	1	-46.882247496127	-24.239223164291	VS	100	1
-46.809808138876	-24.194486678904	VS	250	2	-46.882537101773	-24.239417157659	VS	100	1
-46.809671270598	-24.19282828873	VS	100	1	-46.882851670303	-24.239633863241	VS	100	1
-46.809585701001	-24.193210199616	VS	250	1	-46.916646175488	-24.227953128709	VS	70	1
-46.809699028039	-24.194568008611	VS	250	1	-46.915290431004	-24.2289182573	VS	70	1
-46.842805674066	-24.156934816795	VS	100	1	-46.914940145624	-24.229173591251	VS	70	1
-46.827209105764	-24.188723810957	VS	70	1	-46.914358046521	-24.229617435441	VS	70	1
-46.827788126541	-24.188250242186	VS	70	1	-46.920674495311	-24.227542078655	VS	70	1
-46.828041199518	-24.188046213951	VS	70	1	-46.920385419991	-24.227767565103	VS	70	1
-46.826521693553	-24.188460875833	VS	250	1	-46.920114319579	-24.227948630007	VS	70	1
-46.826154319108	-24.188241275233	VS	250	1	-46.919873717634	-24.228110640166	VS	70	1
-46.825859865911	-24.188073803462	VS	250	1	-46.924842769362	-24.224518019475	VS	70	1
-46.81885440962	-24.19245470209	VS	100	1	-46.924548810321	-24.224731211866	VS	70	1
-46.818841087904	-24.192088259539	VS	70	1	-46.924260534134	-24.224940372168	VS	70	1
-46.807574761044	-24.191943078843	VS	250	1	-46.785473089132	-24.152710764185	VS	70	1
-46.807990755249	-24.19220514738	VS	250	1	-46.785224456941	-24.152887022056	VS	70	1
-46.854809775062	-24.21060167922	VS	100	1	-46.784928342768	-24.153101066889	VS	70	1
-46.855128424553	-24.210385111795	VS	70	1	-46.784840063424	-24.153007673127	VS	70	1
-46.854815495894	-24.210799183061	VS	70	1	-46.784654934653	-24.15279286178	VS	70	1
-46.856985099758	-24.210193918552	VS	100	1	-46.784426302656	-24.152533092921	VS	70	1
-46.856836752332	-24.208969009946	VS	70	1	-46.784280428351	-24.15236341854	VS	70	1
-46.858411526399	-24.208213306231	VS	100	1	-46.781214192425	-24.156284640299	VS	70	1
-46.85784740343	-24.207889341718	VS	70	1	-46.781810945052	-24.15589664155	VS	70	1
-46.858101815578	-24.208246427436	VS	70	1	-46.782121791823	-24.155669695884	VS	70	1
-46.857840261234	-24.208427500499	VS	70	1	-46.782630356507	-24.155751540491	VS	70	1
-46.858103139325	-24.208080446611	VS	70	1	-46.782652020388	-24.155599828492	VS	70	1
-46.857627949964	-24.208580863912	VS	70	1	-46.782866040388	-24.155449114802	VS	70	1
-46.857386895869	-24.208761178073	VS	70	1	-46.783094225114	-24.155276397811	VS	70	1
-46.809435532426	-24.192684816896	VS	100	1	-46.783341810175	-24.155051836018	VS	70	1
-46.809306343125	-24.193024945434	VS	250	1	-46.783600590522	-24.15484536267	VS	70	1
-46.83199850673	-24.154305793171	VS	70	1	-46.783839827963	-24.154631676191	VS	70	1
-46.779434686698	-24.173101301146	VS	100	1	-46.78374909484	-24.155188212994	VS	70	1
-46.779442767301	-24.173268883647	VS	100	1	-46.783325171876	-24.154828713642	VS	70	1
-46.779252492264	-24.173233144142	VS	100	1	-46.783081435477	-24.154614432687	VS	70	1
-46.779261432061	-24.173065276245	VS	100	1	-46.782884898714	-24.154435528674	VS	70	1
-46.816580299759	-24.194694987435	VS	100	1	-46.865400243793	-24.221429809599	VS	100	1
-46.811388201599	-24.187925437886	VS	100	1	-46.773232903039	-24.157683223206	VS	70	1
-46.801531417777	-24.19458117742	VS	100	1	-46.773051192117	-24.157470432334	VS	70	1
-46.792317910174	-24.181912180291	VS	100	1	-46.780276691285	-24.161660156602	VS	70	1
-46.789832851577	-24.182522487114	VS	100	1	-46.784576115188	-24.158021321803	VS	70	1
-46.78874082054	-24.176743376203	VS	100	1	-46.784175886828	-24.158218723928	VS	70	1
-46.787801834217	-24.174878521424	VS	100	1	-46.783909714634	-24.158410125983	VS	70	1
-46.857058131177	-24.208987077901	VS	70	1	-46.783643663455	-24.158602306183	VS	70	1
-46.856491534244	-24.209381728101	VS	70	1	-46.724569470052	-24.135972101824	VS	70	1
-46.856257645667	-24.209564101725	VS	70	1	-46.724343165763	-24.136135276413	VS	70	1
-46.855985582556	-24.209766857283	VS	70	1	-46.724001848496	-24.136374675321	VS	70	1
-46.856819753736	-24.209165741796	VS	70	1	-46.843458290003	-24.201668714296	VS	70	1
-46.86952985333	-24.22910804601	VS	100	1	-46.84314293575	-24.201501438712	VS	70	1
-46.869355922934	-24.229225427432	VS	100	1	-46.842809452465	-24.201353944451	VS	70	1
-46.727504924485	-24.147678138439	VS	70	1	-46.842481302829	-24.201186931051	VS	70	1
-46.727684954119	-24.14752735761	VS	70	1	-46.876053780474	-24.219105789372	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.727989353561	-24.147992871013	VS	100	1	-46.875738959577	-24.219310216808	VS	70	1
-46.809316872706	-24.194835578324	VS	250	2	-46.875428324517	-24.219522916894	VS	70	1
-46.80922501699	-24.194308186236	VS	100	1	-46.875108525292	-24.219743545458	VS	70	1
-46.809007362874	-24.192839835505	VS	250	1	-46.820275486026	-24.195594857519	VS	70	1
-46.809156567806	-24.193794502992	VS	100	1	-46.81988491694	-24.195595928249	VS	70	1
-46.807838541619	-24.150302764248	VS	100	1	-46.874564072833	-24.206822414694	VS	70	1
-46.808843595522	-24.193633232917	VS	100	1	-46.875307863749	-24.206316760381	VS	70	1
-46.870607820233	-24.215540846707	VS	100	1	-46.8755491761	-24.206145284518	VS	70	1
-46.874788988763	-24.215778782144	VS	70	1	-46.875819336471	-24.205946783823	VS	70	1
-46.876821238596	-24.22493360415	VS	70	1	-46.876108951814	-24.205748242036	VS	70	1
-46.877100992921	-24.224726132874	VS	70	1	-46.87636007535	-24.205576688043	VS	70	1
-46.771336796511	-24.165981493295	VS	100	1	-46.877595009374	-24.204715879586	VS	70	1
-46.770690785644	-24.156231744391	VS	100	1	-46.877339496722	-24.204902022834	VS	70	1
-46.7677798522882	-24.16100433245	VS	70	1	-46.877094437613	-24.205065754581	VS	70	1
-46.767778626383	-24.163043400572	VS	100	1	-46.876849502441	-24.20524209419	VS	70	1
-46.808469208737	-24.192504891176	VS	250	1	-46.879185768836	-24.20361565663	VS	70	1
-46.808802514108	-24.193942627408	VS	100	1	-46.879440585862	-24.203451869665	VS	70	1
-46.808573162039	-24.19344259732	VS	100	1	-46.879753177967	-24.203220518113	VS	70	1
-46.808428394024	-24.194179744106	VS	100	1	-46.880040038756	-24.203025634649	VS	70	1
-46.808292209966	-24.193253537814	VS	100	1	-46.880357130048	-24.202805610937	VS	70	1
-46.808270929418	-24.194454808774	VS	100	1	-46.871505523852	-24.21607562447	VS	100	1
-46.765468086022	-24.164271813892	VS	100	1	-46.87346804247	-24.217281224326	VS	70	1
-46.859262430172	-24.210821935466	VS	100	1	-46.873291511972	-24.217165432005	VS	70	1
-46.859552077795	-24.210890105301	VS	70	1	-46.867830456999	-24.215903567043	VS	70	1
-46.859734233599	-24.21111174464	VS	70	1	-46.867503988129	-24.216130678963	VS	70	1
-46.770816764179	-24.154895463684	VS	70	1	-46.867251445579	-24.213668544765	VS	70	1
-46.770548421101	-24.154754689352	VS	70	1	-46.86700702903	-24.21385163243	VS	70	1
-46.7683450941	-24.167428410112	VS	70	1	-46.866746276526	-24.214032165729	VS	70	1
-46.731063272716	-24.145928150726	VS	100	1	-46.866482885392	-24.214217360346	VS	70	1
-46.763621768474	-24.164028047536	VS	70	1	-46.868376242001	-24.21300566406	VS	70	1
-46.910141474954	-24.232686097814	VS	70	1	-46.868109354433	-24.212713422901	VS	70	1
-46.765924697309	-24.16084636618	VS	100	1	-46.867871317924	-24.212427690804	VS	70	1
-46.765882863936	-24.160335046159	VS	100	1	-46.923978410674	-24.22515481833	VS	70	1
-46.765847134855	-24.159755819045	VS	100	1	-46.923694487883	-24.22534857622	VS	70	1
-46.765942592175	-24.167511692253	VS	100	1	-46.923424175727	-24.225538217173	VS	70	1
-46.765654817906	-24.158989501082	VS	70	1	-46.923154296522	-24.22574570433	VS	70	1
-46.765586390403	-24.159936175042	VS	100	1	-46.92288419962	-24.22594426749	VS	70	1
-46.76558465876	-24.160176627066	VS	100	1	-46.919254247975	-24.2245286655	VS	70	1
-46.765517308888	-24.159493634788	VS	70	1	-46.919582163854	-24.224285008546	VS	70	1
-46.765346845465	-24.158831188978	VS	70	1	-46.919910304992	-24.224050274348	VS	70	1
-46.765345232524	-24.160116407985	VS	100	1	-46.920228619771	-24.223815627232	VS	70	1
-46.808216460906	-24.193845978109	VS	100	1	-46.921122383864	-24.223174166656	VS	70	1
-46.808058204204	-24.194493395895	VS	250	2	-46.923986675887	-24.221072758552	VS	70	1
-46.808009628615	-24.193053027855	VS	100	1	-46.924589070373	-24.22064753711	VS	70	1
-46.808083344829	-24.194865327782	VS	100	1	-46.924859416193	-24.220466919435	VS	70	1
-46.807979903174	-24.193637197193	VS	100	1	-46.925130105552	-24.220277041146	VS	70	1
-46.807788519352	-24.193309884408	VS	100	1	-46.925400403264	-24.220087395241	VS	70	1
-46.807781794876	-24.194258028523	VS	250	2	-46.925661166459	-24.219897646529	VS	70	1
-46.856791659944	-24.207273163275	VS	70	1	-46.928707772211	-24.217681311045	VS	70	1
-46.857369259704	-24.21064596568	VS	70	1	-46.903790363257	-24.228155324795	VS	70	1
-46.857524112757	-24.210872110915	VS	70	1	-46.90342694023	-24.227756733296	VS	70	1
-46.779644779575	-24.173508288489	VS	100	1	-46.904135901049	-24.229444059529	VS	70	1
-46.818810162239	-24.19369235588	VS	100	1	-46.904394309512	-24.229736165006	VS	70	1
-46.834037424553	-24.187464356349	VS	70	1	-46.904637135718	-24.23004911977	VS	70	1
-46.795540312111	-24.181993907029	VS	100	1	-46.905316225204	-24.229884831454	VS	70	1
-46.795465536546	-24.18146354119	VS	100	1	-46.905524390132	-24.230091086826	VS	70	1
-46.795263887914	-24.181958681842	VS	100	1	-46.905699460174	-24.230285955048	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.795273037998	-24.184592049553	VS	100	1	-46.903413297715	-24.229586441261	VS	70	1
-46.846346277773	-24.156570627009	VS	70	1	-46.903186047106	-24.229324216773	VS	70	1
-46.794842122582	-24.181822457231	VS	100	1	-46.902948341084	-24.229054767399	VS	100	1
-46.794899369885	-24.184978510621	VS	100	1	-46.902705837237	-24.228780121075	VS	100	1
-46.794717117786	-24.185158334596	VS	100	1	-46.902463334691	-24.228505465486	VS	100	1
-46.794698538609	-24.190232947858	VS	250	1	-46.902250935711	-24.228257318572	VS	100	1
-46.794560356108	-24.184410495528	VS	100	1	-46.90203878178	-24.228018113508	VS	100	1
-46.794471035384	-24.185415535081	VS	100	1	-46.90181657784	-24.227770080485	VS	100	1
-46.794387453475	-24.18458665564	VS	100	1	-46.902982332111	-24.227251747783	VS	70	1
-46.794290668759	-24.181677562854	VS	100	1	-46.798690539333	-24.158028917314	VS	70	1
-46.794192263744	-24.179557543212	VS	100	1	-46.798347713832	-24.158269163282	VS	70	1
-46.794189802123	-24.184779901673	VS	100	1	-46.798033868213	-24.158485306088	VS	70	1
-46.856216842065	-24.222048284405	VS	70	1	-46.79838019557	-24.157974501561	VS	70	1
-46.765335760263	-24.161261107601	VS	100	1	-46.798664687323	-24.158295199821	VS	70	1
-46.765256547163	-24.160000561772	VS	100	1	-46.79881515462	-24.158472752453	VS	70	1
-46.765103691216	-24.160278778922	VS	100	1	-46.721967433098	-24.147574612694	VS	100	1
-46.765038629063	-24.158663926073	VS	70	1	-46.721726077923	-24.147745832291	VS	100	1
-46.765059593403	-24.162982547002	VS	70	1	-46.721670787391	-24.147582852235	VS	100	1
-46.764968368532	-24.15985099427	VS	100	1	-46.721446306905	-24.147953007217	VS	100	1
-46.76493321198	-24.163857746082	VS	100	1	-46.721166321742	-24.148151259414	VS	100	1
-46.764888517494	-24.161038273319	VS	100	1	-46.720799825872	-24.148038317426	VS	100	1
-46.764814711385	-24.160487784086	VS	100	1	-46.720998511161	-24.148171130606	VS	100	1
-46.764893029944	-24.163615722842	VS	70	1	-46.720924761055	-24.148313555624	VS	100	1
-46.845616939186	-24.168466225836	VS	70	1	-46.720683403502	-24.148484764156	VS	100	1
-46.794071195459	-24.17899185448	VS	100	1	-46.720451648956	-24.14864699235	VS	100	1
-46.794054329095	-24.179540848017	VS	100	1	-46.720229710999	-24.148809153329	VS	100	1
-46.793972934341	-24.179193698908	VS	100	1	-46.7200240566	-24.148926424703	VS	100	1
-46.793920103649	-24.178832345849	VS	100	1	-46.719937527271	-24.148725405685	VS	100	1
-46.793957651322	-24.181626941227	VS	100	1	-46.721274954539	-24.148328539488	VS	100	1
-46.793930486598	-24.179693282038	VS	100	1	-46.721414197572	-24.148407853937	VS	100	1
-46.793868938191	-24.179363973667	VS	100	1	-46.721552838387	-24.148495508511	VS	100	1
-46.843686540008	-24.170015893398	VS	70	1	-46.721775395108	-24.148593984991	VS	100	1
-46.843936905753	-24.170219163744	VS	70	1	-46.721914574886	-24.148673153025	VS	100	1
-46.844187262491	-24.170422433514	VS	70	1	-46.721514327228	-24.148655394429	VS	100	1
-46.840841321095	-24.15742700323	VS	70	1	-46.721250976156	-24.148837669957	VS	100	1
-46.831674191228	-24.154333443112	VS	70	1	-46.721000013621	-24.149017876834	VS	100	1
-46.831403403005	-24.154094625372	VS	70	1	-46.720777862273	-24.149171116538	VS	100	1
-46.764871381593	-24.165345744979	VS	100	1	-46.720879817412	-24.149330927093	VS	100	1
-46.764777450848	-24.16036524469	VS	70	1	-46.720573070496	-24.149284905945	VS	100	1
-46.764770229374	-24.163198807247	VS	70	1	-46.721763233985	-24.148494953367	VS	100	1
-46.764670371899	-24.159701504856	VS	100	1	-46.722310842672	-24.14806961977	VS	100	1
-46.764836119605	-24.167728468611	VS	100	1	-46.72223081494	-24.147941041653	VS	100	1
-46.764691136275	-24.163385033301	VS	100	1	-46.718773196952	-24.137673185183	VS	70	1
-46.764809200122	-24.167659021005	VS	100	1	-46.718506647968	-24.13752470717	VS	70	1
-46.764592338961	-24.160657304588	VS	100	1	-46.7182288354	-24.137364634213	VS	70	1
-46.764587051009	-24.160882204748	VS	100	1	-46.717926580707	-24.137221084118	VS	100	1
-46.831710683658	-24.154584729047	VS	70	1	-46.716160841171	-24.139298961426	VS	100	1
-46.831451955142	-24.154845508578	VS	70	1	-46.716061314439	-24.13929513572	VS	70	1
-46.793851501749	-24.179827337187	VS	100	1	-46.715814011672	-24.139187843652	VS	70	1
-46.79370887918	-24.178619785218	VS	100	1	-46.715556110562	-24.139065801843	VS	70	1
-46.793767760034	-24.185206937046	VS	100	1	-46.855359516034	-24.203583723937	VS	70	1
-46.793685034287	-24.181611400835	VS	100	1	-46.855608211622	-24.20340880478	VS	70	1
-46.79362326861	-24.17984238815	VS	100	1	-46.85573737068	-24.203314677845	VS	70	1
-46.793591068632	-24.179232300113	VS	100	1	-46.854775329266	-24.203988583809	VS	70	1
-46.793497484492	-24.178389683917	VS	100	1	-46.854506002376	-24.204170647922	VS	70	1
-46.793442419487	-24.180806534991	VS	100	1	-46.775657349895	-24.164896323849	VS	70	1
-46.793404675338	-24.181640075861	VS	100	1	-46.776022305002	-24.164631524065	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.793315425918	-24.178211359533	VS	100	1	-46.776354481187	-24.164400912079	VS	70	1
-46.730537229023	-24.147024946669	VS	100	1	-46.776653424085	-24.164175643395	VS	70	1
-46.764490678304	-24.163162064784	VS	100	1	-46.776924696587	-24.164021903404	VS	70	1
-46.764490487197	-24.163406057416	VS	100	1	-46.777282103954	-24.163787408788	VS	70	1
-46.764392013178	-24.159551866905	VS	100	1	-46.777571649353	-24.163580052979	VS	70	1
-46.764351062201	-24.160828561813	VS	100	1	-46.777899868266	-24.163345612778	VS	70	1
-46.764402134883	-24.16423646908	VS	100	1	-46.778208882575	-24.16312915754	VS	70	1
-46.764356404213	-24.161363398041	VS	100	1	-46.778507946463	-24.162912858461	VS	70	1
-46.764454308569	-24.166244691377	VS	100	1	-46.778787896207	-24.162714492991	VS	70	1
-46.828605932085	-24.15229536659	VS	100	1	-46.779096907608	-24.162498035516	VS	70	1
-46.764447173354	-24.166029146537	VS	100	1	-46.779364062903	-24.162306797177	VS	70	1
-46.764259796994	-24.160717953493	VS	100	1	-46.779947087793	-24.161907664402	VS	70	1
-46.845397039707	-24.168240167155	VS	70	1	-46.871996198721	-24.214353301764	VS	100	1
-46.846360072988	-24.212681258278	VS	70	1	-46.872123934774	-24.214582639191	VS	70	1
-46.845139332175	-24.168033913024	VS	70	1	-46.872336007881	-24.214821866916	VS	70	1
-46.846054110884	-24.212907357087	VS	70	1	-46.87253870416	-24.215079025942	VS	70	1
-46.844878045494	-24.167812287414	VS	70	1	-46.872750788347	-24.215318262566	VS	70	1
-46.844830392535	-24.1702672182	VS	70	1	-46.872963300172	-24.21557534501	VS	70	1
-46.844613195114	-24.167813670214	VS	70	1	-46.876392242523	-24.215311492734	VS	70	1
-46.807673020337	-24.192913995847	VS	100	1	-46.874459732365	-24.215567249803	VS	70	1
-46.807480996612	-24.194066905901	VS	250	2	-46.877352469046	-24.214156451918	VS	70	1
-46.807422489281	-24.193813181771	VS	100	1	-46.878909336039	-24.213510241943	VS	70	1
-46.807460003017	-24.192788115174	VS	100	1	-46.876331901809	-24.216969057817	VS	70	1
-46.807206734924	-24.193887865133	VS	250	2	-46.877496816479	-24.235774734836	VS	100	1
-46.807222676791	-24.194088042836	VS	100	1	-46.861809868269	-24.212247271612	VS	70	1
-46.813013216172	-24.193767254754	VS	100	1	-46.856905695564	-24.207962129168	VS	70	1
-46.793285454022	-24.179666574776	VS	100	1	-46.856295656975	-24.209365129533	VS	70	1
-46.793333178454	-24.1851437777	VS	250	1	-46.855423372541	-24.207540864399	VS	70	1
-46.793141887879	-24.178058487686	VS	100	1	-46.855729076866	-24.207316981381	VS	70	1
-46.793191078275	-24.1814589678	VS	100	1	-46.854989382913	-24.206651744946	VS	70	1
-46.793215896642	-24.185544443504	VS	250	2	-46.854696510921	-24.206852173351	VS	70	1
-46.793109810793	-24.180648400605	VS	100	1	-46.855205550994	-24.207007106855	VS	70	1
-46.79304461522	-24.178959777783	VS	100	1	-46.853775776327	-24.203931080111	VS	70	1
-46.79308869827	-24.181766047065	VS	100	1	-46.854007079375	-24.204202905156	VS	70	1
-46.792987373053	-24.179517121302	VS	100	1	-46.855031586399	-24.203811825167	VS	70	1
-46.792943194427	-24.178447455382	VS	100	1	-46.861583669137	-24.205676284526	VS	70	1
-46.792925833423	-24.179000004875	VS	100	1	-46.860750255691	-24.206285746951	VS	70	1
-46.764130427348	-24.160981144457	VS	100	1	-46.860459957766	-24.20651504672	VS	70	1
-46.764278516301	-24.166372447502	VS	100	1	-46.860182049227	-24.20671991528	VS	70	1
-46.764103716973	-24.159393432379	VS	100	1	-46.859904972394	-24.206903004456	VS	100	1
-46.764189814726	-24.164389697139	VS	100	1	-46.859610043927	-24.207119165693	VS	100	1
-46.764078287654	-24.161222700352	VS	100	1	-46.859345161056	-24.207309059336	VS	100	1
-46.764148957996	-24.165870732128	VS	100	1	-46.866191852553	-24.229444195437	VS	100	1
-46.763657317201	-24.166341786077	VS	100	1	-46.863947370337	-24.228279567396	VS	100	1
-46.763944605126	-24.160554451859	VS	100	1	-46.864245753345	-24.228453722835	VS	100	1
-46.763878295911	-24.161171004549	VS	100	1	-46.865054645897	-24.228858096759	VS	100	1
-46.763948675857	-24.164569909159	VS	100	1	-46.852469003383	-24.161552247113	VS	70	1
-46.763860346548	-24.165703316381	VS	100	1	-46.853135080576	-24.158900323516	VS	100	1
-46.844609620811	-24.170072573916	VS	70	1	-46.848838077749	-24.212674762128	VS	70	1
-46.792905165766	-24.17932197394	VS	100	1	-46.846296907552	-24.217324143213	VS	100	1
-46.792986955805	-24.185368617343	VS	250	2	-46.772800759189	-24.157447217528	VS	70	1
-46.792774179248	-24.177777453538	VS	100	1	-46.772009642313	-24.158015107089	VS	70	1
-46.792804155886	-24.181934034638	VS	100	1	-46.771455491781	-24.158404795534	VS	70	1
-46.792708991341	-24.179367553701	VS	100	1	-46.770932474573	-24.158784707635	VS	70	1
-46.79270628674	-24.178774870333	VS	100	1	-46.775411965861	-24.157053242977	VS	70	1
-46.79276790451	-24.185201412951	VS	250	2	-46.775663101154	-24.156881860416	VS	70	1
-46.792627294377	-24.182217596824	VS	100	1	-46.775923710818	-24.15669249238	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792508307181	-24.178000250733	VS	100	1	-46.764185248581	-24.162071617263	VS	70	1
-46.792516431028	-24.181179004374	VS	100	1	-46.764467030804	-24.161883131468	VS	70	1
-46.780607656602	-24.169841955187	VS	70	1	-46.764746789206	-24.161675872396	VS	70	1
-46.763386045749	-24.161522550143	VS	100	1	-46.765203388049	-24.163668512721	VS	100	1
-46.763421607245	-24.162084182536	VS	100	1	-46.765473547344	-24.163470244691	VS	70	1
-46.763446778415	-24.164930462105	VS	100	1	-46.76573409323	-24.163280976805	VS	70	1
-46.763299210275	-24.162721406529	VS	100	1	-46.765989933259	-24.163083328262	VS	70	1
-46.763163810521	-24.16167591602	VS	100	1	-46.763598599746	-24.162514010993	VS	100	1
-46.763166804086	-24.165128795296	VS	100	1	-46.769111235447	-24.164445577957	VS	100	1
-46.76312340189	-24.161925767502	VS	100	1	-46.768689357978	-24.16020612278	VS	70	1
-46.763009648064	-24.162928741222	VS	100	1	-46.76891512587	-24.160469476046	VS	70	1
-46.762887055057	-24.16533604153	VS	100	1	-46.780611521023	-24.169977081595	VS	70	1
-46.762805353946	-24.161758568625	VS	100	1	-46.782836171121	-24.168908147344	VS	70	1
-46.780644070652	-24.176000667976	VS	70	1	-46.783099700552	-24.169026312992	VS	70	1
-46.844437324343	-24.167994378915	VS	70	1	-46.783360455677	-24.1688459265	VS	70	1
-46.792482837029	-24.185071331281	VS	250	2	-46.777134399246	-24.172935361286	VS	100	1
-46.792389290148	-24.181645933772	VS	100	1	-46.778010920732	-24.172596764629	VS	70	1
-46.792255426292	-24.182171180572	VS	100	1	-46.778195355073	-24.172814496624	VS	70	1
-46.792152530222	-24.179086204678	VS	100	1	-46.778723722413	-24.172436154518	VS	250	1
-46.792109971199	-24.178467067353	VS	100	1	-46.780151056752	-24.173198524389	VS	100	1
-46.792188326052	-24.182209021922	VS	250	1	-46.780672461888	-24.17244480221	VS	100	1
-46.792155520929	-24.184931020054	VS	250	2	-46.780481292817	-24.172215102628	VS	100	1
-46.79215642633	-24.18619348155	VS	150	1	-46.780516441028	-24.17236172563	VS	100	1
-46.896534586849	-24.236062887491	VS	100	1	-46.78076755784	-24.172163695359	VS	100	1
-46.81308245882	-24.193978294337	VS	100	1	-46.781096855433	-24.17194842939	VS	100	1
-46.819329141373	-24.18694404088	VS	100	1	-46.723892668533	-24.150279408772	VS	100	1
-46.78039560729	-24.1758687327	VS	100	1	-46.724240289886	-24.150036062412	VS	100	1
-46.762720095362	-24.163136057488	VS	100	1	-46.72451025489	-24.149828949705	VS	100	1
-46.762497164143	-24.161591318927	VS	100	1	-46.724809651195	-24.149621634649	VS	100	1
-46.762168886767	-24.161406353046	VS	100	1	-46.725151272486	-24.149405217368	VS	100	1
-46.7618505914	-24.161238992287	VS	100	1	-46.723618231954	-24.145524024442	VS	100	1
-46.761833984906	-24.168448082491	VS	100	1	-46.72390516595	-24.145327458176	VS	100	1
-46.844339209658	-24.169851617676	VS	70	1	-46.724166137689	-24.145156099617	VS	100	1
-46.844235428506	-24.168194239742	VS	70	1	-46.724465512431	-24.144948783423	VS	100	1
-46.844068770584	-24.169630642255	VS	70	1	-46.727532556422	-24.145195051059	VS	100	1
-46.844025704352	-24.168401532295	VS	100	6	-46.727842692061	-24.14495977535	VS	100	1
-46.843826918437	-24.168596365133	VS	100	6	-46.728142139982	-24.144762487259	VS	100	1
-46.716620735403	-24.137625888418	VS	100	1	-46.728420834284	-24.144564120774	VS	100	1
-46.791832835825	-24.178435225131	VS	100	1	-46.728700587814	-24.144356930327	VS	100	1
-46.771440824122	-24.154628670789	VS	70	1	-46.729014461729	-24.144142924516	VS	100	1
-46.861284274741	-24.205883897887	VS	70	1	-46.91547290187	-24.216254998067	VS	100	1
-46.861023788417	-24.20608238099	VS	70	1	-46.916769057585	-24.215300515181	VS	100	1
-46.766266113903	-24.162117141491	VS	70	1	-46.935739325772	-24.201244483478	VS	100	1
-46.765957136359	-24.16233353533	VS	70	1	-46.819165538225	-24.201290930014	VS	150	1
-46.869396561546	-24.212455489452	VS	70	1	-46.819519025205	-24.196028983426	VS	70	1
-46.868769005221	-24.212897716374	VS	70	1	-46.819329082084	-24.196327900305	VS	70	1
-46.868462986231	-24.213098310888	VS	70	1	-46.819160303481	-24.196613784351	VS	70	1
-46.761525330291	-24.16107549408	VS	100	1	-46.786416525709	-24.18072051783	VS	100	1
-46.813009694832	-24.191004652635	VS	250	2	-46.786567835397	-24.180478486584	VS	100	1
-46.76086200093	-24.170507430283	VS	100	1	-46.778983678076	-24.147062358079	VS	70	1
-46.781957576964	-24.170619669162	VS	100	1	-46.779276491596	-24.147009037208	VS	70	1
-46.790380434053	-24.182653189834	VS	100	1	-46.779664333975	-24.146936286683	VS	70	1
-46.790075064443	-24.177156530777	VS	100	1	-46.777694581939	-24.147025420698	VS	70	1
-46.790109382031	-24.182591804789	VS	100	1	-46.777597087829	-24.146660630136	VS	70	1
-46.790003336903	-24.176820593362	VS	100	1	-46.777504762657	-24.146317016449	VS	70	1
-46.789770959655	-24.17598078342	VS	100	1	-46.777417527973	-24.145990394178	VS	70	1
-46.772277457035	-24.155660782619	VS	70	1	-46.777320236399	-24.145634111007	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.770852683685	-24.168322463635	VS	100	1	-46.777217505486	-24.145251459418	VS	70	1
-46.814475633055	-24.190400290708	VS	100	1	-46.777145755196	-24.144988141766	VS	70	1
-46.836465033882	-24.156226564705	VS	70	1	-46.777064797576	-24.144725768007	VS	70	1
-46.821959801552	-24.161362082316	VS	100	1	-46.777555050588	-24.14252581066	VS	100	1
-46.839668479456	-24.167459733395	VS	100	1	-46.780090508617	-24.142436452855	VS	70	1
-46.838877269274	-24.166814474286	VS	100	1	-46.778184334508	-24.150001174843	VS	70	1
-46.759591325584	-24.152029772446	VS	100	1	-46.783872180055	-24.145982619359	VS	70	1
-46.779971938562	-24.171561265519	VS	250	1	-46.79325804215	-24.160323820662	VS	70	1
-46.779791449449	-24.171349901806	VS	100	1	-46.77646437324	-24.156313752912	VS	70	1
-46.779556997591	-24.171109102318	VS	250	1	-46.72829782641	-24.148873653534	VS	70	1
-46.780387792699	-24.170914744705	VS	250	1	-46.782562418861	-24.123557863991	VS	100	1
-46.780265491979	-24.170787145476	VS	250	1	-46.728039585031	-24.148741667125	VS	70	1
-46.843798351222	-24.169409694036	VS	100	1	-46.726678618404	-24.148037580926	VS	100	1
-46.771151630224	-24.168106286813	VS	100	1	-46.726394099599	-24.147894974205	VS	100	1
-46.780753328539	-24.173138972334	VS	70	1	-46.726087592874	-24.147730573225	VS	100	1
-46.780905107702	-24.172702382732	VS	100	1	-46.725792947306	-24.147579973342	VS	100	1
-46.777636587311	-24.174292664496	VS	70	1	-46.725526118349	-24.147440512011	VS	100	1
-46.777325388386	-24.174517511456	VS	70	1	-46.725015886505	-24.147174199761	VS	100	1
-46.893260288271	-24.233914700316	VS	100	1	-46.724825689958	-24.147140915149	VS	100	1
-46.858862828821	-24.207660788567	VS	100	1	-46.725540845435	-24.147620663144	VS	100	1
-46.779000426054	-24.173425852855	VS	100	1	-46.725309301314	-24.147791821682	VS	100	1
-46.778797488228	-24.173561195121	VS	100	1	-46.7255716638	-24.148108083281	VS	100	1
-46.80939224754	-24.191094568281	VS	100	1	-46.725344350035	-24.147991592333	VS	100	1
-46.789442171345	-24.176952019645	VS	100	1	-46.725025265276	-24.14782642169	VS	100	1
-46.789397176751	-24.176711451204	VS	100	1	-46.724795419277	-24.148356345289	VS	100	1
-46.780014548406	-24.170967455063	VS	250	1	-46.724558979081	-24.148331516932	VS	100	1
-46.779520428082	-24.171320146883	VS	250	1	-46.724731384746	-24.147025307148	VS	100	1
-46.779271068825	-24.171490482477	VS	250	1	-46.724380437262	-24.146857032595	VS	100	1
-46.780506832636	-24.170615828379	VS	250	1	-46.72381657987	-24.146569441313	VS	100	1
-46.780758189685	-24.170453362359	VS	150	1	-46.72348042106	-24.146383188862	VS	100	1
-46.781019189341	-24.170262150492	VS	150	1	-46.906678981734	-24.236130524629	VS	70	1
-46.781723366206	-24.169759147759	VS	250	1	-46.906980529493	-24.235906541184	VS	70	1
-46.781230880923	-24.170101857037	VS	250	1	-46.831348391027	-24.183379607883	VS	70	1
-46.781825418692	-24.170236211249	VS	250	1	-46.831618714783	-24.183190127591	VS	70	1
-46.781623831082	-24.17001464524	VS	250	1	-46.831889047296	-24.183000655982	VS	70	1
-46.779334424193	-24.172011669581	VS	150	1	-46.831495264277	-24.182548632036	VS	70	1
-46.779152685453	-24.171798882094	VS	250	1	-46.831243521097	-24.182718371038	VS	70	1
-46.778343611797	-24.172010810979	VS	250	1	-46.830956425366	-24.182915568869	VS	70	1
-46.843635276143	-24.168785144421	VS	100	6	-46.826192336319	-24.183795518547	VS	70	1
-46.84353769619	-24.169188597241	VS	70	1	-46.824666655537	-24.197659441516	VS	70	1
-46.843454547874	-24.168973427922	VS	100	6	-46.824503115389	-24.197985390388	VS	70	1
-46.843435760999	-24.169794786419	VS	70	1	-46.824327199961	-24.198242017608	VS	70	1
-46.843302131104	-24.169119612054	VS	100	1	-46.823732552753	-24.198005404686	VS	70	1
-46.843267345687	-24.168967704244	VS	70	1	-46.823581481652	-24.19825640172	VS	70	1
-46.806609194594	-24.192102205949	VS	100	1	-46.823823972496	-24.196685461142	VS	100	1
-46.806318908114	-24.195308597949	VS	100	1	-46.824012048358	-24.196374503967	VS	100	1
-46.789395869274	-24.177074453316	VS	100	1	-46.824478624297	-24.197245304053	VS	70	1
-46.789331074491	-24.176408639983	VS	100	1	-46.826345941015	-24.199557177247	VS	100	1
-46.789279027113	-24.175499996751	VS	100	1	-46.827248578695	-24.199775200178	VS	100	1
-46.854743779416	-24.208616844014	VS	100	1	-46.751576594252	-24.163024457886	VS	100	1
-46.783752374194	-24.168739746958	VS	70	1	-46.83992756339	-24.199370562884	VS	100	1
-46.783964842095	-24.169005833818	VS	70	1	-46.84178359933	-24.202820504345	VS	70	1
-46.789147599631	-24.175752526395	VS	100	1	-46.841593559918	-24.203130450739	VS	70	1
-46.789065669328	-24.176030262854	VS	100	1	-46.842798237435	-24.20329340443	VS	70	1
-46.789015001437	-24.175240557932	VS	100	1	-46.842562115057	-24.203683562759	VS	70	1
-46.789048956145	-24.176901697999	VS	100	1	-46.844775090822	-24.203748950782	VS	100	1
-46.788911812589	-24.176575544956	VS	100	1	-46.844445872067	-24.203591279341	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.788820858041	-24.176870062288	VS	100	1	-46.851242171827	-24.207928052098	VS	100	1
-46.778130601273	-24.171744161012	VS	250	1	-46.846199681953	-24.209397741146	VS	100	1
-46.778344795231	-24.171440979818	VS	250	1	-46.846442019204	-24.209672466065	VS	100	1
-46.778125798268	-24.171611064385	VS	250	1	-46.846418002613	-24.209898639547	VS	100	1
-46.777861950869	-24.171792761071	VS	250	1	-46.849813549501	-24.211484281226	VS	70	1
-46.777595046632	-24.171989365517	VS	250	1	-46.849053421009	-24.210756057665	VS	70	1
-46.777403626567	-24.172114891834	VS	250	1	-46.827399965336	-24.199586742937	VS	100	1
-46.777167243699	-24.172297484102	VS	250	1	-46.831403317158	-24.201857968515	VS	70	1
-46.776898044475	-24.172486134694	VS	100	1	-46.83613616806	-24.20311930917	VS	70	1
-46.776685079885	-24.172612621985	VS	250	1	-46.835807552287	-24.202952016529	VS	70	1
-46.788454044576	-24.178289733395	VS	100	1	-46.835459842955	-24.202785174215	VS	70	1
-46.844376012615	-24.157332997187	VS	100	1	-46.836453996561	-24.203286143604	VS	70	1
-46.844153786333	-24.155909153171	VS	70	1	-46.836119534035	-24.203363136585	VS	70	1
-46.844078181431	-24.155611124319	VS	70	1	-46.833278640181	-24.197691232877	VS	100	1
-46.78432743608	-24.170283992211	VS	70	1	-46.83313329704	-24.200309783097	VS	70	1
-46.784047692216	-24.170491289241	VS	70	1	-46.833035956205	-24.196025649825	VS	100	1
-46.784143632066	-24.169530073245	VS	100	1	-46.835613091584	-24.197994345545	VS	100	1
-46.784387064556	-24.16982400128	VS	100	1	-46.832628644164	-24.194919262065	VS	100	1
-46.784582324	-24.170071101784	VS	100	1	-46.833920634308	-24.195560665184	VS	70	1
-46.854416812922	-24.209306474745	VS	70	1	-46.834537014979	-24.195877103593	VS	70	1
-46.91075420353	-24.23669919792	VS	100	1	-46.83486485058	-24.196035170106	VS	70	1
-46.788001914752	-24.175448093122	VS	100	1	-46.83552117708	-24.196378070025	VS	70	1
-46.787888997077	-24.174698742685	VS	100	1	-46.8361570187	-24.196685442248	VS	70	1
-46.758699428067	-24.159557844687	VS	100	1	-46.836484164296	-24.196843099101	VS	70	1
-46.843963738977	-24.156113693902	VS	70	1	-46.831208745726	-24.205505646421	VS	100	1
-46.8438453267	-24.157711921545	VS	100	1	-46.831057988897	-24.205754315883	VS	100	1
-46.843693430511	-24.156313645961	VS	70	1	-46.831378462629	-24.205219006765	VS	100	1
-46.843375282307	-24.156537672557	VS	70	1	-46.833108979906	-24.20377214652	VS	100	1
-46.843143244963	-24.156700366997	VS	70	1	-46.819669899522	-24.19031928379	VS	100	1
-46.844030846052	-24.212169058381	VS	70	1	-46.819995153417	-24.190361452486	VS	100	1
-46.842245972157	-24.157331814166	VS	100	1	-46.819560660093	-24.190170647021	VS	100	1
-46.758114327262	-24.164904678013	VS	100	1	-46.729111715629	-24.147064181362	VS	100	1
-46.842934967231	-24.169388170247	VS	100	6	-46.817542730529	-24.191616100912	VS	100	1
-46.842839651847	-24.169576602895	VS	100	6	-46.728728452356	-24.146612199727	VS	100	1
-46.787896885339	-24.175163056534	VS	100	1	-46.731835768023	-24.145387308719	VS	100	1
-46.787845880892	-24.176680900811	VS	100	1	-46.730497104477	-24.146561506868	VS	100	1
-46.787760978008	-24.176413794396	VS	100	1	-46.730264652857	-24.146277545549	VS	70	1
-46.787614160472	-24.176022116786	VS	100	1	-46.730042317911	-24.146002549285	VS	70	1
-46.787589261341	-24.174477929015	VS	100	1	-46.729911234389	-24.145851826333	VS	70	1
-46.787517391386	-24.176495489129	VS	100	1	-46.72967287171	-24.146901588539	VS	100	1
-46.787414915811	-24.175488134999	VS	100	1	-46.847813413918	-24.209547770446	VS	100	1
-46.787309838011	-24.17519474821	VS	100	1	-46.848170655983	-24.209959656373	VS	70	1
-46.787279905192	-24.174266098799	VS	100	1	-46.848342532256	-24.210163535085	VS	70	1
-46.78722538753	-24.174945613617	VS	100	1	-46.848516002248	-24.210344979752	VS	100	1
-46.787282276493	-24.176559828149	VS	100	1	-46.848776767447	-24.210164471187	VS	70	1
-46.757981982148	-24.165119771147	VS	100	1	-46.848236023583	-24.210543473485	VS	70	1
-46.787120576906	-24.174669526405	VS	100	1	-46.849037541468	-24.209983971347	VS	70	1
-46.787035283205	-24.174406303856	VS	100	1	-46.847901731623	-24.210785222003	VS	100	1
-46.78673449986	-24.175901645156	VS	100	1	-46.8476277728	-24.21097658466	VS	70	1
-46.78673707218	-24.175511153773	VS	100	1	-46.84733797807	-24.211175150988	VS	70	1
-46.78398799995	-24.168404052407	VS	70	1	-46.783722994452	-24.180871181078	VS	250	1
-46.784229529116	-24.168241659103	VS	70	1	-46.784028310441	-24.181245686739	VS	250	1
-46.825957120263	-24.184064030053	VS	100	1	-46.825260003705	-24.199055667335	VS	100	1
-46.78655647856	-24.176734353373	VS	100	1	-46.825015074471	-24.199176711435	VS	70	1
-46.786526854396	-24.175954004142	VS	100	1	-46.824768595991	-24.199050564961	VS	70	1
-46.841665964046	-24.169020928501	VS	100	1	-46.824835975994	-24.198577260188	VS	70	1
-46.786205049424	-24.176045630772	VS	100	1	-46.824418657721	-24.198877868461	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.786214056183	-24.175809441991	VS	100	1	-46.824120363577	-24.198728398768	VS	70	1
-46.858757894911	-24.20841796845	VS	100	1	-46.824138581801	-24.198564689895	VS	70	1
-46.781642963985	-24.170851112938	VS	100	1	-46.823861669974	-24.198596497039	VS	70	1
-46.786265205283	-24.180962557576	VS	100	1	-46.823614074637	-24.198482661203	VS	70	1
-46.786116699289	-24.175507577196	VS	100	1	-46.823379641162	-24.198360098232	VS	70	1
-46.781282595706	-24.170834500799	VS	100	1	-46.823968608829	-24.198842487004	VS	70	1
-46.785951568678	-24.176118898816	VS	100	1	-46.823872380973	-24.198994821776	VS	70	1
-46.885151476519	-24.206248271723	VS	100	1	-46.824505876342	-24.19913270255	VS	70	1
-46.841590164846	-24.171461414059	VS	100	1	-46.824665720794	-24.198860135543	VS	70	1
-46.841401532076	-24.169276482963	VS	100	1	-46.817091389349	-24.176897637075	VS	70	1
-46.841359662984	-24.171266914336	VS	100	1	-46.817542280108	-24.176447776734	VS	100	1
-46.841129190119	-24.171072451191	VS	100	1	-46.817321667418	-24.17666361655	VS	100	1
-46.841008849916	-24.169681087371	VS	100	1	-46.817826329548	-24.176419201556	VS	100	1
-46.842484209924	-24.169016928099	VS	100	1	-46.818106688432	-24.176612976166	VS	100	1
-46.842370185457	-24.170053173651	VS	70	1	-46.818396050109	-24.176807060773	VS	100	1
-46.842130646477	-24.170295965921	VS	70	1	-46.818585758437	-24.176939442834	VS	100	1
-46.785711716227	-24.176152198241	VS	100	1	-46.819020090326	-24.173917541384	VS	70	1
-46.785599849955	-24.175832269669	VS	100	1	-46.820699419466	-24.17387895743	VS	70	1
-46.840911371124	-24.16852069339	VS	100	1	-46.854959083778	-24.220736101218	VS	70	1
-46.840836066284	-24.169843049585	VS	100	1	-46.85521099815	-24.221439268415	VS	70	1
-46.84087883795	-24.170869176879	VS	100	1	-46.854801996256	-24.220959911036	VS	70	1
-46.840489363933	-24.158213520771	VS	70	1	-46.854734181931	-24.219632546318	VS	70	1
-46.840640968526	-24.168291004138	VS	100	1	-46.854641665093	-24.221205208068	VS	70	1
-46.840634728154	-24.170040909283	VS	100	1	-46.854412225177	-24.220117983839	VS	70	1
-46.840462376844	-24.170220707746	VS	100	1	-46.854202424844	-24.219882348063	VS	70	1
-46.840171286957	-24.158080347523	VS	70	1	-46.854039754895	-24.218646211002	VS	70	1
-46.840287736004	-24.170402904821	VS	100	1	-46.854009861805	-24.21965998525	VS	100	1
-46.840059667537	-24.170616442675	VS	100	1	-46.853849516704	-24.218782740237	VS	70	1
-46.839781879622	-24.170904195043	VS	100	1	-46.853810683467	-24.219423962549	VS	70	1
-46.784144604119	-24.174181238648	VS	100	1	-46.853606257739	-24.219199707002	VS	70	1
-46.783826710993	-24.174022998592	VS	100	1	-46.820959851192	-24.174057573619	VS	70	1
-46.783716809101	-24.17403327089	VS	100	1	-46.821230189265	-24.174243439768	VS	70	1
-46.783522247633	-24.173856844478	VS	100	1	-46.819267324281	-24.172264772573	VS	70	1
-46.838636447734	-24.160115105233	VS	100	1	-46.819095326076	-24.171883125927	VS	70	1
-46.839589812029	-24.171097915424	VS	100	1	-46.818898536989	-24.17155802295	VS	70	1
-46.839293510347	-24.163371177963	VS	100	1	-46.81870258542	-24.171288598625	VS	70	1
-46.839398383441	-24.171281924517	VS	100	1	-46.818508793292	-24.171037346593	VS	70	1
-46.839064849158	-24.163593084429	VS	100	1	-46.818292445974	-24.170789477986	VS	70	1
-46.841359394587	-24.159222666484	VS	100	1	-46.853588506822	-24.218963402945	VS	70	1
-46.84120490295	-24.158937521766	VS	70	1	-46.8534147772	-24.218970097058	VS	70	1
-46.841200907395	-24.158100900022	VS	100	1	-46.853067199752	-24.219333302617	VS	70	1
-46.841188151701	-24.157968527728	VS	70	1	-46.852806429313	-24.219513789934	VS	70	1
-46.838834846192	-24.163826936278	VS	100	1	-46.817889942458	-24.184140894537	VS	250	1
-46.782090645624	-24.176136001098	VS	100	1	-46.817787370818	-24.18428215132	VS	250	2
-46.782074435237	-24.17672148357	VS	100	1	-46.81751170331	-24.184659017135	VS	250	2
-46.829230279312	-24.15191078559	VS	70	1	-46.817331197648	-24.184910236376	VS	250	2
-46.838103761229	-24.159660867394	VS	100	1	-46.817137996924	-24.185166750386	VS	250	2
-46.841073993665	-24.158353413104	VS	100	1	-46.81707828585	-24.185393438965	VS	250	2
-46.841071631219	-24.15867255758	VS	70	1	-46.816992824309	-24.185658332664	VS	250	2
-46.841014667121	-24.157693377275	VS	70	1	-46.817776309196	-24.18399788868	VS	100	1
-46.841151677991	-24.16871511842	VS	100	1	-46.852536146892	-24.219712293125	VS	70	1
-46.840942198103	-24.15861281632	VS	70	1	-46.852276170481	-24.219886138022	VS	70	1
-46.840823698263	-24.158455340574	VS	70	1	-46.856002476886	-24.217984454909	VS	100	1
-46.838212224655	-24.173024271679	VS	100	1	-46.855720309033	-24.218179241601	VS	100	1
-46.781800963696	-24.176343440446	VS	100	1	-46.855428933291	-24.218385101069	VS	100	1
-46.781746729487	-24.176563309437	VS	100	1	-46.855227765922	-24.218522190839	VS	100	1
-46.781515153431	-24.171109351895	VS	100	1	-46.854784038024	-24.218855875106	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.781328734224	-24.17107088218	VS	100	1	-46.85451345684	-24.219036431837	VS	100	1
-46.781482188902	-24.176559918013	VS	100	1	-46.854243258052	-24.219234886669	VS	100	1
-46.852866434003	-24.163275810068	VS	70	1	-46.853982609386	-24.219415307409	VS	100	1
-46.853128855682	-24.163568303215	VS	70	1	-46.853721910023	-24.219595753285	VS	100	1
-46.837907487622	-24.173182279722	VS	100	1	-46.817549187299	-24.183860653614	VS	100	1
-46.837393993829	-24.159063174034	VS	100	1	-46.817349808112	-24.183746080571	VS	100	1
-46.83766459828	-24.173318409842	VS	100	1	-46.816971900117	-24.183508400762	VS	100	1
-46.837192101457	-24.158892056333	VS	100	1	-46.816848947487	-24.185691388355	VS	100	1
-46.837471794696	-24.173417491179	VS	100	1	-46.816742417267	-24.183367376174	VS	100	1
-46.837071231043	-24.157469628096	VS	100	1	-46.816751275506	-24.184400842385	VS	100	1
-46.853391193368	-24.163860694564	VS	70	1	-46.816627662709	-24.183435078429	VS	100	1
-46.853653745662	-24.164161981476	VS	70	1	-46.81657042651	-24.184643287626	VS	100	1
-46.853845656152	-24.164383543255	VS	70	1	-46.816514265564	-24.183605041102	VS	100	1
-46.854037557466	-24.16460510461	VS	70	1	-46.816497676187	-24.183225913827	VS	100	1
-46.854300297319	-24.164915267843	VS	70	1	-46.816513174434	-24.185613618517	VS	100	1
-46.854562427654	-24.165198734975	VS	70	1	-46.816380230967	-24.184894428493	VS	100	1
-46.854804300387	-24.165489647779	VS	70	1	-46.816314347734	-24.183865327482	VS	100	1
-46.803111472302	-24.191447183917	VS	100	1	-46.855952236224	-24.218775380647	VS	70	1
-46.781359641708	-24.176370094721	VS	100	1	-46.856356505733	-24.218495472091	VS	70	1
-46.781240837066	-24.176731226191	VS	100	1	-46.856665328992	-24.218269952879	VS	70	1
-46.7809411998357	-24.177102928492	VS	100	1	-46.856945366204	-24.218071409553	VS	70	1
-46.853967232532	-24.162715532604	VS	70	1	-46.85721582246	-24.217890907571	VS	70	1
-46.853677779838	-24.16292305098	VS	70	1	-46.858285928235	-24.22010917186	VS	100	1
-46.853378536402	-24.16313063571	VS	70	1	-46.81623462256	-24.18307672592	VS	100	1
-46.853099362743	-24.163337792501	VS	70	1	-46.816181868141	-24.1840715414	VS	100	1
-46.852799748283	-24.163554661546	VS	70	1	-46.816199503325	-24.185136723194	VS	100	1
-46.838883690976	-24.202148177971	VS	100	1	-46.816167687799	-24.185535959593	VS	100	1
-46.852519889246	-24.163753178842	VS	70	1	-46.816047588909	-24.185352031561	VS	100	1
-46.852220844207	-24.163969701381	VS	70	1	-46.816001580694	-24.184331681668	VS	100	1
-46.851931386048	-24.164177215636	VS	70	1	-46.815873086375	-24.18302003881	VS	100	1
-46.853684166114	-24.163993790622	VS	70	1	-46.815779062015	-24.183158959532	VS	100	1
-46.853394649453	-24.164201351417	VS	70	1	-46.815782542802	-24.185449618048	VS	100	1
-46.853095382101	-24.164408952579	VS	70	1	-46.815616346568	-24.184321576733	VS	100	1
-46.852806136491	-24.164625391428	VS	70	1	-46.815347702379	-24.182530271442	VS	100	1
-46.854501738872	-24.164409456414	VS	70	1	-46.858245695489	-24.219941112252	VS	100	1
-46.854212282314	-24.164616984382	VS	70	1	-46.858133780935	-24.219418301658	VS	70	1
-46.853913105647	-24.164824517533	VS	70	1	-46.858114977231	-24.220342318672	VS	100	1
-46.780931760175	-24.176947700697	VS	100	1	-46.858049170254	-24.219835659149	VS	70	1
-46.836850906242	-24.157694419635	VS	100	1	-46.857935129049	-24.220620349268	VS	100	1
-46.837191870479	-24.17356189444	VS	100	1	-46.857844950146	-24.219711305419	VS	70	1
-46.8399480113	-24.169395379531	VS	100	1	-46.857754633251	-24.220871610622	VS	100	1
-46.839710210768	-24.169630551368	VS	100	1	-46.857574136404	-24.221122880667	VS	100	1
-46.780692614986	-24.17153045534	VS	100	1	-46.851993627331	-24.220089471842	VS	70	1
-46.780462412998	-24.174377718503	VS	250	1	-46.858609780889	-24.218380367467	VS	70	1
-46.853623647267	-24.165032044114	VS	70	1	-46.86353781802	-24.221086752604	VS	70	1
-46.853373670271	-24.165248173734	VS	70	1	-46.863199273104	-24.220889117213	VS	70	1
-46.853044950706	-24.165456000359	VS	70	1	-46.815821544406	-24.184600655184	VS	100	1
-46.852745679924	-24.165663591323	VS	70	1	-46.797794514285	-24.157095562341	VS	70	1
-46.852446407919	-24.165871190571	VS	70	1	-46.797519512096	-24.157291660877	VS	70	1
-46.855086995368	-24.165065183204	VS	70	1	-46.797256461178	-24.157476557331	VS	70	1
-46.854787728272	-24.165272778772	VS	70	1	-46.797001988409	-24.157712692602	VS	70	1
-46.858189806673	-24.209392675093	VS	70	1	-46.796712473206	-24.157920100466	VS	70	1
-46.858771584245	-24.208577235329	VS	70	1	-46.796688601458	-24.158246049594	VS	70	1
-46.836938809459	-24.173680136562	VS	100	1	-46.796591614265	-24.158586948607	VS	70	1
-46.836432024278	-24.158258560655	VS	100	1	-46.796432788113	-24.15811836644	VS	70	1
-46.836390656652	-24.158144114854	VS	100	1	-46.796181491802	-24.158289899039	VS	70	1
-46.836627270177	-24.173834772963	VS	100	1	-46.795949794308	-24.158452253064	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.836179795564	-24.158360030499	VS	100	1	-46.795717887979	-24.158605675227	VS	70	1
-46.836423188503	-24.173961809949	VS	100	1	-46.862858958521	-24.220702757505	VS	70	1
-46.836229526675	-24.174088455399	VS	100	1	-46.862762919402	-24.220196429343	VS	70	1
-46.836896712279	-24.211071883988	VS	70	1	-46.86264375763	-24.220229377798	VS	70	1
-46.858458552561	-24.208815234036	VS	70	1	-46.862603613555	-24.220584303394	VS	70	1
-46.858713733498	-24.208993501903	VS	70	1	-46.862424410126	-24.220455334526	VS	70	1
-46.780707020666	-24.176981888597	VS	100	1	-46.862330235331	-24.219894490309	VS	70	1
-46.780242760892	-24.171852226308	VS	100	1	-46.862110659792	-24.220666404985	VS	70	1
-46.780299588174	-24.172019113492	VS	100	1	-46.861812458957	-24.22073206821	VS	100	1
-46.780186086048	-24.174250158855	VS	250	1	-46.861749576218	-24.22092283654	VS	70	1
-46.787843675262	-24.175552381538	VS	100	1	-46.861540321044	-24.220578135938	VS	70	1
-46.787564005027	-24.175647800788	VS	100	1	-46.861226474681	-24.220560088482	VS	100	1
-46.815163323891	-24.194671911736	VS	100	1	-46.860159667353	-24.219044406663	VS	100	1
-46.817867262586	-24.194671298375	VS	100	1	-46.795476589065	-24.15877702261	VS	70	1
-46.817546318991	-24.194549865765	VS	100	1	-46.795509190634	-24.159037767971	VS	70	1
-46.834945338904	-24.156834936452	VS	100	1	-46.795837074586	-24.159108668046	VS	70	1
-46.839466156201	-24.169867932101	VS	100	1	-46.795749146561	-24.159317635096	VS	70	1
-46.83945677799	-24.170075678767	VS	100	1	-46.795581227441	-24.159287944534	VS	70	1
-46.839227008597	-24.170099135122	VS	100	1	-46.795083261214	-24.158555499727	VS	70	1
-46.81722335928	-24.19442397731	VS	100	1	-46.818337847019	-24.183558173862	VS	250	1
-46.82428678232	-24.156480227763	VS	70	1	-46.818207035387	-24.182761036652	VS	250	1
-46.824018437832	-24.156749988348	VS	70	1	-46.818125333505	-24.183038260475	VS	250	2
-46.823702129917	-24.157064712612	VS	70	1	-46.818061124143	-24.183226129518	VS	250	1
-46.823423973911	-24.157334545447	VS	70	1	-46.817971909398	-24.183430315544	VS	250	1
-46.823145817015	-24.157604368598	VS	70	1	-46.81791496773	-24.183307116049	VS	250	1
-46.822908156093	-24.157852987006	VS	70	1	-46.817626233512	-24.183139787747	VS	250	1
-46.77993094532	-24.172072545861	VS	100	1	-46.859992542125	-24.219289201175	VS	100	1
-46.779922834623	-24.174135583234	VS	250	1	-46.861004319807	-24.220713538431	VS	70	1
-46.779621329309	-24.172288111243	VS	100	1	-46.859821472149	-24.219522509438	VS	100	1
-46.779674920624	-24.174030357965	VS	250	1	-46.859650583042	-24.219764784556	VS	100	1
-46.832963353309	-24.188631412108	VS	70	1	-46.859479915803	-24.220015973544	VS	100	1
-46.839198241405	-24.168793078941	VS	100	1	-46.859280534958	-24.220294033121	VS	100	1
-46.781400494388	-24.172667101964	VS	70	1	-46.859100000785	-24.220545358492	VS	100	1
-46.825613335913	-24.187926597611	VS	250	1	-46.858396653191	-24.218686173282	VS	70	1
-46.826907579258	-24.188686131514	VS	250	1	-46.858806585073	-24.218089209859	VS	100	1
-46.780661434696	-24.177127986727	VS	100	1	-46.859415193126	-24.219057609418	VS	100	1
-46.779312342219	-24.172504540785	VS	100	1	-46.89032379852	-24.237851827559	VS	100	1
-46.779317278574	-24.173891364527	VS	250	1	-46.816819369872	-24.182655209012	VS	250	1
-46.780418470274	-24.176823372579	VS	100	1	-46.796071775693	-24.158938364142	VS	70	1
-46.780100389041	-24.176656211763	VS	100	1	-46.796272468031	-24.158815707477	VS	70	1
-46.780126122383	-24.176498528253	VS	100	1	-46.796934925168	-24.158556528204	VS	70	1
-46.779070738418	-24.172825382474	VS	100	1	-46.890870019897	-24.238170240867	VS	100	1
-46.77904827489	-24.172683348393	VS	100	1	-46.79904400949	-24.158729065926	VS	70	1
-46.779871777525	-24.176541847557	VS	100	1	-46.795294887745	-24.158785890712	VS	70	1
-46.831620376372	-24.187150565862	VS	70	1	-46.859149722098	-24.2188707563	VS	100	1
-46.831360584707	-24.187353172641	VS	70	1	-46.858937687413	-24.219176818098	VS	100	1
-46.831081931054	-24.187594419016	VS	70	1	-46.858729488143	-24.219476131588	VS	100	1
-46.830815956993	-24.187819314364	VS	70	1	-46.858471883868	-24.219611580259	VS	100	1
-46.830594414632	-24.188017738173	VS	70	1	-46.858500081405	-24.219815512334	VS	100	1
-46.83018611553	-24.186217172893	VS	100	1	-46.858860436509	-24.219822957698	VS	100	1
-46.829899579127	-24.186452115278	VS	70	1	-46.858665581168	-24.21957092804	VS	100	1
-46.71035612018	-24.142760128265	VS	100	1	-46.858593209706	-24.22013496272	VS	100	1
-46.71021709662	-24.142183660327	VS	100	1	-46.858796353438	-24.220258294473	VS	100	1
-46.710462055728	-24.14197608564	VS	100	1	-46.795252190331	-24.158924105695	VS	70	1
-46.710055849759	-24.142544866134	VS	100	1	-46.794954872227	-24.159128977072	VS	100	1
-46.709981015738	-24.14234810348	VS	100	1	-46.820197902874	-24.180491246267	VS	250	1
-46.711214158225	-24.141686413647	VS	100	1	-46.821300763033	-24.18039345671	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.711519503173	-24.141455925156	VS	100	1	-46.820968097636	-24.180440628088	VS	250	1
-46.710591086639	-24.142132696684	VS	100	1	-46.82076261181	-24.180468976283	VS	250	1
-46.861060670022	-24.213371293336	VS	100	1	-46.820547305633	-24.180497388115	VS	250	1
-46.824711132722	-24.196458734324	VS	100	1	-46.819793651286	-24.180572999952	VS	250	1
-46.734212421288	-24.097811521161	VS	70	1	-46.819522508952	-24.180708699933	VS	250	1
-46.862376803017	-24.211833676053	VS	100	1	-46.81924231627	-24.18084404257	VS	250	1
-46.82315063935	-24.18583032173	VS	70	1	-46.818939542858	-24.180990079391	VS	250	1
-46.89563320955	-24.194247867969	VS	100	1	-46.785475960914	-24.180631148612	VS	250	1
-46.895913474292	-24.194050120698	VS	100	1	-46.785582895346	-24.18042509771	VS	250	1
-46.896173957543	-24.193869647008	VS	100	1	-46.785799172821	-24.180081040981	VS	250	1
-46.896444328215	-24.193679990076	VS	100	1	-46.785978875381	-24.179794185842	VS	250	1
-46.896695212519	-24.193508525486	VS	100	1	-46.786319280314	-24.179247383566	VS	250	1
-46.896955984818	-24.193327859636	VS	100	1	-46.786149389784	-24.179534168344	VS	250	1
-46.783069849033	-24.15224152968	VS	100	1	-46.860992967842	-24.22027033962	VS	100	1
-46.863337827603	-24.224231152213	VS	100	1	-46.85933042469	-24.218628406373	VS	70	1
-46.861008526076	-24.224222851093	VS	100	1	-46.861534955235	-24.220334775026	VS	100	1
-46.860020821714	-24.225005038706	VS	100	1	-46.859247309637	-24.21832241989	VS	70	1
-46.894870430487	-24.194772710533	VS	100	1	-46.863322375087	-24.218414890734	VS	70	1
-46.790216989714	-24.184516918568	VS	250	1	-46.865449003164	-24.221036878514	VS	70	1
-46.790119377983	-24.184410158154	VS	250	1	-46.865429239959	-24.220842057017	VS	70	1
-46.789931566736	-24.184094053375	VS	250	1	-46.818776645181	-24.181142040979	VS	250	2
-46.786180247428	-24.183837825037	VS	250	1	-46.818702617494	-24.1813299834	VS	250	2
-46.785941694966	-24.183714681933	VS	250	1	-46.818546678367	-24.181786272517	VS	250	2
-46.785706772	-24.183606695305	VS	250	1	-46.818418042701	-24.18215308843	VS	250	2
-46.785355908802	-24.183433604416	VS	250	1	-46.818326530663	-24.182430394548	VS	250	2
-46.785127623125	-24.183328235061	VS	250	1	-46.819772807401	-24.180230549434	VS	100	1
-46.785488908695	-24.183563580252	VS	250	1	-46.817055226031	-24.179538941236	VS	100	1
-46.791590699631	-24.184703358808	VS	150	1	-46.82111666122	-24.182227778107	VS	100	1
-46.791293389441	-24.184580735234	VS	250	1	-46.820856086019	-24.182006709098	VS	100	1
-46.790865245401	-24.184541323467	VS	250	1	-46.820661129737	-24.181662587889	VS	100	1
-46.791005973095	-24.184466895683	VS	250	1	-46.820611962653	-24.180876961662	VS	100	1
-46.790698345176	-24.18433528546	VS	250	1	-46.86513314314	-24.220871556542	VS	70	1
-46.790420881518	-24.184230249132	VS	250	1	-46.864959404968	-24.219694653604	VS	70	1
-46.790105743178	-24.184116371476	VS	250	1	-46.864859548664	-24.220718122138	VS	70	1
-46.790518634692	-24.184817978157	VS	250	1	-46.864660221308	-24.219911175383	VS	70	1
-46.79036778822	-24.184667425216	VS	250	1	-46.864556983474	-24.220581949897	VS	70	1
-46.907879287953	-24.239948781013	VS	100	1	-46.864390063689	-24.220109623933	VS	70	1
-46.908901652182	-24.241004437122	VS	100	1	-46.864258592654	-24.220441364487	VS	70	1
-46.710892627858	-24.141920547693	VS	100	1	-46.864122191714	-24.220295439104	VS	70	1
-46.710313123121	-24.142342768146	VS	100	1	-46.863803181465	-24.219571467815	VS	70	1
-46.712795184672	-24.144346900383	VS	100	1	-46.863988638752	-24.22029763014	VS	70	1
-46.713055750239	-24.144157718936	VS	100	1	-46.863521404453	-24.219764089639	VS	70	1
-46.713287503211	-24.143995502131	VS	100	1	-46.863114775001	-24.218203137816	VS	70	1
-46.713509428802	-24.143833360014	VS	100	1	-46.863021501591	-24.218353669757	VS	70	1
-46.713762150364	-24.143663357147	VS	100	1	-46.820585691033	-24.181785712685	VS	100	1
-46.714012915189	-24.143078130478	VS	100	1	-46.820331549075	-24.180647124765	VS	100	1
-46.844518837719	-24.208402361171	VS	100	1	-46.820345246434	-24.18158238932	VS	100	1
-46.865890813793	-24.219028224528	VS	100	1	-46.820054791838	-24.181343692815	VS	100	1
-46.861892597116	-24.212818452339	VS	100	1	-46.819811722436	-24.179446450022	VS	70	1
-46.785853260893	-24.176528918216	VS	100	1	-46.819813432688	-24.181140136295	VS	100	1
-46.787200951291	-24.176854881072	VS	100	1	-46.819591267633	-24.17926076037	VS	100	1
-46.787117116679	-24.176632432007	VS	100	1	-46.819552361314	-24.180044859832	VS	100	1
-46.779968963926	-24.179052106575	VS	250	1	-46.819553701477	-24.180919241965	VS	100	1
-46.779661093874	-24.178902699855	VS	250	1	-46.819312344432	-24.179850256546	VS	100	1
-46.779372873945	-24.178753170323	VS	250	1	-46.81929251465	-24.180714968877	VS	70	1
-46.778853138944	-24.178510245422	VS	250	1	-46.862938881065	-24.217963746895	VS	70	1
-46.778578685359	-24.178375449336	VS	250	1	-46.862751355982	-24.218552097768	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.787022412722	-24.176365468809	VS	100	1	-46.862666094802	-24.217874635795	VS	70	1
-46.782438090825	-24.180474905943	VS	250	1	-46.862405207717	-24.218055237493	VS	70	1
-46.782179917797	-24.180351908461	VS	250	1	-46.862154395527	-24.218235580909	VS	70	1
-46.784507440267	-24.181257777489	VS	250	2	-46.861874414471	-24.218434109207	VS	70	1
-46.7848160569	-24.181407565881	VS	250	2	-46.861703164562	-24.218847786443	VS	70	1
-46.785034379089	-24.18152172921	VS	250	2	-46.861624062094	-24.218605060085	VS	70	1
-46.785245962303	-24.181616105415	VS	250	2	-46.86142036948	-24.218563359818	VS	70	1
-46.785585207038	-24.181791200344	VS	250	2	-46.861319644445	-24.218748129892	VS	70	1
-46.785947412442	-24.181962656915	VS	250	2	-46.861185661552	-24.217984579275	VS	70	1
-46.786037428021	-24.182005007983	VS	250	2	-46.861158950219	-24.218289522827	VS	70	1
-46.786395107644	-24.182180837157	VS	250	2	-46.819032754101	-24.180485994693	VS	100	1
-46.786683966987	-24.182324296099	VS	250	2	-46.818762365295	-24.180265004875	VS	100	1
-46.786911572422	-24.182435702808	VS	250	2	-46.818697537166	-24.18088257809	VS	100	1
-46.787120044504	-24.182541097986	VS	250	2	-46.818491977733	-24.180044005691	VS	100	1
-46.787477747053	-24.182716925554	VS	250	2	-46.818477311689	-24.180705809858	VS	100	1
-46.787706261644	-24.182831214376	VS	250	2	-46.818237015703	-24.18051135052	VS	100	1
-46.895131107213	-24.194592117952	VS	100	1	-46.818188857225	-24.179784077315	VS	100	1
-46.89538219568	-24.19442052619	VS	100	1	-46.818046653704	-24.180352199092	VS	100	1
-46.713783765942	-24.142928108223	VS	100	1	-46.817900671338	-24.179539958134	VS	100	1
-46.867449795968	-24.220344251121	VS	100	1	-46.81777648715	-24.180140121634	VS	100	1
-46.867407443179	-24.220579941269	VS	100	1	-46.817496054247	-24.179916816259	VS	100	1
-46.787805476463	-24.182875090364	VS	250	2	-46.817333466266	-24.179095247127	VS	100	1
-46.787924748437	-24.182936651367	VS	250	2	-46.81728558027	-24.179336470373	VS	100	1
-46.788129358714	-24.183054335122	VS	250	2	-46.860896239327	-24.218191991165	VS	70	1
-46.787382615101	-24.182880885455	VS	250	2	-46.860886023545	-24.217961806356	VS	70	1
-46.778971205268	-24.178787362451	VS	250	2	-46.860635632261	-24.218381469126	VS	70	1
-46.781528315074	-24.179816753036	VS	250	1	-46.860363035149	-24.218562595565	VS	70	1
-46.782981213289	-24.180747345495	VS	250	1	-46.859955461221	-24.218360576979	VS	70	1
-46.783660130846	-24.182361641994	VS	250	1	-46.859647161319	-24.218202393397	VS	70	1
-46.783833031301	-24.182449755448	VS	250	1	-46.859428320632	-24.218088120666	VS	70	1
-46.784116943079	-24.182581307433	VS	250	1	-46.864136642356	-24.221099376143	VS	100	1
-46.78028689161	-24.179210365522	VS	250	1	-46.86411954383	-24.220781518288	VS	70	1
-46.780342340582	-24.179455840735	VS	250	1	-46.863791593339	-24.220623501645	VS	70	1
-46.780640809364	-24.17959624945	VS	250	1	-46.817285917511	-24.179742397553	VS	100	1
-46.780898930574	-24.179719229769	VS	250	1	-46.819071558426	-24.179647021546	VS	70	1
-46.781226927734	-24.179886349133	VS	250	1	-46.820871704022	-24.181097304665	VS	70	1
-46.78124069928	-24.179667540871	VS	250	1	-46.820823565289	-24.180286434703	VS	70	1
-46.780912572219	-24.179509154217	VS	250	1	-46.820562994092	-24.180065365759	VS	70	1
-46.780604699439	-24.179359758122	VS	250	1	-46.820292403	-24.179835447074	VS	70	1
-46.784292771713	-24.182676921492	VS	250	1	-46.820052229549	-24.179649829546	VS	70	1
-46.782270382617	-24.181702950698	VS	250	1	-46.818811201855	-24.179434872765	VS	70	1
-46.782078393172	-24.181603668092	VS	250	1	-46.818549649056	-24.179213332156	VS	70	1
-46.783725354643	-24.181900220785	VS	150	1	-46.818264017854	-24.178976767184	VS	70	1
-46.783546504006	-24.182222735105	VS	150	1	-46.817620504765	-24.179319058673	VS	70	1
-46.784375071256	-24.181415384517	VS	250	2	-46.817553989494	-24.179069823086	VS	70	1
-46.78458387688	-24.181520972343	VS	250	2	-46.820012885782	-24.18041608372	VS	70	1
-46.784841678062	-24.181643775608	VS	250	2	-46.863473342069	-24.220456533618	VS	70	1
-46.78505076482	-24.181749505893	VS	250	2	-46.863095994017	-24.220370411049	VS	70	1
-46.785388487488	-24.181916499043	VS	250	2	-46.862055333959	-24.219958119549	VS	100	1
-46.785636629296	-24.18203064898	VS	250	2	-46.861844481242	-24.220123906355	VS	100	1
-46.785879426506	-24.182160590407	VS	250	2	-46.821387067909	-24.182448774088	VS	70	1
-46.786352070454	-24.182391164114	VS	250	2	-46.821358864187	-24.177587688065	VS	70	1
-46.786630091464	-24.18252292721	VS	250	2	-46.821293191847	-24.178229520978	VS	70	1
-46.786848784342	-24.18263728789	VS	250	2	-46.821190424613	-24.178756363839	VS	70	1
-46.787108672316	-24.182753564034	VS	250	2	-46.821033703837	-24.178053058124	VS	70	1
-46.789220641643	-24.184027168444	VS	250	2	-46.820921127601	-24.17855308824	VS	70	1
-46.783313322107	-24.162763678765	VS	70	1	-46.82076417593	-24.177867754026	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.827166591897	-24.20381258495	VS	70	1	-46.82065113732	-24.178360846853	VS	70	1
-46.821591168178	-24.179694888828	VS	100	1	-46.820382070516	-24.178174364612	VS	70	1
-46.821352099203	-24.179948654228	VS	100	1	-46.820234531624	-24.177487990352	VS	70	1
-46.821234029466	-24.179973236115	VS	100	1	-46.820192775608	-24.178033412522	VS	70	1
-46.820978229335	-24.179764975385	VS	100	1	-46.819954976031	-24.177293826462	VS	70	1
-46.820718908978	-24.179557699573	VS	100	1	-46.834095675754	-24.15503123035	VS	70	1
-46.820452459839	-24.179344232002	VS	100	1	-46.820976577741	-24.162332656428	VS	100	1
-46.820212577974	-24.179150598553	VS	100	1	-46.821203891091	-24.162107055924	VS	100	1
-46.80401392979	-24.192934513899	VS	100	1	-46.821431321494	-24.1618781403	VS	100	1
-46.75418031742	-24.164367228791	VS	100	1	-46.81969549193	-24.177117361816	VS	70	1
-46.808935464452	-24.189896005468	VS	100	1	-46.818873323792	-24.17712266715	VS	70	1
-46.808883357245	-24.190116253629	VS	100	1	-46.818623053831	-24.17750464364	VS	70	1
-46.808724915894	-24.190465214102	VS	100	1	-46.818331375088	-24.177334820779	VS	70	1
-46.80883193972	-24.190449634471	VS	125	1	-46.816097805028	-24.17805467891	VS	100	1
-46.809050554625	-24.190563892339	VS	100	1	-46.818022381654	-24.177140881794	VS	100	1
-46.772796259544	-24.158919502871	VS	70	1	-46.819030442122	-24.178801083545	VS	100	1
-46.845856509737	-24.211618332617	VS	70	1	-46.818450868382	-24.178181856795	VS	100	1
-46.845618024305	-24.211802762023	VS	70	1	-46.818248989031	-24.17814680131	VS	100	1
-46.845471248985	-24.2118064968	VS	70	1	-46.817758376699	-24.177749033134	VS	100	1
-46.846154738586	-24.211767691356	VS	70	1	-46.817464965656	-24.177497440113	VS	100	1
-46.84645809967	-24.211919173333	VS	70	1	-46.817173163515	-24.177261019689	VS	100	1
-46.84566737032	-24.212039874538	VS	70	1	-46.816873961205	-24.177807163549	VS	100	1
-46.845889207422	-24.212279066824	VS	70	1	-46.816606854264	-24.177586774964	VS	70	1
-46.845373205831	-24.211966956922	VS	70	1	-46.81633623698	-24.177356840772	VS	70	1
-46.845200907725	-24.211684767017	VS	70	1	-46.816085710352	-24.17714460682	VS	100	1
-46.844794983553	-24.211229835477	VS	70	1	-46.816333869593	-24.177643898733	VS	100	1
-46.844568108776	-24.2111754803	VS	70	1	-46.816103871951	-24.177877645562	VS	100	1
-46.844911025673	-24.212312550147	VS	70	1	-46.816320161114	-24.178244211864	VS	100	1
-46.844716019395	-24.212074540641	VS	70	1	-46.816545378936	-24.178449357757	VS	100	1
-46.844493752298	-24.211817501148	VS	70	1	-46.817112491954	-24.178901831366	VS	100	1
-46.844281520456	-24.211569319083	VS	70	1	-46.81875984672	-24.178571162572	VS	70	1
-46.844069665535	-24.211338908977	VS	70	1	-46.818519343749	-24.178367781537	VS	70	1
-46.844329422428	-24.211333394506	VS	70	1	-46.81823454903	-24.178386536694	VS	70	1
-46.843908042234	-24.211152779563	VS	70	1	-46.818069839947	-24.178815951412	VS	70	1
-46.843816548453	-24.211693728832	VS	70	1	-46.81803313481	-24.178584385879	VS	70	1
-46.843746197846	-24.210957736002	VS	70	1	-46.818008697634	-24.177952342266	VS	70	1
-46.843574540599	-24.210762766711	VS	70	1	-46.817819393309	-24.178612530552	VS	70	1
-46.844680458563	-24.212494336026	VS	70	1	-46.817803188749	-24.178818082756	VS	70	1
-46.844065368804	-24.211521071604	VS	70	1	-46.817568651791	-24.178391375817	VS	70	1
-46.845161087026	-24.212129231806	VS	70	1	-46.817348202054	-24.178205692589	VS	70	1
-46.845179406362	-24.212369373565	VS	70	1	-46.817107702285	-24.17800230971	VS	70	1
-46.845382599946	-24.212577816834	VS	70	1	-46.815873998579	-24.178102144966	VS	100	1
-46.844998864256	-24.211455491653	VS	70	1	-46.815847372633	-24.177842546231	VS	70	1
-46.775550401588	-24.166607885815	VS	100	1	-46.815386650801	-24.177462389692	VS	100	1
-46.86041334385	-24.217675787937	VS	100	1	-46.815106169136	-24.177234562597	VS	100	1
-46.859909955713	-24.218030405321	VS	100	1	-46.815680096146	-24.177704664715	VS	70	1
-46.860752109348	-24.217795749793	VS	100	1	-46.815806664932	-24.181147667831	VS	70	1
-46.860518486681	-24.217506096832	VS	100	1	-46.814583557427	-24.180942445629	VS	250	1
-46.779257041644	-24.177102700143	VS	100	1	-46.814515897223	-24.181349197671	VS	250	1
-46.912025090599	-24.222262992119	VS	100	1	-46.814461204463	-24.181233695693	VS	250	1
-46.736021078528	-24.157499690768	VS	100	1	-46.717452964321	-24.142484951071	VS	100	1
-46.758473087828	-24.162542907872	VS	70	1	-46.813233863384	-24.179962894401	VS	70	1
-46.75812518785	-24.162358081228	VS	70	1	-46.812799515729	-24.179795186222	VS	70	1
-46.782703220843	-24.163154727538	VS	70	1	-46.815915689981	-24.182108829187	VS	250	1
-46.78257854105	-24.173937719052	VS	70	1	-46.816445949452	-24.182429507693	VS	250	1
-46.782912236751	-24.173723860414	VS	70	1	-46.816189067687	-24.182278569135	VS	250	1
-46.790063289391	-24.163998414813	VS	70	1	-46.81562011247	-24.181937549823	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.837322792221	-24.159716305786	VS	70	1	-46.815333495511	-24.181802174517	VS	250	1
-46.825027613263	-24.173329972251	VS	70	1	-46.815094324972	-24.181658807902	VS	250	1
-46.82530673957	-24.17350628117	VS	70	1	-46.81482789891	-24.181510715439	VS	250	1
-46.825576132957	-24.173691474069	VS	70	1	-46.815013869492	-24.182338067806	VS	100	1
-46.825855260893	-24.173867782184	VS	70	1	-46.811507092096	-24.185336978819	VS	100	1
-46.826094477091	-24.174017624381	VS	70	1	-46.811296609896	-24.185595641009	VS	100	1
-46.826354271246	-24.174204022554	VS	70	1	-46.812802041616	-24.185765142599	VS	100	1
-46.826583603956	-24.174344153315	VS	70	1	-46.812596625908	-24.18568045652	VS	100	1
-46.826872880408	-24.174538157113	VS	70	1	-46.812550193953	-24.185918885928	VS	100	1
-46.827131950522	-24.174696764842	VS	70	1	-46.812414161472	-24.185440930731	VS	100	1
-46.827187062127	-24.173801194682	VS	70	1	-46.812221886331	-24.185201486435	VS	100	1
-46.825955700917	-24.175178766389	VS	70	1	-46.812059693584	-24.184988574297	VS	100	1
-46.826204087884	-24.175354276417	VS	70	1	-46.81186720046	-24.184740206921	VS	100	1
-46.826444351703	-24.175496185933	VS	70	1	-46.811791943625	-24.185158576339	VS	100	1
-46.826683792165	-24.175654941609	VS	70	1	-46.811720805375	-24.185815810225	VS	100	1
-46.825939059383	-24.175381279601	VS	70	1	-46.811674489676	-24.18448288957	VS	100	1
-46.825786743231	-24.175578756156	VS	70	1	-46.811550043776	-24.18559174341	VS	100	1
-46.8255388478	-24.175884040111	VS	70	1	-46.811481998277	-24.184234512892	VS	100	1
-46.825304823633	-24.176173168502	VS	70	1	-46.811289507294	-24.183986145073	VS	100	1
-46.82472496224	-24.175571690382	VS	70	1	-46.811225320427	-24.185930496225	VS	100	1
-46.826439127012	-24.176690445554	VS	70	1	-46.799279926716	-24.193398987296	VS	250	1
-46.826169822432	-24.176514073547	VS	70	1	-46.798401385841	-24.193103061982	VS	250	1
-46.825996552363	-24.176403861632	VS	70	1	-46.80047934955	-24.19400400268	VS	250	1
-46.825686332728	-24.175002347098	VS	100	1	-46.800230295553	-24.19385418132	VS	250	1
-46.755947775974	-24.166276845933	VS	100	1	-46.799962830183	-24.193714021208	VS	250	1
-46.709736218869	-24.14276878243	VS	250	1	-46.799764468027	-24.193608739469	VS	250	1
-46.710108484517	-24.143008619226	VS	250	1	-46.799517038852	-24.193503806781	VS	250	1
-46.898004745807	-24.241430320534	VS	100	1	-46.799032359598	-24.193302777426	VS	250	1
-46.89932002908	-24.239939302603	VS	100	1	-46.798736468364	-24.193198362677	VS	250	1
-46.909025225667	-24.246890804221	VS	70	1	-46.798084587455	-24.19303375335	VS	250	1
-46.908847594777	-24.246690079449	VS	70	1	-46.797905643839	-24.192972371923	VS	250	1
-46.908662206566	-24.246485944682	VS	70	1	-46.797738062387	-24.19178637164	VS	250	1
-46.908504268221	-24.246305965329	VS	70	1	-46.797746393176	-24.192928484006	VS	250	1
-46.908266755441	-24.246076243592	VS	70	1	-46.797717340804	-24.192152347006	VS	250	1
-46.908549402704	-24.246069096488	VS	70	1	-46.797698960752	-24.192616452231	VS	250	1
-46.840668801648	-24.2111902566	VS	70	1	-46.797695294153	-24.192870967073	VS	250	1
-46.840517521817	-24.211448930308	VS	70	1	-46.797641294585	-24.19189188887	VS	250	1
-46.840818175314	-24.210929718286	VS	70	1	-46.797630568925	-24.192227910203	VS	250	1
-46.840864939353	-24.211205440059	VS	70	1	-46.797609189235	-24.192567207511	VS	250	1
-46.840620716262	-24.211058270221	VS	70	1	-46.797595519863	-24.19281713647	VS	250	1
-46.846486700501	-24.159379692602	VS	100	1	-46.797555820449	-24.19286806124	VS	250	1
-46.846319395055	-24.15960377233	VS	100	1	-46.801054034531	-24.191941574587	VS	100	1
-46.7864438921	-24.172971162146	VS	100	1	-46.799479065383	-24.191644682629	VS	100	1
-46.846833737978	-24.159137594516	VS	100	1	-46.798442293742	-24.191594318318	VS	100	1
-46.846205905826	-24.159562863131	VS	100	1	-46.7980797333	-24.191578409357	VS	100	1
-46.846132253967	-24.159385759364	VS	100	1	-46.800929001565	-24.191717469745	VS	100	1
-46.786331578091	-24.172658560591	VS	100	1	-46.800706101793	-24.191702292925	VS	100	1
-46.870076212616	-24.222613771116	VS	70	1	-46.800134527903	-24.192135902317	VS	100	1
-46.869825814515	-24.222794968184	VS	70	1	-46.799849050031	-24.191659909671	VS	100	1
-46.869564074031	-24.222974819677	VS	70	1	-46.799759869317	-24.192120790215	VS	100	1
-46.870404636263	-24.222388078606	VS	70	1	-46.799419168026	-24.192097030887	VS	100	1
-46.817257218543	-24.188651270796	VS	100	1	-46.799094287117	-24.191624412083	VS	100	1
-46.817462626465	-24.188613991915	VS	100	1	-46.799081627324	-24.192048248949	VS	100	1
-46.817804885485	-24.188557844008	VS	100	1	-46.798874228995	-24.191621202957	VS	100	1
-46.818136579781	-24.188492929915	VS	100	1	-46.798719608309	-24.191671073561	VS	100	1
-46.8185079221	-24.188418700137	VS	100	1	-46.79872780052	-24.192030022043	VS	100	1
-46.83774598164	-24.203936270425	VS	70	1	-46.79851312824	-24.19203159518	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.837089861745	-24.203602316121	VS	70	1	-46.798496472086	-24.191832931017	VS	100	1
-46.837426313855	-24.203548177243	VS	70	1	-46.798282167654	-24.192095820027	VS	100	1
-46.820267846599	-24.193672011649	VS	70	1	-46.797412278393	-24.191825625865	VS	100	1
-46.847605197541	-24.20929114599	VS	100	1	-46.795231844022	-24.192501081299	VS	100	1
-46.847285250415	-24.20799728465	VS	100	1	-46.797140938046	-24.192838082233	VS	250	1
-46.819846582757	-24.191817188083	VS	100	1	-46.797056571904	-24.191803322156	VS	100	1
-46.820423408925	-24.192759907415	VS	70	1	-46.796870778309	-24.192831358175	VS	250	1
-46.820454682883	-24.192473660806	VS	70	1	-46.796684757452	-24.191778291608	VS	100	1
-46.87094537264	-24.222009004319	VS	70	1	-46.796546259949	-24.19162565911	VS	100	1
-46.832314134662	-24.206915250631	VS	100	1	-46.796533626569	-24.191920316847	VS	100	1
-46.818412293491	-24.186755731761	VS	70	1	-46.796551693318	-24.192796423765	VS	250	1
-46.817636208787	-24.186831749119	VS	70	1	-46.796530827944	-24.192214786483	VS	100	1
-46.817305155028	-24.186860336727	VS	70	1	-46.796517583033	-24.192482560149	VS	100	1
-46.816880026652	-24.188327497305	VS	250	2	-46.796521812524	-24.192778801716	VS	250	1
-46.816796433467	-24.188522766445	VS	250	2	-46.796281642195	-24.191764233109	VS	100	1
-46.81660872221	-24.188824013946	VS	250	2	-46.796220337789	-24.192843635399	VS	250	1
-46.816788099551	-24.188735134175	VS	100	1	-46.8634352735	-24.210413270924	VS	250	1
-46.817112362768	-24.188679286575	VS	100	1	-46.882450335666	-24.232683427653	VS	70	1
-46.761880134614	-24.162595323637	VS	100	1	-46.795918520288	-24.191748375551	VS	100	1
-46.818095030761	-24.186226601149	VS	70	1	-46.79606364668	-24.192840955696	VS	250	1
-46.817769326254	-24.186224763737	VS	70	1	-46.795564714102	-24.191733180275	VS	100	1
-46.817408603433	-24.186240968833	VS	70	1	-46.795670788476	-24.192846084798	VS	250	1
-46.755503460137	-24.159706183023	VS	100	1	-46.795265612073	-24.191858411668	VS	100	1
-46.814215638651	-24.177932652316	VS	70	1	-46.795280198613	-24.192864447668	VS	250	1
-46.720911576038	-24.146892218346	VS	100	1	-46.795252790922	-24.192144029933	VS	100	1
-46.718352093558	-24.147841138173	VS	100	1	-46.795218384691	-24.192827063724	VS	100	1
-46.718250015414	-24.147832012613	VS	100	1	-46.795056106396	-24.192253302274	VS	100	1
-46.71849925623	-24.147990987479	VS	100	1	-46.794817123536	-24.192351055062	VS	100	1
-46.816807513425	-24.180910894031	VS	100	1	-46.794436656403	-24.192556485186	VS	100	1
-46.718702708537	-24.148120709922	VS	100	1	-46.839315671199	-24.20583872678	VS	70	1
-46.718820685803	-24.148140947044	VS	100	1	-46.839017465555	-24.205689348458	VS	70	1
-46.719138886327	-24.147897822765	VS	100	1	-46.839674473473	-24.206018857349	VS	70	1
-46.908831982834	-24.242886427755	VS	100	1	-46.803207771141	-24.192553608726	VS	100	1
-46.753987237969	-24.157180630396	VS	100	1	-46.802733156152	-24.193235306001	VS	100	1
-46.858006042374	-24.211716107307	VS	70	1	-46.802420201005	-24.192059783967	VS	100	1
-46.808738314302	-24.192672382359	VS	250	1	-46.805481927583	-24.193547755149	VS	250	1
-46.787731527531	-24.183061653306	VS	250	1	-46.801372588827	-24.191573737214	VS	100	1
-46.785037354427	-24.168455780706	VS	100	1	-46.801228229205	-24.191920614628	VS	100	1
-46.839279763965	-24.202481998362	VS	100	1	-46.804413426624	-24.192683728089	VS	100	1
-46.777508770351	-24.176339754799	VS	100	1	-46.804318464581	-24.192430188268	VS	100	1
-46.777119647928	-24.176128622507	VS	100	1	-46.804278235233	-24.19263620975	VS	100	1
-46.776758395797	-24.175936014481	VS	100	1	-46.804128108826	-24.192781967604	VS	100	1
-46.776456362085	-24.175786097209	VS	100	1	-46.804097754285	-24.192623127138	VS	100	1
-46.775878857475	-24.175495283612	VS	100	1	-46.803834564689	-24.192372827402	VS	100	1
-46.775602140312	-24.175352243125	VS	100	1	-46.803603079832	-24.192151134627	VS	100	1
-46.776754568413	-24.175858941437	VS	100	1	-46.803374367172	-24.191924054427	VS	100	1
-46.776955345872	-24.17572134281	VS	100	1	-46.803262887402	-24.191713929864	VS	100	1
-46.777148660688	-24.175587720117	VS	100	1	-46.80294843884	-24.192385981416	VS	100	1
-46.774948293219	-24.173095749729	VS	100	1	-46.802930072844	-24.192696441232	VS	100	1
-46.81138493858	-24.1853873697	VS	100	1	-46.802729590904	-24.192957338504	VS	100	1
-46.81929598376	-24.190268681774	VS	100	1	-46.802679342785	-24.192218490087	VS	100	1
-46.819249701674	-24.18835060851	VS	100	1	-46.802501341021	-24.193262314239	VS	100	1
-46.819114967757	-24.18802620751	VS	100	1	-46.802473919203	-24.193067752557	VS	100	1
-46.817073324741	-24.189375419428	VS	100	1	-46.802301806801	-24.193540412116	VS	100	1
-46.816770829051	-24.189387082814	VS	100	1	-46.802188095674	-24.191547472793	VS	100	1
-46.816529720671	-24.18939943261	VS	100	1	-46.830035129556	-24.193639853077	VS	70	1
-46.775166559065	-24.172942671818	VS	100	1	-46.802204822912	-24.192900251279	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.774733093189	-24.173250607305	VS	100	1	-46.802145144131	-24.191926946658	VS	100	1
-46.774466748123	-24.173435987348	VS	100	1	-46.802155545016	-24.193919496692	VS	100	1
-46.774166672725	-24.173666743937	VS	100	1	-46.802103933812	-24.193798395993	VS	100	1
-46.773886475152	-24.173874304412	VS	100	1	-46.801974132119	-24.192150879529	VS	100	1
-46.773394588152	-24.174216567874	VS	100	1	-46.801925697048	-24.192723907778	VS	100	1
-46.773645451899	-24.174045392672	VS	100	1	-46.801940150143	-24.194025106508	VS	100	1
-46.775107981651	-24.172716709254	VS	100	1	-46.801803229801	-24.192393027211	VS	100	1
-46.774404515178	-24.173622155308	VS	70	1	-46.801666939721	-24.192565472428	VS	100	1
-46.774214842135	-24.173409998801	VS	70	1	-46.801594666226	-24.191390108595	VS	100	1
-46.775876330886	-24.167926581608	VS	100	1	-46.801587433136	-24.193558079644	VS	100	1
-46.774345605896	-24.110249457824	VS	100	1	-46.80127873722	-24.191631183886	VS	100	1
-46.831265244893	-24.200676142661	VS	70	1	-46.801358249097	-24.193417048919	VS	100	1
-46.716267987451	-24.145571728295	VS	100	1	-46.898204004019	-24.228964254826	VS	100	1
-46.870804946032	-24.221483619684	VS	70	1	-46.89796266834	-24.229135764662	VS	100	1
-46.868120015105	-24.215696035559	VS	70	1	-46.896575120089	-24.228029998607	VS	70	1
-46.870507898689	-24.221693169884	VS	70	1	-46.801129200417	-24.193276102778	VS	100	1
-46.857824014479	-24.222345146814	VS	70	1	-46.800905741803	-24.193387844777	VS	100	1
-46.731769770002	-24.142883539268	VS	70	1	-46.800717494587	-24.193728352896	VS	100	1
-46.731451194407	-24.143108860424	VS	70	1	-46.800587510597	-24.193987414878	VS	100	1
-46.731142220862	-24.143325182034	VS	70	1	-46.79999439453	-24.193326264408	VS	100	1
-46.730891485834	-24.143514330689	VS	70	1	-46.801886402063	-24.193743193934	VS	100	1
-46.730341640996	-24.143919696246	VS	70	1	-46.801450761	-24.194606954746	VS	250	1
-46.729762311132	-24.14432530585	VS	70	1	-46.801246031924	-24.194488335807	VS	250	1
-46.730621400235	-24.143712501894	VS	70	1	-46.801026927545	-24.194347420348	VS	250	1
-46.730051869389	-24.144118044814	VS	70	1	-46.800807507002	-24.194206270501	VS	250	1
-46.789067697221	-24.159244795412	VS	100	1	-46.742594623722	-24.159555490341	VS	100	1
-46.729491948219	-24.144514586773	VS	70	1	-46.742851695335	-24.159717056902	VS	100	1
-46.865144823621	-24.216828941233	VS	70	1	-46.743144346293	-24.159869466264	VS	100	1
-46.864922740445	-24.21698234604	VS	70	1	-46.743497089962	-24.160050664151	VS	100	1
-46.754231630713	-24.159055088328	VS	100	1	-46.771297100056	-24.161404690325	VS	100	1
-46.77586763974	-24.15598811073	VS	70	1	-46.743748389258	-24.160186094625	VS	100	1
-46.775568707399	-24.156213380218	VS	70	1	-46.74404447155	-24.160350940507	VS	100	1
-46.76171631788	-24.164655284517	VS	70	1	-46.744322811718	-24.160500612956	VS	100	1
-46.789693673225	-24.15885694141	VS	100	1	-46.74462096533	-24.160659051684	VS	100	1
-46.789389089381	-24.159044064317	VS	100	1	-46.771026745878	-24.161594057398	VS	100	1
-46.786909403344	-24.183437040608	VS	250	1	-46.744909115467	-24.160808654739	VS	100	1
-46.786730121734	-24.183741732254	VS	250	1	-46.734177840743	-24.147007962594	VS	100	1
-46.786843458549	-24.183553519676	VS	250	1	-46.732906274026	-24.145509323346	VS	70	1
-46.78721028107	-24.182925431223	VS	250	1	-46.734006226422	-24.14680398986	VS	100	1
-46.84499577613	-24.210875089555	VS	70	1	-46.733128401012	-24.145775393988	VS	70	1
-46.779337007035	-24.18178711177	VS	100	1	-46.733784300617	-24.14654683293	VS	100	1
-46.878840057759	-24.230818108017	VS	100	1	-46.733577137148	-24.14614064158	VS	70	1
-46.7939787516	-24.184986697447	VS	100	1	-46.733572443787	-24.146298603469	VS	100	1
-46.83062411118	-24.183473766738	VS	100	1	-46.733629154599	-24.147466869087	VS	70	1
-46.830437241648	-24.183250457788	VS	100	1	-46.733350324558	-24.146032542517	VS	70	1
-46.867161842757	-24.21165088245	VS	70	1	-46.732255981527	-24.145825983979	VS	70	1
-46.867374383765	-24.211911091408	VS	70	1	-46.731716008234	-24.146231486133	VS	70	1
-46.778773501953	-24.179971049405	VS	250	1	-46.732488197177	-24.146092356104	VS	70	1
-46.778545002251	-24.179856748904	VS	250	1	-46.732926821923	-24.147650287861	VS	70	1
-46.780273509293	-24.172525443097	VS	100	1	-46.733339230244	-24.146304378381	VS	70	1
-46.780015448419	-24.172720034233	VS	100	1	-46.73319512053	-24.146952495215	VS	100	1
-46.838757578934	-24.210310645752	VS	70	1	-46.731953158542	-24.146510456488	VS	70	1
-46.838846704098	-24.210050101918	VS	70	1	-46.732730877005	-24.146402736511	VS	70	1
-46.838641819359	-24.210092037349	VS	70	1	-46.732684649624	-24.147366516975	VS	100	1
-46.83833373387	-24.209943017489	VS	70	1	-46.733078623615	-24.146493641541	VS	70	1
-46.753453398997	-24.162348887663	VS	70	1	-46.732972991751	-24.146686424397	VS	70	1
-46.788901627283	-24.178116518521	VS	70	1	-46.732199463243	-24.147097827586	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.791242317976	-24.186178624102	VS	250	1	-46.73219699292	-24.14679496894	VS	70	1
-46.791043336513	-24.186077526172	VS	250	1	-46.732442264292	-24.147073823668	VS	70	1
-46.791029971269	-24.186068221856	VS	250	1	-46.73278879892	-24.146692020707	VS	70	1
-46.790801505042	-24.185957869342	VS	250	1	-46.732499023643	-24.146890364538	VS	70	1
-46.888656117658	-24.226810138373	VS	70	1	-46.779991818971	-24.154494038236	VS	70	1
-46.88834382712	-24.227027473021	VS	70	1	-46.780242821261	-24.154305765704	VS	70	1
-46.791069056314	-24.176290698872	VS	100	1	-46.780504055894	-24.154121535678	VS	70	1
-46.783180721111	-24.173688770614	VS	100	1	-46.781303043772	-24.153586476705	VS	70	1
-46.84801056932	-24.21270455261	VS	70	1	-46.734287522138	-24.101301394986	VS	70	1
-46.878964093264	-24.23047083152	VS	100	1	-46.781551991592	-24.153395133429	VS	70	1
-46.877609787547	-24.231749543046	VS	100	1	-46.780329838003	-24.154981515259	VS	70	1
-46.790784646926	-24.185948982291	VS	250	1	-46.780707944328	-24.153989657709	VS	70	1
-46.790536283866	-24.185825925786	VS	250	1	-46.780827603837	-24.15374706838	VS	70	1
-46.790306433857	-24.185717932534	VS	250	1	-46.781046836958	-24.15377175821	VS	70	1
-46.901731027815	-24.230397276933	VS	70	1	-46.781848852114	-24.152938692581	VS	70	1
-46.902205725356	-24.230920110358	VS	70	1	-46.781837739198	-24.153186353514	VS	70	1
-46.902458415381	-24.231209558162	VS	70	1	-46.78061923986	-24.154792944567	VS	70	1
-46.812254567773	-24.148635497434	VS	70	1	-46.780860258855	-24.154612742988	VS	70	1
-46.834028268554	-24.180206032945	VS	70	1	-46.78101515161	-24.153938942718	VS	70	1
-46.857929313639	-24.223114291436	VS	70	1	-46.782070422272	-24.153179696882	VS	70	1
-46.857600229407	-24.222929181829	VS	70	1	-46.781145898244	-24.154401401356	VS	70	1
-46.886487731501	-24.229143760186	VS	70	1	-46.781217356038	-24.154179916758	VS	70	1
-46.886788220895	-24.228921873165	VS	70	1	-46.885274831882	-24.235220186368	VS	70	1
-46.887091112665	-24.228694352019	VS	70	1	-46.796012213028	-24.190159455796	VS	250	1
-46.887364183815	-24.228492134992	VS	70	1	-46.780611824498	-24.153504816371	VS	70	1
-46.904300802848	-24.224146187213	VS	70	1	-46.781365328102	-24.154325462762	VS	70	1
-46.904049035573	-24.223867434935	VS	70	1	-46.782275419134	-24.153405411164	VS	70	1
-46.903799209691	-24.223584587017	VS	70	1	-46.782432273119	-24.153481672746	VS	70	1
-46.903546128903	-24.223310072608	VS	70	1	-46.781599577426	-24.154075597091	VS	70	1
-46.90403872129	-24.222868872402	VS	70	1	-46.782214608415	-24.15363216802	VS	70	1
-46.723964443064	-24.138661390142	VS	70	1	-46.781929068042	-24.153840305206	VS	70	1
-46.723751958312	-24.138819163175	VS	70	1	-46.886498815201	-24.240395480654	VS	100	1
-46.723040749216	-24.13916728839	VS	70	1	-46.886700484775	-24.240608022345	VS	100	1
-46.722723768256	-24.139445194347	VS	70	1	-46.887717841782	-24.240555514426	VS	100	1
-46.722479346358	-24.139660623015	VS	70	1	-46.887392964704	-24.240397497659	VS	100	1
-46.81289350334	-24.178988409413	VS	70	1	-46.886960571152	-24.241110781082	VS	100	1
-46.813865540783	-24.179505605641	VS	70	1	-46.78060591598	-24.153296759187	VS	70	1
-46.854490533849	-24.208332050693	VS	70	1	-46.780315794826	-24.153486401217	VS	70	1
-46.854288628412	-24.208075939833	VS	70	1	-46.782787720034	-24.157809637277	VS	70	1
-46.775281074408	-24.179485643931	VS	70	1	-46.794888319819	-24.19050402426	VS	100	1
-46.775024366246	-24.179209797238	VS	70	1	-46.794696239784	-24.190850512402	VS	100	1
-46.777580202937	-24.145904952923	VS	70	1	-46.79463564174	-24.190368610399	VS	100	1
-46.777965883266	-24.145838096932	VS	70	1	-46.794514830609	-24.191066006926	VS	100	1
-46.815237389039	-24.175998311173	VS	100	1	-46.794555937073	-24.190470783425	VS	100	1
-46.779929924372	-24.11320593962	VS	70	1	-46.794226826204	-24.191464983457	VS	250	1
-46.772315075743	-24.153233315507	VS	100	1	-46.79427525551	-24.190740847259	VS	100	1
-46.77341757085	-24.158475821138	VS	70	1	-46.793957836753	-24.191055082079	VS	250	1
-46.773105078132	-24.158697219217	VS	70	1	-46.793998728316	-24.191004687169	VS	100	1
-46.77256453692	-24.159081816968	VS	70	1	-46.793710598549	-24.190772949623	VS	100	1
-46.77228490556	-24.159289023965	VS	70	1	-46.886864277045	-24.240796140606	VS	100	1
-46.772033978413	-24.159469313112	VS	70	1	-46.887220725376	-24.240921589089	VS	100	1
-46.841540528811	-24.172091840106	VS	70	1	-46.887676023588	-24.240716706416	VS	100	1
-46.789542893626	-24.185482025414	VS	250	1	-46.887247960084	-24.241167547779	VS	100	1
-46.789288829474	-24.185349198531	VS	250	1	-46.887878140612	-24.24095574936	VS	100	1
-46.789270187518	-24.185340766856	VS	250	1	-46.887396300579	-24.241334446282	VS	100	1
-46.789090395009	-24.185261447794	VS	250	1	-46.888100108733	-24.241194887578	VS	100	1
-46.789068194139	-24.185249464576	VS	250	1	-46.889116607396	-24.243324124403	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.788911334616	-24.185175414022	VS	250	1	-46.888544605024	-24.241699831212	VS	100	1
-46.788891742904	-24.185164783223	VS	250	1	-46.888917976968	-24.243048073964	VS	100	1
-46.892836718861	-24.23938415051	VS	100	1	-46.888795508648	-24.24197277918	VS	100	1
-46.788656609511	-24.185048680612	VS	250	1	-46.793632445099	-24.190697751986	VS	100	1
-46.788436925873	-24.184929903838	VS	250	1	-46.793343899834	-24.190469428402	VS	100	1
-46.788417472659	-24.184923730607	VS	250	1	-46.793038044003	-24.190312698031	VS	100	1
-46.788176630769	-24.184813284525	VS	250	1	-46.797168947688	-24.18976490011	VS	250	1
-46.893309844873	-24.239905318787	VS	100	1	-46.796905930298	-24.189901274977	VS	250	1
-46.787832889155	-24.184646066687	VS	250	1	-46.796622061183	-24.190020132544	VS	250	1
-46.892594343062	-24.239118300957	VS	100	1	-46.796246449697	-24.19012348108	VS	250	1
-46.789999850661	-24.185562259393	VS	250	1	-46.795723163052	-24.190161584823	VS	250	1
-46.789979360195	-24.185551757122	VS	250	1	-46.795403912189	-24.190100795819	VS	250	1
-46.789860943935	-24.185500832617	VS	250	1	-46.795151434491	-24.189993698039	VS	250	1
-46.789841304399	-24.185491652144	VS	250	1	-46.79524201127	-24.191701668642	VS	100	1
-46.789743122332	-24.185448265579	VS	250	1	-46.794594841383	-24.190439582132	VS	100	1
-46.789721775528	-24.185431825238	VS	250	1	-46.888992964013	-24.242198215228	VS	100	1
-46.892378695127	-24.238876905211	VS	100	1	-46.889019212463	-24.241989138587	VS	100	1
-46.789483076542	-24.185307249475	VS	250	1	-46.888028946743	-24.242047977607	VS	100	1
-46.89219017489	-24.238657611836	VS	100	1	-46.888007860555	-24.242742668658	VS	100	1
-46.789214993732	-24.185190389241	VS	250	1	-46.888689447734	-24.242796343191	VS	100	1
-46.788997037627	-24.185079126057	VS	250	1	-46.888264980841	-24.242309036923	VS	100	1
-46.788979344238	-24.185068151107	VS	250	1	-46.888292025948	-24.242536813263	VS	100	1
-46.891988257712	-24.238427460841	VS	100	1	-46.888464972715	-24.242542107104	VS	100	1
-46.788334402975	-24.184656945123	VS	250	1	-46.888818048698	-24.242149914165	VS	100	1
-46.788321327731	-24.184650488596	VS	250	1	-46.888562243094	-24.242329236292	VS	100	1
-46.788020781069	-24.184493419314	VS	250	1	-46.885676649625	-24.232224169571	VS	70	1
-46.788641286926	-24.184804830877	VS	250	2	-46.777929442165	-24.150603941884	VS	70	1
-46.787729622789	-24.184593558532	VS	250	1	-46.778515105764	-24.150884197564	VS	70	1
-46.787786881319	-24.184379017627	VS	250	1	-46.777187490604	-24.150797571579	VS	70	1
-46.787372378576	-24.184417978063	VS	250	2	-46.776879937848	-24.150648319833	VS	70	1
-46.787205827578	-24.184338347394	VS	250	2	-46.779022761538	-24.152244824108	VS	70	1
-46.786964961135	-24.184224536057	VS	250	2	-46.780547463582	-24.151197190679	VS	70	1
-46.78674646351	-24.184119097231	VS	250	2	-46.78027358107	-24.151396037219	VS	70	1
-46.78637894823	-24.183943329513	VS	250	2	-46.779984059919	-24.15160341156	VS	70	1
-46.784899062156	-24.183213923181	VS	250	2	-46.779431959013	-24.15200165766	VS	70	1
-46.787504226019	-24.184242475688	VS	250	2	-46.779410309087	-24.152146003426	VS	70	1
-46.787364950208	-24.184172038959	VS	250	2	-46.88521620591	-24.232535737115	VS	100	1
-46.78714646206	-24.184066600948	VS	250	2	-46.885014253542	-24.232305524022	VS	100	1
-46.786988013386	-24.183987762393	VS	250	2	-46.881819553344	-24.233943812933	VS	70	1
-46.786802375111	-24.183904609718	VS	250	2	-46.881570448089	-24.233780419039	VS	70	1
-46.786421715297	-24.183715252146	VS	250	2	-46.881634054313	-24.233912556823	VS	70	1
-46.786183162454	-24.183592118427	VS	250	2	-46.88329260148	-24.233979759113	VS	70	1
-46.841297607587	-24.171893899389	VS	70	1	-46.884679354651	-24.232879848088	VS	70	1
-46.840561550993	-24.172373251506	VS	70	1	-46.779604054975	-24.152379901715	VS	70	1
-46.842527796616	-24.168348548962	VS	70	1	-46.779803687195	-24.152456133795	VS	70	1
-46.842365224517	-24.168321866949	VS	70	1	-46.779804901208	-24.152583171813	VS	70	1
-46.83907134488	-24.164698111883	VS	70	1	-46.780107635039	-24.152262782458	VS	70	1
-46.839321885223	-24.164910300758	VS	70	1	-46.780387031295	-24.15204663476	VS	70	1
-46.837785876009	-24.167572269512	VS	70	1	-46.780686371035	-24.151839189052	VS	70	1
-46.845139528726	-24.169462608921	VS	70	1	-46.780900886886	-24.151868589518	VS	70	1
-46.844845925746	-24.169220716255	VS	70	1	-46.780947437989	-24.151641050716	VS	70	1
-46.8308824133	-24.157847017348	VS	70	1	-46.780686424899	-24.151622506662	VS	70	1
-46.830588300393	-24.157603123175	VS	70	1	-46.781087770159	-24.152075221866	VS	70	1
-46.830312139899	-24.157369547565	VS	70	1	-46.781041137194	-24.152311819252	VS	70	1
-46.836068808301	-24.163757405361	VS	70	1	-46.78129149474	-24.152308745557	VS	70	1
-46.83595171668	-24.163876733002	VS	70	1	-46.78133026475	-24.152098797154	VS	70	1
-46.849755341632	-24.141430822956	VS	70	1	-46.881851494128	-24.233748426462	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.849520423694	-24.141692550421	VS	70	1	-46.884478897706	-24.232633751737	VS	70	1
-46.849356344878	-24.141967350999	VS	70	1	-46.88378379581	-24.233656778105	VS	70	1
-46.849160396369	-24.142278159706	VS	70	1	-46.883574425097	-24.233399583345	VS	70	1
-46.848962539287	-24.142594479089	VS	70	1	-46.884237101513	-24.233257508575	VS	70	1
-46.850235459836	-24.140807151324	VS	70	1	-46.780786848328	-24.152501598442	VS	70	1
-46.849837485123	-24.142809338098	VS	70	1	-46.780500971091	-24.152705964081	VS	70	1
-46.850592548762	-24.141947532528	VS	70	1	-46.780226467778	-24.152893703624	VS	70	1
-46.850221943713	-24.14170853587	VS	70	1	-46.78020563874	-24.153027451802	VS	70	1
-46.849984401535	-24.141539792371	VS	70	1	-46.780393059888	-24.153247903025	VS	70	1
-46.849366805904	-24.140191252917	VS	70	1	-46.780866411001	-24.153107449931	VS	70	1
-46.851570929266	-24.141196381127	VS	70	1	-46.781155757239	-24.152891134708	VS	70	1
-46.851049682613	-24.14055898615	VS	70	1	-46.781387458599	-24.15272880436	VS	70	1
-46.851883887587	-24.141422715427	VS	70	1	-46.781434359791	-24.152469404455	VS	70	1
-46.847751642483	-24.151939777451	VS	70	1	-46.78166019828	-24.152727864643	VS	70	1
-46.848452539277	-24.162129200077	VS	70	1	-46.780045818249	-24.153684615652	VS	70	1
-46.848241108425	-24.161885110041	VS	70	1	-46.8840266356	-24.233012321731	VS	70	1
-46.84805474628	-24.161662269268	VS	70	1	-46.869783750464	-24.230753967578	VS	100	1
-46.847831954423	-24.161417048612	VS	70	1	-46.869513270482	-24.230943551713	VS	100	1
-46.858640987688	-24.166114839823	VS	70	1	-46.869820215317	-24.231618978541	VS	100	1
-46.858428107746	-24.165868539918	VS	70	1	-46.870044537481	-24.230573433364	VS	100	1
-46.858179248279	-24.165584312345	VS	70	1	-46.869485095092	-24.231428316881	VS	100	1
-46.857936867362	-24.165304300003	VS	70	1	-46.78162565597	-24.152535945906	VS	70	1
-46.857690219183	-24.165020131999	VS	70	1	-46.781907130383	-24.152334836882	VS	70	1
-46.857443497035	-24.164737981346	VS	70	1	-46.782213063045	-24.152121674229	VS	70	1
-46.857253649843	-24.164414946935	VS	70	1	-46.782535682753	-24.15189941616	VS	70	1
-46.857019774643	-24.164104184935	VS	70	1	-46.796998518897	-24.187376839977	VS	100	1
-46.819540676299	-24.182125018501	VS	70	1	-46.796825681419	-24.187173104615	VS	100	1
-46.81926719061	-24.181901527782	VS	70	1	-46.79662804236	-24.187283300315	VS	100	1
-46.819027502531	-24.181707311438	VS	70	1	-46.796377552134	-24.187194219487	VS	100	1
-46.819214211339	-24.182171174669	VS	70	1	-46.796090557564	-24.187142627349	VS	100	1
-46.833307894388	-24.173401642685	VS	70	1	-46.795771756445	-24.18706386578	VS	100	1
-46.83329472458	-24.173669430545	VS	70	1	-46.795466383479	-24.186975160518	VS	100	1
-46.829961321451	-24.176324684886	VS	70	1	-46.86920428839	-24.231160138617	VS	100	1
-46.785944866848	-24.183477908077	VS	250	2	-46.870525430219	-24.229251799155	VS	100	1
-46.772946921486	-24.174472136764	VS	100	1	-46.869221460431	-24.231277709832	VS	100	1
-46.784680568612	-24.183108472836	VS	250	2	-46.870107526333	-24.230233794559	VS	100	1
-46.784319876157	-24.182928048262	VS	250	2	-46.869994099957	-24.229621972345	VS	100	1
-46.784163884449	-24.182853494509	VS	250	2	-46.86976879956	-24.230048941566	VS	100	1
-46.783925659686	-24.182739328359	VS	250	2	-46.869733528116	-24.229811429714	VS	100	1
-46.783647434352	-24.182598638326	VS	250	2	-46.869463361819	-24.230000806109	VS	100	1
-46.783339227096	-24.182440266747	VS	250	2	-46.868719967934	-24.230533220998	VS	100	1
-46.783111142853	-24.182343816851	VS	250	2	-46.869286105249	-24.230132225538	VS	100	1
-46.78285275807	-24.182211897629	VS	250	2	-46.868961127536	-24.230361901891	VS	100	1
-46.782594586624	-24.182080083107	VS	250	2	-46.884012878422	-24.239521179684	VS	100	1
-46.782050182133	-24.181817198847	VS	250	2	-46.883773440156	-24.239371385256	VS	100	1
-46.781839430355	-24.181710787423	VS	250	2	-46.795207522412	-24.186762429102	VS	100	1
-46.781571237644	-24.181578946064	VS	250	2	-46.794936505811	-24.186523323756	VS	100	1
-46.781263446465	-24.181429589022	VS	250	2	-46.779999143635	-24.152806499048	VS	70	1
-46.781167519596	-24.18138596253	VS	250	2	-46.779693928502	-24.151802131278	VS	100	1
-46.780806654156	-24.181209916483	VS	250	2	-46.792863929081	-24.186131964716	VS	250	1
-46.772834720259	-24.174295046053	VS	100	1	-46.792760210177	-24.186311189196	VS	250	1
-46.781832808226	-24.181474094615	VS	250	2	-46.792434104222	-24.186335846616	VS	250	1
-46.781594260313	-24.181359745036	VS	250	2	-46.795980857575	-24.187653796008	VS	150	1
-46.781266539072	-24.181192777917	VS	250	2	-46.795783816371	-24.18782027469	VS	150	1
-46.781014422987	-24.181074463178	VS	250	2	-46.7957306938	-24.187544293251	VS	250	2
-46.780672023479	-24.180901146682	VS	250	2	-46.795682785958	-24.187874282899	VS	150	1
-46.780469146395	-24.181048906333	VS	250	2	-46.881380009957	-24.239515352799	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.780231673455	-24.180955690387	VS	250	2	-46.883493996848	-24.239186334228	VS	100	1
-46.779930879779	-24.180798077262	VS	250	2	-46.881507906474	-24.237899529178	VS	100	1
-46.779605298483	-24.180629218876	VS	250	2	-46.880820863412	-24.238324405341	VS	100	1
-46.779486864214	-24.180570479085	VS	250	2	-46.881767178161	-24.238066833167	VS	100	1
-46.779128308341	-24.180383846038	VS	250	2	-46.881189992162	-24.239365388542	VS	70	1
-46.778899633788	-24.180269450954	VS	250	2	-46.883214420041	-24.239001179968	VS	100	1
-46.778671123633	-24.180155150284	VS	250	2	-46.881120290291	-24.238518324629	VS	100	1
-46.778432596455	-24.180031997548	VS	250	2	-46.88290522038	-24.238807378254	VS	100	1
-46.778178827368	-24.179904662151	VS	250	2	-46.882846607426	-24.238255073838	VS	100	1
-46.777825492756	-24.179741918566	VS	250	2	-46.882046740781	-24.238251989292	VS	100	1
-46.777468580087	-24.179547628283	VS	250	2	-46.881409882623	-24.238712319454	VS	100	1
-46.780570955398	-24.180849822184	VS	250	1	-46.882336344088	-24.238445982726	VS	100	1
-46.780253559281	-24.180700656915	VS	250	2	-46.795472319572	-24.187985952644	VS	150	1
-46.780025056691	-24.180586358289	VS	250	2	-46.79538875357	-24.187321639145	VS	250	2
-46.829900144174	-24.176637463089	VS	70	1	-46.795231617754	-24.187985774811	VS	150	1
-46.838530524163	-24.172780592485	VS	70	1	-46.79516838574	-24.187135963821	VS	250	2
-46.839128985803	-24.172331454756	VS	70	1	-46.794938150102	-24.186950313075	VS	250	2
-46.839522484481	-24.172071363179	VS	70	1	-46.794959290503	-24.187845166847	VS	150	1
-46.839623163911	-24.172029709867	VS	70	1	-46.794727916098	-24.186782308788	VS	250	2
-46.83994317063	-24.17193156768	VS	70	1	-46.794615784522	-24.18767859121	VS	150	1
-46.840183411914	-24.17184779903	VS	70	1	-46.7945177398	-24.186614359956	VS	250	2
-46.839380120037	-24.171818401096	VS	70	1	-46.794347291518	-24.187555046989	VS	150	1
-46.829690701207	-24.180187813843	VS	70	1	-46.794118761591	-24.187440766244	VS	150	1
-46.847711213352	-24.208486648506	VS	70	1	-46.881466436271	-24.239256624459	VS	70	1
-46.852559259112	-24.205062234226	VS	70	1	-46.8826156153	-24.238613385689	VS	100	1
-46.852933500078	-24.205514280413	VS	70	1	-46.882566389955	-24.238444706318	VS	100	1
-46.853125247951	-24.205726918584	VS	70	1	-46.881701210014	-24.238873568025	VS	100	1
-46.851775723272	-24.205886904364	VS	70	1	-46.881998040391	-24.239064539218	VS	100	1
-46.851561691956	-24.205640630403	VS	70	1	-46.881708034957	-24.239094069914	VS	70	1
-46.851322516878	-24.206303183153	VS	70	1	-46.882296445343	-24.23865209048	VS	100	1
-46.851515785633	-24.206535249593	VS	70	1	-46.88203586782	-24.238841568811	VS	100	1
-46.851706980283	-24.206764301957	VS	70	1	-46.793907252599	-24.187342111251	VS	250	1
-46.853845425455	-24.206582270194	VS	70	1	-46.793172990787	-24.187057488175	VS	150	1
-46.853035183578	-24.207161697939	VS	70	1	-46.792977601796	-24.185943224159	VS	250	1
-46.851277248862	-24.20839601389	VS	70	1	-46.792949793081	-24.186994563021	VS	250	1
-46.860814410219	-24.211028077628	VS	70	1	-46.792952819144	-24.187132498246	VS	150	1
-46.860994892186	-24.21126172494	VS	70	1	-46.792784953646	-24.187045083043	VS	250	1
-46.861163355654	-24.211483098375	VS	70	1	-46.792751134749	-24.186897902748	VS	150	1
-46.861351832474	-24.211748610243	VS	70	1	-46.792552694638	-24.186810164902	VS	150	1
-46.861594806602	-24.212048018789	VS	70	1	-46.793536022537	-24.186145180404	VS	150	1
-46.86017791457	-24.215816663589	VS	70	1	-46.793398430952	-24.186388292697	VS	150	1
-46.854222701009	-24.214577423006	VS	70	1	-46.793264222084	-24.186628640311	VS	150	1
-46.870375757977	-24.227811749492	VS	70	1	-46.79312169046	-24.186879684803	VS	150	1
-46.881119320509	-24.222458580023	VS	70	1	-46.777566820854	-24.15479780312	VS	100	1
-46.881321000453	-24.222679826319	VS	70	1	-46.717905168624	-24.137442672053	VS	100	1
-46.881543761089	-24.222936762657	VS	70	1	-46.777036180987	-24.155167286903	VS	100	1
-46.881475211922	-24.222469259617	VS	70	1	-46.776804189463	-24.155329781735	VS	100	1
-46.882097219085	-24.222719303292	VS	70	1	-46.779915310677	-24.15478353186	VS	70	1
-46.758170824158	-24.1596599998	VS	70	1	-46.779819540833	-24.154505213963	VS	70	1
-46.755666661916	-24.157659608365	VS	70	1	-46.779685301928	-24.154120959412	VS	70	1
-46.755838674487	-24.157401447261	VS	70	1	-46.777306804236	-24.15570041373	VS	70	1
-46.756101161748	-24.157535240542	VS	70	1	-46.777249935706	-24.15574776528	VS	70	1
-46.761388801284	-24.164897918648	VS	70	1	-46.777004704539	-24.155926175607	VS	70	1
-46.778579819508	-24.153878799598	VS	70	1	-46.776734577326	-24.156124477966	VS	70	1
-46.778264970296	-24.153734829037	VS	70	1	-46.794773959201	-24.187114876265	VS	150	1
-46.798849256831	-24.157060339857	VS	70	1	-46.794619478112	-24.187287524285	VS	150	1
-46.798501219544	-24.157288208228	VS	70	1	-46.794506365621	-24.187484666383	VS	150	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.787983186014	-24.169882754351	VS	70	1	-46.780145134955	-24.155417429105	VS	70	1
-46.854410472454	-24.171335388572	VS	70	1	-46.780293014853	-24.155831524798	VS	70	1
-46.854136985087	-24.171027194627	VS	70	1	-46.780480978616	-24.156483501708	VS	70	1
-46.853817338462	-24.170671020972	VS	70	1	-46.794404085818	-24.187016831156	VS	150	1
-46.853664120683	-24.170501111284	VS	70	1	-46.794196929899	-24.187098649157	VS	250	1
-46.852481212349	-24.169175491124	VS	70	1	-46.793639652367	-24.187008333036	VS	150	1
-46.854850061332	-24.170960486836	VS	70	1	-46.793783236294	-24.186760535691	VS	150	1
-46.854548671126	-24.17061498193	VS	70	1	-46.793930654236	-24.186484264013	VS	150	1
-46.854226277392	-24.17027353905	VS	70	1	-46.793719113236	-24.187151680984	VS	150	1
-46.855013314048	-24.170340139021	VS	70	1	-46.793448981127	-24.187106816058	VS	150	1
-46.855346362153	-24.170643938986	VS	70	1	-46.793879792359	-24.186094403125	VS	250	2
-46.841853179521	-24.208970014693	VS	70	1	-46.794083453898	-24.186258367929	VS	250	2
-46.827797191078	-24.198960122112	VS	70	1	-46.794306863899	-24.186436906924	VS	250	2
-46.724499318287	-24.141922217977	VS	70	1	-46.793749088968	-24.187386568892	VS	150	1
-46.724676680942	-24.141656104845	VS	70	1	-46.793526210583	-24.187288464645	VS	250	1
-46.724646709619	-24.141450229144	VS	70	1	-46.793266204723	-24.187225252652	VS	150	1
-46.724872379662	-24.141092325077	VS	70	1	-46.73310826601	-24.156044974876	VS	100	1
-46.724867687347	-24.14085867932	VS	70	1	-46.792961548256	-24.187227576771	VS	150	1
-46.832053082853	-24.19348892365	VS	100	1	-46.792592371321	-24.187215169612	VS	150	1
-46.770240647962	-24.16663245777	VS	100	1	-46.792401614699	-24.187206153512	VS	150	1
-46.770139568363	-24.166829084584	VS	100	1	-46.792347375816	-24.18715459804	VS	100	1
-46.769869391011	-24.167018317751	VS	100	1	-46.79243083984	-24.186948758279	VS	100	1
-46.76957002371	-24.167234768901	VS	100	1	-46.792147924018	-24.187163742428	VS	150	1
-46.769338728601	-24.167405841913	VS	100	1	-46.794636285601	-24.18628466417	VS	250	1
-46.769124713387	-24.167560679706	VS	100	1	-46.794706411495	-24.187002277326	VS	250	1
-46.74906148548	-24.16403898075	VS	100	1	-46.792666036476	-24.186488549759	VS	250	1
-46.775871832607	-24.110156010567	VS	100	1	-46.78438169872	-24.157405926103	VS	70	1
-46.762338552348	-24.166405801461	VS	100	1	-46.784072966256	-24.157631285014	VS	70	1
-46.761984451784	-24.166225236036	VS	100	1	-46.73336947547	-24.155845633624	VS	100	1
-46.762564272876	-24.166523894618	VS	100	1	-46.734949441327	-24.154215254762	VS	100	1
-46.8712445531	-24.221792469409	VS	70	1	-46.733125713308	-24.155357655595	VS	100	1
-46.868440743325	-24.226055944395	VS	100	1	-46.733648504077	-24.15564845881	VS	100	1
-46.913829928492	-24.242605909609	VS	100	1	-46.734647657077	-24.154309795513	VS	100	1
-46.782504202425	-24.167906870203	VS	70	1	-46.733436294293	-24.155137916079	VS	100	1
-46.91029517072	-24.242779988447	VS	100	1	-46.733939910852	-24.155432706855	VS	100	1
-46.908884427216	-24.240748576658	VS	100	1	-46.733753914884	-24.154930408482	VS	100	1
-46.909177902609	-24.240517167963	VS	100	1	-46.734198406359	-24.155249894156	VS	100	1
-46.791363246502	-24.162267035907	VS	70	1	-46.734367582357	-24.154508133414	VS	100	1
-46.793628030913	-24.16145378685	VS	70	1	-46.735135018732	-24.154582850805	VS	100	1
-46.79302878342	-24.160484099998	VS	70	1	-46.78473063285	-24.156429576072	VS	70	1
-46.749714736473	-24.159828038305	VS	100	1	-46.784219415945	-24.156444692154	VS	70	1
-46.797785708721	-24.190454272857	VS	250	1	-46.783633681093	-24.15721698641	VS	70	1
-46.798425455133	-24.190239503025	VS	100	1	-46.784030910327	-24.156340869199	VS	70	1
-46.798712174725	-24.190243119713	VS	100	1	-46.78449084149	-24.156599359731	VS	70	1
-46.7981011115219	-24.19022409999	VS	100	1	-46.783797124842	-24.15635755928	VS	70	1
-46.797705514928	-24.190346536684	VS	100	1	-46.783266525704	-24.156745170895	VS	70	1
-46.798370836287	-24.189801682256	VS	100	1	-46.784204581757	-24.156806831812	VS	70	1
-46.798039096023	-24.189742573444	VS	100	1	-46.783919998229	-24.157015593819	VS	70	1
-46.79876808406	-24.190515553466	VS	100	1	-46.783358657526	-24.157415256027	VS	70	1
-46.798736416619	-24.190745565739	VS	100	1	-46.783041991013	-24.157635326128	VS	70	1
-46.873979509076	-24.231515749563	VS	100	1	-46.782493521595	-24.158040822454	VS	70	1
-46.874291760449	-24.231298826112	VS	100	1	-46.73483583671	-24.154799118029	VS	100	1
-46.874538584347	-24.231129770082	VS	100	1	-46.734478697537	-24.155060470026	VS	100	1
-46.874849677353	-24.230920955632	VS	100	1	-46.734313436222	-24.154693000546	VS	100	1
-46.875158011999	-24.230715320483	VS	100	1	-46.73457998162	-24.154849435079	VS	100	1
-46.875233150232	-24.230669347514	VS	100	1	-46.782181044299	-24.158253829895	VS	70	1
-46.875113645112	-24.23052289641	VS	100	1	-46.781906265523	-24.158455276681	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.874786803591	-24.230312228852	VS	100	1	-46.781582361319	-24.158677459739	VS	70	1
-46.874571052257	-24.23023395262	VS	100	1	-46.783536736583	-24.15654679511	VS	100	1
-46.874506930859	-24.23032334074	VS	100	1	-46.781288322885	-24.158895294245	VS	100	1
-46.874194735077	-24.230538634486	VS	100	1	-46.781025566243	-24.159085162366	VS	100	1
-46.873880665007	-24.230757131501	VS	100	1	-46.780784424208	-24.159259265223	VS	100	1
-46.873568572202	-24.230969171598	VS	100	1	-46.778192043744	-24.111582452933	VS	100	1
-46.873260620063	-24.231190276649	VS	100	1	-46.783318682387	-24.112118639736	VS	100	1
-46.749761735267	-24.159915420761	VS	100	1	-46.783128675616	-24.112378774552	VS	100	1
-46.749600359164	-24.16014855578	VS	100	1	-46.782900477437	-24.112683824422	VS	100	1
-46.749399947034	-24.160196378792	VS	100	1	-46.782710220041	-24.112935080081	VS	100	1
-46.749062016273	-24.160020331298	VS	100	1	-46.782510603421	-24.113204216309	VS	100	1
-46.749718017166	-24.160363640199	VS	100	1	-46.782401181109	-24.109850330773	VS	100	1
-46.750045939089	-24.160539632488	VS	100	1	-46.782249315828	-24.110065602081	VS	100	1
-46.75029445118	-24.160671684516	VS	100	1	-46.782106671181	-24.110253999748	VS	100	1
-46.750592575819	-24.160830093489	VS	100	1	-46.781888195473	-24.110549895674	VS	100	1
-46.750400875638	-24.160856063902	VS	100	1	-46.781498089033	-24.111070612439	VS	100	1
-46.750249802442	-24.161081616594	VS	100	1	-46.781298702208	-24.111348643024	VS	100	1
-46.749426796363	-24.159687366191	VS	100	1	-46.781108424192	-24.111599914024	VS	100	1
-46.798392214692	-24.190721383283	VS	100	1	-46.781149577287	-24.113407249174	VS	100	1
-46.79803840028	-24.190706193852	VS	100	1	-46.780852012385	-24.11322301224	VS	100	1
-46.750695952967	-24.160408294699	VS	100	1	-46.780718734536	-24.112129267641	VS	100	1
-46.750290959503	-24.160118370082	VS	100	1	-46.780572385624	-24.113054886351	VS	100	1
-46.873879508206	-24.230050809946	VS	100	1	-46.780528692081	-24.112389442701	VS	100	1
-46.873682720724	-24.23018216459	VS	100	1	-46.780328938893	-24.112658752187	VS	100	1
-46.873429646525	-24.230352681557	VS	100	1	-46.780303254845	-24.112887212703	VS	100	1
-46.87314989162	-24.230552579231	VS	100	1	-46.780129566671	-24.112936772041	VS	100	1
-46.872870493489	-24.230741098284	VS	100	1	-46.779994432362	-24.112693214387	VS	100	1
-46.750002988827	-24.159977689056	VS	100	1	-46.779665879215	-24.112490492302	VS	100	1
-46.749981377723	-24.16112902075	VS	100	1	-46.779357068285	-24.112296502229	VS	100	1
-46.749683166544	-24.160970563088	VS	100	1	-46.779068333653	-24.11212020614	VS	100	1
-46.845068448201	-24.201623779488	VS	70	1	-46.778769595852	-24.111935085822	VS	100	1
-46.831006990348	-24.175975849744	VS	100	1	-46.778490875848	-24.111767639932	VS	100	1
-46.831130690528	-24.175688684698	VS	100	1	-46.777883314821	-24.111388498666	VS	100	1
-46.831135105056	-24.174968572574	VS	100	1	-46.783573925997	-24.111981326703	VS	70	1
-46.831139548938	-24.174604858607	VS	100	1	-46.78329498973	-24.111804975399	VS	70	1
-46.830383517594	-24.175862860138	VS	100	1	-46.78300652451	-24.11163766447	VS	70	1
-46.830520796559	-24.175576734855	VS	100	1	-46.782906890513	-24.125806653223	VS	100	1
-46.830508854523	-24.175204421757	VS	100	1	-46.783233933113	-24.125903332418	VS	100	1
-46.83053475254	-24.174862501477	VS	100	1	-46.782573501295	-24.125710609224	VS	100	1
-46.830534453208	-24.174495105457	VS	100	1	-46.782841362061	-24.109725948768	VS	100	1
-46.829698875541	-24.176108944015	VS	70	1	-46.783153773693	-24.109899727706	VS	100	1
-46.829832751123	-24.175097102479	VS	100	1	-46.777594574408	-24.111212209062	VS	100	1
-46.829815242873	-24.17476753561	VS	100	1	-46.777315669295	-24.11103584869	VS	100	1
-46.829766835335	-24.174396937581	VS	100	1	-46.777036953391	-24.110868400655	VS	100	1
-46.829801507811	-24.175782533219	VS	100	1	-46.776765121837	-24.110490003786	VS	100	1
-46.82989848169	-24.175480788578	VS	100	1	-46.776738362296	-24.110692152487	VS	100	1
-46.912227528085	-24.242158918352	VS	70	1	-46.776536896503	-24.110804247087	VS	100	1
-46.912532905101	-24.24194180795	VS	70	1	-46.776498740089	-24.110533088797	VS	100	1
-46.90312177163	-24.2338316292	VS	100	1	-46.855642670774	-24.214362497609	VS	70	1
-46.720679127623	-24.147346296692	VS	100	1	-46.776337210754	-24.111073453373	VS	100	1
-46.720150355745	-24.147926395274	VS	100	1	-46.776190920059	-24.110337642157	VS	100	1
-46.720690825464	-24.147539001834	VS	100	1	-46.77613735719	-24.111333693035	VS	100	1
-46.830780587432	-24.163682905855	VS	70	1	-46.775938092289	-24.11161155632	VS	100	1
-46.82840691229	-24.180184018354	VS	70	1	-46.783290617953	-24.114729541244	VS	100	1
-46.792268159614	-24.164415877547	VS	70	1	-46.782932134066	-24.114509165138	VS	100	1
-46.867465723835	-24.211548952375	VS	70	1	-46.782554097961	-24.114288986919	VS	100	1
-46.867742533529	-24.211301771801	VS	70	1	-46.782301159849	-24.113473459079	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867947211201	-24.211162089172	VS	70	1	-46.782155552036	-24.114033250535	VS	100	1
-46.868247888384	-24.211018991725	VS	70	1	-46.782092100833	-24.113760581318	VS	100	1
-46.868592854592	-24.210836874884	VS	70	1	-46.781902170309	-24.114020625977	VS	100	1
-46.868249501462	-24.211276137103	VS	70	1	-46.781826587723	-24.113830268585	VS	100	1
-46.86847623289	-24.211511917231	VS	70	1	-46.855430411589	-24.214114318701	VS	70	1
-46.868751729999	-24.211772843231	VS	70	1	-46.854678701405	-24.215110589794	VS	70	1
-46.868992920914	-24.212006905783	VS	70	1	-46.856124502594	-24.213983936439	VS	70	1
-46.868224931434	-24.211408307552	VS	70	1	-46.855537597965	-24.21348300935	VS	70	1
-46.868454337018	-24.211242337163	VS	70	1	-46.854791579496	-24.214007805259	VS	100	1
-46.868646317561	-24.211091236418	VS	70	1	-46.854542670161	-24.214187060619	VS	100	1
-46.868939365058	-24.21086778372	VS	70	1	-46.854279718506	-24.214368835847	VS	70	1
-46.868871797482	-24.211320733654	VS	70	1	-46.854038738436	-24.214549090833	VS	70	1
-46.869145035136	-24.211577973019	VS	70	1	-46.853826402259	-24.214702446575	VS	70	1
-46.787254869654	-24.177097400676	VS	100	1	-46.853584836136	-24.214864958771	VS	100	1
-46.844557657471	-24.204815061862	VS	100	1	-46.781488206977	-24.113618839274	VS	100	1
-46.843712345918	-24.203826709706	VS	100	1	-46.780892362918	-24.161226690702	VS	70	1
-46.872513074096	-24.22881408455	VS	100	1	-46.781510310885	-24.160793798776	VS	70	1
-46.867745594013	-24.22964868954	VS	100	1	-46.782057135835	-24.16286296234	VS	70	1
-46.837028589806	-24.160454901035	VS	100	1	-46.779424224416	-24.160235843511	VS	70	1
-46.832513381585	-24.160068116372	VS	100	1	-46.779683807237	-24.16004581863	VS	70	1
-46.840258555994	-24.172595787004	VS	70	1	-46.779953927726	-24.15984669084	VS	70	1
-46.834483274182	-24.180736967222	VS	70	1	-46.780234045031	-24.159654889754	VS	70	1
-46.834252974492	-24.180462443601	VS	70	1	-46.78049378	-24.15946017024	VS	70	1
-46.832445792835	-24.179426050115	VS	70	1	-46.853384162646	-24.215008786087	VS	70	1
-46.825851916346	-24.183029428509	VS	70	1	-46.852951224102	-24.21353569752	VS	70	1
-46.825659870951	-24.182685382957	VS	70	1	-46.85277246546	-24.212848517754	VS	70	1
-46.825834976036	-24.182612557428	VS	70	1	-46.852511911031	-24.213037947002	VS	100	1
-46.813599488469	-24.177386118593	VS	100	1	-46.852309167654	-24.213182311697	VS	70	1
-46.815573784104	-24.180496803358	VS	100	1	-46.852729370293	-24.213296513512	VS	70	1
-46.815856286988	-24.180675612005	VS	100	1	-46.852296727804	-24.213793859424	VS	70	1
-46.815278167178	-24.180329859365	VS	100	1	-46.852071947449	-24.213540971171	VS	70	1
-46.818028901244	-24.186798218961	VS	100	1	-46.851862133994	-24.213288581152	VS	70	1
-46.819708988561	-24.186119585041	VS	100	1	-46.851960853218	-24.212630573473	VS	70	1
-46.819742838821	-24.19301278082	VS	100	1	-46.78058340736	-24.161443127036	VS	70	1
-46.816796559724	-24.192694211594	VS	100	1	-46.781809575341	-24.160577344209	VS	70	1
-46.816369709574	-24.193767547404	VS	100	1	-46.781201317472	-24.161010253591	VS	70	1
-46.816230932144	-24.194022309272	VS	100	1	-46.782925589421	-24.160566436827	VS	70	1
-46.818135614527	-24.200821212711	VS	100	1	-46.783772378722	-24.159985359317	VS	70	1
-46.819213410001	-24.195799215088	VS	100	1	-46.784023213105	-24.159814071174	VS	70	1
-46.819584655044	-24.195892048724	VS	100	1	-46.782618762328	-24.160786119376	VS	70	1
-46.818216712808	-24.190858827685	VS	100	1	-46.782312863516	-24.160993682703	VS	70	1
-46.914544510371	-24.225752876592	VS	100	1	-46.782030551966	-24.161187347222	VS	70	1
-46.914019578125	-24.226132589	VS	100	1	-46.781799016461	-24.161449855206	VS	70	1
-46.843692383736	-24.214199851746	VS	100	1	-46.781526371587	-24.161657273864	VS	70	1
-46.843508264048	-24.213986229443	VS	100	1	-46.781260596782	-24.161839836577	VS	70	1
-46.883907819291	-24.230269458635	VS	100	1	-46.781050570093	-24.161991513679	VS	70	1
-46.885653417066	-24.230362078921	VS	100	1	-46.780830508012	-24.16213430238	VS	70	1
-46.885448062822	-24.230265687336	VS	100	1	-46.783141355527	-24.161367581399	VS	70	1
-46.884942333389	-24.230000579125	VS	100	1	-46.783392902776	-24.161195944801	VS	70	1
-46.885250629601	-24.230162098418	VS	100	1	-46.783719944818	-24.160997700779	VS	70	1
-46.88493080933	-24.230370691009	VS	100	1	-46.783907246627	-24.160883139218	VS	70	1
-46.884561706356	-24.230626348684	VS	100	1	-46.784390075058	-24.16054942623	VS	70	1
-46.887334997454	-24.227566090413	VS	100	1	-46.784167922262	-24.160702783158	VS	70	1
-46.887722748265	-24.227462595446	VS	100	1	-46.782629087313	-24.161719632819	VS	70	1
-46.844104778507	-24.202000530227	VS	100	1	-46.782299191758	-24.161918786782	VS	100	1
-46.845879278145	-24.202407370886	VS	100	1	-46.781982037389	-24.162119212427	VS	70	1
-46.844090603555	-24.203412455799	VS	100	1	-46.783421795121	-24.16190568838	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.813642576907	-24.188333364806	VS	100	1	-46.783164379719	-24.162081516977	VS	70	1
-46.813833960245	-24.188561811095	VS	100	1	-46.78292397313	-24.162270185659	VS	70	1
-46.814026681531	-24.188819100013	VS	100	1	-46.782569387319	-24.162500265517	VS	70	1
-46.814220676149	-24.189088270767	VS	100	1	-46.782324421511	-24.162670360607	VS	70	1
-46.814236576999	-24.188886894897	VS	100	1	-46.781805242415	-24.163035704501	VS	70	1
-46.857377395255	-24.210892575175	VS	100	1	-46.807034441067	-24.196491507577	VS	250	1
-46.857666279985	-24.210685857399	VS	100	1	-46.781576931639	-24.162968965658	VS	70	1
-46.847746062954	-24.21174158497	VS	100	1	-46.781356111874	-24.162712229334	VS	70	1
-46.849596755537	-24.211396659109	VS	100	1	-46.780921029756	-24.162215454473	VS	70	1
-46.849393419785	-24.211163629849	VS	100	1	-46.807243084901	-24.196333376134	VS	250	1
-46.887069127816	-24.200125024601	VS	100	1	-46.806776848594	-24.196633701711	VS	250	1
-46.887380753451	-24.199910246168	VS	100	1	-46.780567737999	-24.162321346573	VS	70	1
-46.859724981343	-24.225655872941	VS	100	1	-46.780273615496	-24.162527671565	VS	70	1
-46.866183954487	-24.228631744003	VS	100	1	-46.779998383761	-24.16271591997	VS	70	1
-46.865518018731	-24.219031511857	VS	100	1	-46.779731166578	-24.162906048788	VS	70	1
-46.847170471823	-24.202400118309	VS	70	1	-46.805764194884	-24.197368358215	VS	250	1
-46.88837472617	-24.237517385557	VS	100	1	-46.779464215354	-24.163086285169	VS	70	1
-46.824457951333	-24.193065785589	VS	100	1	-46.784597697203	-24.160419892027	VS	70	1
-46.8621714101	-24.2115859359	VS	100	1	-46.781149402661	-24.162679455542	VS	100	1
-46.910014268528	-24.242469060849	VS	100	1	-46.780881878477	-24.162867315141	VS	100	1
-46.90976127474	-24.242176268359	VS	100	1	-46.780602049787	-24.163053417773	VS	100	1
-46.909505835829	-24.241898142944	VS	100	1	-46.80598612444	-24.19575708878	VS	100	1
-46.909161942085	-24.242088980961	VS	100	1	-46.805890225323	-24.196122040924	VS	100	1
-46.908823646253	-24.242261592899	VS	100	1	-46.805681475901	-24.197208678052	VS	100	1
-46.909350207251	-24.241530383138	VS	100	1	-46.805434226167	-24.196492941229	VS	100	1
-46.711398911041	-24.142188720159	VS	100	1	-46.805249415584	-24.196382359397	VS	100	1
-46.711102550816	-24.14240928294	VS	100	1	-46.805183101891	-24.197182394861	VS	100	1
-46.710781657327	-24.14263340956	VS	100	1	-46.804952711049	-24.196721595823	VS	100	1
-46.71051415329	-24.142834147532	VS	100	1	-46.795560950026	-24.179668503237	VS	250	1
-46.710189107155	-24.143063411593	VS	100	1	-46.795752091467	-24.179344489237	VS	250	1
-46.710599472943	-24.143331753272	VS	100	1	-46.787054682846	-24.183190199111	VS	250	1
-46.710825295897	-24.143166218156	VS	100	1	-46.857612826021	-24.207753108853	VS	70	1
-46.711067920343	-24.142992374797	VS	100	1	-46.857383297384	-24.20762582211	VS	70	1
-46.711324159487	-24.14280298436	VS	100	1	-46.857193836558	-24.207642778033	VS	70	1
-46.711559586169	-24.142636347942	VS	100	1	-46.856917890892	-24.207835683533	VS	70	1
-46.711822665528	-24.142444192034	VS	100	1	-46.856696904212	-24.207960976039	VS	70	1
-46.711776140145	-24.142290399727	VS	100	1	-46.844885419571	-24.208743262727	VS	70	1
-46.71156740205	-24.142175882854	VS	100	1	-46.887712382664	-24.204157378859	VS	70	1
-46.710214771339	-24.143169972334	VS	100	1	-46.88578648897	-24.205315031028	VS	70	1
-46.710461121304	-24.143328426208	VS	100	1	-46.886008644024	-24.205563124266	VS	70	1
-46.712073972795	-24.142448758335	VS	100	1	-46.886220929354	-24.205811238836	VS	70	1
-46.712012731552	-24.142303458941	VS	100	1	-46.886433468368	-24.206068304424	VS	70	1
-46.910062506481	-24.23981787465	VS	100	1	-46.90513094677	-24.223547369522	VS	70	1
-46.910355743943	-24.239587006809	VS	100	1	-46.904874218878	-24.223273353895	VS	70	1
-46.910613510013	-24.239383216383	VS	100	1	-46.90461021519	-24.223008582337	VS	70	1
-46.910237270008	-24.239109739764	VS	100	1	-46.90434027228	-24.222744786506	VS	70	1
-46.908671588309	-24.240764665565	VS	100	1	-46.904818808964	-24.223752059851	VS	70	1
-46.908092828329	-24.240168307908	VS	100	1	-46.904568285638	-24.223469753288	VS	70	1
-46.862892789299	-24.211458733309	VS	100	1	-46.904374767316	-24.223257490639	VS	70	1
-46.860272835135	-24.22446693981	VS	100	1	-46.90418184699	-24.223041312671	VS	70	1
-46.862193614585	-24.224829220737	VS	100	1	-46.881156577764	-24.208332794373	VS	70	1
-46.861904510673	-24.224653042921	VS	100	1	-46.881368884925	-24.208580942844	VS	70	1
-46.861795114084	-24.223969027037	VS	100	1	-46.881605615313	-24.20886076013	VS	70	1
-46.890940573399	-24.201104254785	VS	100	1	-46.881874836083	-24.209177874485	VS	70	1
-46.891185390672	-24.201387296944	VS	100	1	-46.87993403882	-24.208846625644	VS	70	1
-46.891682739039	-24.201968880804	VS	100	1	-46.879595844053	-24.209072422492	VS	70	1
-46.85248744016	-24.214008698284	VS	100	1	-46.87934617176	-24.209527795502	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.8491898136	-24.210925020988	VS	100	1	-46.879589017257	-24.209820314209	VS	70	1
-46.850864338349	-24.211827758522	VS	100	1	-46.879831435596	-24.210094995544	VS	70	1
-46.850712154418	-24.21163758307	VS	100	1	-46.882485525303	-24.203890948757	VS	70	1
-46.850546847915	-24.211440711013	VS	100	1	-46.882700393255	-24.20413792898	VS	70	1
-46.850387028728	-24.211253798225	VS	100	1	-46.88291268826	-24.204386074593	VS	70	1
-46.850167984035	-24.211006167689	VS	100	1	-46.883114380028	-24.2046380986	VS	70	1
-46.849759098477	-24.21050955712	VS	100	1	-46.88388995523	-24.20428474322	VS	70	1
-46.851110347151	-24.21104567703	VS	100	1	-46.883600437012	-24.204492311689	VS	70	1
-46.850946724914	-24.210856280747	VS	100	1	-46.883329901314	-24.204672965157	VS	70	1
-46.85070219414	-24.210595756593	VS	100	1	-46.883059589242	-24.204862532389	VS	70	1
-46.850497074119	-24.210348903247	VS	100	1	-46.882738947376	-24.205080418842	VS	70	1
-46.851770760712	-24.210821383078	VS	100	1	-46.882507170475	-24.205251002474	VS	70	1
-46.883560300835	-24.230338489378	VS	100	1	-46.882243863628	-24.205429009163	VS	70	1
-46.873830430919	-24.216714938845	VS	100	1	-46.881278743124	-24.205821519822	VS	70	1
-46.846659143861	-24.162516695076	VS	100	1	-46.881043801678	-24.205541570769	VS	70	1
-46.827728814462	-24.199378990109	VS	100	1	-46.880800525389	-24.205263135897	VS	70	1
-46.831271256639	-24.165454677693	VS	100	1	-46.881500434104	-24.205949380732	VS	70	1
-46.831562616558	-24.165693403061	VS	100	1	-46.881165641735	-24.206166627603	VS	70	1
-46.83185684327	-24.165936173543	VS	100	1	-46.880909052168	-24.206326410874	VS	70	1
-46.863083242574	-24.216688061176	VS	100	1	-46.735809094201	-24.154265531698	VS	100	1
-46.858905921489	-24.209223980498	VS	100	1	-46.735697142461	-24.154214778268	VS	100	1
-46.859108145875	-24.209463306705	VS	100	1	-46.735443782465	-24.154060698244	VS	100	1
-46.859097972747	-24.209674624053	VS	100	1	-46.735206304787	-24.153953176163	VS	100	1
-46.735620583189	-24.086613625813	VS	100	1	-46.734915414342	-24.153787253142	VS	100	1
-46.734951584579	-24.088405135676	VS	70	1	-46.81792421632	-24.191179592492	VS	100	1
-46.7352788177	-24.087778847082	VS	70	1	-46.83964180764	-24.17126687467	VS	70	1
-46.733307601774	-24.091296047724	VS	70	1	-46.839899741668	-24.17147630874	VS	70	1
-46.734564547266	-24.088663167787	VS	70	1	-46.840194521873	-24.17171565505	VS	70	1
-46.733633742616	-24.090369846115	VS	70	1	-46.840452629806	-24.171925237378	VS	70	1
-46.723602928201	-24.132830364218	VS	70	1	-46.840702982981	-24.17212851256	VS	70	1
-46.719633156022	-24.135435847886	VS	100	1	-46.840862001105	-24.172282381092	VS	70	1
-46.713992008781	-24.143491042821	VS	100	1	-46.814373305051	-24.179893741592	VS	70	1
-46.714248611015	-24.143308058072	VS	100	1	-46.814056138065	-24.179784256698	VS	70	1
-46.714241909555	-24.143219277124	VS	100	1	-46.81547348068	-24.18097088263	VS	70	1
-46.86225062426	-24.210699533481	VS	100	1	-46.815290174421	-24.180861491849	VS	70	1
-46.862482041703	-24.210966311683	VS	100	1	-46.814818524774	-24.180589359075	VS	70	1
-46.862691642103	-24.211205843795	VS	100	1	-46.814557727335	-24.18044172772	VS	70	1
-46.881037054809	-24.234109245116	VS	100	1	-46.814272134204	-24.180341324918	VS	70	1
-46.878810252388	-24.234367266324	VS	100	1	-46.814047695073	-24.180257344633	VS	70	1
-46.877738284005	-24.224283597804	VS	100	1	-46.81375145567	-24.180154944118	VS	70	1
-46.854491053556	-24.217007948378	VS	250	1	-46.813468232591	-24.180059951585	VS	70	1
-46.814410155543	-24.191116664979	VS	100	1	-46.815724641359	-24.180872949998	VS	70	1
-46.796584039707	-24.19070760268	VS	100	1	-46.813774555388	-24.179677877675	VS	70	1
-46.796423526918	-24.190743865587	VS	100	1	-46.813697807173	-24.179896558687	VS	70	1
-46.796768575224	-24.190760502582	VS	100	1	-46.877511464578	-24.215350282299	VS	70	1
-46.796581287038	-24.191036613247	VS	100	1	-46.877819393644	-24.215137214524	VS	70	1
-46.796099108112	-24.190729952586	VS	100	1	-46.878449302622	-24.214704208409	VS	70	1
-46.795776088627	-24.190714436683	VS	100	1	-46.878138661847	-24.214924913239	VS	70	1
-46.795451729117	-24.190699027321	VS	100	1	-46.879352991123	-24.214033011073	VS	70	1
-46.795318411571	-24.190778396834	VS	100	1	-46.879665276735	-24.213810860133	VS	70	1
-46.79529768374	-24.191144370977	VS	100	1	-46.879936739392	-24.213614137701	VS	70	1
-46.795318172133	-24.190506770759	VS	100	1	-46.876606158824	-24.222109030145	VS	70	1
-46.795353300134	-24.190136253853	VS	100	1	-46.876883416751	-24.221904069592	VS	70	1
-46.795173572325	-24.190648659579	VS	100	1	-46.877151153862	-24.221714746169	VS	70	1
-46.7714272087	-24.155818692054	VS	70	1	-46.877230536589	-24.221675062901	VS	70	1
-46.771935841306	-24.155330144461	VS	70	1	-46.87757254819	-24.221423628144	VS	70	1
-46.771979034778	-24.155493462932	VS	70	1	-46.877881756262	-24.221215916257	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.77165073355	-24.155328225337	VS	70	1	-46.878171648463	-24.221017219283	VS	70	1
-46.771382597657	-24.155176639261	VS	70	1	-46.878460868439	-24.220791769703	VS	70	1
-46.771038375767	-24.155003800091	VS	70	1	-46.777938912566	-24.150101615022	VS	70	1
-46.771119046648	-24.155651479009	VS	70	1	-46.777702800081	-24.149984006613	VS	70	1
-46.771211992668	-24.155853052944	VS	70	1	-46.777236498138	-24.149705308021	VS	70	1
-46.771735926165	-24.155981006446	VS	70	1	-46.892445447255	-24.234978790288	VS	70	1
-46.771694252315	-24.155501632377	VS	70	1	-46.892085215429	-24.234767920619	VS	70	1
-46.771453151001	-24.155681851506	VS	70	1	-46.89182245795	-24.234645117061	VS	70	1
-46.833433911218	-24.190307264716	VS	70	1	-46.89159578933	-24.23453081762	VS	70	1
-46.833145043169	-24.190550570044	VS	70	1	-46.891274885089	-24.234385585898	VS	70	1
-46.832898407502	-24.190761608633	VS	70	1	-46.890958080629	-24.234237642261	VS	70	1
-46.833139655501	-24.190244983885	VS	70	1	-46.842844403516	-24.205293136886	VS	70	1
-46.832878223428	-24.189999555721	VS	70	1	-46.842195244774	-24.204293242382	VS	70	1
-46.832637209303	-24.189767038479	VS	70	1	-46.842188507454	-24.203875898173	VS	70	1
-46.83238576695	-24.189519142368	VS	70	1	-46.841873724173	-24.203723629043	VS	70	1
-46.832134757026	-24.189289091629	VS	70	1	-46.848099598356	-24.202621937574	VS	70	1
-46.833435930474	-24.189091741222	VS	70	1	-46.847743164848	-24.202464359792	VS	70	1
-46.832680782198	-24.188607967594	VS	70	1	-46.847398599816	-24.20229973003	VS	70	1
-46.832424143178	-24.188828406073	VS	70	1	-46.847050245887	-24.202114971134	VS	70	1
-46.832130728227	-24.189077698018	VS	70	1	-46.846702519816	-24.201948152897	VS	70	1
-46.831862984609	-24.189301338427	VS	70	1	-46.846394451777	-24.201781235799	VS	70	1
-46.776197545071	-24.174499429067	VS	100	1	-46.846056472134	-24.201623103539	VS	70	1
-46.775972555992	-24.174789305883	VS	100	1	-46.845758275346	-24.201473738941	VS	70	1
-46.775769987373	-24.174942504757	VS	100	1	-46.845460069209	-24.20132438259	VS	70	1
-46.775547838618	-24.175095818062	VS	100	1	-46.845141630054	-24.201166367499	VS	70	1
-46.775834326379	-24.17397081388	VS	100	1	-46.844823657283	-24.201007940801	VS	70	1
-46.77600143404	-24.174340234091	VS	70	1	-46.868921377566	-24.22662487591	VS	70	1
-46.830692569555	-24.1514111497223	VS	100	1	-46.869201852284	-24.226413230008	VS	70	1
-46.8308711687119	-24.151106731956	VS	100	1	-46.869495048488	-24.226207979176	VS	70	1
-46.831051034788	-24.150810880594	VS	100	1	-46.870508221554	-24.225489864534	VS	70	1
-46.831210893765	-24.15052419697	VS	100	1	-46.870200873905	-24.225708402008	VS	70	1
-46.8313712557	-24.15025527057	VS	100	1	-46.834627958982	-24.184586329777	VS	70	1
-46.834793516718	-24.154022402121	VS	70	1	-46.834348426753	-24.184828073412	VS	70	1
-46.831727797284	-24.189414005954	VS	70	1	-46.834125689565	-24.185018843253	VS	70	1
-46.831603373125	-24.189526346078	VS	70	1	-46.83383757443	-24.185259701618	VS	70	1
-46.831883897123	-24.189041778851	VS	70	1	-46.834041811008	-24.18383481381	VS	70	1
-46.832706268822	-24.188386887475	VS	70	1	-46.834311598805	-24.184111969961	VS	70	1
-46.832450880494	-24.188144635939	VS	70	1	-46.834581835705	-24.184373540157	VS	70	1
-46.832940682624	-24.188391783335	VS	70	1	-46.834832104408	-24.184588806653	VS	70	1
-46.833208106205	-24.1881694031	VS	70	1	-46.835103168743	-24.184861867289	VS	70	1
-46.718725474603	-24.139529462834	VS	100	1	-46.835352042296	-24.185108606294	VS	70	1
-46.718986022097	-24.139340268532	VS	100	1	-46.83562862396	-24.185371953565	VS	70	1
-46.719316770956	-24.139104841231	VS	100	1	-46.835905111379	-24.185636722419	VS	70	1
-46.719551027351	-24.138940988326	VS	100	1	-46.836143303433	-24.185862629412	VS	70	1
-46.719735724318	-24.138810325463	VS	100	1	-46.838570673137	-24.185361144679	VS	70	1
-46.71997288412	-24.138641567897	VS	100	1	-46.838301738833	-24.185099985805	VS	70	1
-46.720301197	-24.138401309555	VS	100	1	-46.833398009248	-24.203696097788	VS	70	1
-46.720569757012	-24.138206495132	VS	100	1	-46.837128754105	-24.204740305419	VS	70	1
-46.720594169061	-24.13880336885	VS	100	1	-46.837724926051	-24.205030135546	VS	70	1
-46.72025737645	-24.139039531083	VS	100	1	-46.838073096165	-24.205214829144	VS	70	1
-46.720026644824	-24.139033799025	VS	100	1	-46.84148848852	-24.202104126334	VS	70	1
-46.719855064301	-24.138829814797	VS	100	1	-46.84116024809	-24.201936287097	VS	70	1
-46.720006354278	-24.139219781805	VS	100	1	-46.843795095376	-24.2032626016	VS	70	1
-46.719736205107	-24.139417967026	VS	100	1	-46.843469502063	-24.203107488775	VS	70	1
-46.719465841895	-24.139607229573	VS	100	1	-46.842800984471	-24.202763175291	VS	70	1
-46.719272933901	-24.139751337408	VS	100	1	-46.843170839347	-24.202685925997	VS	70	1
-46.719002579168	-24.139940599206	VS	100	1	-46.843297125382	-24.207818769459	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.718728393729	-24.139875703205	VS	100	1	-46.842938033761	-24.207642064654	VS	70	1
-46.718390793145	-24.139476957469	VS	100	1	-46.843615885734	-24.209044395048	VS	70	1
-46.718445536703	-24.139727694976	VS	100	1	-46.843367406879	-24.20892140299	VS	70	1
-46.887860615148	-24.233316563591	VS	100	1	-46.843064807585	-24.208761641887	VS	70	1
-46.888168826685	-24.233465804391	VS	100	1	-46.842760820588	-24.20861375268	VS	70	1
-46.888477195293	-24.233623939158	VS	100	1	-46.842000156797	-24.208735546965	VS	70	1
-46.888793674296	-24.233776648466	VS	100	1	-46.768788493352	-24.159563899285	VS	70	1
-46.889156815058	-24.233957028846	VS	100	1	-46.768518305463	-24.159772379655	VS	70	1
-46.888224764914	-24.23414354643	VS	100	1	-46.768237763155	-24.159971538069	VS	70	1
-46.888481800461	-24.234117347539	VS	100	1	-46.767977378413	-24.160164584467	VS	70	1
-46.888703605362	-24.233951485142	VS	100	1	-46.767712302241	-24.160343751132	VS	70	1
-46.888983315973	-24.233744017875	VS	100	1	-46.776967627067	-24.110183062876	VS	70	1
-46.889205244682	-24.233581602254	VS	100	1	-46.777175297336	-24.109888688236	VS	70	1
-46.730730009009	-24.152607306801	VS	100	1	-46.777383253457	-24.109597539727	VS	70	1
-46.71820419429	-24.139898910516	VS	100	1	-46.777617495774	-24.109285372554	VS	70	1
-46.718742193226	-24.140138750073	VS	100	1	-46.775738321518	-24.111880876374	VS	70	1
-46.719649840203	-24.138576554658	VS	100	1	-46.775538536994	-24.112141026715	VS	70	1
-46.833354001622	-24.190467654958	VS	70	1	-46.780717231872	-24.151071615719	VS	70	1
-46.805638800491	-24.193312176221	VS	250	1	-46.780959983823	-24.150899422038	VS	70	1
-46.805253334267	-24.193853158928	VS	250	1	-46.781219153228	-24.150729025898	VS	70	1
-46.804921478721	-24.193611146247	VS	100	1	-46.781510650376	-24.150536137646	VS	70	1
-46.804622713847	-24.193434950838	VS	100	1	-46.781840826349	-24.150343337012	VS	70	1
-46.804343792002	-24.193267524637	VS	100	1	-46.782149716787	-24.15013598084	VS	70	1
-46.804074829366	-24.193091347771	VS	100	1	-46.872025721329	-24.22524485073	VS	70	1
-46.803804515297	-24.19321279248	VS	100	1	-46.868771940761	-24.226392465938	VS	70	1
-46.803614586265	-24.193481907045	VS	100	1	-46.782439931071	-24.149901943205	VS	70	1
-46.803530239044	-24.193728824411	VS	100	1	-46.782740464714	-24.149691099558	VS	70	1
-46.803414927742	-24.193750960264	VS	100	1	-46.783056861234	-24.149470218003	VS	70	1
-46.802982620911	-24.193402950124	VS	100	1	-46.872861337896	-24.220030633522	VS	70	1
-46.803759436339	-24.193869852527	VS	100	1	-46.873450325073	-24.219615449225	VS	70	1
-46.80402874576	-24.194046274055	VS	100	1	-46.873701268018	-24.219434990005	VS	70	1
-46.804297847142	-24.194213772737	VS	100	1	-46.874020076608	-24.219218286893	VS	70	1
-46.804606852599	-24.194407733135	VS	100	1	-46.874329060072	-24.219001658982	VS	70	1
-46.804895329287	-24.194574908718	VS	100	1	-46.874628451324	-24.2187940389	VS	70	1
-46.803261322256	-24.193561455892	VS	100	1	-46.874927608744	-24.218577485529	VS	70	1
-46.803765818526	-24.192897368526	VS	100	1	-46.875112485158	-24.218444117873	VS	70	1
-46.803487117424	-24.192738872795	VS	100	1	-46.875619162847	-24.218741457433	VS	70	1
-46.775780700006	-24.174189281149	VS	100	1	-46.875116846225	-24.219084554531	VS	70	1
-46.775556355168	-24.174184218497	VS	70	1	-46.9033285732	-24.224871207878	VS	70	1
-46.775342733524	-24.17433914766	VS	70	1	-46.903092136883	-24.224639654496	VS	70	1
-46.775030610504	-24.174538864175	VS	100	1	-46.902859905375	-24.22438276928	VS	70	1
-46.774794977525	-24.174714566653	VS	100	1	-46.902621209905	-24.224122364402	VS	70	1
-46.869705648807	-24.221472455499	VS	70	1	-46.903979235831	-24.224571429531	VS	70	1
-46.86933674038	-24.221737088212	VS	70	1	-46.903764104674	-24.224300606773	VS	70	1
-46.868742407546	-24.222159709433	VS	70	1	-46.903511763029	-24.224026003895	VS	70	1
-46.868398078212	-24.222403232906	VS	70	1	-46.903235572214	-24.223751019436	VS	70	1
-46.868425875172	-24.22251327567	VS	70	1	-46.903083328277	-24.223572895558	VS	70	1
-46.868622755203	-24.222611837755	VS	70	1	-46.778118727891	-24.112063224586	VS	70	1
-46.868829378782	-24.222719527497	VS	70	1	-46.778308566051	-24.111794139841	VS	70	1
-46.869089478207	-24.222855187348	VS	70	1	-46.778536928787	-24.111498082128	VS	70	1
-46.869062279274	-24.222719924096	VS	70	1	-46.784698478887	-24.115429867091	VS	70	1
-46.86932454605	-24.222536868949	VS	70	1	-46.784884559646	-24.115180197493	VS	70	1
-46.869588621808	-24.22235896568	VS	70	1	-46.785074817279	-24.114928939039	VS	70	1
-46.742165270823	-24.159940588935	VS	100	1	-46.785245661824	-24.11468674556	VS	70	1
-46.742847991816	-24.160306769429	VS	100	1	-46.785436126211	-24.114444408806	VS	70	1
-46.742839904271	-24.158370057344	VS	100	1	-46.783033880729	-24.115805478742	VS	70	1
-46.746067629447	-24.160374769237	VS	100	1	-46.775044857919	-24.154292692432	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.745807056513	-24.160564008953	VS	100	1	-46.775344200341	-24.154085267949	VS	70	1
-46.748217247455	-24.161248698987	VS	100	1	-46.775575889811	-24.153922965269	VS	70	1
-46.747928953532	-24.161090226473	VS	100	1	-46.83957463387	-24.201135901837	VS	70	1
-46.747630659085	-24.160931708635	VS	100	1	-46.839230147466	-24.20095968037	VS	70	1
-46.747317060362	-24.160767155292	VS	100	1	-46.775899921931	-24.153731361555	VS	70	1
-46.748837589386	-24.161560408989	VS	100	1	-46.776136384307	-24.153552980018	VS	70	1
-46.748269709342	-24.161849196311	VS	100	1	-46.776445117095	-24.153327637722	VS	70	1
-46.748633565273	-24.161706109975	VS	100	1	-46.776753748295	-24.153102363982	VS	70	1
-46.748527150055	-24.161875280373	VS	100	1	-46.777062478983	-24.152877020122	VS	70	1
-46.747291611306	-24.161717368033	VS	100	1	-46.770971587464	-24.157223490819	VS	70	1
-46.747593907096	-24.161224766682	VS	100	1	-46.77154851258	-24.15681494417	VS	70	1
-46.747417492616	-24.161618413741	VS	100	1	-46.77185471059	-24.156597819046	VS	70	1
-46.863805518665	-24.223263859533	VS	70	1	-46.77070186207	-24.157411956143	VS	70	1
-46.864608744975	-24.223023004997	VS	70	1	-46.770170988999	-24.157790610885	VS	70	1
-46.86491749876	-24.223199026956	VS	70	1	-46.76963997666	-24.158160288983	VS	70	1
-46.864289954766	-24.222838143925	VS	70	1	-46.769379230296	-24.158340652435	VS	70	1
-46.863991027119	-24.222662045603	VS	70	1	-46.77837403357	-24.152693725052	VS	70	1
-46.858929109047	-24.220787623395	VS	100	1	-46.778092558584	-24.152897964246	VS	70	1
-46.858758004233	-24.221020965122	VS	100	1	-46.77777184798	-24.153134473355	VS	70	1
-46.858554366296	-24.221291333734	VS	100	1	-46.77756863286	-24.153276310168	VS	70	1
-46.860666025437	-24.219021209684	VS	70	1	-46.777191874324	-24.153545370536	VS	70	1
-46.860947584132	-24.219173722536	VS	70	1	-46.762915591825	-24.172681599538	VS	100	1
-46.861276111956	-24.219361955913	VS	70	1	-46.776881380894	-24.153776156184	VS	70	1
-46.86158316736	-24.219520472465	VS	70	1	-46.778689070228	-24.152468633347	VS	70	1
-46.860807021763	-24.219255820853	VS	70	1	-46.775360802987	-24.154861726036	VS	70	1
-46.860588428783	-24.219561084631	VS	70	1	-46.775054757923	-24.155080468431	VS	70	1
-46.860417581972	-24.219803307821	VS	70	1	-46.774737975577	-24.155302392282	VS	70	1
-46.860227722433	-24.220072494669	VS	70	1	-46.774466285462	-24.155499772478	VS	70	1
-46.860009249611	-24.220377598273	VS	70	1	-46.774157258991	-24.15572511061	VS	70	1
-46.860083702973	-24.220532154515	VS	70	1	-46.773851973199	-24.155946927481	VS	70	1
-46.860323039993	-24.218851425549	VS	70	1	-46.773546666454	-24.15616875205	VS	70	1
-46.859846057968	-24.218615039908	VS	70	1	-46.773236705988	-24.156393115373	VS	70	1
-46.832456524066	-24.199027221742	VS	70	1	-46.772932218949	-24.156621903267	VS	70	1
-46.830384497714	-24.201551220647	VS	70	1	-46.772630166849	-24.156839389264	VS	70	1
-46.761955204931	-24.164487987156	VS	70	1	-46.852681187371	-24.205461201025	VS	70	1
-46.792614160746	-24.177653742357	VS	100	1	-46.852450409296	-24.205616866542	VS	70	1
-46.834959479722	-24.15373405976	VS	70	1	-46.851932967372	-24.205968795966	VS	70	1
-46.835129236318	-24.153447182289	VS	70	1	-46.85172521843	-24.206119958042	VS	70	1
-46.835289595633	-24.153178242198	VS	70	1	-46.851522506515	-24.206264314672	VS	70	1
-46.835459339915	-24.152891390898	VS	70	1	-46.851262237686	-24.206462631872	VS	70	1
-46.835612478609	-24.152642935945	VS	70	1	-46.850803148686	-24.206784348269	VS	70	1
-46.83448631066	-24.155232875087	VS	70	1	-46.850538870871	-24.206967389307	VS	70	1
-46.835293810255	-24.155532697579	VS	70	1	-46.850297318051	-24.20713109697	VS	70	1
-46.835453961195	-24.155254834932	VS	70	1	-46.849857866578	-24.20745732195	VS	70	1
-46.835631073222	-24.154997190106	VS	70	1	-46.849573059755	-24.207653406244	VS	70	1
-46.835790363115	-24.154719772241	VS	70	1	-46.849244316579	-24.207879288481	VS	70	1
-46.835944599287	-24.154439096392	VS	70	1	-46.850065013326	-24.207300917086	VS	70	1
-46.836104958607	-24.154170155402	VS	70	1	-46.84850410804	-24.208415131462	VS	70	1
-46.836489469947	-24.155934865937	VS	70	1	-46.848230403071	-24.208619468127	VS	70	1
-46.836683600312	-24.155621225795	VS	70	1	-46.846646420635	-24.209720443076	VS	70	1
-46.836872319599	-24.155307455436	VS	70	1	-46.846174463631	-24.210062636797	VS	70	1
-46.837051456282	-24.154993413832	VS	70	1	-46.735231615439	-24.152428926425	VS	100	1
-46.837239956288	-24.154679979425	VS	70	1	-46.734675013947	-24.152129564959	VS	70	1
-46.837418983505	-24.154356836884	VS	70	1	-46.786820421662	-24.178627106406	VS	250	1
-46.821084040408	-24.159623664774	VS	70	1	-46.786691364413	-24.178706614132	VS	250	1
-46.82132068444	-24.159413700883	VS	70	1	-46.731331706652	-24.151872092539	VS	100	1
-46.821544512385	-24.159178158058	VS	70	1	-46.727059054891	-24.149618330564	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.821755624251	-24.158980304616	VS	100	1	-46.798461181837	-24.161982615726	VS	70	1
-46.829245726747	-24.167131888337	VS	100	1	-46.900911299492	-24.226639728394	VS	70	1
-46.83042771759	-24.166722921955	VS	100	1	-46.900691084085	-24.226387464924	VS	70	1
-46.829172913839	-24.16528437263	VS	100	1	-46.900487591865	-24.226156733064	VS	70	1
-46.838077334305	-24.16621390092	VS	100	1	-46.857590510388	-24.161042255854	VS	70	1
-46.83784663567	-24.166010466011	VS	100	1	-46.857336281523	-24.160758756562	VS	70	1
-46.836764552131	-24.165108698888	VS	100	1	-46.85714825672	-24.160571061843	VS	70	1
-46.835231708269	-24.163826893219	VS	100	1	-46.85648921952	-24.160834153464	VS	70	1
-46.834991514868	-24.163632562975	VS	100	1	-46.8489784088	-24.159696995032	VS	70	1
-46.750798622815	-24.16383780995	VS	100	1	-46.848698554077	-24.159895514709	VS	70	1
-46.750154159926	-24.163332014999	VS	100	1	-46.848428508587	-24.160093940512	VS	70	1
-46.7505903666	-24.164881138946	VS	100	1	-46.848139024601	-24.160301483202	VS	70	1
-46.757734830459	-24.169953588135	VS	100	1	-46.84784957033	-24.160508989979	VS	70	1
-46.756412970584	-24.169258381004	VS	100	1	-46.847270941122	-24.160932890161	VS	70	1
-46.756985040209	-24.168447772583	VS	100	1	-46.84954760193	-24.159291042748	VS	70	1
-46.759393079633	-24.170139419113	VS	100	1	-46.85093472216	-24.162644051593	VS	70	1
-46.758611396551	-24.169754831449	VS	100	1	-46.851214540919	-24.162445545139	VS	70	1
-46.834541785802	-24.205940322709	VS	100	1	-46.851523625119	-24.162237872304	VS	70	1
-46.834556333731	-24.206155917628	VS	100	1	-46.8518516799	-24.162003296986	VS	70	1
-46.764603358613	-24.164802971214	VS	100	1	-46.852150507826	-24.16177785172	VS	70	1
-46.764350848127	-24.164968379492	VS	100	1	-46.759769131172	-24.164327460573	VS	100	1
-46.763706059176	-24.164740703397	VS	100	1	-46.794232560742	-24.185674478004	VS	100	1
-46.764080477582	-24.165157722664	VS	100	1	-46.76885598609	-24.167748463433	VS	100	1
-46.763790910524	-24.165365049204	VS	100	1	-46.817704290817	-24.184401367639	VS	250	2
-46.763552529988	-24.165553892845	VS	100	1	-46.912792736589	-24.240757406413	VS	100	1
-46.763264126383	-24.165395398313	VS	100	1	-46.912502493088	-24.240582816578	VS	100	1
-46.733007019504	-24.155443681508	VS	100	1	-46.912166548638	-24.240391199446	VS	100	1
-46.732956788809	-24.155455003934	VS	100	1	-46.911882895431	-24.240216605576	VS	100	1
-46.732676341008	-24.155305677883	VS	100	1	-46.788548297027	-24.156839547693	VS	100	1
-46.732458628967	-24.155155458669	VS	100	1	-46.788311102672	-24.156986311262	VS	100	1
-46.732777831777	-24.154938829028	VS	100	1	-46.788116953099	-24.157107118249	VS	100	1
-46.893079328175	-24.239658977539	VS	100	1	-46.831402752185	-24.161367146634	VS	70	1
-46.891119285735	-24.238447630756	VS	100	1	-46.833862363339	-24.162054012812	VS	70	1
-46.889945217418	-24.236954389736	VS	100	1	-46.833573797381	-24.161801655169	VS	70	1
-46.836948527299	-24.158682751751	VS	100	1	-46.83325077525	-24.161536750623	VS	70	1
-46.746490628714	-24.158259668059	VS	100	1	-46.832952334204	-24.161282327654	VS	70	1
-46.746625175852	-24.158244448246	VS	100	1	-46.832656842086	-24.16103819116	VS	70	1
-46.746456272976	-24.158156455267	VS	100	1	-46.832443056849	-24.160856409589	VS	70	1
-46.746148294181	-24.157998079674	VS	100	1	-46.832152463326	-24.160617320147	VS	70	1
-46.745879979482	-24.157857264662	VS	100	1	-46.831862908481	-24.160370495814	VS	70	1
-46.745363613748	-24.157602245107	VS	100	1	-46.831651706056	-24.160197899336	VS	70	1
-46.745204501671	-24.157514172828	VS	100	1	-46.831393279436	-24.159980218811	VS	70	1
-46.744876685121	-24.157347009681	VS	100	1	-46.831136897601	-24.159764352049	VS	70	1
-46.744605018819	-24.157202763355	VS	100	1	-46.830849174762	-24.159520840162	VS	70	1
-46.744649044013	-24.157670046559	VS	100	1	-46.833612171677	-24.160993056946	VS	70	1
-46.74436700934	-24.15751845999	VS	100	1	-46.833340996555	-24.159908112105	VS	70	1
-46.744854345917	-24.157785365377	VS	100	1	-46.833077997656	-24.159688623104	VS	70	1
-46.745294438552	-24.158015978673	VS	100	1	-46.908836509721	-24.243485282216	VS	70	1
-46.745533691929	-24.158145434783	VS	100	1	-46.838053986693	-24.202796881849	VS	70	1
-46.745831861757	-24.158303880171	VS	100	1	-46.818818321723	-24.194577319612	VS	70	1
-46.746106578502	-24.158443368603	VS	100	1	-46.818619758086	-24.194432457025	VS	70	1
-46.746448006617	-24.158629535654	VS	100	1	-46.818372075973	-24.194263614026	VS	70	1
-46.746196965878	-24.158716996867	VS	100	1	-46.818167698873	-24.19416074091	VS	70	1
-46.746064610243	-24.158932086856	VS	100	1	-46.81782380363	-24.193993327706	VS	70	1
-46.745896173721	-24.158954698724	VS	100	1	-46.817473347062	-24.193827311233	VS	70	1
-46.745598002407	-24.158796253251	VS	100	1	-46.841244231495	-24.166539932287	VS	70	1
-46.745289808698	-24.158628953585	VS	100	1	-46.840947374121	-24.16629459063	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.744981615862	-24.158461653402	VS	100	1	-46.840362441968	-24.165801071326	VS	70	1
-46.744957442726	-24.158040696194	VS	100	1	-46.840076408676	-24.16555690758	VS	70	1
-46.744806084769	-24.158282678994	VS	100	1	-46.839822303903	-24.165340619129	VS	70	1
-46.744620631351	-24.158271826566	VS	100	1	-46.839540843017	-24.165092495179	VS	70	1
-46.744355658643	-24.158136051827	VS	100	1	-46.842957735665	-24.16378354123	VS	70	1
-46.744064889274	-24.157977927778	VS	100	1	-46.842700662235	-24.16357356889	VS	70	1
-46.746194403841	-24.159113172379	VS	100	1	-46.842410980961	-24.163330662424	VS	70	1
-46.745903628719	-24.159183096972	VS	100	1	-46.842153941405	-24.163123034479	VS	70	1
-46.745798490826	-24.159494086922	VS	100	1	-46.841863475434	-24.162884388446	VS	70	1
-46.745490372294	-24.159326834633	VS	100	1	-46.841573822956	-24.162640994619	VS	70	1
-46.745202224349	-24.159177233029	VS	100	1	-46.84128601791	-24.162410661156	VS	70	1
-46.744894030454	-24.15900993251	VS	100	1	-46.845045815639	-24.169799953645	VS	70	1
-46.744605884047	-24.158860329967	VS	100	1	-46.848919638586	-24.210919557287	VS	70	1
-46.744430640077	-24.158822499807	VS	100	1	-46.848615998456	-24.211134049649	VS	70	1
-46.744616599033	-24.158578644492	VS	100	1	-46.848343445297	-24.211327841307	VS	70	1
-46.744357536954	-24.158728355364	VS	100	1	-46.848059307487	-24.211533848594	VS	70	1
-46.744039322039	-24.158552208658	VS	100	1	-46.903954550356	-24.248185012342	VS	70	1
-46.743758627665	-24.158410241686	VS	100	1	-46.90427845822	-24.247953336667	VS	70	1
-46.745756949522	-24.159426212167	VS	100	1	-46.904505262187	-24.247788578184	VS	70	1
-46.733048399372	-24.154758484201	VS	100	1	-46.904881500264	-24.247508882829	VS	70	1
-46.733318842629	-24.154569156031	VS	100	1	-46.903666653251	-24.248400139081	VS	70	1
-46.733565870117	-24.154382525102	VS	100	1	-46.903347615215	-24.248700037939	VS	70	1
-46.733814439892	-24.154411773519	VS	100	1	-46.903010564804	-24.248934187941	VS	70	1
-46.734054585598	-24.154550421364	VS	100	1	-46.902680379265	-24.249193408053	VS	70	1
-46.733568835183	-24.154264461944	VS	100	1	-46.902381602143	-24.249383379601	VS	70	1
-46.733285297508	-24.154097605968	VS	100	1	-46.902113543814	-24.249610795637	VS	70	1
-46.732990250731	-24.153943878023	VS	100	1	-46.901822843162	-24.249873855884	VS	70	1
-46.732614358548	-24.153729744614	VS	100	1	-46.901592696971	-24.250069599554	VS	70	1
-46.733869005675	-24.154172663968	VS	100	1	-46.901352397802	-24.250270352537	VS	70	1
-46.734110565343	-24.154010355523	VS	100	1	-46.901075226323	-24.250520224166	VS	70	1
-46.734217834233	-24.153934547493	VS	100	1	-46.900787687401	-24.250760023345	VS	70	1
-46.734432650394	-24.153942330537	VS	100	1	-46.900501491534	-24.251008495993	VS	70	1
-46.734184403757	-24.153819206324	VS	100	1	-46.900202003238	-24.251259278074	VS	70	1
-46.733926135989	-24.153687218464	VS	100	1	-46.913215798983	-24.241452134317	VS	70	1
-46.733655260021	-24.153532284593	VS	100	1	-46.91291648713	-24.241661700256	VS	70	1
-46.941256321683	-24.182891325305	VS	100	1	-46.912722533025	-24.241793761377	VS	70	1
-46.818280881386	-24.149390989318	VS	100	1	-46.911885002922	-24.242616467839	VS	70	1
-46.768498537445	-24.161265908523	VS	100	1	-46.91159178723	-24.242453247149	VS	70	1
-46.768184806391	-24.161487458639	VS	100	1	-46.911334456003	-24.24232194594	VS	70	1
-46.767883182409	-24.161709831293	VS	100	1	-46.910956237478	-24.242131171794	VS	70	1
-46.767577520235	-24.161936625846	VS	100	1	-46.910633682827	-24.241948233846	VS	70	1
-46.767269673683	-24.162158120872	VS	100	1	-46.910328195778	-24.241719977159	VS	70	1
-46.767181427455	-24.162226485634	VS	100	1	-46.91180412111	-24.241250483621	VS	70	1
-46.766901534311	-24.162424793262	VS	70	1	-46.91210734194	-24.241028482957	VS	70	1
-46.766641119827	-24.162622985822	VS	70	1	-46.882940363902	-24.218939500347	VS	70	1
-46.766332219575	-24.162839389341	VS	70	1	-46.882752611919	-24.219199003991	VS	70	1
-46.831270900301	-24.163198712006	VS	70	1	-46.838703727001	-24.196641928458	VS	70	1
-46.831510713365	-24.162964807967	VS	70	1	-46.838432298418	-24.196512181582	VS	70	1
-46.781055189197	-24.165369110387	VS	100	1	-46.838086475766	-24.196340890316	VS	70	1
-46.773233194334	-24.168230894072	VS	100	1	-46.837736461	-24.196175217925	VS	70	1
-46.773244216527	-24.170563856684	VS	100	1	-46.829347119516	-24.201876200493	VS	70	1
-46.77295913915	-24.16840900814	VS	100	1	-46.908701871361	-24.245394556105	VS	70	1
-46.775840390524	-24.166418370668	VS	100	1	-46.908469811628	-24.24514659674	VS	70	1
-46.776101138115	-24.166237997004	VS	100	1	-46.908237565754	-24.244889741686	VS	70	1
-46.775533509451	-24.151826933033	VS	70	1	-46.908005104593	-24.244623981144	VS	70	1
-46.775182782186	-24.152982086128	VS	100	1	-46.907783315255	-24.244393780916	VS	70	1
-46.769635590675	-24.156738600034	VS	100	1	-46.907543755758	-24.24412004728	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.770154974495	-24.156381373489	VS	100	1	-46.90733249981	-24.243845660266	VS	70	1
-46.770918322803	-24.156193840699	VS	70	1	-46.908189236899	-24.245098635914	VS	70	1
-46.77063998119	-24.156044223746	VS	70	1	-46.832833719905	-24.184141177381	VS	70	1
-46.727345341196	-24.147661924911	VS	100	1	-46.832586204771	-24.183902442381	VS	70	1
-46.770756391229	-24.161783414868	VS	100	1	-46.832347218538	-24.183668935557	VS	70	1
-46.769958047104	-24.162355966326	VS	100	1	-46.832106748215	-24.183433945226	VS	70	1
-46.769652233775	-24.162579046662	VS	100	1	-46.842189667717	-24.206383262745	VS	70	1
-46.769344572963	-24.162805374652	VS	100	1	-46.84250677189	-24.205852647668	VS	70	1
-46.77023393036	-24.162014904742	VS	100	1	-46.84266967929	-24.205580331537	VS	70	1
-46.868370107719	-24.187192409212	VS	100	1	-46.733166473943	-24.152850149903	VS	100	1
-46.851045506902	-24.208558439403	VS	100	1	-46.733501523393	-24.153031151283	VS	100	1
-46.84831718662	-24.20722182706	VS	70	1	-46.733745020749	-24.153164952771	VS	100	1
-46.848751653825	-24.207726982304	VS	100	1	-46.734450513223	-24.152676551162	VS	100	1
-46.847119304932	-24.210470270184	VS	100	1	-46.734147647225	-24.152899719184	VS	100	1
-46.749365072427	-24.160794501679	VS	100	1	-46.733906444785	-24.153079419552	VS	100	1
-46.815649583216	-24.19515829153	VS	100	1	-46.738013676546	-24.155347569856	VS	100	1
-46.791117624387	-24.185455373015	VS	250	1	-46.717806422257	-24.143461579927	VS	100	1
-46.779183307707	-24.16290966219	VS	70	1	-46.794847527891	-24.189892778857	VS	150	1
-46.784264743931	-24.159648087721	VS	70	1	-46.811159872261	-24.18055890835	VS	100	1
-46.797852917805	-24.189588517236	VS	250	1	-46.811558547072	-24.180605700466	VS	100	1
-46.889111711488	-24.244281562312	VS	250	1	-46.810599761013	-24.180544050985	VS	100	1
-46.8893859483	-24.208645681166	VS	100	1	-46.810865781044	-24.180542050624	VS	100	1
-46.888721892723	-24.232725744433	VS	100	1	-46.80960497704	-24.180559302068	VS	100	1
-46.888445713728	-24.232597379162	VS	100	1	-46.810186781645	-24.180559929085	VS	100	1
-46.861234899875	-24.223147915466	VS	100	1	-46.814995331045	-24.180174536266	VS	100	1
-46.860991590638	-24.223318109215	VS	100	1	-46.809291834848	-24.180563924667	VS	100	1
-46.919016429757	-24.233151592644	VS	100	1	-46.81567046125	-24.18273025731	VS	100	1
-46.770870613648	-24.172824955812	VS	100	1	-46.822949287719	-24.181357648966	VS	100	1
-46.761069371636	-24.166842401405	VS	100	1	-46.814029634054	-24.185843418252	VS	100	1
-46.760780825076	-24.166662414106	VS	100	1	-46.813835119967	-24.186123332517	VS	100	1
-46.760925995241	-24.166593673259	VS	100	1	-46.814415379584	-24.185221558709	VS	100	1
-46.761109729726	-24.16647633915	VS	100	1	-46.814226280574	-24.185537325839	VS	100	1
-46.761341685055	-24.166322968637	VS	100	1	-46.8152339382	-24.194900344227	VS	100	1
-46.770151976937	-24.172432481929	VS	100	1	-46.812956338042	-24.185682762782	VS	100	1
-46.785430659703	-24.178611277972	VS	100	1	-46.82095829033	-24.195424207404	VS	100	1
-46.78520316221	-24.178952021424	VS	100	1	-46.820618734612	-24.195593270175	VS	100	1
-46.785098934575	-24.179131992435	VS	100	1	-46.818856304036	-24.19322819128	VS	100	1
-46.785031421966	-24.17926061667	VS	100	1	-46.819021746542	-24.194734965023	VS	100	1
-46.784851834103	-24.17916347531	VS	100	1	-46.821397566613	-24.191746127287	VS	100	1
-46.784613802755	-24.179040616077	VS	100	1	-46.819211555059	-24.192663860192	VS	100	1
-46.784285662232	-24.178864610322	VS	100	1	-46.820483359728	-24.18876626338	VS	100	1
-46.783938113999	-24.17868887778	VS	100	1	-46.821170846155	-24.191983909875	VS	100	1
-46.784128189442	-24.178623188879	VS	100	1	-46.822646901886	-24.187609061237	VS	100	1
-46.784292080574	-24.178359320842	VS	100	1	-46.822484422949	-24.187845617153	VS	100	1
-46.784492394045	-24.178045215837	VS	100	1	-46.822885024834	-24.187034334649	VS	100	1
-46.784526918784	-24.177956203963	VS	100	1	-46.822826143663	-24.187335873289	VS	100	1
-46.784689743085	-24.178094434793	VS	100	1	-46.851162401595	-24.140763090694	VS	100	1
-46.784998534162	-24.177653010554	VS	100	1	-46.846299765494	-24.142565856457	VS	100	1
-46.785020866035	-24.178271757269	VS	100	1	-46.854392061489	-24.17045237388	VS	100	1
-46.785296419986	-24.17842891386	VS	100	1	-46.853893208287	-24.169945293307	VS	100	1
-46.785869205587	-24.178730807207	VS	100	1	-46.855577420544	-24.164769083256	VS	100	1
-46.786227366775	-24.178921606246	VS	100	1	-46.853518739864	-24.17035203513	VS	100	1
-46.786127575021	-24.178809635705	VS	100	1	-46.828844699043	-24.178797622674	VS	100	1
-46.787312584672	-24.178920686413	VS	100	1	-46.826384418485	-24.179295786296	VS	100	1
-46.787366513865	-24.184905784536	VS	250	1	-46.829443160077	-24.178373621956	VS	100	1
-46.795933778754	-24.183870411906	VS	100	1	-46.829153635542	-24.178581083054	VS	100	1
-46.795708968061	-24.184135739831	VS	100	1	-46.842413357028	-24.171401461134	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.800377227741	-24.191686543802	VS	100	1	-46.832688040636	-24.179700785805	VS	100	1
-46.800076706324	-24.191669701337	VS	100	1	-46.84284295603	-24.17103828081	VS	100	1
-46.800020351878	-24.191590501185	VS	100	1	-46.842122614844	-24.171153843999	VS	100	1
-46.800163526567	-24.191325663829	VS	100	1	-46.841966696156	-24.170317446109	VS	100	1
-46.800234917982	-24.19108910206	VS	100	1	-46.842548959766	-24.170796751726	VS	100	1
-46.800040371043	-24.190918561476	VS	100	1	-46.840424035761	-24.168918265844	VS	100	1
-46.79980978834	-24.190967751946	VS	100	1	-46.841919579916	-24.170493832275	VS	100	1
-46.799796978296	-24.191253354008	VS	100	1	-46.838032531883	-24.167326433139	VS	100	1
-46.799771174958	-24.190791490013	VS	100	1	-46.840163997997	-24.169162514454	VS	100	1
-46.799424463133	-24.190776085132	VS	100	1	-46.835481694695	-24.169024635537	VS	100	1
-46.799100102055	-24.190760674479	VS	100	1	-46.835175898006	-24.16878607124	VS	100	1
-46.714316344775	-24.139303270753	VS	100	1	-46.836910391829	-24.169864880959	VS	100	1
-46.827930573297	-24.176475030592	VS	70	1	-46.835745729208	-24.169229544946	VS	100	1
-46.828302022633	-24.17561128245	VS	100	1	-46.837038216599	-24.17093702383	VS	100	1
-46.887445384257	-24.242247450221	VS	100	1	-46.836764911022	-24.171215759043	VS	100	1
-46.88763701781	-24.242451144753	VS	100	1	-46.837539703907	-24.17043893345	VS	100	1
-46.887811436426	-24.242657501847	VS	100	1	-46.837275815296	-24.170714338858	VS	100	1
-46.888020738286	-24.242893682817	VS	100	1	-46.838047572021	-24.16992640922	VS	100	1
-46.888243087132	-24.243133309363	VS	100	1	-46.83779844826	-24.17017815528	VS	100	1
-46.888465752634	-24.243390616568	VS	100	1	-46.824474059238	-24.171791862473	VS	100	1
-46.887933597326	-24.243724970949	VS	100	1	-46.833055160005	-24.175181773096	VS	100	1
-46.887711364312	-24.24347685351	VS	100	1	-46.826481965126	-24.173071562434	VS	100	1
-46.887489478949	-24.243237815831	VS	100	1	-46.824109432849	-24.171560265151	VS	100	1
-46.88727678937	-24.242989289054	VS	100	1	-46.827641878454	-24.173224280041	VS	100	1
-46.887043130755	-24.242732061489	VS	100	1	-46.826763966766	-24.17325197783	VS	100	1
-46.886831875692	-24.24248453786	VS	100	1	-46.828297118135	-24.176541507977	VS	100	1
-46.886644082364	-24.242277060312	VS	100	1	-46.827406581315	-24.173540741667	VS	100	1
-46.887287886264	-24.24378984778	VS	100	1	-46.827939640954	-24.175216941728	VS	100	1
-46.887012006104	-24.243575531516	VS	100	1	-46.828250134957	-24.175897022512	VS	100	1
-46.88698951763	-24.243500392389	VS	100	1	-46.827417908829	-24.174887088418	VS	100	1
-46.886675004064	-24.243331536665	VS	100	1	-46.827690514213	-24.175058337213	VS	100	1
-46.886400850929	-24.243143044371	VS	100	1	-46.823631183792	-24.171385660218	VS	100	1
-46.886129346295	-24.242955696345	VS	100	1	-46.823840678813	-24.171110791525	VS	100	1
-46.8875884992	-24.244025219459	VS	100	1	-46.823254350552	-24.171790069389	VS	100	1
-46.887852474754	-24.244221459149	VS	100	1	-46.823456596169	-24.171604099039	VS	100	1
-46.887256161023	-24.243270171223	VS	100	1	-46.820605567947	-24.171710760042	VS	100	1
-46.888387302465	-24.237698569789	VS	100	1	-46.820366659284	-24.171552443693	VS	100	1
-46.888674233891	-24.237883932015	VS	100	1	-46.821082379537	-24.172030564877	VS	100	1
-46.88808789107	-24.237484269042	VS	100	1	-46.820846600149	-24.171868467183	VS	100	1
-46.887819139617	-24.23731458168	VS	100	1	-46.821647294058	-24.17239836256	VS	100	1
-46.887532401596	-24.237136427503	VS	100	1	-46.821365559152	-24.17222032615	VS	100	1
-46.887239640073	-24.236960309847	VS	100	1	-46.824978052494	-24.174534897769	VS	100	1
-46.887003566991	-24.236815327338	VS	100	1	-46.824649116365	-24.174323366632	VS	100	1
-46.888112660305	-24.237717988737	VS	100	1	-46.826622186307	-24.177928654604	VS	250	1
-46.887847611999	-24.237912550752	VS	100	1	-46.825177375406	-24.174658285166	VS	100	1
-46.887697288309	-24.238160168686	VS	100	1	-46.819600454533	-24.174458527041	VS	100	1
-46.887956352659	-24.238309785019	VS	100	1	-46.819545289398	-24.173078166563	VS	100	1
-46.888206776031	-24.238465154081	VS	100	1	-46.821690636513	-24.175765992374	VS	100	1
-46.887338409186	-24.237948855361	VS	100	1	-46.819788184674	-24.174220141667	VS	100	1
-46.887039196127	-24.237763870634	VS	100	1	-46.822646014645	-24.179390574631	VS	100	1
-46.886725175366	-24.237573696787	VS	100	1	-46.822898912228	-24.179081223765	VS	100	1
-46.886404240439	-24.23738970985	VS	100	1	-46.819290797996	-24.179013231836	VS	100	1
-46.88752548782	-24.238142670247	VS	100	1	-46.815536676905	-24.187168208329	VS	100	1
-46.853264489566	-24.212770241548	VS	70	1	-46.815241088137	-24.187146736112	VS	100	1
-46.853463912493	-24.213005702487	VS	70	1	-46.815180123757	-24.1869782641	VS	100	1
-46.853235259017	-24.212515041971	VS	70	1	-46.814955159783	-24.187130713194	VS	100	1
-46.911021549249	-24.243053395983	VS	150	1	-46.81471303094	-24.187128715118	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.910645174398	-24.243316073395	VS	150	1	-46.814684292019	-24.186919737004	VS	100	1
-46.908380270147	-24.240463887546	VS	100	1	-46.814469010315	-24.187132876618	VS	100	1
-46.831744859597	-24.155207794199	VS	70	1	-46.814201700621	-24.187123973106	VS	100	1
-46.807548936544	-24.192162301312	VS	100	1	-46.814162717257	-24.186917823695	VS	100	1
-46.860558916439	-24.2246458873	VS	70	1	-46.840364963226	-24.168060169666	VS	100	1
-46.790720686909	-24.175333704885	VS	100	1	-46.835319502571	-24.188699036504	VS	100	1
-46.788825595774	-24.15939483163	VS	100	1	-46.836837104363	-24.18652017021	VS	100	1
-46.730085084297	-24.154486225543	VS	100	1	-46.836570762268	-24.186263380006	VS	100	1
-46.73038253058	-24.154643632297	VS	100	1	-46.836306938965	-24.18599686684	VS	100	1
-46.907237753044	-24.22238070226	VS	100	1	-46.834920933708	-24.184347964792	VS	100	1
-46.814763707781	-24.192564013116	VS	100	1	-46.835122209499	-24.184160627377	VS	100	1
-46.815078972188	-24.192036893364	VS	100	1	-46.835406688946	-24.183917475605	VS	100	1
-46.907670163544	-24.222049304973	VS	100	1	-46.835462776229	-24.183891592373	VS	100	1
-46.90813147325	-24.221698387584	VS	100	1	-46.835693214051	-24.183679689652	VS	100	1
-46.727135468915	-24.142134459861	VS	100	1	-46.83620665029	-24.184451787216	VS	100	1
-46.72680401132	-24.14250749472	VS	100	1	-46.833230376873	-24.185784738351	VS	100	1
-46.913283920028	-24.22133362127	VS	70	1	-46.82977304064	-24.189945751144	VS	100	1
-46.912960647456	-24.221570987104	VS	70	1	-46.829447774643	-24.189656977136	VS	100	1
-46.912700241507	-24.221769539427	VS	70	1	-46.829187577814	-24.189365757634	VS	100	1
-46.912440257151	-24.221967795982	VS	70	1	-46.828939052909	-24.189127818178	VS	100	1
-46.866976282591	-24.211433440847	VS	70	1	-46.832300516423	-24.184427533772	VS	100	1
-46.839529277867	-24.206988701256	VS	100	1	-46.832580407801	-24.184176337169	VS	100	1
-46.82975528503	-24.205366540982	VS	100	1	-46.832861777487	-24.183928606524	VS	100	1
-46.751853785008	-24.164427581969	VS	100	1	-46.834533560983	-24.181757670111	VS	100	1
-46.778870092897	-24.173706711228	VS	250	1	-46.8336270978	-24.181767435413	VS	100	1
-46.751473522921	-24.16322414221	VS	100	1	-46.834249436227	-24.18173469252	VS	100	1
-46.7513191815	-24.163442410294	VS	100	1	-46.833913684034	-24.181975194726	VS	100	1
-46.751214252997	-24.163602049835	VS	100	1	-46.833717492502	-24.18210903305	VS	100	1
-46.749978657949	-24.163595705864	VS	100	1	-46.833149809256	-24.183685421434	VS	100	1
-46.750634734419	-24.162590434146	VS	100	1	-46.833970387633	-24.182998173692	VS	100	1
-46.750494168096	-24.16280338794	VS	100	1	-46.833393084373	-24.183479608318	VS	100	1
-46.750635107161	-24.163140307867	VS	100	1	-46.829986271878	-24.180242444038	VS	100	1
-46.713379140461	-24.141300326486	VS	100	1	-46.830348404864	-24.180753389257	VS	100	1
-46.714485563054	-24.140957606153	VS	100	1	-46.826468019832	-24.183548862277	VS	100	1
-46.721916403573	-24.144884592822	VS	100	1	-46.829182287746	-24.200725224367	VS	100	1
-46.721676204315	-24.144748812491	VS	100	1	-46.829482432144	-24.200877693195	VS	100	1
-46.72090088743	-24.146029816008	VS	100	1	-46.829927071272	-24.20121123475	VS	100	1
-46.758950822651	-24.151659532215	VS	100	1	-46.831150292728	-24.201216968651	VS	100	1
-46.759018802111	-24.151106607612	VS	100	1	-46.83098839438	-24.201490407008	VS	100	1
-46.73739982729	-24.149661148005	VS	100	1	-46.836902190072	-24.20108693607	VS	100	1
-46.718152468192	-24.144821138789	VS	100	1	-46.837255714226	-24.201271984215	VS	100	1
-46.806973300185	-24.191923754407	VS	100	1	-46.836201452845	-24.199468286251	VS	100	1
-46.855388137484	-24.16485853058	VS	100	1	-46.8364645880376	-24.199582184909	VS	100	1
-46.830774991645	-24.155518327181	VS	100	1	-46.836782366375	-24.199732643811	VS	100	1
-46.832348304363	-24.153317090187	VS	100	1	-46.837173522868	-24.197403419224	VS	100	1
-46.832499071253	-24.153057150789	VS	100	1	-46.83655047068	-24.198443482287	VS	100	1
-46.896708145968	-24.238845937624	VS	100	1	-46.836536047908	-24.198232056064	VS	70	1
-46.87653514623	-24.236478618554	VS	100	1	-46.836711022717	-24.198174372185	VS	100	1
-46.87625906715	-24.23629986851	VS	100	1	-46.835734434303	-24.195618258593	VS	100	1
-46.883377931992	-24.23785695837	VS	100	1	-46.834757958067	-24.197240294667	VS	100	1
-46.883120106928	-24.238039237221	VS	100	1	-46.834137342628	-24.196248010054	VS	100	1
-46.851033688232	-24.209422647378	VS	100	1	-46.834307162408	-24.195961160346	VS	100	1
-46.815314196838	-24.194738470321	VS	100	1	-46.834788688189	-24.195163246101	VS	100	1
-46.750985235426	-24.162699375978	VS	100	1	-46.833678128357	-24.194967769744	VS	100	1
-46.751275684135	-24.162852070571	VS	100	1	-46.833517478596	-24.195227776493	VS	100	1
-46.722902431204	-24.147791367621	VS	70	1	-46.831663820541	-24.197208153323	VS	100	1
-46.723620900901	-24.148202196354	VS	70	1	-46.833599591326	-24.194103507803	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.721444990677	-24.144634370873	VS	100	1	-46.910509922315	-24.239263211652	VS	100	1
-46.876869394976	-24.235021241508	VS	100	1	-46.839856343002	-24.211749121651	VS	70	1
-46.830500578848	-24.196088638088	VS	100	1	-46.839585615596	-24.211609853474	VS	70	1
-46.775663297256	-24.178486200566	VS	100	1	-46.839507483315	-24.211433009903	VS	70	1
-46.875616996845	-24.230851527704	VS	100	1	-46.839515926427	-24.211211218397	VS	70	1
-46.780192797448	-24.164372012305	VS	100	1	-46.839436156824	-24.211629620815	VS	70	1
-46.785941346237	-24.177151766681	VS	100	1	-46.839261794893	-24.211799952343	VS	70	1
-46.904341715256	-24.233182172033	VS	100	1	-46.839015115803	-24.212054670283	VS	70	1
-46.792956514826	-24.178140015015	VS	100	1	-46.839334661764	-24.211482864941	VS	70	1
-46.781121583281	-24.17539393798	VS	100	1	-46.839067181038	-24.211342647934	VS	70	1
-46.883466876401	-24.236875392689	VS	100	1	-46.83877886254	-24.211201148003	VS	70	1
-46.883746129742	-24.23705154787	VS	100	1	-46.838916916642	-24.212259570604	VS	70	1
-46.884015878056	-24.237236777177	VS	100	1	-46.839078942707	-24.212340641651	VS	70	1
-46.88421083801	-24.238161837129	VS	100	1	-46.839276195067	-24.212437039174	VS	70	1
-46.883951232712	-24.237985538523	VS	100	1	-46.838449796179	-24.211040941938	VS	70	1
-46.883691736684	-24.23781807864	VS	100	1	-46.838268846357	-24.211094684675	VS	70	1
-46.883929582702	-24.238708460195	VS	100	1	-46.838130873353	-24.210874467157	VS	70	1
-46.883420852485	-24.238391300636	VS	100	1	-46.837894401216	-24.210754481718	VS	70	1
-46.883141286901	-24.238206155749	VS	100	1	-46.838437172018	-24.210839157958	VS	70	1
-46.882003372945	-24.237465697466	VS	100	2	-46.838588920143	-24.210583709263	VS	70	1
-46.727015668008	-24.142354932369	VS	100	1	-46.83809413076	-24.211413636027	VS	70	1
-46.819004596091	-24.196872916279	VS	100	1	-46.833183971143	-24.193903066623	VS	100	1
-46.806494494104	-24.198704867201	VS	100	1	-46.832869923229	-24.193743202023	VS	100	1
-46.851477589477	-24.214442725651	VS	100	1	-46.832280419388	-24.193445806281	VS	100	1
-46.850991121841	-24.21418708655	VS	100	1	-46.831997375193	-24.194618133048	VS	100	1
-46.843708375817	-24.214585315559	VS	100	1	-46.83168093897	-24.194458570183	VS	100	1
-46.883325799642	-24.202822600348	VS	100	1	-46.831269496048	-24.194256101577	VS	100	1
-46.883107198954	-24.202974291877	VS	100	1	-46.86063504522	-24.21682580777	VS	70	1
-46.882851405161	-24.203150871612	VS	100	1	-46.860263861841	-24.217213825052	VS	100	1
-46.858878257259	-24.201039921701	VS	100	1	-46.870315410906	-24.220241083661	VS	100	1
-46.806235809816	-24.197747559381	VS	100	1	-46.870149358598	-24.220352415068	VS	100	1
-46.806484316757	-24.199015761285	VS	100	1	-46.822298907433	-24.185447589878	VS	100	1
-46.728339082493	-24.12722360569	VS	100	1	-46.872911630946	-24.219176415404	VS	100	1
-46.729036451251	-24.126810355502	VS	100	1	-46.872663775941	-24.219365973473	VS	100	1
-46.730422134118	-24.121829932387	VS	100	1	-46.82491520627	-24.171815853196	VS	100	1
-46.806489126143	-24.198486218958	VS	100	1	-46.824794728574	-24.172000849444	VS	100	1
-46.806449297244	-24.198244153083	VS	100	1	-46.824741279441	-24.172533719898	VS	100	1
-46.80637337143	-24.198016004376	VS	100	1	-46.824692311966	-24.172858153898	VS	100	1
-46.728593407706	-24.12716473088	VS	100	1	-46.883962270668	-24.215787456216	VS	100	1
-46.897002749826	-24.196958513772	VS	100	1	-46.883731012281	-24.21595473568	VS	100	1
-46.897477094329	-24.196631263224	VS	100	1	-46.883420778189	-24.216195317295	VS	100	1
-46.901121703532	-24.240043912286	VS	100	1	-46.883180744248	-24.216384421461	VS	100	1
-46.883068280765	-24.237449608223	VS	100	1	-46.881674487361	-24.218069154066	VS	100	1
-46.901413615229	-24.239833369269	VS	100	1	-46.789982643754	-24.129652073336	VS	100	1
-46.84856994882	-24.212551935145	VS	100	1	-46.790185151821	-24.129104113442	VS	100	1
-46.821572253988	-24.183732303213	VS	100	1	-46.790364792885	-24.128607542835	VS	100	1
-46.903873771647	-24.23802555752	VS	100	1	-46.790602051208	-24.127892739276	VS	100	1
-46.87931149522	-24.223146895279	VS	100	1	-46.819395432729	-24.172040410889	VS	100	1
-46.882282867479	-24.237650806128	VS	100	1	-46.85390829831	-24.171756163281	VS	70	1
-46.882572255809	-24.237835884926	VS	100	1	-46.853663705437	-24.17147072804	VS	70	1
-46.882861645315	-24.238020954271	VS	100	1	-46.853448740208	-24.171233696331	VS	70	1
-46.782122083129	-24.163670938634	VS	100	1	-46.853233821072	-24.170986152683	VS	70	1
-46.887774672261	-24.203402631587	VS	100	1	-46.853014869117	-24.17073874241	VS	70	1
-46.846077960669	-24.142863846656	VS	100	1	-46.855571467914	-24.171833463468	VS	70	1
-46.778606127675	-24.151750253328	VS	100	1	-46.855330841956	-24.171540104983	VS	70	1
-46.759361545026	-24.149002911561	VS	100	1	-46.8550889368	-24.171249867104	VS	70	1
-46.829062997776	-24.201724269715	VS	100	1	-46.85470110997	-24.170788052402	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.828347543464	-24.201372857883	VS	100	1	-46.854057974199	-24.170103020629	VS	70	1
-46.855008320244	-24.215821410762	VS	100	1	-46.857612055446	-24.172825521414	VS	70	1
-46.85466271106	-24.215644538308	VS	100	1	-46.857399198404	-24.172557625754	VS	70	1
-46.854318852705	-24.215469489105	VS	100	1	-46.857174563905	-24.172304466625	VS	70	1
-46.848612110718	-24.211305630225	VS	100	1	-46.856927623513	-24.172072519686	VS	70	1
-46.848390452789	-24.211058061374	VS	100	1	-46.856712949384	-24.171888867242	VS	70	1
-46.849024951815	-24.211801134461	VS	100	1	-46.856476404927	-24.171660367371	VS	70	1
-46.846884268512	-24.211724243668	VS	100	1	-46.856215406317	-24.171427730377	VS	70	1
-46.846541963127	-24.211549600095	VS	100	1	-46.855901300213	-24.17114160548	VS	70	1
-46.847397644203	-24.211918101623	VS	100	1	-46.855607288923	-24.170876268639	VS	70	1
-46.847268095346	-24.211919612738	VS	100	1	-46.854817034827	-24.170147310786	VS	70	1
-46.847645548673	-24.212095133551	VS	100	1	-46.85447619518	-24.169824093102	VS	70	1
-46.848013372198	-24.212279641212	VS	100	1	-46.876007710517	-24.215359489782	VS	100	1
-46.848262074799	-24.212411540911	VS	100	1	-46.875639555947	-24.215141089268	VS	100	1
-46.848230434955	-24.211939832552	VS	100	1	-46.875263062095	-24.214924634716	VS	100	1
-46.727316851386	-24.152121016336	VS	70	1	-46.859584814873	-24.158691697458	VS	70	1
-46.873939088535	-24.216201139654	VS	100	1	-46.85925568408	-24.158876276304	VS	70	1
-46.88020635291	-24.208834022503	VS	100	1	-46.85904365189	-24.159031507171	VS	70	1
-46.912185388901	-24.235873368273	VS	70	1	-46.858838768541	-24.159182009147	VS	70	1
-46.871976439759	-24.20862767352	VS	100	1	-46.858520927644	-24.159416140225	VS	70	1
-46.873903750775	-24.226021545403	VS	100	1	-46.85296604594	-24.169719223413	VS	70	1
-46.880592626196	-24.228529471838	VS	100	1	-46.852692758635	-24.169415378864	VS	70	1
-46.877221806459	-24.226825592454	VS	100	1	-46.852249038557	-24.16890829	VS	70	1
-46.878056460065	-24.226298850277	VS	100	1	-46.894022264005	-24.235891249452	VS	100	1
-46.877837357304	-24.226451444056	VS	100	1	-46.894177925866	-24.235768655971	VS	100	1
-46.877331016694	-24.226806230089	VS	100	1	-46.894346102733	-24.235854204747	VS	100	1
-46.874281866973	-24.225321326163	VS	100	1	-46.894557299166	-24.23596239309	VS	100	1
-46.875655203572	-24.224951451728	VS	100	1	-46.893788362116	-24.235580268964	VS	100	1
-46.877864256097	-24.225804235177	VS	100	1	-46.873969807079	-24.225174003024	VS	100	1
-46.877651890072	-24.225961979509	VS	100	1	-46.873818984368	-24.225106099812	VS	100	1
-46.880008092476	-24.225524190137	VS	100	1	-46.872507835651	-24.225593938859	VS	100	1
-46.879786694032	-24.225278973654	VS	100	1	-46.872757639472	-24.225410530435	VS	100	1
-46.880240870051	-24.224816595502	VS	100	1	-46.7698211218	-24.169069880656	VS	100	1
-46.879199957347	-24.224836193779	VS	100	1	-46.769573842057	-24.169257711366	VS	100	1
-46.878727167901	-24.225172257421	VS	100	1	-46.867340625892	-24.207979304504	VS	100	1
-46.878971868415	-24.225009031355	VS	100	1	-46.867575229887	-24.208250535086	VS	100	1
-46.880150177631	-24.224174492827	VS	100	1	-46.867051019577	-24.206547201929	VS	100	1
-46.879820522355	-24.224406053203	VS	100	1	-46.876986022266	-24.2020596315	VS	100	1
-46.879510774007	-24.224628207236	VS	100	1	-46.875654818514	-24.200472086274	VS	100	1
-46.877851562675	-24.223292482515	VS	100	1	-46.87848469596	-24.215409775291	VS	100	1
-46.877029000294	-24.223872371826	VS	100	1	-46.878173166763	-24.215631754289	VS	100	1
-46.877291624743	-24.223689591091	VS	100	1	-46.877649635312	-24.216027880456	VS	100	1
-46.877591014795	-24.223481956807	VS	100	1	-46.879673362855	-24.214503416096	VS	100	1
-46.876681683362	-24.223308639488	VS	100	1	-46.88025655068	-24.214042473705	VS	100	1
-46.878778943616	-24.223238716518	VS	100	1	-46.880596000676	-24.213804989348	VS	100	1
-46.880191270257	-24.22338081599	VS	100	1	-46.880894227501	-24.213574529231	VS	100	1
-46.880789388054	-24.222938782327	VS	100	1	-46.86241968583	-24.210582142837	VS	100	1
-46.880470802391	-24.22316441421	VS	100	1	-46.862737907779	-24.210775707742	VS	100	1
-46.879882283052	-24.223597455668	VS	100	1	-46.863018572251	-24.210943590671	VS	100	1
-46.879028691291	-24.22351628706	VS	100	1	-46.863282254554	-24.211102211243	VS	100	1
-46.881249780024	-24.223317595938	VS	100	1	-46.863604262924	-24.211297635785	VS	100	1
-46.880856802576	-24.222166222265	VS	100	1	-46.781185502202	-24.159683981414	VS	100	1
-46.881210488189	-24.221792759739	VS	100	1	-46.780872343698	-24.159901970301	VS	100	1
-46.881778091085	-24.230904045845	VS	100	1	-46.783636584399	-24.161741481423	VS	100	1
-46.881960703396	-24.231143449086	VS	100	1	-46.783725361514	-24.161557538946	VS	100	1
-46.882095820184	-24.231351585499	VS	100	1	-46.771092673143	-24.168326569233	VS	100	1
-46.880847372413	-24.232188830369	VS	100	1	-46.774738705582	-24.165775044061	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.881153040477	-24.231988294461	VS	100	1	-46.774464825586	-24.165683093238	VS	100	1
-46.882271270054	-24.236019965489	VS	100	1	-46.774208879137	-24.16559234289	VS	100	1
-46.88369114339	-24.23496858045	VS	100	1	-46.773901965191	-24.165471129105	VS	100	1
-46.88338657556	-24.235179078056	VS	100	1	-46.775715815299	-24.165266110005	VS	100	1
-46.883023377904	-24.235461461566	VS	100	1	-46.775539165972	-24.165153363699	VS	100	1
-46.882791794179	-24.235637869316	VS	100	1	-46.767431910438	-24.169006516847	VS	100	1
-46.84400918091	-24.207625592846	VS	70	1	-46.766888498235	-24.168723753524	VS	100	1
-46.844180986642	-24.20735412227	VS	100	1	-46.766524581513	-24.168526984831	VS	100	1
-46.844376069195	-24.207257588299	VS	100	1	-46.766178503154	-24.168371209514	VS	100	1
-46.844684099264	-24.207406882921	VS	100	1	-46.765825746183	-24.168185315976	VS	100	1
-46.84405831321	-24.207113274758	VS	100	1	-46.822525968522	-24.179533339593	VS	100	1
-46.843433228476	-24.206802715033	VS	100	1	-46.819301098222	-24.172916069897	VS	100	1
-46.843145163358	-24.206851391016	VS	100	1	-46.813857189801	-24.176525094727	VS	100	1
-46.84310946554	-24.206627030578	VS	70	1	-46.823074971647	-24.178871401542	VS	100	1
-46.843334685854	-24.206519339176	VS	100	1	-46.823286934641	-24.17854062236	VS	100	1
-46.843496997983	-24.206254435125	VS	100	1	-46.77423779687	-24.172323049727	VS	100	1
-46.842798043866	-24.20647302415	VS	100	1	-46.813968440656	-24.181772434432	VS	100	1
-46.843358727335	-24.205429886592	VS	100	1	-46.814856175314	-24.182233149289	VS	100	1
-46.843079190424	-24.205290907829	VS	100	1	-46.814707595166	-24.182139264368	VS	100	1
-46.842686605493	-24.205088159684	VS	100	1	-46.814297586008	-24.181939563956	VS	100	1
-46.84239756695	-24.204952733931	VS	100	1	-46.783361073939	-24.182528342638	VS	250	1
-46.842112312279	-24.204815535773	VS	100	1	-46.787700803122	-24.182053814574	VS	250	1
-46.842036728062	-24.204565092075	VS	70	1	-46.78755691205	-24.18199348341	VS	250	1
-46.84521879206	-24.210739232322	VS	100	1	-46.787459188632	-24.182163349155	VS	250	1
-46.803235329581	-24.194005311643	VS	100	1	-46.787377612467	-24.18230900367	VS	250	1
-46.80305318828	-24.194226585459	VS	100	1	-46.787291859453	-24.182465108968	VS	250	1
-46.802793608116	-24.194325126264	VS	100	1	-46.781383649126	-24.126479432213	VS	100	1
-46.802890743046	-24.194462863823	VS	100	1	-46.781497061239	-24.126183716648	VS	100	1
-46.802749073703	-24.194648243537	VS	100	1	-46.81986358885	-24.171623797075	VS	100	1
-46.802577607821	-24.194872723234	VS	100	1	-46.819830797853	-24.173269725729	VS	100	1
-46.801884195239	-24.194876499224	VS	250	1	-46.819633960522	-24.171820280173	VS	100	1
-46.801695832239	-24.19476891705	VS	250	1	-46.870384638969	-24.220348708252	VS	100	1
-46.802479745876	-24.195524764454	VS	250	1	-46.773458938636	-24.171987232355	VS	100	1
-46.80215373733	-24.195044293255	VS	250	1	-46.773252438782	-24.17190040332	VS	100	1
-46.802282565798	-24.195522948131	VS	250	1	-46.887755585189	-24.212543342786	VS	100	1
-46.802214528494	-24.195294889729	VS	250	1	-46.904396529486	-24.228837519896	VS	100	1
-46.8020790335	-24.195686045758	VS	250	1	-46.904608699308	-24.229076722677	VS	100	1
-46.823893005198	-24.197736488655	VS	70	1	-46.829193094235	-24.164578686052	VS	70	1
-46.82405375659	-24.197485801985	VS	70	1	-46.828283789076	-24.15213403789	VS	100	1
-46.82422000748	-24.197236149603	VS	70	1	-46.904848051872	-24.22933541226	VS	70	1
-46.824407846007	-24.196927349263	VS	70	1	-46.829132274156	-24.206798879398	VS	100	1
-46.824585436087	-24.196653060183	VS	70	1	-46.827751292678	-24.151868536954	VS	70	1
-46.824855723656	-24.197329513684	VS	70	1	-46.827492935142	-24.15173670525	VS	100	1
-46.825025596567	-24.197040487407	VS	70	1	-46.881487676491	-24.228986248035	VS	70	1
-46.825226674493	-24.196699095514	VS	70	1	-46.881396208051	-24.228763470387	VS	100	1
-46.781516349391	-24.151234888292	VS	70	1	-46.881255282129	-24.225543203831	VS	70	1
-46.781171485746	-24.151484909656	VS	70	1	-46.881402819675	-24.236651464359	VS	100	1
-46.767917623958	-24.159394279279	VS	70	1	-46.828532149691	-24.205689835031	VS	100	1
-46.768148568323	-24.159637654351	VS	70	1	-46.827184833542	-24.151578481955	VS	70	1
-46.768254372336	-24.159762160992	VS	70	1	-46.881159610437	-24.228819407362	VS	100	1
-46.761732819868	-24.1722252766	VS	70	1	-46.881084464076	-24.228962743023	VS	100	1
-46.774282860831	-24.154846105368	VS	70	1	-46.88073974138	-24.228510710716	VS	100	1
-46.773968099679	-24.155080326878	VS	70	1	-46.880604580988	-24.228612485681	VS	100	1
-46.845954578039	-24.159181348395	VS	70	1	-46.880316636743	-24.22719270588	VS	100	1
-46.845742163854	-24.15892421864	VS	70	1	-46.880191179738	-24.228318858186	VS	100	1
-46.845518004991	-24.158642000767	VS	70	1	-46.880157202109	-24.227194425348	VS	100	1
-46.845276972867	-24.158356509334	VS	70	1	-46.879880418332	-24.228162807982	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.851401917865	-24.219093775182	VS	100	1	-46.879779241181	-24.227001146148	VS	100	1
-46.866496500591	-24.229225107573	VS	100	1	-46.8806934509	-24.225419925544	VS	70	1
-46.866784161164	-24.229021110178	VS	70	1	-46.880461885419	-24.225582284306	VS	70	1
-46.867038381085	-24.228833243641	VS	70	1	-46.892530144475	-24.234446354342	VS	100	1
-46.86730875879	-24.228643724166	VS	70	1	-46.879755766569	-24.227572287296	VS	100	1
-46.867588757658	-24.228445196913	VS	100	1	-46.879579843886	-24.228007673559	VS	100	1
-46.867868593014	-24.228237711364	VS	100	1	-46.879431124659	-24.226816627718	VS	100	1
-46.794139876175	-24.180608276861	VS	100	1	-46.879456368985	-24.227779915949	VS	100	1
-46.794318934679	-24.180369266011	VS	100	1	-46.879339140292	-24.226995499571	VS	100	1
-46.816884694317	-24.177099234601	VS	70	1	-46.879239613342	-24.227826424799	VS	100	1
-46.78371140537	-24.173170775236	VS	70	1	-46.879010104026	-24.218752850146	VS	100	1
-46.848370853227	-24.209306677261	VS	70	1	-46.879110147704	-24.22665614288	VS	100	1
-46.848583090594	-24.209554863231	VS	100	1	-46.879011621045	-24.226506990559	VS	100	1
-46.909361847734	-24.237702648565	VS	70	1	-46.878868953809	-24.227636010097	VS	100	1
-46.90963497709	-24.237520453287	VS	70	1	-46.878834369467	-24.22651792733	VS	100	1
-46.909885917872	-24.237339923338	VS	70	1	-46.87869407607	-24.226724043893	VS	100	1
-46.910127041665	-24.237159480307	VS	70	1	-46.878401965196	-24.219186032009	VS	100	1
-46.910445448496	-24.236924816787	VS	70	1	-46.87856123261	-24.227448293105	VS	100	1
-46.911053472805	-24.236491572784	VS	70	1	-46.878577046136	-24.228366892049	VS	100	1
-46.911347395882	-24.236278907042	VS	70	1	-46.878573004099	-24.228202881776	VS	100	1
-46.911658461602	-24.236053808006	VS	70	1	-46.878454363409	-24.227607258065	VS	100	1
-46.911956022066	-24.235836189384	VS	70	1	-46.878423576147	-24.226913672884	VS	100	1
-46.912272830509	-24.235618393571	VS	70	1	-46.878374095977	-24.22850236029	VS	100	1
-46.912584771084	-24.235415334543	VS	70	1	-46.878249869313	-24.227304945834	VS	100	1
-46.912893297899	-24.235189857635	VS	70	1	-46.878153306332	-24.227103154262	VS	100	1
-46.913190029055	-24.234974675382	VS	70	1	-46.878165151444	-24.227991981283	VS	100	1
-46.913508179307	-24.234752918206	VS	70	1	-46.878093896629	-24.228691995668	VS	100	1
-46.913795867762	-24.234536328209	VS	70	1	-46.877927321647	-24.22715904056	VS	100	1
-46.91409550231	-24.234336036343	VS	70	1	-46.877615549613	-24.216048640793	VS	70	1
-46.914766976833	-24.233878404396	VS	70	1	-46.826578958156	-24.189524041988	VS	150	1
-46.889589956378	-24.211252390196	VS	100	1	-46.826443772141	-24.189747196043	VS	150	1
-46.889840862692	-24.211071889853	VS	100	1	-46.826303722761	-24.189983542249	VS	150	1
-46.890468554466	-24.210638496564	VS	100	1	-46.877944480339	-24.227948605449	VS	100	1
-46.890159401302	-24.21084623176	VS	100	1	-46.87787650113	-24.227842495817	VS	100	1
-46.783447932062	-24.17022432155	VS	70	1	-46.877863498738	-24.227301797839	VS	100	1
-46.855326343725	-24.217727236934	VS	70	1	-46.877864867634	-24.228005963654	VS	100	1
-46.811990436524	-24.191708415754	VS	250	2	-46.877354824452	-24.216229176223	VS	70	1
-46.811637111675	-24.191963109246	VS	250	2	-46.825991195034	-24.187454540968	VS	100	1
-46.874916752157	-24.223265136252	VS	100	1	-46.826027328613	-24.190443244411	VS	250	1
-46.874903659598	-24.225630270707	VS	100	1	-46.877639327058	-24.228169048614	VS	100	1
-46.874926229484	-24.228571510955	VS	100	1	-46.877548521896	-24.227684504584	VS	100	1
-46.874487267604	-24.212611318687	VS	70	1	-46.877225620653	-24.215550685024	VS	70	1
-46.874700901932	-24.228732126297	VS	100	1	-46.877113706551	-24.216409575599	VS	70	1
-46.874582939869	-24.225471560371	VS	100	1	-46.877344967159	-24.228377341162	VS	100	1
-46.90140730147	-24.235247402972	VS	100	1	-46.877343051572	-24.227649682076	VS	100	1
-46.901289050335	-24.235797922628	VS	100	1	-46.877255157826	-24.227726011287	VS	100	1
-46.901205836251	-24.235578684616	VS	250	1	-46.877240146148	-24.227535132208	VS	100	1
-46.901038149578	-24.235027124515	VS	100	1	-46.87686277388	-24.216590050973	VS	70	1
-46.900936147967	-24.235594293923	VS	100	1	-46.87702248528	-24.227884023955	VS	100	1
-46.874168701612	-24.21283693952	VS	70	1	-46.876688048329	-24.215927591541	VS	70	1
-46.874376223038	-24.223653148275	VS	100	1	-46.876592436366	-24.216779584035	VS	70	1
-46.874423352938	-24.228931482723	VS	100	1	-46.87682046244	-24.22802395125	VS	100	1
-46.873844756211	-24.21306532588	VS	70	1	-46.876675301853	-24.227334188499	VS	100	1
-46.874086642957	-24.223860699229	VS	100	1	-46.876090273262	-24.217131670036	VS	70	1
-46.874147932288	-24.229112701234	VS	100	1	-46.876193694875	-24.216274200727	VS	70	1
-46.900596344895	-24.236029022908	VS	250	1	-46.875829727471	-24.217321142485	VS	70	1
-46.900571092397	-24.235372303458	VS	100	1	-46.876307007095	-24.229928794709	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.873569773817	-24.213243258987	VS	70	1	-46.825870659561	-24.19071357543	VS	150	1
-46.873778185837	-24.224065780542	VS	100	1	-46.825741924509	-24.187295854958	VS	100	1
-46.873192709351	-24.22447386415	VS	100	1	-46.825710141794	-24.190976218125	VS	250	1
-46.873057303368	-24.22482412626	VS	70	1	-46.825528589693	-24.187299920378	VS	100	1
-46.872749433462	-24.213829745422	VS	100	1	-46.82554584009	-24.19124064111	VS	250	1
-46.872908481515	-24.224682098725	VS	70	1	-46.825392496894	-24.191505968587	VS	150	1
-46.898644414604	-24.238566497152	VS	100	1	-46.875915611961	-24.216469166743	VS	70	1
-46.898421988202	-24.238309525634	VS	100	1	-46.875569190756	-24.217510614646	VS	70	1
-46.898327942246	-24.236992893419	VS	100	1	-46.875993983689	-24.229316994901	VS	100	1
-46.898189736873	-24.238052631275	VS	100	1	-46.875378796163	-24.216845547284	VS	70	1
-46.898085887066	-24.236736077139	VS	100	1	-46.875585230226	-24.227317216874	VS	100	1
-46.897914939439	-24.237970266873	VS	250	1	-46.875675466352	-24.229528460056	VS	100	1
-46.897889691817	-24.237723928792	VS	100	1	-46.875457928838	-24.222903882174	VS	100	1
-46.897853452483	-24.236470287328	VS	100	1	-46.875470373645	-24.226729088503	VS	100	1
-46.897686370776	-24.236651247383	VS	100	1	-46.825264704677	-24.191727701087	VS	250	1
-46.897585297271	-24.237569615093	VS	100	1	-46.825090600258	-24.192016873907	VS	150	1
-46.8977124851	-24.238117866203	VS	250	1	-46.824618394484	-24.192796867612	VS	150	1
-46.897560610399	-24.236144916867	VS	100	1	-46.824297631162	-24.193334526372	VS	150	1
-46.897525796196	-24.235807613847	VS	100	1	-46.824161467962	-24.193580434163	VS	250	1
-46.897430295205	-24.238044020366	VS	100	1	-46.823997639316	-24.193846102892	VS	150	1
-46.897240820834	-24.236014504938	VS	100	1	-46.823109835013	-24.157772937626	VS	70	1
-46.897209788141	-24.237807611918	VS	100	1	-46.823863780081	-24.194078594557	VS	150	1
-46.897034358397	-24.235804434513	VS	100	1	-46.822869205391	-24.15756941903	VS	70	1
-46.842534942196	-24.162561764669	VS	70	1	-46.82371250493	-24.194320669859	VS	150	1
-46.842282212097	-24.162345220501	VS	70	1	-46.82356378623	-24.194559686561	VS	250	1
-46.842837881741	-24.162625781692	VS	70	1	-46.822468810186	-24.152559221784	VS	100	1
-46.842996421602	-24.162466880183	VS	70	1	-46.822368194414	-24.157144988198	VS	70	1
-46.896985890159	-24.237547912047	VS	100	1	-46.875449159838	-24.228961371819	VS	100	1
-46.896706120022	-24.238148244553	VS	100	1	-46.875118460183	-24.215999227929	VS	70	1
-46.896610257649	-24.235334932116	VS	100	1	-46.875098835481	-24.217044094194	VS	70	1
-46.845142264376	-24.16871132678	VS	70	1	-46.875388599435	-24.229721912071	VS	100	1
-46.845275847041	-24.169991811532	VS	70	1	-46.87530553291	-24.227518392532	VS	100	1
-46.889980271309	-24.244270521789	VS	100	1	-46.875190398457	-24.226927641775	VS	100	1
-46.862578894831	-24.217002476869	VS	100	1	-46.874827281234	-24.217234366106	VS	70	1
-46.885243403028	-24.238021178025	VS	100	1	-46.875110649682	-24.229197638314	VS	100	1
-46.851142474668	-24.210546468304	VS	100	1	-46.875025322474	-24.227708021667	VS	100	1
-46.851362892075	-24.210425073514	VS	100	1	-46.874920014337	-24.227117185877	VS	100	1
-46.850967033918	-24.210668107143	VS	100	1	-46.874982911486	-24.230001770451	VS	100	1
-46.850450522494	-24.211048725718	VS	100	1	-46.874867971695	-24.228054912853	VS	100	1
-46.850170996838	-24.211240554528	VS	100	1	-46.874822817001	-24.227861331359	VS	100	1
-46.855484171184	-24.211578237823	VS	70	1	-46.874695255041	-24.225458929191	VS	100	1
-46.854995908717	-24.211010924931	VS	70	1	-46.874772742533	-24.22943224323	VS	100	1
-46.849756418324	-24.212913226447	VS	100	1	-46.8221477584	-24.156959315336	VS	70	1
-46.849751825022	-24.213148694902	VS	100	1	-46.874649596898	-24.227297685051	VS	100	1
-46.850269791415	-24.213404106013	VS	100	1	-46.874638512409	-24.226345820277	VS	100	1
-46.850488392715	-24.213509466726	VS	100	1	-46.874598556093	-24.227878668964	VS	100	1
-46.861336215484	-24.213206194379	VS	100	1	-46.874532923278	-24.228060010537	VS	100	1
-46.861602815578	-24.21301704832	VS	100	1	-46.874389259247	-24.227496075309	VS	100	1
-46.86374923469	-24.211777749499	VS	100	1	-46.874377740241	-24.226526364502	VS	100	1
-46.863935649712	-24.211645411284	VS	100	1	-46.874434562553	-24.229667038207	VS	100	1
-46.863226183454	-24.217486558803	VS	100	1	-46.874194978415	-24.224028603811	VS	100	1
-46.726169246689	-24.151023583079	VS	70	1	-46.874284104832	-24.229667768587	VS	100	1
-46.864462097271	-24.215666948084	VS	100	1	-46.874262545521	-24.228249553258	VS	100	1
-46.850026093722	-24.210137287928	VS	100	1	-46.874118681814	-24.227685747711	VS	100	1
-46.865900778373	-24.216286049447	VS	100	1	-46.873850773643	-24.229322488002	VS	100	1
-46.865656458092	-24.216458939287	VS	100	1	-46.873848507997	-24.227884212464	VS	100	1
-46.862320000964	-24.216136789677	VS	100	1	-46.8738465923	-24.226896450483	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.865405734844	-24.216648316725	VS	100	1	-46.873692394491	-24.227310084018	VS	100	1
-46.862604030627	-24.216382378556	VS	100	1	-46.87343108164	-24.217447412191	VS	70	1
-46.86257592903	-24.216179828687	VS	100	1	-46.873576420005	-24.227094914934	VS	100	1
-46.865133806925	-24.216684695834	VS	100	1	-46.87356372092	-24.229350191953	VS	100	1
-46.862836265728	-24.215981458128	VS	100	1	-46.873156454391	-24.217636848965	VS	70	1
-46.827181528261	-24.180855547725	VS	70	1	-46.87337801605	-24.227112646293	VS	100	1
-46.828006920711	-24.178166077134	VS	70	1	-46.873305819912	-24.22727554179	VS	100	1
-46.771460409487	-24.167880961022	VS	100	1	-46.873274365427	-24.229165109145	VS	100	1
-46.771720958551	-24.167691673952	VS	100	1	-46.857586083248	-24.223123015883	VS	70	1
-46.771990346566	-24.167493877602	VS	100	1	-46.873045450827	-24.227473937674	VS	100	1
-46.875058744776	-24.23551564472	VS	100	1	-46.872988016844	-24.229143006589	VS	100	1
-46.875014149775	-24.23538814141	VS	100	1	-46.857306306857	-24.223330447385	VS	70	1
-46.819175440962	-24.192849327649	VS	100	1	-46.872677899947	-24.22935424223	VS	100	1
-46.81946706347	-24.192890673157	VS	100	1	-46.87217706371	-24.212427487304	VS	100	1
-46.816101465836	-24.19426222526	VS	100	1	-46.821320711721	-24.151614056438	VS	70	1
-46.776478102281	-24.165765123081	VS	100	1	-46.82218907682	-24.189285067151	VS	100	1
-46.776155246405	-24.165607534895	VS	100	1	-46.822148593719	-24.18959557639	VS	100	1
-46.775855890567	-24.165428058844	VS	100	1	-46.822081174935	-24.189040240696	VS	100	1
-46.776199009103	-24.165294272906	VS	100	1	-46.822083353142	-24.190071399776	VS	100	1
-46.776479174711	-24.165104835205	VS	100	1	-46.821162970378	-24.151176373718	VS	70	1
-46.776768724495	-24.164897481543	VS	100	1	-46.872079193571	-24.216423193105	VS	70	1
-46.761969859639	-24.171158788925	VS	100	1	-46.872266734873	-24.225758089716	VS	70	1
-46.841995199082	-24.157512198778	VS	70	1	-46.87225409929	-24.229657476253	VS	100	1
-46.841705743771	-24.157719693407	VS	70	1	-46.872139988379	-24.228346253346	VS	100	1
-46.767549929742	-24.161197579278	VS	70	1	-46.82204754816	-24.189560515566	VS	100	1
-46.910571784432	-24.234880279552	VS	100	1	-46.821100819508	-24.15142798337	VS	70	1
-46.906898148733	-24.2313234632	VS	100	1	-46.821960309339	-24.190997771218	VS	100	1
-46.901907426328	-24.23803857284	VS	100	1	-46.821943723903	-24.191125298187	VS	100	1
-46.868767969111	-24.217823769171	VS	100	1	-46.821879173384	-24.189538175801	VS	100	1
-46.84252953199	-24.157116980497	VS	100	1	-46.821854649958	-24.19006166675	VS	100	1
-46.836611204311	-24.157928247229	VS	100	1	-46.820942615972	-24.151392042316	VS	70	1
-46.8256110427	-24.157762799292	VS	100	1	-46.822006350878	-24.200318658457	VS	70	1
-46.816376887568	-24.191857043101	VS	100	1	-46.820850183209	-24.15120692293	VS	70	1
-46.814692075293	-24.190998512237	VS	100	1	-46.821946042253	-24.200565663619	VS	70	1
-46.811025003646	-24.188406537935	VS	100	1	-46.821854762686	-24.197594940103	VS	100	1
-46.810791435468	-24.193959305555	VS	100	1	-46.820751284008	-24.151598733336	VS	70	1
-46.801725969035	-24.194311869133	VS	100	1	-46.821657866684	-24.191087172562	VS	100	1
-46.788472410901	-24.176602615803	VS	100	1	-46.821652507004	-24.190591847661	VS	100	1
-46.78817788386	-24.174875033353	VS	100	1	-46.821620469203	-24.190025221773	VS	100	1
-46.786444783973	-24.176432136843	VS	100	1	-46.821557508176	-24.189491782179	VS	100	1
-46.781799749497	-24.177110653413	VS	100	1	-46.871776338613	-24.21624483101	VS	70	1
-46.77351270401	-24.157674011584	VS	100	1	-46.872050976538	-24.228168809787	VS	100	1
-46.768982690341	-24.157457645118	VS	100	1	-46.872042971285	-24.229156706499	VS	100	1
-46.76719609295	-24.163671708207	VS	100	1	-46.872041459016	-24.229801994779	VS	100	1
-46.870271845631	-24.231857265479	VS	70	1	-46.871942503923	-24.22740697292	VS	100	1
-46.868588547167	-24.224436981819	VS	100	1	-46.871850937335	-24.228170147827	VS	100	1
-46.867989707738	-24.224852217737	VS	100	1	-46.871437886426	-24.215972957632	VS	100	1
-46.870530774797	-24.231669169484	VS	70	1	-46.821381456473	-24.188976767235	VS	100	1
-46.870841545538	-24.231441637406	VS	70	1	-46.82130207017	-24.189990448661	VS	100	1
-46.871372640942	-24.231071626753	VS	70	1	-46.871743772651	-24.229373240693	VS	100	1
-46.867949615629	-24.225776169424	VS	100	1	-46.871472954172	-24.220187265181	VS	100	1
-46.867642070202	-24.225095901036	VS	100	1	-46.87154435085	-24.227971385228	VS	100	1
-46.867594643851	-24.225893541275	VS	100	1	-46.871173093564	-24.216108126814	VS	100	1
-46.867286144333	-24.226109831847	VS	100	1	-46.871165394941	-24.215873987748	VS	70	1
-46.866996588821	-24.226317340954	VS	100	1	-46.871393353286	-24.22779044535	VS	100	1
-46.840188356762	-24.162441424355	VS	100	1	-46.871169988608	-24.216782233343	VS	70	1
-46.839975011859	-24.16266687954	VS	100	1	-46.87146344277	-24.229562940094	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.839754992471	-24.16290963436	VS	100	1	-46.871407647485	-24.226362603551	VS	100	1
-46.839524841103	-24.163134512396	VS	100	1	-46.821329332834	-24.191046936694	VS	100	1
-46.839199737517	-24.163108824045	VS	70	1	-46.821331332351	-24.190532456642	VS	100	1
-46.838949057572	-24.162896496291	VS	70	1	-46.87126191008	-24.227782150144	VS	100	1
-46.838658587816	-24.162649108037	VS	70	1	-46.870941200737	-24.216268100399	VS	100	1
-46.836161623327	-24.205663706256	VS	70	1	-46.821260027452	-24.188811288521	VS	100	1
-46.831424370335	-24.176344533984	VS	70	1	-46.821184876693	-24.188544180893	VS	100	1
-46.872789022804	-24.224692487945	VS	70	1	-46.821210235677	-24.189450923725	VS	100	1
-46.820990627711	-24.200113149716	VS	250	1	-46.821120196594	-24.18830378675	VS	100	1
-46.765539762948	-24.166583098426	VS	100	1	-46.79210660946	-24.177227861289	VS	100	1
-46.817336397459	-24.194639546731	VS	100	1	-46.872508325115	-24.214010137518	VS	100	1
-46.815951274205	-24.194568451568	VS	100	1	-46.872247132088	-24.214172834736	VS	100	1
-46.815576701409	-24.195016034513	VS	100	1	-46.871278120743	-24.228710546785	VS	100	1
-46.811386694631	-24.194593566454	VS	100	1	-46.870893566158	-24.215697873243	VS	100	1
-46.811298857412	-24.194258496088	VS	100	1	-46.870945391274	-24.216934227061	VS	100	1
-46.799658056186	-24.157973225093	VS	70	1	-46.871147255864	-24.226551943004	VS	100	1
-46.762590709256	-24.166594239595	VS	100	1	-46.871173844167	-24.229770473919	VS	100	1
-46.762410560015	-24.166863218179	VS	100	1	-46.87200654383	-24.215622999864	VS	100	1
-46.762428259832	-24.167100017968	VS	100	1	-46.871783789749	-24.214506755269	VS	100	1
-46.762706630649	-24.167249661366	VS	100	1	-46.871727469529	-24.215455688428	VS	100	1
-46.762955073367	-24.1673781143	VS	100	1	-46.821343835864	-24.202581131299	VS	250	1
-46.763253368804	-24.167540094657	VS	100	1	-46.821031016008	-24.18905078472	VS	100	1
-46.763143183209	-24.167393563634	VS	100	1	-46.820994933933	-24.18925106724	VS	100	1
-46.763023291528	-24.167579274974	VS	100	1	-46.820989563151	-24.190487628204	VS	100	1
-46.762862347491	-24.167830270483	VS	100	1	-46.820976927741	-24.189952397196	VS	100	1
-46.762720608934	-24.168063282259	VS	100	1	-46.820984429328	-24.191005646453	VS	100	1
-46.762540673031	-24.16834119213	VS	100	1	-46.820960388371	-24.18944763226	VS	100	1
-46.810848378743	-24.194518725338	VS	100	1	-46.871459673901	-24.214717017034	VS	100	1
-46.810687526467	-24.19476048507	VS	100	1	-46.8711912053	-24.215133614233	VS	100	1
-46.795321729832	-24.180205386542	VS	100	1	-46.871084191845	-24.228007149647	VS	100	1
-46.795293012999	-24.180490998774	VS	100	1	-46.870931569334	-24.227575834664	VS	100	1
-46.79526857289	-24.180772662998	VS	100	1	-46.871036756193	-24.228882008974	VS	100	1
-46.795236018908	-24.180897029429	VS	100	1	-46.870988495544	-24.227312011289	VS	70	1
-46.794940438383	-24.180905641519	VS	100	1	-46.870664662454	-24.216686902338	VS	100	1
-46.79467730533	-24.180895522152	VS	100	1	-46.870877111003	-24.226750384969	VS	70	1
-46.79439544216	-24.180885651113	VS	100	1	-46.870824597285	-24.227438232916	VS	70	1
-46.793617291297	-24.180121667913	VS	100	1	-46.820837823938	-24.190016746692	VS	100	1
-46.793406793406	-24.180375325088	VS	100	1	-46.820794785809	-24.190313877363	VS	100	1
-46.79320683956	-24.1806355575363	VS	100	1	-46.820762858794	-24.190617182607	VS	100	1
-46.792906972918	-24.180575734295	VS	100	1	-46.873463568312	-24.218788355962	VS	100	1
-46.790501332306	-24.1762267203	VS	100	1	-46.873713111939	-24.218616775774	VS	70	1
-46.781036869137	-24.174121808006	VS	70	1	-46.874002902256	-24.218418156201	VS	70	1
-46.781293985554	-24.17429201905	VS	70	1	-46.874263442939	-24.218228687309	VS	70	1
-46.785068857364	-24.176756421924	VS	100	1	-46.87476966538	-24.218069516387	VS	100	1
-46.78485935804	-24.176651213032	VS	100	1	-46.874189885855	-24.219734431931	VS	70	1
-46.790107853101	-24.17611210276	VS	100	1	-46.874482958827	-24.219526163014	VS	70	1
-46.789921490312	-24.176479480501	VS	100	1	-46.869841872309	-24.217594366429	VS	100	1
-46.789856495508	-24.17622158057	VS	100	1	-46.86966875921	-24.217168337636	VS	100	1
-46.788695924654	-24.175254360446	VS	100	1	-46.869581136889	-24.217373360707	VS	100	1
-46.788513654157	-24.175844565957	VS	100	1	-46.86954346873	-24.218245797957	VS	100	1
-46.788457159235	-24.175060325848	VS	100	1	-46.820616022212	-24.190445974506	VS	100	1
-46.788432114712	-24.176130697394	VS	100	1	-46.820527611267	-24.188526796458	VS	100	1
-46.788349877704	-24.176390203907	VS	100	1	-46.820597245507	-24.18805319565	VS	100	1
-46.78311265829	-24.174450751928	VS	100	1	-46.82044416291	-24.188960473503	VS	100	1
-46.785345633646	-24.176870660925	VS	100	1	-46.875425827531	-24.218867933097	VS	70	1
-46.78822062383	-24.176050420557	VS	100	1	-46.875987099307	-24.218744387852	VS	100	1
-46.788117100999	-24.17575062182	VS	100	1	-46.855688059137	-24.20997016263	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.815238867401	-24.185340397414	VS	70	1	-46.855367799142	-24.210196749712	VS	70	1
-46.776196973555	-24.151577501822	VS	70	1	-46.869455151462	-24.217328534777	VS	100	1
-46.775571110455	-24.151252117052	VS	70	1	-46.869306480264	-24.218024643406	VS	100	1
-46.730509851059	-24.148278491758	VS	100	1	-46.820391406768	-24.188203077115	VS	100	1
-46.729611035188	-24.148784157589	VS	100	1	-46.820406226589	-24.189230479748	VS	100	1
-46.775223059989	-24.152298651685	VS	70	1	-46.869285261657	-24.217102251696	VS	100	1
-46.774922264181	-24.152138737366	VS	70	1	-46.869008717787	-24.216862431321	VS	100	1
-46.774721034621	-24.152650340105	VS	70	1	-46.869173810768	-24.223387785431	VS	70	1
-46.83042697136	-24.191796786383	VS	70	1	-46.869048283219	-24.217810891784	VS	100	1
-46.774422792743	-24.152491938122	VS	70	1	-46.868983682979	-24.218230804745	VS	100	1
-46.774288436294	-24.153037139252	VS	70	1	-46.870474171206	-24.216621165511	VS	100	1
-46.774000258349	-24.152887598503	VS	70	1	-46.870785839153	-24.229062443934	VS	100	1
-46.773826389631	-24.152175143884	VS	70	1	-46.870384813725	-24.216423317537	VS	100	1
-46.772200247685	-24.158620552318	VS	100	1	-46.870591650001	-24.228350140185	VS	100	1
-46.771920299713	-24.158818905549	VS	100	1	-46.870213950481	-24.216794298655	VS	100	1
-46.771630375252	-24.159008389263	VS	100	1	-46.788404273145	-24.186140881165	VS	150	1
-46.771319442827	-24.15923121489	VS	100	1	-46.787513359314	-24.17868173583	VS	100	1
-46.770371636155	-24.155903448812	VS	70	1	-46.873191590066	-24.218977864384	VS	100	1
-46.770122928442	-24.155762524614	VS	70	1	-46.82035523306	-24.189561138622	VS	100	1
-46.832817587864	-24.161829020672	VS	100	1	-46.820320189664	-24.189000336003	VS	100	1
-46.83253703098	-24.161590341541	VS	100	1	-46.820285093991	-24.187864833538	VS	100	1
-46.880878067061	-24.237690838013	VS	100	1	-46.820228876242	-24.190390241845	VS	100	1
-46.857536039347	-24.219066122762	VS	100	1	-46.820208493649	-24.188472617323	VS	100	1
-46.860154419943	-24.221126081219	VS	100	1	-46.791965516862	-24.177129980102	VS	100	1
-46.887726602102	-24.242932119961	VS	100	1	-46.884634497217	-24.237624516305	VS	100	1
-46.887491897321	-24.243112317676	VS	100	1	-46.884183241018	-24.237264978989	VS	100	1
-46.875239992983	-24.21548840023	VS	100	1	-46.883197129721	-24.236690162608	VS	100	1
-46.838253707438	-24.211905902642	VS	100	1	-46.88431510431	-24.237421767663	VS	100	1
-46.866462723126	-24.224560559639	VS	100	1	-46.822011472271	-24.190601894201	VS	100	1
-46.896523022199	-24.229780681921	VS	100	1	-46.882905778132	-24.236514174669	VS	100	1
-46.854626840776	-24.169964466765	VS	100	1	-46.883358108088	-24.237652523026	VS	100	1
-46.844364078929	-24.167391909709	VS	70	1	-46.885537394834	-24.238215546107	VS	100	1
-46.844107428497	-24.167176495514	VS	70	1	-46.870321186195	-24.228539735926	VS	100	1
-46.843862203676	-24.166976972828	VS	70	1	-46.820011011236	-24.187118208633	VS	100	1
-46.843559726919	-24.166721979201	VS	70	1	-46.82002368815	-24.188969299574	VS	100	1
-46.843270927247	-24.166497093873	VS	70	1	-46.869004288491	-24.22336292777	VS	70	1
-46.842965778939	-24.166248490984	VS	70	1	-46.868766594933	-24.216660017036	VS	100	1
-46.842675295808	-24.166009827121	VS	70	1	-46.868766182828	-24.217573841183	VS	100	1
-46.842377158613	-24.165760251614	VS	70	1	-46.868875813502	-24.223247416977	VS	70	1
-46.819680695829	-24.19413017547	VS	100	1	-46.868735331261	-24.218023018462	VS	100	1
-46.819465344458	-24.194017490596	VS	100	1	-46.868528281913	-24.217988061804	VS	100	1
-46.819141967467	-24.19386311318	VS	100	1	-46.868685674921	-24.223588531672	VS	70	1
-46.819898825478	-24.19410271053	VS	70	1	-46.868526073869	-24.216399526509	VS	100	1
-46.818921656367	-24.19770367843	VS	100	1	-46.868543655115	-24.218623799324	VS	100	1
-46.891650177493	-24.239063686331	VS	100	1	-46.870215016504	-24.227139133834	VS	100	1
-46.778980618444	-24.177140789525	VS	100	1	-46.869975730628	-24.216808862916	VS	100	1
-46.779116805919	-24.177248796573	VS	100	1	-46.869103389967	-24.187122260618	VS	100	1
-46.779278582241	-24.177299001207	VS	100	1	-46.785594242756	-24.114221571545	VS	100	1
-46.779547597837	-24.177440127363	VS	100	1	-46.873347552165	-24.218128975542	VS	70	1
-46.779855464771	-24.177589524824	VS	100	1	-46.873904722526	-24.217639179563	VS	250	1
-46.779901574917	-24.177651884643	VS	100	1	-46.81979998484	-24.188153805448	VS	100	1
-46.779817245125	-24.176714879652	VS	100	1	-46.874524196394	-24.21804814088	VS	100	1
-46.779527508766	-24.176922339623	VS	100	1	-46.868450516745	-24.217776868157	VS	100	1
-46.94015321764	-24.197969231327	VS	100	1	-46.868300738266	-24.218140412747	VS	100	1
-46.775915579097	-24.157407625233	VS	70	1	-46.868318457125	-24.216203900943	VS	100	1
-46.77563416254	-24.157612319638	VS	70	1	-46.868294645667	-24.218397123205	VS	100	1
-46.867252261371	-24.224010346994	VS	100	1	-46.868376894205	-24.223814068439	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867551442646	-24.223793811612	VS	100	1	-46.818945198824	-24.198763046473	VS	250	1
-46.866953069584	-24.22422687237	VS	100	1	-46.869685206643	-24.216564146744	VS	100	1
-46.867860456855	-24.223577209219	VS	100	1	-46.870041391383	-24.22873813898	VS	100	1
-46.866605159335	-24.22446166475	VS	100	1	-46.869980567031	-24.226994109619	VS	100	1
-46.868179062044	-24.223351597968	VS	100	1	-46.869821783777	-24.226787675074	VS	100	1
-46.868478686053	-24.223152906792	VS	100	1	-46.869771269991	-24.228936560863	VS	100	1
-46.876571426089	-24.225875489757	VS	100	1	-46.869675931021	-24.226803935321	VS	100	1
-46.863445237423	-24.211825435362	VS	100	1	-46.818485973714	-24.193537900834	VS	100	1
-46.863652724823	-24.212072645	VS	100	1	-46.786973289669	-24.17722835976	VS	100	1
-46.863861818922	-24.212316706359	VS	100	1	-46.786656614233	-24.177105959739	VS	100	1
-46.863433260175	-24.212012180241	VS	100	1	-46.785853948651	-24.176766132608	VS	100	1
-46.863147364128	-24.212222381162	VS	100	1	-46.786863309441	-24.175822400685	VS	100	1
-46.868378733558	-24.223001501357	VS	70	1	-46.786821834719	-24.175769601465	VS	100	1
-46.866100230916	-24.22463025267	VS	70	1	-46.786329392915	-24.176120712047	VS	100	1
-46.866315789923	-24.224678113107	VS	100	1	-46.786220015065	-24.172347341173	VS	100	1
-46.87161400945	-24.23090017357	VS	70	1	-46.86857083889	-24.226644885551	VS	100	1
-46.871322666163	-24.230911445648	VS	70	1	-46.868367256101	-24.226525989008	VS	100	1
-46.848653128365	-24.213091617406	VS	70	1	-46.813292882068	-24.192205048489	VS	100	1
-46.780521952155	-24.162082072049	VS	70	1	-46.736958521666	-24.156036926799	VS	100	1
-46.89955679546	-24.223376218976	VS	70	1	-46.736944900363	-24.156480030078	VS	100	1
-46.897061344442	-24.225243642286	VS	70	1	-46.737137521215	-24.156581931149	VS	100	1
-46.897302879817	-24.225044854433	VS	70	1	-46.737474509492	-24.156764196741	VS	100	1
-46.89748552867	-24.22490982893	VS	70	1	-46.737824540331	-24.156931590681	VS	100	1
-46.78235473653	-24.163943815528	VS	70	1	-46.736534002947	-24.15594828703	VS	100	1
-46.897658146059	-24.224791420477	VS	70	1	-46.736383883088	-24.155863388075	VS	100	1
-46.894351900266	-24.227168613397	VS	70	1	-46.736156116822	-24.15588475221	VS	100	1
-46.894091363563	-24.227358118196	VS	70	1	-46.736164288363	-24.156618525829	VS	100	1
-46.89381160522	-24.227565641184	VS	70	1	-46.736519683421	-24.156767834628	VS	100	1
-46.900081849637	-24.222872666411	VS	70	1	-46.736709247753	-24.156867099339	VS	100	1
-46.900344146491	-24.222657147818	VS	70	1	-46.73704764657	-24.157046538488	VS	100	1
-46.900609694104	-24.222451526394	VS	70	1	-46.737172672729	-24.157107826541	VS	100	1
-46.9009132627	-24.222264557101	VS	70	1	-46.735901087304	-24.156798631741	VS	100	1
-46.901192422593	-24.222044929047	VS	70	1	-46.735981868641	-24.156966866391	VS	100	1
-46.901585761881	-24.221682607209	VS	70	1	-46.736162436683	-24.15707398472	VS	100	1
-46.753522879051	-24.167201833769	VS	70	1	-46.736540281006	-24.15727658091	VS	100	1
-46.848939665784	-24.213257936233	VS	70	1	-46.736917633363	-24.157470075013	VS	100	1
-46.823659387888	-24.196957554652	VS	100	1	-46.735288649552	-24.15651606233	VS	100	1
-46.879548183745	-24.225013781489	VS	70	1	-46.734832174171	-24.156848477934	VS	100	1
-46.767429752517	-24.168286957024	VS	100	1	-46.734679396902	-24.157066184617	VS	100	1
-46.883970192932	-24.220810001308	VS	70	1	-46.735189248458	-24.157321533467	VS	100	1
-46.88608648147	-24.220157453823	VS	70	1	-46.735097759008	-24.157326968112	VS	100	1
-46.872764083019	-24.227668570997	VS	70	1	-46.735372558055	-24.157186396441	VS	100	1
-46.819904270229	-24.186725685868	VS	70	1	-46.726551134603	-24.14423208027	VS	70	1
-46.8201341662	-24.187340319891	VS	70	1	-46.776485532996	-24.155555263822	VS	70	1
-46.820596653801	-24.185611959005	VS	70	1	-46.880124320537	-24.206902748052	VS	70	1
-46.820180071398	-24.187580117356	VS	70	1	-46.784527671585	-24.159487600633	VS	70	1
-46.898476860866	-24.224171650674	VS	70	1	-46.78482941804	-24.15933558935	VS	70	1
-46.898750250785	-24.223969707169	VS	70	1	-46.735600094842	-24.157015128805	VS	100	1
-46.899016009896	-24.223763175145	VS	70	1	-46.735603960075	-24.156290013734	VS	100	1
-46.865612895005	-24.208878203959	VS	250	1	-46.735903071155	-24.15606473691	VS	100	1
-46.865958573269	-24.208507246861	VS	70	1	-46.736059067198	-24.155171281306	VS	100	1
-46.865726593303	-24.208241314905	VS	70	1	-46.735827599168	-24.155338572427	VS	100	1
-46.865483985553	-24.207949586524	VS	70	1	-46.736462908429	-24.155659211261	VS	100	1
-46.866211412713	-24.208782671761	VS	70	1	-46.735072126535	-24.155997601967	VS	100	1
-46.866446240104	-24.209066415733	VS	70	1	-46.840652811315	-24.166049437414	VS	70	1
-46.866315815918	-24.207902457526	VS	70	1	-46.734910486283	-24.156000323924	VS	100	1
-46.866983566732	-24.208670135789	VS	70	1	-46.735315496616	-24.156271929684	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.866073582012	-24.207603085294	VS	70	1	-46.734850465302	-24.155749458483	VS	100	1
-46.901498378333	-24.230122587868	VS	70	1	-46.734653574625	-24.156196344562	VS	100	1
-46.867109031058	-24.207711419356	VS	70	1	-46.734340958662	-24.156414902598	VS	100	1
-46.866885818359	-24.207447620754	VS	70	1	-46.734092079371	-24.1567134984	VS	100	1
-46.867454878814	-24.2070409933	VS	70	1	-46.734390646663	-24.156889807934	VS	100	1
-46.867242836977	-24.206775875862	VS	70	1	-46.833616888478	-24.155907017341	VS	100	1
-46.868164641425	-24.207845134348	VS	70	1	-46.833384447267	-24.155724384922	VS	100	1
-46.868732737152	-24.207446112495	VS	70	1	-46.739343843858	-24.154521831366	VS	100	1
-46.867821716807	-24.206369152739	VS	70	1	-46.738949948938	-24.154368558528	VS	100	1
-46.868840252824	-24.206492639862	VS	70	1	-46.831777251341	-24.184573346798	VS	70	1
-46.868613918464	-24.206229245729	VS	70	1	-46.868531725387	-24.21428335976	VS	70	1
-46.868381280223	-24.205954391612	VS	70	1	-46.73819564234	-24.154615004366	VS	100	1
-46.869039129288	-24.206782896061	VS	70	1	-46.737933002666	-24.15449670295	VS	100	1
-46.869279304226	-24.207074075441	VS	70	1	-46.73836756607	-24.154064205234	VS	100	1
-46.868916513763	-24.205577566242	VS	70	1	-46.738361182216	-24.154152233211	VS	100	1
-46.869762711326	-24.205425684768	VS	70	1	-46.738650840812	-24.154225608769	VS	100	1
-46.869530269922	-24.205151081086	VS	70	1	-46.739419091896	-24.155259791188	VS	100	1
-46.869848567287	-24.206659085283	VS	70	1	-46.739754233886	-24.155441756623	VS	100	1
-46.87076225891	-24.205583959845	VS	70	1	-46.741688219427	-24.155803436908	VS	100	1
-46.870997780079	-24.205864677566	VS	70	1	-46.741340231447	-24.155618510715	VS	100	1
-46.870709075438	-24.204365286082	VS	70	1	-46.74104228924	-24.155468971348	VS	100	1
-46.870920411071	-24.204612220864	VS	70	1	-46.740723250695	-24.155303515326	VS	100	1
-46.871125744504	-24.204844124472	VS	70	1	-46.740353472737	-24.15502778769	VS	100	1
-46.871608086499	-24.205427675791	VS	70	1	-46.740321100802	-24.155170272389	VS	100	1
-46.871715449363	-24.204463221408	VS	70	1	-46.740146011656	-24.154920354882	VS	100	1
-46.871490758733	-24.204207269356	VS	70	1	-46.740415094076	-24.155788067365	VS	100	1
-46.871258305166	-24.203932667821	VS	70	1	-46.739125945122	-24.155922318177	VS	100	1
-46.87197927903	-24.204764767468	VS	70	1	-46.738808951318	-24.155757185934	VS	100	1
-46.872211081512	-24.205038007094	VS	70	1	-46.738547666782	-24.155609551035	VS	100	1
-46.810060065421	-24.196724932854	VS	250	1	-46.738286494195	-24.155465957777	VS	100	1
-46.886712941162	-24.241324178263	VS	100	1	-46.738086179362	-24.155149466026	VS	100	1
-46.838628649043	-24.203575632425	VS	70	1	-46.737445954999	-24.154858969941	VS	100	1
-46.838316693023	-24.204087048571	VS	70	1	-46.737647697481	-24.15468639056	VS	100	1
-46.896770001887	-24.236354862402	VS	100	1	-46.737141341654	-24.154886091628	VS	100	1
-46.847157613981	-24.168276826077	VS	70	1	-46.736825321408	-24.154724940785	VS	100	1
-46.846915529203	-24.168493924742	VS	70	1	-46.736584075257	-24.154598292682	VS	100	1
-46.788457858319	-24.183428222213	VS	250	1	-46.736966279264	-24.15452149628	VS	100	1
-46.787901585995	-24.18314696109	VS	250	1	-46.737274157157	-24.154290321886	VS	100	1
-46.779619323405	-24.170557310951	VS	70	1	-46.737460707161	-24.154149718786	VS	100	1
-46.907756925342	-24.230580400416	VS	70	1	-46.737712381558	-24.153962326851	VS	100	1
-46.842255404256	-24.170554999803	VS	70	1	-46.73776524506	-24.153741396534	VS	100	1
-46.78965810699	-24.164242115571	VS	70	1	-46.738080830301	-24.153908221821	VS	100	1
-46.764928727618	-24.169086448612	VS	100	1	-46.737541543712	-24.153622840971	VS	100	1
-46.765216451554	-24.168858414674	VS	100	1	-46.737173833837	-24.153696123119	VS	100	1
-46.742201360976	-24.148304753208	VS	100	1	-46.736895264779	-24.153895716494	VS	100	1
-46.742693601203	-24.147953276849	VS	100	1	-46.736634657326	-24.154086093432	VS	100	1
-46.742452502813	-24.148133428921	VS	100	1	-46.736297911586	-24.154335904527	VS	100	1
-46.741959955823	-24.148476051637	VS	100	1	-46.73593693501	-24.154025776757	VS	100	1
-46.741709017597	-24.148656296897	VS	100	1	-46.736235818176	-24.153798589966	VS	100	1
-46.741448261321	-24.148836609791	VS	100	1	-46.736496581778	-24.15361828826	VS	100	1
-46.741207129588	-24.149016776587	VS	100	1	-46.735383531507	-24.15378836094	VS	100	1
-46.740955984493	-24.149188098328	VS	100	1	-46.735677045353	-24.153578460694	VS	100	1
-46.740463764855	-24.149539559507	VS	100	1	-46.758536959986	-24.164433921287	VS	100	1
-46.739923048854	-24.149918160276	VS	100	1	-46.74093384874	-24.154642047652	VS	100	1
-46.739657332872	-24.150108617379	VS	100	1	-46.74123845039	-24.154521184585	VS	100	1
-46.740183799488	-24.14973785035	VS	100	1	-46.741431148659	-24.154368126467	VS	100	1
-46.739380223816	-24.150307509227	VS	100	1	-46.740623929804	-24.154486069427	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.739083154971	-24.15051303646	VS	100	1	-46.740299929471	-24.154316263887	VS	100	1
-46.727834856599	-24.127389042789	VS	100	1	-46.739899255053	-24.154106178116	VS	100	1
-46.728069332107	-24.127312970342	VS	70	1	-46.739609443568	-24.153954276476	VS	100	1
-46.728272005446	-24.127236439074	VS	70	1	-46.7392853036	-24.153786394446	VS	100	1
-46.86666109193	-24.217483264222	VS	70	1	-46.739214102159	-24.153623081194	VS	100	1
-46.866371447335	-24.217690834925	VS	70	1	-46.738999180747	-24.153643285818	VS	100	1
-46.722045466946	-24.138954239986	VS	70	1	-46.741594173403	-24.153950267039	VS	100	1
-46.854446159135	-24.214835808626	VS	70	1	-46.741474185128	-24.154132864377	VS	100	1
-46.813522693248	-24.176670402036	VS	70	1	-46.741186053841	-24.153983257359	VS	100	1
-46.873361783611	-24.229672734232	VS	70	1	-46.740858261783	-24.153816096752	VS	100	1
-46.873612972185	-24.22950119227	VS	70	1	-46.740309904332	-24.153607472081	VS	100	1
-46.828497700607	-24.186017914154	VS	70	1	-46.741971462255	-24.153971687262	VS	100	1
-46.840284623586	-24.197551201806	VS	70	1	-46.74187995115	-24.153736675459	VS	100	1
-46.864044851291	-24.219368332169	VS	70	1	-46.742315869781	-24.153945938315	VS	100	1
-46.864272482075	-24.21917367718	VS	70	1	-46.735371258875	-24.155666513449	VS	100	1
-46.86456225548	-24.219005191526	VS	70	1	-46.735587898276	-24.155510843501	VS	100	1
-46.866069705428	-24.217902782559	VS	70	1	-46.738349248393	-24.154947714942	VS	100	1
-46.865785817476	-24.218108001916	VS	70	1	-46.787153881853	-24.17849325638	VS	100	1
-46.844403512537	-24.200636762305	VS	70	1	-46.786949786162	-24.178395421081	VS	150	1
-46.844232522617	-24.200910717981	VS	70	1	-46.786513799884	-24.178981457573	VS	250	1
-46.844045803724	-24.201220705071	VS	70	1	-46.786311856712	-24.178972341874	VS	100	1
-46.841715869472	-24.205084261358	VS	70	1	-46.79186979755	-24.178924650665	VS	100	1
-46.756215547948	-24.158856137598	VS	70	1	-46.791770647525	-24.178712508531	VS	100	1
-46.755987043822	-24.158741394397	VS	70	1	-46.791615687362	-24.178795893656	VS	100	1
-46.813041238609	-24.179878318298	VS	70	1	-46.791475884749	-24.178144802482	VS	100	1
-46.729630699683	-24.124545167135	VS	70	1	-46.791317514335	-24.178646380677	VS	100	1
-46.730131296245	-24.124724818329	VS	70	1	-46.791169159402	-24.177987930447	VS	100	1
-46.723819736976	-24.138627443881	VS	70	1	-46.791026704127	-24.178512983654	VS	100	1
-46.724063617404	-24.138909316682	VS	70	1	-46.790893976268	-24.177847067625	VS	100	1
-46.773971647447	-24.164829966803	VS	70	1	-46.744128439012	-24.157069514359	VS	70	1
-46.774897328861	-24.164164261212	VS	70	1	-46.79063632016	-24.1781343709	VS	100	1
-46.775219895267	-24.163933349099	VS	70	1	-46.790462773117	-24.178215455691	VS	100	1
-46.773353082691	-24.165284118748	VS	70	1	-46.790340412745	-24.177543370939	VS	100	1
-46.773060065401	-24.165502286857	VS	70	1	-46.790174519275	-24.178065935585	VS	100	1
-46.772741475876	-24.16572768713	VS	70	1	-46.789886199215	-24.177916359076	VS	100	1
-46.776329615006	-24.15493126506	VS	70	1	-46.789601140212	-24.177773733302	VS	100	1
-46.776592934876	-24.1547396985	VS	70	1	-46.787937620293	-24.177231174218	VS	100	1
-46.776876453578	-24.154536853816	VS	70	1	-46.789300010533	-24.177617454377	VS	100	1
-46.778321718874	-24.153506916142	VS	70	1	-46.788970360004	-24.177445095137	VS	100	1
-46.778043583166	-24.153712329462	VS	70	1	-46.788693522154	-24.177299684048	VS	100	1
-46.777258448775	-24.153367037474	VS	70	1	-46.787566372865	-24.177411187219	VS	100	1
-46.769602748161	-24.159732627085	VS	70	1	-46.791902148551	-24.177610167602	VS	100	1
-46.770304822854	-24.159232962197	VS	70	1	-46.791848948146	-24.1781451907	VS	100	1
-46.769933192201	-24.159500475289	VS	70	1	-46.791853197942	-24.179637845944	VS	100	1
-46.773080603056	-24.157248904358	VS	70	1	-46.791752082981	-24.178282329558	VS	100	1
-46.773350737235	-24.157050618636	VS	70	1	-46.791750846046	-24.179031661104	VS	100	1
-46.773640487592	-24.156852191475	VS	70	1	-46.791696724728	-24.179310168207	VS	100	1
-46.773891407466	-24.1566718896	VS	70	1	-46.791687000449	-24.180133825601	VS	100	1
-46.772273299391	-24.1578181675	VS	70	1	-46.791645078309	-24.179613843658	VS	100	1
-46.771730524451	-24.158215142013	VS	70	1	-46.791576027012	-24.177665605084	VS	100	1
-46.771176372268	-24.158604829196	VS	70	1	-46.791594183281	-24.179943694648	VS	100	1
-46.770294029105	-24.158296361336	VS	70	1	-46.791525154854	-24.179470728888	VS	100	1
-46.770487155654	-24.15850283665	VS	70	1	-46.791438353031	-24.18001940996	VS	100	1
-46.770043043035	-24.157999501905	VS	100	1	-46.791242304702	-24.177737312529	VS	100	1
-46.857503382272	-24.212253768911	VS	70	1	-46.791276478655	-24.179338686468	VS	100	1
-46.857644885868	-24.212420448835	VS	70	1	-46.791189970606	-24.179896346128	VS	100	1
-46.858177112026	-24.212096673956	VS	70	1	-46.791024296364	-24.179217654189	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.858409446759	-24.212362526992	VS	70	1	-46.790881349818	-24.177236241437	VS	100	1
-46.858498236077	-24.211533138751	VS	70	1	-46.790931871409	-24.179761247624	VS	100	1
-46.85867924102	-24.21174473983	VS	70	1	-46.790746023449	-24.178363241156	VS	100	1
-46.858861183643	-24.211957457261	VS	70	1	-46.790689117675	-24.177809757079	VS	100	1
-46.789391103629	-24.18518323516	VS	250	1	-46.790700327703	-24.179048637727	VS	100	1
-46.791002829674	-24.175464481868	VS	100	1	-46.790577062816	-24.177669212565	VS	100	1
-46.790237255413	-24.175379236289	VS	100	1	-46.79060172985	-24.178423785692	VS	100	1
-46.836997634128	-24.184942292754	VS	70	1	-46.790593336499	-24.179588356901	VS	100	1
-46.837177997332	-24.185416399379	VS	70	1	-46.790553564556	-24.178711788206	VS	100	1
-46.837416738259	-24.185641210596	VS	70	1	-46.790501975411	-24.179015149037	VS	100	1
-46.837682025519	-24.185906589944	VS	70	1	-46.790459604897	-24.179301445462	VS	250	1
-46.877554063908	-24.225772884678	VS	70	1	-46.790352173855	-24.178863778197	VS	100	1
-46.867184186643	-24.214671138247	VS	70	1	-46.790325300286	-24.179456625048	VS	100	1
-46.711367270901	-24.143848327532	VS	100	1	-46.790052378574	-24.177402764444	VS	100	1
-46.821689839743	-24.161613427006	VS	100	1	-46.78975422009	-24.177253267357	VS	100	1
-46.816091526604	-24.189702050832	VS	250	2	-46.789546528552	-24.177238506645	VS	100	1
-46.776060687674	-24.155127787462	VS	70	1	-46.78860214942	-24.177614655353	VS	100	1
-46.847454739438	-24.149016176069	VS	70	1	-46.789488984713	-24.177533434775	VS	100	1
-46.808097858841	-24.14883762462	VS	70	1	-46.789457093787	-24.177807930483	VS	100	1
-46.808131699291	-24.149423293313	VS	70	1	-46.78814579284	-24.177093791333	VS	100	1
-46.862063340034	-24.210487386639	VS	70	1	-46.787970389966	-24.176956342849	VS	100	1
-46.861944651282	-24.210351022009	VS	70	1	-46.787581246189	-24.178004899098	VS	100	1
-46.815234587504	-24.188170564167	VS	70	1	-46.787455140668	-24.177452259036	VS	100	1
-46.809602452261	-24.190829510305	VS	70	1	-46.787350181904	-24.177607084938	VS	100	1
-46.866634975625	-24.215355480892	VS	70	1	-46.787265451747	-24.17775940525	VS	100	1
-46.866800690128	-24.215533397229	VS	70	1	-46.787237485656	-24.177822066112	VS	100	1
-46.860350206513	-24.21363470371	VS	70	1	-46.787057164074	-24.177732886041	VS	100	1
-46.80828656054	-24.19173547191	VS	70	1	-46.78671654465	-24.177547524401	VS	100	1
-46.817637700585	-24.195888510782	VS	70	1	-46.786110365768	-24.177994378843	VS	100	1
-46.833578573641	-24.205070887545	VS	100	1	-46.785921088183	-24.177888585946	VS	100	1
-46.90862627428	-24.240951992442	VS	100	1	-46.78549187985	-24.177959376652	VS	100	1
-46.81088874254	-24.18882674304	VS	100	1	-46.785405768322	-24.177712422169	VS	100	1
-46.810678942751	-24.188839909433	VS	100	1	-46.786438084466	-24.177406707644	VS	100	1
-46.810657419575	-24.188652119011	VS	100	1	-46.786597276547	-24.178231791438	VS	100	1
-46.810498222339	-24.189065849783	VS	100	1	-46.786289156753	-24.178082273463	VS	100	1
-46.810381102374	-24.189117577121	VS	100	1	-46.785642344836	-24.177635703179	VS	100	1
-46.810379562138	-24.188441952889	VS	100	1	-46.784828020763	-24.177913026829	VS	100	1
-46.809750550693	-24.188727342303	VS	100	1	-46.785301956597	-24.177449371303	VS	100	1
-46.810032194868	-24.188897159331	VS	100	1	-46.784376417622	-24.177933273966	VS	100	1
-46.809432822702	-24.188992784635	VS	100	1	-46.784023314042	-24.177733505332	VS	100	1
-46.810156561468	-24.188281865666	VS	100	1	-46.783937659492	-24.177233274958	VS	100	1
-46.809675623485	-24.187868224916	VS	70	1	-46.783805346414	-24.177439180737	VS	100	1
-46.817160290295	-24.193671843175	VS	100	1	-46.783706545398	-24.177572806907	VS	100	1
-46.815585373022	-24.193847812462	VS	100	1	-46.783377060429	-24.177390325243	VS	100	1
-46.814460829266	-24.192928067377	VS	100	1	-46.733872841624	-24.156757852518	VS	100	1
-46.824598082877	-24.181498533152	VS	70	1	-46.781684544487	-24.178464614581	VS	100	1
-46.876441259938	-24.214978565352	VS	70	1	-46.781548576585	-24.177282041454	VS	70	1
-46.875879876365	-24.214668024714	VS	70	1	-46.782129337532	-24.177765375452	VS	100	1
-46.773613173911	-24.174296402952	VS	70	1	-46.781922556736	-24.178057569632	VS	100	1
-46.773850390911	-24.174420075232	VS	70	1	-46.781897494175	-24.178020334378	VS	100	1
-46.774193468551	-24.174595839348	VS	70	1	-46.781799409249	-24.178245849031	VS	100	1
-46.774501456657	-24.174766166001	VS	70	1	-46.781574347502	-24.177472942202	VS	100	1
-46.774819685125	-24.174935613332	VS	70	1	-46.781569568134	-24.177853245899	VS	100	1
-46.788324554138	-24.155103349961	VS	100	1	-46.78132728239	-24.178364970422	VS	100	1
-46.789220644769	-24.156431789564	VS	100	1	-46.781283013956	-24.177280694807	VS	100	1
-46.868273641128	-24.214653681556	VS	70	1	-46.781248029172	-24.177499104514	VS	100	1
-46.868572451187	-24.214436265825	VS	70	1	-46.781060581029	-24.178240581209	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867771507074	-24.21499664166	VS	70	1	-46.780978791959	-24.177678844183	VS	100	1
-46.867500928821	-24.21517726071	VS	70	1	-46.780768160446	-24.17807534972	VS	100	1
-46.787683355331	-24.183028647597	VS	250	1	-46.7789957522	-24.176539808172	VS	100	1
-46.797748421949	-24.191449510687	VS	250	1	-46.778722246671	-24.176734247143	VS	100	1
-46.797131119806	-24.190786087966	VS	100	1	-46.780708939868	-24.177876931243	VS	100	1
-46.797671184883	-24.191049869339	VS	250	1	-46.780451840558	-24.177906227586	VS	100	1
-46.797523763841	-24.190800476743	VS	100	1	-46.780152856122	-24.177755039893	VS	100	1
-46.771279789908	-24.156374479969	VS	100	1	-46.778213173685	-24.180013235146	VS	100	1
-46.902904957909	-24.192858149215	VS	70	1	-46.778036715166	-24.180312376326	VS	100	1
-46.902632530067	-24.193046365948	VS	70	1	-46.777855389143	-24.18059279183	VS	100	1
-46.902269841661	-24.193294266811	VS	70	1	-46.777683231831	-24.180883333564	VS	100	1
-46.901956747516	-24.193515920573	VS	70	1	-46.780362520356	-24.178776129155	VS	100	1
-46.901724781683	-24.193669573437	VS	70	1	-46.780198588798	-24.179061258899	VS	100	1
-46.845455081395	-24.159026079329	VS	100	1	-46.779629176591	-24.178011036615	VS	100	1
-46.845357412859	-24.159283010046	VS	100	1	-46.77934192203	-24.178190489789	VS	100	1
-46.845123136616	-24.158979453755	VS	100	1	-46.779081682703	-24.178386342751	VS	100	1
-46.845150267166	-24.15806301936	VS	100	1	-46.779036111902	-24.177729015825	VS	100	1
-46.845001252433	-24.158394339493	VS	100	1	-46.778926677035	-24.178497165529	VS	100	1
-46.844880134466	-24.158691392457	VS	100	1	-46.778852382565	-24.177846362808	VS	100	1
-46.88940164788	-24.233388597035	VS	100	1	-46.778572395909	-24.178044723562	VS	100	1
-46.875952959777	-24.223178771198	VS	100	1	-46.778321227317	-24.178216105671	VS	100	1
-46.750163848873	-24.159284334854	VS	100	1	-46.778191766654	-24.177420315226	VS	100	1
-46.835575528794	-24.195093299957	VS	100	1	-46.778071837223	-24.178369883901	VS	100	1
-46.822561468092	-24.175146301319	VS	70	1	-46.777909855861	-24.177623688193	VS	100	1
-46.82172643552	-24.174904528933	VS	70	1	-46.777798867253	-24.178553868239	VS	100	1
-46.821525120562	-24.175160549102	VS	70	1	-46.877643602554	-24.230087083859	VS	100	1
-46.821324797659	-24.17540299998	VS	70	1	-46.777542947467	-24.178707139752	VS	100	1
-46.821419367717	-24.175570282643	VS	70	1	-46.777388740391	-24.177996194406	VS	100	1
-46.872217730559	-24.2084562214	VS	100	1	-46.777345650552	-24.178839777453	VS	100	1
-46.873637199141	-24.207472309812	VS	100	1	-46.833867413266	-24.156119212091	VS	100	1
-46.930842244322	-24.204877302319	VS	100	1	-46.736218139231	-24.153192586431	VS	100	1
-46.774201468341	-24.174366107996	VS	100	1	-46.733183393435	-24.155587522109	VS	100	1
-46.878428287447	-24.216423343606	VS	100	1	-46.732764927736	-24.155616538798	VS	100	1
-46.880987907606	-24.214593798645	VS	100	1	-46.887511165746	-24.235086223572	VS	100	1
-46.872853609726	-24.228570296503	VS	100	1	-46.878622325326	-24.223633564614	VS	100	1
-46.741981666784	-24.153159809388	VS	70	1	-46.815561248487	-24.193529507328	VS	100	1
-46.864998758198	-24.197528866933	VS	100	1	-46.862573464319	-24.216746743597	VS	100	1
-46.876567336344	-24.217761350569	VS	100	1	-46.880728045233	-24.233924335865	VS	100	1
-46.831599830884	-24.192397406042	VS	100	1	-46.878327177644	-24.223859682584	VS	100	1
-46.84565358137	-24.143456626305	VS	100	1	-46.908661264494	-24.244296010293	VS	100	1
-46.845839327594	-24.143187822249	VS	100	1	-46.906964263886	-24.244849497642	VS	100	1
-46.831878543363	-24.193784864837	VS	100	1	-46.906716920008	-24.244352923384	VS	100	1
-46.831908061956	-24.192579698729	VS	100	1	-46.905992826523	-24.246923833713	VS	100	1
-46.832225378655	-24.192772779585	VS	100	1	-46.905229951778	-24.236187627592	VS	100	1
-46.832519875355	-24.192951602459	VS	100	1	-46.904992329873	-24.236039022806	VS	100	1
-46.847632818704	-24.208650397143	VS	100	1	-46.904863731192	-24.236571054358	VS	100	1
-46.747060690035	-24.158469880397	VS	100	1	-46.904686317434	-24.235999091246	VS	100	1
-46.782434070945	-24.161562650449	VS	100	1	-46.904663320315	-24.235845324115	VS	100	1
-46.726666912832	-24.132529455024	VS	100	1	-46.904604745266	-24.236419276374	VS	100	1
-46.727123239803	-24.133385784458	VS	100	1	-46.904483601316	-24.236143519937	VS	100	1
-46.727001021189	-24.133171922558	VS	100	1	-46.904384378828	-24.235686984998	VS	100	1
-46.726780961101	-24.134170247868	VS	100	1	-46.904357630983	-24.237018325323	VS	100	1
-46.798272941311	-24.18881192494	VS	100	1	-46.904174943173	-24.236378135162	VS	100	1
-46.851392825142	-24.208108050665	VS	100	1	-46.904115019412	-24.235519625619	VS	100	1
-46.851624723629	-24.207505122448	VS	100	1	-46.904016133639	-24.236058092432	VS	100	1
-46.851406445555	-24.207565572723	VS	100	1	-46.903796140153	-24.23533483629	VS	100	1
-46.851689729	-24.207357271171	VS	100	1	-46.903766894705	-24.235908451417	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.851470842249	-24.207328579471	VS	100	1	-46.90364975863	-24.236576283075	VS	100	1
-46.850683506966	-24.206400220468	VS	100	1	-46.903518714043	-24.23515997313	VS	100	1
-46.850868224351	-24.206615852147	VS	100	1	-46.903458046408	-24.235732506534	VS	100	1
-46.856105290821	-24.216320780911	VS	100	1	-46.903380643248	-24.236417855323	VS	100	1
-46.755677607686	-24.168814711899	VS	100	1	-46.903248762481	-24.235609170422	VS	100	1
-46.889448189951	-24.233103599864	VS	100	1	-46.903051847036	-24.236224312314	VS	100	1
-46.890415658864	-24.232902090345	VS	100	1	-46.902710998316	-24.236025196039	VS	100	1
-46.891117568928	-24.231201403269	VS	100	1	-46.903924223428	-24.236567569343	VS	100	1
-46.890878387867	-24.231060563137	VS	100	1	-46.904265607415	-24.236216683913	VS	100	1
-46.891685740797	-24.231553513102	VS	100	1	-46.90400913639	-24.236805444467	VS	100	1
-46.892825015625	-24.232224661765	VS	100	1	-46.906126511005	-24.23188140256	VS	100	1
-46.892524661033	-24.232048665095	VS	100	1	-46.906028192945	-24.232473779735	VS	70	1
-46.878909869367	-24.221073623897	VS	100	1	-46.905875657612	-24.232054220029	VS	100	1
-46.869610556831	-24.223137674014	VS	100	1	-46.905846589617	-24.232278951938	VS	70	1
-46.864222076368	-24.214254674497	VS	100	1	-46.905605849976	-24.232261592019	VS	100	1
-46.862466742467	-24.211127467818	VS	100	1	-46.905354699839	-24.23243319224	VS	100	1
-46.861465818189	-24.21282423864	VS	100	1	-46.905094370202	-24.232631639585	VS	100	1
-46.861272464438	-24.212610050063	VS	100	1	-46.904871561908	-24.233869893864	VS	100	1
-46.861068273591	-24.212368039541	VS	100	1	-46.904649569289	-24.233630768538	VS	100	1
-46.860253474052	-24.211434013356	VS	100	1	-46.904563636689	-24.233019731441	VS	100	1
-46.860447296452	-24.211664904811	VS	100	1	-46.904204910635	-24.233125746699	VS	100	1
-46.860628279328	-24.21186606244	VS	100	1	-46.903982920208	-24.232886629727	VS	70	1
-46.860867716191	-24.212124351515	VS	100	1	-46.903770756314	-24.232647425736	VS	70	1
-46.861004170865	-24.212159505702	VS	100	1	-46.904843434212	-24.232812162014	VS	100	1
-46.862009759498	-24.212438384378	VS	100	1	-46.904417095455	-24.233364959824	VS	100	1
-46.860912874031	-24.213223288821	VS	100	1	-46.886719361813	-24.234039662528	VS	100	1
-46.860721442276	-24.213012911695	VS	100	1	-46.888916864823	-24.235128471642	VS	100	1
-46.860500764161	-24.212774896671	VS	100	1	-46.888608706822	-24.234979251345	VS	100	1
-46.86005282588	-24.212267210808	VS	100	1	-46.888317246246	-24.234830320005	VS	100	1
-46.859670900763	-24.211846507386	VS	100	1	-46.888097798785	-24.235375975208	VS	100	1
-46.859867471447	-24.21206141634	VS	100	1	-46.888012033956	-24.234680664404	VS	100	1
-46.860290383485	-24.212534943746	VS	100	1	-46.887799457106	-24.235226676304	VS	100	1
-46.859091752514	-24.212263320667	VS	100	1	-46.887690363381	-24.234691372052	VS	100	1
-46.859295531676	-24.212497874774	VS	100	1	-46.887684186824	-24.234522776771	VS	100	1
-46.859475478434	-24.212711267651	VS	100	1	-46.887355681366	-24.234355736986	VS	100	1
-46.85969302187	-24.212960712412	VS	100	1	-46.887420414351	-24.234898785079	VS	100	1
-46.860164741788	-24.213430123558	VS	100	1	-46.887150116599	-24.235088290354	VS	100	1
-46.859919039574	-24.21319013708	VS	100	1	-46.887017699621	-24.234188954026	VS	100	1
-46.859868093015	-24.21297095224	VS	100	1	-46.886905800451	-24.235277975378	VS	100	1
-46.857336124784	-24.214767007678	VS	100	1	-46.886894464023	-24.234769986098	VS	100	1
-46.856766846294	-24.215172862394	VS	100	1	-46.886634488367	-24.235480003051	VS	100	1
-46.85732052099	-24.215433227973	VS	100	1	-46.886586027444	-24.234611819133	VS	100	1
-46.857512898609	-24.21564496033	VS	100	1	-46.88631080025	-24.234477371369	VS	100	1
-46.855753367907	-24.214681030015	VS	100	1	-46.889506019225	-24.23544144979	VS	100	1
-46.855210572112	-24.215872754161	VS	100	1	-46.889210089499	-24.235309719768	VS	100	1
-46.855530862773	-24.215488583656	VS	100	1	-46.886373613309	-24.235175505103	VS	100	1
-46.859134982029	-24.213363340394	VS	100	1	-46.890005376829	-24.232690043489	VS	70	1
-46.858590304476	-24.213749099752	VS	100	1	-46.890480299532	-24.232336744555	VS	70	1
-46.85881029184	-24.214016870323	VS	100	1	-46.890132424655	-24.232170007715	VS	70	1
-46.836803195083	-24.197010622306	VS	100	1	-46.909587743001	-24.242864066371	VS	100	1
-46.847848156409	-24.208499818553	VS	100	1	-46.895269460262	-24.239910666662	VS	100	1
-46.848125497142	-24.208307348033	VS	100	1	-46.869111228531	-24.229652815128	VS	100	1
-46.847676992827	-24.207548100737	VS	100	1	-46.868805759685	-24.229622412792	VS	100	1
-46.84724061646	-24.207043774375	VS	100	1	-46.868792376524	-24.229467941454	VS	100	1
-46.847454725487	-24.207291065731	VS	100	1	-46.869104953213	-24.229405884884	VS	100	1
-46.847909588471	-24.207831618601	VS	100	1	-46.868506342367	-24.229830016738	VS	100	1
-46.848152153776	-24.208106635625	VS	100	1	-46.868493650261	-24.229300763421	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.848370874835	-24.208355801108	VS	100	1	-46.86821895337	-24.229323707756	VS	100	1
-46.848857398038	-24.208923354258	VS	100	1	-46.868489341218	-24.229134168337	VS	100	1
-46.849113200168	-24.209205610869	VS	100	1	-46.868778881366	-24.22892668346	VS	100	1
-46.84859630417	-24.208626076121	VS	100	1	-46.86904949017	-24.228746075054	VS	100	1
-46.849270197878	-24.208569537273	VS	100	1	-46.869319662312	-24.228547619851	VS	100	1
-46.849527970243	-24.208851982228	VS	100	1	-46.867634481885	-24.23034860976	VS	100	1
-46.849026265906	-24.208283214123	VS	100	1	-46.867367507043	-24.230192282913	VS	100	1
-46.849661666443	-24.208791633968	VS	100	1	-46.867760321016	-24.230362733843	VS	100	1
-46.849420886503	-24.208502349861	VS	100	1	-46.867049073068	-24.230069025719	VS	100	1
-46.849181719959	-24.208215787336	VS	100	1	-46.867965372513	-24.230209197653	VS	100	1
-46.831731161661	-24.202016052274	VS	100	1	-46.866804857783	-24.229912198928	VS	100	1
-46.830213264726	-24.200723106235	VS	100	1	-46.868245758134	-24.230019479934	VS	100	1
-46.830373708964	-24.20045418203	VS	100	1	-46.868434912164	-24.230738726444	VS	100	1
-46.82938679445	-24.199735917348	VS	100	1	-46.868306636178	-24.230738223446	VS	100	1
-46.8290687714	-24.199577756119	VS	100	1	-46.868609538514	-24.230919256618	VS	100	1
-46.829704741559	-24.199894021812	VS	100	1	-46.868912634843	-24.231098878978	VS	100	1
-46.830012943848	-24.200052264269	VS	100	1	-46.870599496411	-24.230178999248	VS	100	1
-46.830321157084	-24.200210497463	VS	100	1	-46.870881940371	-24.229968378085	VS	100	1
-46.830543754542	-24.200176252226	VS	100	1	-46.91236966789	-24.240845397326	VS	100	1
-46.830639222257	-24.200368675574	VS	100	1	-46.910645261429	-24.242095526137	VS	100	1
-46.831573142665	-24.200834202689	VS	100	1	-46.870298204423	-24.230400224788	VS	100	1
-46.832639951731	-24.200775644554	VS	100	1	-46.811718281439	-24.199650511655	VS	250	1
-46.833036147959	-24.200103366956	VS	100	1	-46.811597771624	-24.198860345679	VS	250	1
-46.833196585741	-24.199834438837	VS	100	1	-46.811364226554	-24.199626427197	VS	250	1
-46.833460933427	-24.199395175385	VS	100	1	-46.811238585763	-24.198836931321	VS	250	1
-46.833711153589	-24.199422125807	VS	100	1	-46.81100038895	-24.199602424137	VS	250	1
-46.834287878508	-24.199721044598	VS	100	1	-46.810848294622	-24.198805572981	VS	250	1
-46.833999515681	-24.199571585431	VS	100	1	-46.810685603133	-24.199578040111	VS	250	1
-46.918516410087	-24.213995414455	VS	100	1	-46.810456091434	-24.198775883034	VS	250	1
-46.918136212202	-24.21426854167	VS	100	1	-46.810400531618	-24.19956237182	VS	250	1
-46.917065046171	-24.215055057396	VS	100	1	-46.810209950138	-24.198760691741	VS	250	1
-46.924665440826	-24.209449223832	VS	100	1	-46.81007593378	-24.199538067914	VS	250	1
-46.925240430586	-24.209031139734	VS	100	1	-46.810040741182	-24.199189606793	VS	250	1
-46.928105768415	-24.206887259814	VS	100	1	-46.810063045028	-24.198884545266	VS	250	1
-46.928396043732	-24.206668663791	VS	100	1	-46.807990936818	-24.195497546665	VS	100	1
-46.927153243062	-24.207607210725	VS	100	1	-46.807662289333	-24.195303736281	VS	100	1
-46.933118489558	-24.203177586751	VS	100	1	-46.807297843414	-24.196065111445	VS	100	1
-46.932422150378	-24.20368694004	VS	100	1	-46.807560694535	-24.19502649234	VS	70	1
-46.931963845546	-24.204026313488	VS	100	1	-46.807370372696	-24.195277713786	VS	70	1
-46.931577661083	-24.204312070602	VS	100	1	-46.807362655284	-24.195109417575	VS	70	1
-46.931273507625	-24.20453369301	VS	100	1	-46.807113827606	-24.194968538441	VS	70	1
-46.92894964364	-24.206286814966	VS	100	1	-46.817434371106	-24.197998304415	VS	150	1
-46.929252331399	-24.206061768577	VS	100	1	-46.817106368187	-24.197831289496	VS	150	1
-46.930514681636	-24.205107250357	VS	100	1	-46.816842392123	-24.197065877116	VS	250	1
-46.937372567471	-24.200022635998	VS	100	1	-46.816614753003	-24.197490274298	VS	250	1
-46.936651070523	-24.200565920363	VS	100	1	-46.816428122398	-24.197484898351	VS	250	1
-46.938226005265	-24.199382945144	VS	100	1	-46.816085452666	-24.197308092511	VS	250	1
-46.938779305019	-24.198992858317	VS	100	1	-46.8159911366	-24.19775351103	VS	250	1
-46.939048891637	-24.198776399677	VS	100	1	-46.815546644671	-24.197049381438	VS	250	1
-46.832883234261	-24.196294158543	VS	100	1	-46.81541952961	-24.197642020511	VS	150	1
-46.832671922084	-24.196302020511	VS	100	1	-46.81520806246	-24.196882017821	VS	250	1
-46.832713474148	-24.196571216402	VS	100	1	-46.815123333826	-24.197590280185	VS	250	1
-46.832999736091	-24.196460090345	VS	100	1	-46.81497185983	-24.198287491781	VS	250	1
-46.833828797316	-24.194698806918	VS	100	1	-46.815192554325	-24.179422310684	VS	250	1
-46.834234961792	-24.195722988246	VS	100	1	-46.815278354441	-24.179221278299	VS	250	1
-46.834976638677	-24.194860419245	VS	100	1	-46.81509110743	-24.179663664978	VS	250	1
-46.834622635397	-24.195446169533	VS	100	1	-46.845948579929	-24.214030803633	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.834467832966	-24.195701108183	VS	100	1	-46.817192297445	-24.18029163036	VS	70	1
-46.853931724579	-24.208739273354	VS	100	1	-46.81729780759	-24.180105428568	VS	70	1
-46.853402075911	-24.208950373793	VS	100	1	-46.81707063786	-24.18047637842	VS	70	1
-46.853604329289	-24.209411055979	VS	100	1	-46.815143756919	-24.179786061865	VS	70	1
-46.853369526461	-24.209139025856	VS	100	1	-46.815711699447	-24.180106623787	VS	70	1
-46.853112797745	-24.209166755835	VS	100	1	-46.812744675042	-24.197430589436	VS	250	1
-46.852485001422	-24.209599996253	VS	100	1	-46.818682265208	-24.19877917066	VS	250	1
-46.852174443709	-24.209817689192	VS	100	1	-46.81862719448	-24.19860486543	VS	250	1
-46.852803801842	-24.209383338813	VS	100	1	-46.818363983615	-24.198612037613	VS	250	1
-46.852874897349	-24.208559119064	VS	100	1	-46.81828925041	-24.198437858981	VS	250	1
-46.853808113719	-24.208658354432	VS	100	1	-46.818137797031	-24.198502289065	VS	150	1
-46.853537533606	-24.208269706778	VS	100	1	-46.817991567394	-24.198279910828	VS	150	1
-46.853678664764	-24.208420294278	VS	100	1	-46.817775043241	-24.198692966832	VS	250	1
-46.854029926278	-24.208517094273	VS	100	1	-46.817725093731	-24.198153537681	VS	150	1
-46.855071139228	-24.207927691731	VS	100	1	-46.817610771312	-24.198823581843	VS	250	1
-46.855262756067	-24.208148835712	VS	100	1	-46.81734975701	-24.199020382594	VS	150	1
-46.856106393873	-24.207045775011	VS	100	1	-46.817176351778	-24.199139295606	VS	250	1
-46.855892948883	-24.207190765079	VS	100	1	-46.817000323436	-24.199276501795	VS	250	1
-46.855149929245	-24.207732022334	VS	100	1	-46.816756862167	-24.197275048974	VS	250	1
-46.854877435772	-24.207926911255	VS	100	1	-46.816748478676	-24.197655445904	VS	150	1
-46.854561025727	-24.208147074218	VS	100	1	-46.816743565262	-24.199463022912	VS	250	1
-46.855513850574	-24.210890718052	VS	100	1	-46.816481401925	-24.199653397943	VS	250	1
-46.855794033486	-24.210701123329	VS	100	1	-46.816371822477	-24.198070587387	VS	250	1
-46.85609341759	-24.210493540843	VS	100	1	-46.816298078156	-24.197813930126	VS	250	1
-46.856113797814	-24.211251823513	VS	100	1	-46.816264425234	-24.198364105876	VS	250	1
-46.856337503898	-24.211514675984	VS	100	1	-46.816250581954	-24.199842335452	VS	250	1
-46.85637424314	-24.210312581921	VS	100	1	-46.816176407635	-24.198696213667	VS	250	1
-46.867029936401	-24.215811625198	VS	100	1	-46.816094634253	-24.198945843698	VS	150	1
-46.866403467762	-24.215094349115	VS	100	1	-46.815736587975	-24.197140113535	VS	250	1
-46.867995679343	-24.214102243254	VS	100	1	-46.815695635272	-24.197711176497	VS	250	1
-46.863630533535	-24.218863614488	VS	100	1	-46.815625904052	-24.199753448596	VS	250	1
-46.864209714798	-24.218448553693	VS	100	1	-46.815516936227	-24.199456981306	VS	250	1
-46.864499274307	-24.218241030476	VS	100	1	-46.81544269636	-24.199215222523	VS	250	1
-46.863910310479	-24.218656160049	VS	100	1	-46.815346553211	-24.19891314844	VS	250	1
-46.863051116001	-24.219269758094	VS	100	1	-46.815262186083	-24.198672697842	VS	250	1
-46.872281978103	-24.220436798645	VS	100	1	-46.815187914643	-24.198433129035	VS	250	1
-46.86939805912	-24.216319025959	VS	100	1	-46.815081619049	-24.198103087579	VS	250	1
-46.865730583992	-24.22159007012	VS	100	1	-46.81498538878	-24.197782375039	VS	250	1
-46.86601584142	-24.221727095114	VS	100	1	-46.814895438663	-24.196717107766	VS	250	1
-46.871986949021	-24.225956506649	VS	100	1	-46.814870192703	-24.19746333158	VS	250	1
-46.87169736024	-24.226164042761	VS	100	1	-46.814732859822	-24.196909579626	VS	250	1
-46.93978885222	-24.198236750339	VS	100	1	-46.814667044811	-24.197531132395	VS	250	1
-46.929045740209	-24.203380415843	VS	100	1	-46.814446549529	-24.19699114063	VS	150	1
-46.931389672253	-24.201676288624	VS	100	1	-46.814535216737	-24.19713489636	VS	250	1
-46.930741378051	-24.202151961131	VS	100	1	-46.814333314194	-24.197506965508	VS	250	1
-46.902167465678	-24.230060292058	VS	70	1	-46.814294266928	-24.196342156363	VS	250	1
-46.9029248175	-24.229966470209	VS	70	1	-46.814198870999	-24.196864025838	VS	250	1
-46.901495627155	-24.228290502423	VS	70	1	-46.814129321417	-24.196616905145	VS	250	1
-46.901708005472	-24.228538631658	VS	70	1	-46.814038423864	-24.197491376973	VS	250	1
-46.901981372411	-24.228857995306	VS	70	1	-46.813959311231	-24.196894714962	VS	250	1
-46.902221558606	-24.229143544349	VS	70	1	-46.813880328162	-24.196710040585	VS	250	1
-46.905326469969	-24.228904918553	VS	100	1	-46.813836434289	-24.197091902582	VS	250	1
-46.830213452832	-24.19431115519	VS	100	1	-46.81371972338	-24.19587682949	VS	100	1
-46.904443023296	-24.227935820921	VS	100	1	-46.81379236557	-24.197466474827	VS	250	1
-46.898092582137	-24.233707545895	VS	100	1	-46.813704270369	-24.197316071682	VS	250	1
-46.896996135042	-24.231288618567	VS	100	1	-46.813615354004	-24.196058441843	VS	250	1
-46.897294525626	-24.231462570147	VS	100	1	-46.813633838686	-24.197532283412	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.830327230213	-24.194137810789	VS	100	1	-46.813582169854	-24.196560627817	VS	150	1
-46.831366040381	-24.192364096654	VS	100	1	-46.813536863035	-24.197432810337	VS	250	1
-46.830909633119	-24.193123620556	VS	100	1	-46.813454499413	-24.196318678478	VS	250	1
-46.830635616257	-24.193609832426	VS	100	1	-46.81324553631	-24.196614781636	VS	250	1
-46.831795129802	-24.193959141736	VS	100	1	-46.813260710694	-24.197426147873	VS	250	1
-46.831662058168	-24.194131931804	VS	100	1	-46.813094197315	-24.196856914121	VS	250	1
-46.831184432696	-24.194944583441	VS	100	1	-46.812955453205	-24.197419206733	VS	250	1
-46.831383190624	-24.194610141127	VS	100	1	-46.812933296754	-24.197107970465	VS	250	1
-46.830044230821	-24.194589432644	VS	100	1	-46.812710093847	-24.197258190341	VS	250	1
-46.829913558447	-24.194809774285	VS	100	1	-46.812499656815	-24.197012203972	VS	250	1
-46.829332741394	-24.194641381967	VS	100	1	-46.812276515098	-24.196753786293	VS	250	1
-46.830339921379	-24.196348640375	VS	100	1	-46.812262334084	-24.197797928844	VS	250	1
-46.830124419083	-24.196469436525	VS	100	1	-46.812064298488	-24.196505460453	VS	250	1
-46.82982603664	-24.196311121756	VS	100	1	-46.81204015967	-24.197540871719	VS	100	1
-46.828613195203	-24.195695810993	VS	100	1	-46.811848071149	-24.197310320069	VS	250	1
-46.828861757861	-24.195818888513	VS	100	1	-46.811750607611	-24.196423200222	VS	250	1
-46.829199837116	-24.195994738587	VS	100	1	-46.811649287618	-24.197086436028	VS	250	1
-46.829450915385	-24.195571546176	VS	100	1	-46.811478455968	-24.196610947334	VS	250	1
-46.821676947207	-24.195703806734	VS	100	1	-46.811448126028	-24.196854444107	VS	250	1
-46.821845903667	-24.195984093764	VS	100	1	-46.81120678743	-24.196797724433	VS	150	1
-46.822015484442	-24.195854709993	VS	100	1	-46.810919132331	-24.197012235512	VS	250	1
-46.82232553096	-24.196007616137	VS	100	1	-46.812568395196	-24.197722947686	VS	250	1
-46.837308552914	-24.18470241203	VS	70	1	-46.812450892002	-24.198157157642	VS	250	1
-46.834012060219	-24.185266651185	VS	100	1	-46.812427427201	-24.198407163913	VS	250	1
-46.833496387839	-24.184769378295	VS	70	1	-46.812408342119	-24.198669308987	VS	250	1
-46.833735857666	-24.185010200028	VS	70	1	-46.812659412427	-24.198240353703	VS	250	1
-46.861882819799	-24.205459764728	VS	100	1	-46.812604815344	-24.199204539512	VS	150	1
-46.86184334464	-24.205247510509	VS	100	1	-46.813610429881	-24.197847368823	VS	250	1
-46.861600986689	-24.204972816016	VS	100	1	-46.813904621551	-24.198304161811	VS	250	1
-46.862423031386	-24.205062885048	VS	100	1	-46.813856744784	-24.198898203755	VS	150	1
-46.862712852529	-24.204864232296	VS	100	1	-46.813807700127	-24.19937226524	VS	250	1
-46.862975049831	-24.204676521681	VS	100	1	-46.816003984864	-24.199214703999	VS	250	1
-46.862153119129	-24.20527024758	VS	100	1	-46.812370717883	-24.199317484141	VS	250	1
-46.859968749556	-24.206232629464	VS	100	1	-46.812384151962	-24.199058627621	VS	150	1
-46.866634037779	-24.209296333883	VS	70	1	-46.812340275652	-24.199669854582	VS	150	1
-46.874096484771	-24.216872796081	VS	100	1	-46.812286450394	-24.199708277297	VS	250	1
-46.873692260639	-24.216046193432	VS	100	1	-46.813829538629	-24.199146367477	VS	250	1
-46.874190203869	-24.216357292866	VS	100	1	-46.813253829664	-24.196393397834	VS	250	1
-46.874437253442	-24.216510891956	VS	100	1	-46.811743487767	-24.197977433046	VS	250	1
-46.876969237219	-24.215205941466	VS	100	1	-46.811976318088	-24.197996862372	VS	250	1
-46.876440932663	-24.213575429936	VS	100	1	-46.814418409191	-24.198212894247	VS	250	1
-46.87675009833	-24.213772176046	VS	100	1	-46.814686390254	-24.198253978298	VS	250	1
-46.870326882898	-24.227147438939	VS	100	1	-46.815339324724	-24.198365545284	VS	250	1
-46.870613331103	-24.227645297498	VS	100	1	-46.815684805017	-24.198443200573	VS	250	1
-46.870733229354	-24.22744730961	VS	100	1	-46.816030544261	-24.198529788051	VS	250	1
-46.872307340108	-24.228960360051	VS	100	1	-46.816724350939	-24.198739142808	VS	250	1
-46.748700581117	-24.16466969726	VS	100	1	-46.816355186936	-24.198616173241	VS	250	1
-46.742907929372	-24.159079327104	VS	70	1	-46.81707613539	-24.198854051201	VS	250	1
-46.716808739004	-24.145193218772	VS	100	1	-46.816636393133	-24.197927945855	VS	250	1
-46.715611355526	-24.146031350208	VS	100	1	-46.816924008319	-24.198032957235	VS	250	1
-46.715814287985	-24.145896094966	VS	100	1	-46.817191711301	-24.198129198019	VS	250	1
-46.717441776273	-24.145857478462	VS	100	1	-46.817746562612	-24.198339081821	VS	250	1
-46.717181439792	-24.146043672155	VS	100	1	-46.817499119154	-24.198246987329	VS	250	1
-46.725116305083	-24.148526164864	VS	100	1	-46.817707696806	-24.199088350403	VS	250	1
-46.72225863936	-24.139045265375	VS	70	1	-46.818015592634	-24.199230396358	VS	250	1
-46.722105598991	-24.139161728707	VS	70	1	-46.818513594842	-24.199503503941	VS	250	1
-46.721252455774	-24.141376022643	VS	70	1	-46.818274766072	-24.199371490028	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.726349280983	-24.140209758196	VS	100	1	-46.818289099966	-24.200088258329	VS	250	1
-46.72689382211	-24.139813293969	VS	100	1	-46.817990728231	-24.199929921183	VS	250	1
-46.726619423737	-24.140011560035	VS	100	1	-46.817931958176	-24.199754540328	VS	250	1
-46.726707512785	-24.13141134239	VS	100	1	-46.817643587669	-24.199728137977	VS	250	1
-46.726703617435	-24.131045860614	VS	100	1	-46.817376797508	-24.199614684149	VS	250	1
-46.72668385662	-24.131779964359	VS	100	1	-46.817046413224	-24.199490338926	VS	250	1
-46.726691807149	-24.13216378877	VS	100	1	-46.816731477209	-24.200137130473	VS	250	1
-46.726875159892	-24.132955064559	VS	100	1	-46.816633753523	-24.199348358114	VS	250	1
-46.727243369867	-24.133594818649	VS	100	1	-46.816325113106	-24.199979624967	VS	250	1
-46.728654608788	-24.127179409765	VS	100	1	-46.816227224934	-24.199226028419	VS	250	1
-46.729329697976	-24.125880399198	VS	100	1	-46.816024259011	-24.199878972252	VS	250	1
-46.729164587179	-24.126372284199	VS	100	1	-46.815844912024	-24.199108961955	VS	250	1
-46.730726900525	-24.12205611509	VS	100	1	-46.815694322786	-24.199789356955	VS	250	1
-46.730840044484	-24.123339589019	VS	100	1	-46.815430861291	-24.199006006047	VS	250	1
-46.731145264723	-24.122706485856	VS	100	1	-46.815227179132	-24.199675337763	VS	250	1
-46.730926876334	-24.122378991789	VS	100	1	-46.815007023126	-24.198920126515	VS	250	1
-46.728638464766	-24.120401447849	VS	100	1	-46.814886669092	-24.199608222267	VS	250	1
-46.728935916313	-24.120642700505	VS	100	1	-46.814781293978	-24.198886354263	VS	250	1
-46.729220905806	-24.120905168319	VS	100	1	-46.814619562387	-24.198860455392	VS	250	1
-46.729512173325	-24.12112036383	VS	100	1	-46.814597581667	-24.199562617536	VS	250	1
-46.72981091989	-24.121350832989	VS	100	1	-46.814157147949	-24.199488234005	VS	250	1
-46.730142785074	-24.121591785428	VS	100	1	-46.813333107771	-24.199381193408	VS	250	1
-46.719823069121	-24.145694364193	VS	100	1	-46.81293571693	-24.199360049219	VS	250	1
-46.719591396447	-24.145612244541	VS	100	1	-46.812675297697	-24.199342566409	VS	250	1
-46.717441675481	-24.144452244389	VS	100	1	-46.814114963237	-24.198169129825	VS	250	1
-46.717615534427	-24.14453651935	VS	100	1	-46.813788572719	-24.198135678763	VS	250	1
-46.721134073847	-24.146372643582	VS	100	1	-46.813572266674	-24.198119492867	VS	250	1
-46.720378010043	-24.146007015284	VS	100	1	-46.813178834976	-24.198086810093	VS	250	1
-46.752701623525	-24.158856917589	VS	100	1	-46.812775536701	-24.198063087055	VS	250	1
-46.754359599395	-24.155036041228	VS	100	1	-46.812327107019	-24.198024803992	VS	250	1
-46.75459394418	-24.155139138487	VS	100	1	-46.814091244696	-24.198775602564	VS	250	1
-46.754879120997	-24.155299395141	VS	100	1	-46.81372211657	-24.198733672209	VS	250	1
-46.755277038373	-24.155530553987	VS	100	1	-46.813404553588	-24.198709776586	VS	250	1
-46.877155530172	-24.214027812426	VS	100	1	-46.813070363685	-24.198694465652	VS	250	1
-46.877603813464	-24.214318042608	VS	100	1	-46.812736301059	-24.198679175523	VS	250	1
-46.878574841422	-24.213752536108	VS	100	1	-46.812626167788	-24.198900731014	VS	250	1
-46.881880975538	-24.211402330566	VS	100	1	-46.812317521385	-24.198920355055	VS	250	1
-46.881642061472	-24.211571564059	VS	100	1	-46.81218953521	-24.19893590027	VS	250	1
-46.881335881546	-24.211798555973	VS	100	1	-46.811994240704	-24.199675222047	VS	250	1
-46.880681701221	-24.21137601506	VS	100	1	-46.811989562322	-24.198898162754	VS	250	1
-46.880977959539	-24.212054260539	VS	100	1	-46.813729565615	-24.199412237452	VS	250	1
-46.8803454815	-24.212491096081	VS	100	1	-46.817468302315	-24.199001670216	VS	250	1
-46.874946812881	-24.217384243147	VS	100	1	-46.817778372858	-24.197559036951	VS	70	1
-46.879045569264	-24.209460565152	VS	100	1	-46.754279887584	-24.156625084752	VS	100	1
-46.888045209482	-24.203221978242	VS	100	1	-46.753952808749	-24.15644891822	VS	100	1
-46.887427140101	-24.203646373914	VS	100	1	-46.818472730658	-24.197892287287	VS	70	1
-46.900119844747	-24.194761553378	VS	100	1	-46.81817472757	-24.197742959105	VS	70	1
-46.898590080882	-24.195846126489	VS	100	1	-46.817449468717	-24.1974003649	VS	70	1
-46.898336335314	-24.196035315605	VS	100	1	-46.817161070546	-24.197242039641	VS	70	1
-46.897187613422	-24.196838863053	VS	100	1	-46.81836206579	-24.198038072166	VS	250	1
-46.890805980751	-24.20128112104	VS	100	1	-46.818230272652	-24.198270938558	VS	250	1
-46.890516294517	-24.201479764808	VS	100	1	-46.723199140214	-24.149309684075	VS	100	1
-46.872757117962	-24.210126595906	VS	100	1	-46.722953916886	-24.149476920269	VS	100	1
-46.872457746557	-24.210334223798	VS	100	1	-46.791890127757	-24.183995568786	VS	250	1
-46.871917059026	-24.21071331089	VS	100	1	-46.79167334205	-24.183810376242	VS	250	1
-46.872749030122	-24.208095054336	VS	100	1	-46.791424795386	-24.183605065426	VS	250	1
-46.873183333631	-24.207788272763	VS	100	1	-46.791229742045	-24.183423124025	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.87340545171	-24.207634799786	VS	100	1	-46.811951055483	-24.196379013844	VS	100	1
-46.877306471287	-24.206971535106	VS	100	1	-46.810355072076	-24.195293394542	VS	250	1
-46.87699459635	-24.207179889595	VS	100	1	-46.810080961554	-24.195483961321	VS	250	1
-46.87672524547	-24.207367567476	VS	100	1	-46.809785781222	-24.195690599581	VS	250	1
-46.870556755594	-24.209611696069	VS	100	1	-46.810570304484	-24.194972223894	VS	100	1
-46.870843858466	-24.209412917641	VS	100	1	-46.810445167746	-24.195179516148	VS	100	1
-46.870296046521	-24.209792229176	VS	100	1	-46.811223774301	-24.194879925844	VS	100	1
-46.88080340627	-24.204511340328	VS	100	1	-46.811066337154	-24.19515819539	VS	100	1
-46.881105965507	-24.20429515949	VS	100	1	-46.810896689811	-24.195453934935	VS	100	1
-46.881416637327	-24.2040825337	VS	100	1	-46.814309933564	-24.19580537155	VS	70	1
-46.881726392119	-24.203862633089	VS	100	1	-46.8139921528	-24.195656105077	VS	100	1
-46.882036286527	-24.203663103711	VS	100	1	-46.813909865487	-24.195559254443	VS	70	1
-46.883581661196	-24.202606592422	VS	100	1	-46.813648202327	-24.195480855173	VS	70	1
-46.885627933865	-24.203074975292	VS	100	1	-46.818610555277	-24.197543072731	VS	100	1
-46.88477816115	-24.203661853241	VS	100	1	-46.817589727856	-24.197047395671	VS	100	1
-46.885318469898	-24.203273848206	VS	100	1	-46.817288920571	-24.196892534295	VS	100	1
-46.87548401624	-24.208203660896	VS	100	1	-46.816981711763	-24.195566906771	VS	100	1
-46.875180551497	-24.208429667806	VS	100	1	-46.813425748048	-24.195366091253	VS	100	1
-46.874939243756	-24.208601142665	VS	100	1	-46.818265492367	-24.197381334539	VS	100	1
-46.876464960026	-24.209457370249	VS	100	1	-46.81789769539	-24.197196728222	VS	100	1
-46.876194598389	-24.20964693965	VS	100	1	-46.817567346492	-24.19513727621	VS	100	1
-46.875933642101	-24.209818577426	VS	100	1	-46.817283996209	-24.195016218292	VS	100	1
-46.874872610306	-24.210569322195	VS	100	1	-46.817238756916	-24.194842228282	VS	100	1
-46.874372495759	-24.210927194737	VS	100	1	-46.817074876061	-24.195175190596	VS	100	1
-46.874623254248	-24.210741767886	VS	100	1	-46.774569810169	-24.177109737424	VS	70	1
-46.875137674751	-24.210401467693	VS	100	1	-46.816964045213	-24.195394071552	VS	100	1
-46.87350027339	-24.21151565184	VS	100	1	-46.816718790587	-24.195874587238	VS	100	1
-46.873239523774	-24.211696197953	VS	100	1	-46.81658976441	-24.196150309039	VS	100	1
-46.872418886609	-24.212264768942	VS	100	1	-46.816483174536	-24.196357864799	VS	100	1
-46.870274331361	-24.213736529605	VS	100	1	-46.816407514775	-24.195285001904	VS	100	1
-46.756585888694	-24.153594389604	VS	100	1	-46.816413292337	-24.196498188032	VS	100	1
-46.75634168013	-24.153482374859	VS	100	1	-46.816122049696	-24.195161016655	VS	100	1
-46.756220210077	-24.153671760746	VS	100	1	-46.816155341222	-24.196327156526	VS	100	1
-46.756376893893	-24.15459555707	VS	100	1	-46.815745804036	-24.195058660863	VS	100	1
-46.766533701277	-24.166266665754	VS	70	1	-46.815865008333	-24.196187249733	VS	100	1
-46.76823545571	-24.165063018468	VS	70	1	-46.815791440021	-24.194864134234	VS	100	1
-46.767730691709	-24.165419269742	VS	70	1	-46.815526685957	-24.196011987168	VS	100	1
-46.768039755482	-24.165202821111	VS	70	1	-46.815326620169	-24.195903521645	VS	100	1
-46.768555312994	-24.164840142903	VS	70	1	-46.814985497576	-24.195039235139	VS	100	1
-46.768860353463	-24.164625825365	VS	70	1	-46.814826005425	-24.195343608247	VS	100	1
-46.771313578511	-24.161049597914	VS	70	1	-46.814696906966	-24.195588978339	VS	100	1
-46.766852507885	-24.166050193383	VS	70	1	-46.814383004136	-24.194892180997	VS	100	1
-46.767518493344	-24.165569440765	VS	70	1	-46.814261281875	-24.195133804631	VS	100	1
-46.767209426994	-24.165788890257	VS	70	1	-46.814137989412	-24.195322136667	VS	100	1
-46.765046194894	-24.161468437839	VS	70	1	-46.813803133201	-24.195152844512	VS	100	1
-46.771153807378	-24.157907536685	VS	70	1	-46.813535305786	-24.195026130333	VS	100	1
-46.770842331136	-24.158124278921	VS	70	1	-46.812859076149	-24.195075914955	VS	100	1
-46.770557730959	-24.158330199694	VS	70	1	-46.812550969229	-24.194917688766	VS	100	1
-46.769977097282	-24.158745111645	VS	70	1	-46.815000615745	-24.195742977356	VS	100	1
-46.770245107559	-24.158549784601	VS	70	1	-46.812985856711	-24.196261764769	VS	250	1
-46.758368529193	-24.156367917247	VS	100	1	-46.815510345618	-24.195437851681	VS	100	1
-46.758336452581	-24.156603041927	VS	100	1	-46.81221579776	-24.198696240285	VS	250	1
-46.758331141357	-24.156782907424	VS	100	1	-46.812056501459	-24.198530171871	VS	250	1
-46.758275805187	-24.157094124611	VS	100	1	-46.811870714114	-24.198321792467	VS	250	1
-46.758229656325	-24.15741868819	VS	100	1	-46.816676108251	-24.195416970706	VS	70	1
-46.757899203302	-24.157265848767	VS	100	1	-46.819074453711	-24.194864864407	VS	70	1
-46.757561682305	-24.157082546661	VS	100	1	-46.820613062282	-24.195432845803	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.757219465326	-24.156907272152	VS	100	1	-46.820343689534	-24.195392618029	VS	70	1
-46.756539874034	-24.156552402365	VS	100	1	-46.820091791815	-24.195302470474	VS	70	1
-46.756882234095	-24.156723589142	VS	100	1	-46.819748117684	-24.195127502705	VS	70	1
-46.754436021905	-24.157322604066	VS	100	1	-46.819408323717	-24.194950531138	VS	70	1
-46.758700468654	-24.161435884258	VS	70	1	-46.81844641463	-24.196713318344	VS	70	1
-46.757862140247	-24.162210579955	VS	100	1	-46.81809824122	-24.196543966179	VS	70	1
-46.774914531346	-24.153994138598	VS	100	1	-46.818893150118	-24.197070945961	VS	100	1
-46.774651121509	-24.153846367675	VS	100	1	-46.848384787121	-24.212959867194	VS	70	1
-46.774124590934	-24.152333536742	VS	100	1	-46.848096597581	-24.212819351816	VS	70	1
-46.757987519424	-24.159319146244	VS	70	1	-46.820674442293	-24.196991984143	VS	100	1
-46.750506854682	-24.158757052262	VS	100	1	-46.818793321216	-24.196900116995	VS	100	1
-46.747591160737	-24.158056323474	VS	100	1	-46.821740475979	-24.197655174646	VS	70	1
-46.747881855297	-24.158208867598	VS	100	1	-46.821617911913	-24.197861160005	VS	100	1
-46.816948447477	-24.185845528875	VS	250	2	-46.821546298246	-24.197436540275	VS	100	1
-46.814941127344	-24.19225771651	VS	100	1	-46.821504419839	-24.198049686966	VS	100	1
-46.870791713303	-24.21338865431	VS	100	1	-46.821363070555	-24.198291508581	VS	100	1
-46.870535302565	-24.213564903731	VS	100	1	-46.821248146903	-24.197287132661	VS	100	1
-46.855938389459	-24.203177391238	VS	100	1	-46.821018127467	-24.197419678522	VS	100	1
-46.862067595404	-24.198797908869	VS	100	1	-46.820979978045	-24.197155417145	VS	100	1
-46.864839554691	-24.197612268534	VS	100	1	-46.820876444545	-24.19765275399	VS	100	1
-46.864739631596	-24.197521417614	VS	100	1	-46.82071633885	-24.196717326495	VS	100	1
-46.864657978642	-24.197431586236	VS	100	1	-46.820707003317	-24.197957456161	VS	100	1
-46.869973261631	-24.182752941909	VS	100	1	-46.820547337373	-24.19700528894	VS	100	1
-46.823703520179	-24.183676048065	VS	70	1	-46.820536763437	-24.198226387646	VS	100	1
-46.822947592033	-24.183860561107	VS	70	1	-46.820405119707	-24.197246003825	VS	100	1
-46.822587264359	-24.183979329505	VS	70	1	-46.820396541157	-24.198433338148	VS	100	1
-46.822506702979	-24.185938004887	VS	100	1	-46.820302302117	-24.196088147614	VS	100	1
-46.765371702003	-24.16953797383	VS	100	1	-46.820213302574	-24.197125536037	VS	100	1
-46.765149553426	-24.169691280581	VS	100	1	-46.820216284687	-24.197559738516	VS	100	1
-46.782349732813	-24.164114705318	VS	100	1	-46.820114768578	-24.196397905996	VS	100	1
-46.776901972916	-24.162715936929	VS	70	1	-46.820141312663	-24.198307458264	VS	100	1
-46.78174641796	-24.172015474687	VS	70	1	-46.820027637723	-24.19788243092	VS	100	1
-46.783119629584	-24.158299690733	VS	70	1	-46.81996578768	-24.197004024467	VS	100	1
-46.783406734055	-24.158090594792	VS	70	1	-46.819953683578	-24.196676095469	VS	100	1
-46.783725382888	-24.157874807249	VS	70	1	-46.819781346553	-24.198126082477	VS	100	1
-46.785326846599	-24.15529478133	VS	100	1	-46.819792677358	-24.19693950963	VS	100	1
-46.785115246443	-24.155427858871	VS	100	1	-46.819504999549	-24.197985348989	VS	100	1
-46.784268776884	-24.156024004183	VS	100	1	-46.819391594734	-24.197199139004	VS	100	1
-46.779725733272	-24.159323181155	VS	100	1	-46.819377706266	-24.197647501499	VS	100	1
-46.778751370581	-24.160018569781	VS	100	1	-46.819196072206	-24.197835785565	VS	100	1
-46.779055447301	-24.15979478935	VS	100	1	-46.8191020837	-24.197053742637	VS	100	1
-46.77936143202	-24.159582565108	VS	100	1	-46.818760311591	-24.197295561727	VS	100	1
-46.780034466411	-24.159097841471	VS	100	1	-46.819132437075	-24.195600900903	VS	70	1
-46.782562868863	-24.157255876545	VS	100	1	-46.820454968582	-24.195820888124	VS	100	1
-46.781915537122	-24.157718840224	VS	100	1	-46.819509569508	-24.197414509502	VS	100	1
-46.779163239976	-24.152922451663	VS	100	1	-46.820350872601	-24.198823738525	VS	70	1
-46.778890883751	-24.153101610958	VS	100	1	-46.82006279063	-24.198683197306	VS	70	1
-46.779133261454	-24.152530176874	VS	100	1	-46.819994705339	-24.198830261715	VS	70	1
-46.782547186506	-24.152656335297	VS	100	1	-46.819824011965	-24.199081391065	VS	70	1
-46.782846438381	-24.15242552288	VS	100	1	-46.819764628704	-24.198533795373	VS	70	1
-46.782294416185	-24.152851029703	VS	100	1	-46.819476719313	-24.198402156706	VS	70	1
-46.785847454532	-24.151776576065	VS	100	1	-46.819108775152	-24.19820866804	VS	70	1
-46.782835379736	-24.151017598337	VS	100	1	-46.818800765153	-24.198059309333	VS	70	1
-46.782189384957	-24.151483137377	VS	100	1	-46.819541837798	-24.199070841557	VS	250	1
-46.783366102704	-24.154561060424	VS	70	1	-46.819320627402	-24.199120733312	VS	250	1
-46.783561164663	-24.155039759659	VS	100	1	-46.819273207284	-24.198930049046	VS	250	1
-46.780995161171	-24.157530649778	VS	70	1	-46.818980509953	-24.198937439649	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.780713185474	-24.156745620312	VS	70	1	-46.82085081073	-24.19907201681	VS	250	1
-46.780816840826	-24.157042683754	VS	70	1	-46.820725413464	-24.199259918321	VS	250	1
-46.782163410508	-24.160707738826	VS	70	1	-46.820700051937	-24.199000200692	VS	250	1
-46.782256042585	-24.160980118097	VS	70	1	-46.820589322387	-24.199171780378	VS	250	1
-46.781908252269	-24.160007425385	VS	70	1	-46.819896529347	-24.199430617047	VS	250	1
-46.782045488394	-24.160383323532	VS	70	1	-46.819647886703	-24.199298678084	VS	250	1
-46.781717821833	-24.161101357221	VS	100	1	-46.772298433263	-24.174933525663	VS	100	1
-46.782530039938	-24.161848023598	VS	100	1	-46.772130323097	-24.17503168001	VS	100	1
-46.783016547893	-24.163129550605	VS	70	1	-46.77253904605	-24.174764258721	VS	100	1
-46.779010727724	-24.171688696174	VS	100	1	-46.772773032028	-24.174608177506	VS	100	1
-46.778764434732	-24.171858088001	VS	100	1	-46.821440125565	-24.200028810711	VS	250	1
-46.789720995573	-24.163574089682	VS	100	1	-46.821172058003	-24.199897133758	VS	250	1
-46.795294592704	-24.161053147809	VS	100	1	-46.820913571607	-24.199774284826	VS	250	1
-46.79858988192	-24.158200705701	VS	100	1	-46.821731736723	-24.199517679137	VS	70	1
-46.798764894108	-24.158661672791	VS	100	1	-46.821708568026	-24.200169495527	VS	70	1
-46.76974385474	-24.176664408864	VS	100	1	-46.821488536273	-24.200310583603	VS	70	1
-46.757532830769	-24.166195919408	VS	100	1	-46.821454244963	-24.199377521296	VS	70	1
-46.753304081423	-24.167497849715	VS	70	1	-46.821239803078	-24.200178599336	VS	70	1
-46.75302063416	-24.167355594529	VS	70	1	-46.772171575764	-24.175179447198	VS	250	1
-46.769972341093	-24.173908839419	VS	100	1	-46.819106311103	-24.199155766517	VS	70	1
-46.806017066396	-24.197525688189	VS	100	1	-46.818945382509	-24.199397678198	VS	70	1
-46.815631403966	-24.18959501888	VS	100	1	-46.771904185529	-24.175056800461	VS	250	1
-46.803787147657	-24.197543090317	VS	100	1	-46.816024460545	-24.180288490843	VS	70	1
-46.828510892419	-24.200407957627	VS	100	1	-46.81879233219	-24.199661985531	VS	250	1
-46.828202471144	-24.200240798341	VS	100	1	-46.8217245931	-24.198895891897	VS	100	1
-46.827904466072	-24.200100296184	VS	100	1	-46.821654279842	-24.199078130628	VS	70	1
-46.827924067104	-24.200258867308	VS	100	1	-46.821300072928	-24.198907176414	VS	100	1
-46.827031285544	-24.198835870247	VS	100	1	-46.821211994747	-24.198542502569	VS	100	1
-46.826919115074	-24.198781185172	VS	100	1	-46.821058242435	-24.198787544371	VS	100	1
-46.827141116846	-24.198883541118	VS	100	1	-46.82073975909	-24.198602693996	VS	100	1
-46.827264981341	-24.198934785719	VS	100	1	-46.819912769293	-24.200475702068	VS	250	1
-46.82647017614	-24.199355254428	VS	100	1	-46.819820451329	-24.20032579855	VS	250	1
-46.825974591033	-24.200284049472	VS	100	1	-46.819625217368	-24.200617645418	VS	150	1
-46.825538373558	-24.198601595276	VS	100	1	-46.819761888959	-24.200694349954	VS	250	1
-46.782855412687	-24.146384647927	VS	100	1	-46.819578828446	-24.200959257848	VS	250	1
-46.790839221778	-24.168124196805	VS	100	1	-46.816915889342	-24.180712212125	VS	70	1
-46.790538323863	-24.168312088753	VS	100	1	-46.819425973809	-24.200904621282	VS	250	1
-46.7870112497	-24.170449252463	VS	100	1	-46.819293456435	-24.201110853332	VS	250	1
-46.788315913791	-24.169688491149	VS	100	1	-46.821778122026	-24.201316827433	VS	250	1
-46.78864561121	-24.16949700128	VS	100	1	-46.821479214062	-24.201149384525	VS	250	1
-46.788977738089	-24.169294948174	VS	100	1	-46.821180624558	-24.200982148209	VS	250	1
-46.791824408315	-24.166239682897	VS	100	1	-46.820911913006	-24.200832520084	VS	250	1
-46.792989531632	-24.165667251825	VS	100	1	-46.820591467287	-24.200729290953	VS	250	1
-46.792679880083	-24.165882901272	VS	100	1	-46.821722340061	-24.201989314153	VS	250	1
-46.792375367099	-24.166073997673	VS	100	1	-46.821433474472	-24.201821939496	VS	250	1
-46.792065582381	-24.166289452623	VS	100	1	-46.821125167938	-24.201654823655	VS	250	1
-46.792066050282	-24.166522136382	VS	100	1	-46.820912313866	-24.201536600034	VS	250	1
-46.791840020916	-24.167127458546	VS	100	1	-46.820385978369	-24.200564394978	VS	250	1
-46.79213662639	-24.166898062317	VS	100	1	-46.815387242484	-24.178934426391	VS	100	1
-46.792435964564	-24.166669804765	VS	100	1	-46.815737897141	-24.179058515241	VS	70	1
-46.792675273028	-24.166478881158	VS	100	1	-46.816391386263	-24.179420735834	VS	70	1
-46.793110775861	-24.165018659273	VS	100	1	-46.81670173481	-24.179605744797	VS	70	1
-46.795244535059	-24.16379716702	VS	100	1	-46.816993916716	-24.17977497185	VS	70	1
-46.796342663429	-24.162844794889	VS	100	1	-46.817900727478	-24.200680119074	VS	250	1
-46.796154344615	-24.16118090772	VS	100	1	-46.817589166428	-24.20051388105	VS	250	1
-46.797598995048	-24.162325437192	VS	100	1	-46.817306437917	-24.200364736204	VS	250	1
-46.78589280579	-24.169505408139	VS	70	1	-46.817058655543	-24.200268474924	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.78557488446	-24.169653959954	VS	250	1	-46.817668219923	-24.20022051084	VS	150	1
-46.784908360875	-24.170337934042	VS	100	1	-46.817545732639	-24.200435591117	VS	250	1
-46.85140649836	-24.140699003256	VS	100	1	-46.818092414824	-24.19948563217	VS	250	1
-46.8901086029	-24.234436160198	VS	100	1	-46.817781743166	-24.200041193788	VS	250	1
-46.88979713325	-24.234281370744	VS	100	1	-46.82129819482	-24.201857559851	VS	250	1
-46.889431825424	-24.23409768715	VS	100	1	-46.8211118204	-24.202120728776	VS	150	1
-46.889501471781	-24.234809828556	VS	100	1	-46.82100811157	-24.202299975663	VS	100	1
-46.889192637333	-24.234662069866	VS	100	1	-46.81943975103	-24.201178545231	VS	250	1
-46.888864896375	-24.234496243979	VS	100	1	-46.82021783762	-24.20195760645	VS	250	1
-46.88575750566	-24.234868394984	VS	100	1	-46.819970620998	-24.201824291144	VS	250	1
-46.88608538957	-24.235026296652	VS	100	1	-46.81967833164	-24.201667936051	VS	250	1
-46.882768862096	-24.237255701978	VS	100	1	-46.819025392976	-24.201322041831	VS	250	1
-46.871868051114	-24.216833620683	VS	100	1	-46.819313718238	-24.201463385624	VS	250	1
-46.872076421044	-24.216959836321	VS	100	1	-46.818702685791	-24.201125602381	VS	250	1
-46.872365747315	-24.217137677464	VS	100	1	-46.818666339375	-24.201022911887	VS	250	1
-46.872635341407	-24.217308256234	VS	100	1	-46.818489551858	-24.201012741516	VS	250	1
-46.87288610892	-24.217463004683	VS	100	1	-46.818296354116	-24.200903448836	VS	250	1
-46.878140026013	-24.216633735733	VS	100	1	-46.818910587701	-24.200799321553	VS	250	1
-46.87782201722	-24.216858973199	VS	100	1	-46.819418392875	-24.20072295701	VS	250	1
-46.877503443912	-24.21708460932	VS	100	1	-46.81912763109	-24.200559655778	VS	250	1
-46.877194674155	-24.217310158852	VS	100	1	-46.818810227177	-24.200380556	VS	250	1
-46.878758326104	-24.21619113641	VS	100	1	-46.823647459778	-24.19937141315	VS	70	1
-46.879057480823	-24.215974573344	VS	100	1	-46.824344284082	-24.199412118595	VS	70	1
-46.880341395472	-24.215063009335	VS	100	1	-46.824033950449	-24.199930703539	VS	70	1
-46.880669773099	-24.214837289116	VS	100	1	-46.824184582689	-24.19966187847	VS	70	1
-46.880022791189	-24.215288659931	VS	100	1	-46.858554366296	-24.221291333734	VS	100	1
-46.879704225403	-24.215514301758	VS	100	1	-46.858758004233	-24.221020965122	VS	100	1
-46.883196544279	-24.22310403071	VS	100	1	-46.858929109047	-24.220787623395	VS	100	1
-46.883512754548	-24.223460729073	VS	100	1	-46.859100000785	-24.220545358492	VS	100	1
-46.883967782808	-24.223834241786	VS	100	1	-46.886960552598	-24.235465431515	VS	100	1
-46.776344710697	-24.142785474742	VS	100	1	-46.891119285735	-24.238447630756	VS	100	1
-46.776346181949	-24.143619755693	VS	100	1	-46.870963934312	-24.215067979477	VS	100	1
-46.776349391038	-24.143034879397	VS	100	1	-46.734645505471	-24.153648981313	VS	100	1
-46.78528637588	-24.115926701765	VS	100	1	-46.735385321867	-24.153117902045	VS	100	1
-46.783518711465	-24.111867355655	VS	100	1	-46.830957029146	-24.200517911081	VS	70	1
-46.780094550699	-24.116486913122	VS	100	1	-46.860916370048	-24.216601486454	VS	70	1
-46.780310900075	-24.116190755266	VS	100	1	-46.86009351346	-24.217196302263	VS	70	1
-46.780526693592	-24.115895338927	VS	100	1	-46.859788986843	-24.217415076025	VS	100	1
-46.780932442075	-24.115339853133	VS	100	1	-46.859478576612	-24.217627278237	VS	70	1
-46.778297402237	-24.151975601099	VS	100	1	-46.859330902629	-24.217719541305	VS	70	1
-46.883111382248	-24.224297406967	VS	100	1	-46.859090357494	-24.217921247966	VS	70	1
-46.882035558602	-24.224481207182	VS	100	1	-46.736774006675	-24.155435908724	VS	100	1
-46.897586135527	-24.224850555289	VS	100	1	-46.780352523388	-24.181076560754	VS	150	1
-46.899822242651	-24.222609737387	VS	100	1	-46.779859109486	-24.181973510624	VS	150	1
-46.899161344296	-24.221893521091	VS	100	1	-46.780050247218	-24.1815921182	VS	150	1
-46.899569758425	-24.22234700917	VS	100	1	-46.738794641606	-24.150723923071	VS	100	1
-46.897494613328	-24.229075451482	VS	100	1	-46.736058351448	-24.149551085874	VS	100	1
-46.896373018324	-24.22779963289	VS	100	1	-46.735258959493	-24.150377144996	VS	100	1
-46.897039959327	-24.228561568529	VS	100	1	-46.743037853635	-24.144680206467	VS	100	1
-46.899189991783	-24.225613979039	VS	100	1	-46.73395765217	-24.149980039252	VS	100	1
-46.899412186332	-24.2258620328	VS	100	1	-46.741076031625	-24.149809019479	VS	100	1
-46.899664726748	-24.226145555699	VS	100	1	-46.740158188674	-24.150460178902	VS	100	1
-46.900432826991	-24.227022760696	VS	100	1	-46.739927366289	-24.150629163795	VS	100	1
-46.899466521333	-24.226870029418	VS	100	1	-46.742572372545	-24.148745410373	VS	100	1
-46.89854677933	-24.225815637218	VS	100	1	-46.742070404889	-24.149105972071	VS	100	1
-46.898123152994	-24.225351014451	VS	100	1	-46.741829058595	-24.149277217649	VS	100	1
-46.898324596556	-24.225567582688	VS	100	1	-46.741577913594	-24.149448540458	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.898758932748	-24.226054846124	VS	100	1	-46.7413269728	-24.14962878473	VS	100	1
-46.898971292561	-24.226302968767	VS	100	1	-46.738235680592	-24.150559342788	VS	100	1
-46.899910925325	-24.227366154861	VS	100	1	-46.737950562801	-24.15076202846	VS	100	1
-46.899823801138	-24.224451986554	VS	100	1	-46.736714354308	-24.1488897946	VS	100	1
-46.900038942038	-24.224700155624	VS	100	1	-46.736943562641	-24.148928420872	VS	100	1
-46.90027139274	-24.224965967957	VS	100	1	-46.736644163924	-24.149135771282	VS	100	1
-46.90073668243	-24.225506727114	VS	100	1	-46.7369763309	-24.149182291478	VS	100	1
-46.899372861353	-24.224916358031	VS	100	1	-46.737208075446	-24.14943936806	VS	100	1
-46.899172444601	-24.22470728454	VS	100	1	-46.737196246436	-24.148746394035	VS	100	1
-46.899621012144	-24.225197517261	VS	100	1	-46.770463122519	-24.156539779875	VS	70	1
-46.899872038008	-24.225476129919	VS	100	1	-46.738110352732	-24.148284850194	VS	100	1
-46.900105030662	-24.22573334638	VS	100	1	-46.738083157665	-24.148144089362	VS	100	1
-46.900295337539	-24.225940442134	VS	100	1	-46.737918601476	-24.148063062226	VS	100	1
-46.90135720646	-24.224386070144	VS	100	1	-46.738322473401	-24.148542070343	VS	100	1
-46.90158924725	-24.224634079869	VS	100	1	-46.738361163495	-24.147937615662	VS	100	1
-46.902185289675	-24.225307361077	VS	100	1	-46.73843289728	-24.147664571605	VS	100	1
-46.914044049762	-24.217323299168	VS	100	1	-46.738665090599	-24.147939518052	VS	100	1
-46.913255250566	-24.217894126188	VS	100	1	-46.738652017513	-24.147720844534	VS	100	1
-46.915153169753	-24.216476578133	VS	100	1	-46.738937968794	-24.148276600407	VS	100	1
-46.916027436858	-24.215840806338	VS	100	1	-46.739149886599	-24.148524897674	VS	100	1
-46.918887608232	-24.213711269556	VS	100	1	-46.738898695247	-24.147550303217	VS	100	1
-46.897624901345	-24.231654939908	VS	100	1	-46.739202784359	-24.147342023883	VS	100	1
-46.897959498378	-24.231850921424	VS	100	1	-46.739052569597	-24.147311957473	VS	100	1
-46.898291795341	-24.232046912358	VS	100	1	-46.739274181393	-24.147560020693	VS	100	1
-46.898624080677	-24.232242992518	VS	100	1	-46.739465840105	-24.147781696353	VS	100	1
-46.898667771245	-24.232434042766	VS	100	1	-46.739687780436	-24.148038846841	VS	100	1
-46.897141412697	-24.232013505512	VS	100	1	-46.739486398538	-24.14714259233	VS	100	1
-46.897485645363	-24.232212561407	VS	100	1	-46.739833673742	-24.147145596228	VS	100	1
-46.898245142485	-24.232910667393	VS	100	1	-46.739788000475	-24.146930455574	VS	100	1
-46.777988725722	-24.152200922427	VS	100	1	-46.739602357409	-24.146897740214	VS	100	1
-46.777680008001	-24.152426268906	VS	100	1	-46.740045796763	-24.147402814218	VS	100	1
-46.782799854289	-24.169249676035	VS	70	1	-46.740053113996	-24.146740160913	VS	100	1
-46.78271126396	-24.169470685986	VS	70	1	-46.740395004269	-24.146501426852	VS	100	1
-46.782510513114	-24.169216804877	VS	70	1	-46.740402569557	-24.146713275154	VS	100	1
-46.782226415349	-24.168563309675	VS	70	1	-46.740651397375	-24.146322796486	VS	100	1
-46.782585515273	-24.168352516085	VS	70	1	-46.740972679853	-24.14610901639	VS	100	1
-46.78291420809	-24.168158505066	VS	70	1	-46.740952424329	-24.146307790011	VS	100	1
-46.783022456132	-24.167984803896	VS	70	1	-46.74075090251	-24.146077474134	VS	100	1
-46.783443549309	-24.168319725378	VS	70	1	-46.741164185697	-24.146547236057	VS	100	1
-46.832450916859	-24.201080483792	VS	100	1	-46.74138612812	-24.146804384271	VS	100	1
-46.836186615052	-24.156077075924	VS	70	1	-46.741270779576	-24.145901312971	VS	100	1
-46.769932820059	-24.166483036836	VS	70	1	-46.741631787083	-24.145661901909	VS	100	1
-46.929519925731	-24.203026824434	VS	100	1	-46.741649410666	-24.145892531159	VS	100	1
-46.831534645227	-24.163214623209	VS	100	1	-46.741447951613	-24.145670953836	VS	100	1
-46.869599658406	-24.228349088433	VS	100	1	-46.741896218177	-24.145476912447	VS	100	1
-46.883364011365	-24.239938535933	VS	100	1	-46.742210660805	-24.145250632025	VS	100	1
-46.765798511548	-24.16847634841	VS	100	1	-46.742237742615	-24.145451188734	VS	100	1
-46.767021472788	-24.169046846569	VS	100	1	-46.742046335605	-24.145229848001	VS	100	1
-46.774433199666	-24.155292909595	VS	100	1	-46.742500399975	-24.1457704896	VS	100	1
-46.82304524172	-24.189803182432	VS	100	1	-46.742465180586	-24.145069980296	VS	100	1
-46.823358720713	-24.189840855222	VS	100	1	-46.74280808864	-24.145081284138	VS	100	1
-46.823639526383	-24.189875295431	VS	100	1	-46.742769457114	-24.144862220591	VS	100	1
-46.779588256725	-24.181885174034	VS	100	1	-46.742969479241	-24.14526749064	VS	100	1
-46.786460832073	-24.178906071095	VS	250	1	-46.743151130016	-24.145480308677	VS	100	1
-46.715169700128	-24.145606176824	VS	100	1	-46.736875451077	-24.150016122955	VS	100	1
-46.764659280667	-24.169278792743	VS	100	1	-46.736603199346	-24.149705803269	VS	100	1
-46.786603259339	-24.178661810183	VS	250	1	-46.73642155592	-24.149492978169	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.786153962822	-24.179401132322	VS	250	1	-46.736364204302	-24.149334063674	VS	100	1
-46.828939861508	-24.161866066807	VS	100	1	-46.73622009351	-24.149271367163	VS	100	1
-46.829882184966	-24.16429807066	VS	100	1	-46.735794295315	-24.14973079971	VS	100	1
-46.770103532916	-24.174220792345	VS	100	1	-46.735614751562	-24.149712259743	VS	100	1
-46.777371279117	-24.152651623339	VS	100	1	-46.735885402479	-24.150038439254	VS	100	1
-46.77920724493	-24.152752688043	VS	100	1	-46.736089903768	-24.150286866414	VS	100	1
-46.897575900762	-24.233973905368	VS	100	1	-46.73628961723	-24.15050614789	VS	100	1
-46.897990195318	-24.234443500941	VS	100	1	-46.735485339852	-24.149947111624	VS	100	1
-46.898383961933	-24.234877557284	VS	100	1	-46.735205244815	-24.150126618659	VS	100	1
-46.892264286791	-24.231897137467	VS	100	1	-46.735007079556	-24.150077138733	VS	100	1
-46.891985157862	-24.231729846518	VS	100	1	-46.73546353719	-24.15062295159	VS	100	1
-46.891853101529	-24.230987958333	VS	100	1	-46.73477190949	-24.149809442308	VS	100	1
-46.891021227016	-24.230490171919	VS	100	1	-46.734538766296	-24.149540504163	VS	100	1
-46.890209448115	-24.230855796636	VS	100	1	-46.734342071623	-24.149313011261	VS	100	1
-46.890510233788	-24.230629861564	VS	100	1	-46.743334602971	-24.144475399523	VS	100	1
-46.89082122179	-24.230385663662	VS	100	1	-46.743614102307	-24.14429922986	VS	100	1
-46.891114585116	-24.230155342792	VS	100	1	-46.743900496881	-24.144100578371	VS	100	1
-46.891255215523	-24.230635911587	VS	100	1	-46.74390543745	-24.144299930562	VS	100	1
-46.8921322386	-24.231155249563	VS	100	1	-46.74370108817	-24.14406678966	VS	100	1
-46.89370725311	-24.232097277592	VS	100	1	-46.73374082736	-24.149723285999	VS	100	1
-46.893069080442	-24.23170978637	VS	100	1	-46.734111665816	-24.149046601479	VS	100	1
-46.892740179807	-24.231516130806	VS	100	1	-46.734397682705	-24.14864436634	VS	100	1
-46.892441185486	-24.23134008075	VS	100	1	-46.734113575589	-24.148835262774	VS	100	1
-46.89208177964	-24.229705262781	VS	100	1	-46.734668064451	-24.148454924121	VS	70	1
-46.892374546239	-24.229875184858	VS	100	1	-46.733900918008	-24.148798285838	VS	100	1
-46.892704438449	-24.230071500355	VS	100	1	-46.733829180902	-24.149030054175	VS	100	1
-46.893038141521	-24.230256963127	VS	100	1	-46.733686038674	-24.148541875696	VS	100	1
-46.893338294593	-24.230433935779	VS	100	1	-46.733482231651	-24.148300858125	VS	100	1
-46.89302841167	-24.234867630732	VS	100	1	-46.733551694886	-24.14922210844	VS	100	1
-46.892709681296	-24.234704544703	VS	100	1	-46.733115128036	-24.148987237946	VS	100	1
-46.89522256748	-24.233004119425	VS	100	1	-46.732913448833	-24.148756701	VS	100	1
-46.8954916636	-24.233162568412	VS	100	1	-46.732711361518	-24.148508329084	VS	100	1
-46.895750945142	-24.233321085528	VS	100	1	-46.732509479197	-24.148268878903	VS	100	1
-46.894973542312	-24.232863370699	VS	100	1	-46.733238808342	-24.149435150013	VS	100	1
-46.89435522662	-24.232484661627	VS	100	1	-46.772948438488	-24.176058076819	VS	100	1
-46.894674082567	-24.232669468095	VS	100	1	-46.772790397012	-24.176949428635	VS	100	1
-46.888847330817	-24.237171479172	VS	100	1	-46.772535611003	-24.176804151714	VS	100	1
-46.883357532689	-24.240803210136	VS	100	1	-46.772475118688	-24.177217642101	VS	100	1
-46.885939660748	-24.240779193387	VS	100	1	-46.772264508223	-24.176641724254	VS	100	1
-46.76869090964	-24.160374658909	VS	70	1	-46.771983586699	-24.176630621669	VS	100	1
-46.8037164124	-24.194908232595	VS	100	1	-46.771715370416	-24.177003658268	VS	100	1
-46.820840352913	-24.177229942636	VS	70	1	-46.771982163906	-24.176748470681	VS	100	1
-46.820882684534	-24.176993947486	VS	70	1	-46.771327681419	-24.177316838031	VS	100	1
-46.803391631179	-24.194695406773	VS	100	1	-46.770996093541	-24.177131144536	VS	100	1
-46.820597024125	-24.177065535592	VS	70	1	-46.77065341479	-24.17695339155	VS	100	1
-46.820691479261	-24.177227901839	VS	70	1	-46.775980949901	-24.176508773633	VS	100	1
-46.715355503276	-24.138527416057	VS	100	1	-46.775684006271	-24.176743622566	VS	100	1
-46.820521702866	-24.177425253189	VS	70	1	-46.888905867432	-24.239082145041	VS	100	1
-46.826999716196	-24.179830801008	VS	100	1	-46.775112646761	-24.17712819561	VS	100	1
-46.715104858048	-24.138707416162	VS	100	1	-46.85733705507	-24.222045402673	VS	70	1
-46.714854089661	-24.138878433153	VS	100	1	-46.774890603039	-24.177265660802	VS	100	1
-46.714831994701	-24.139010849347	VS	100	1	-46.774638977125	-24.175727167271	VS	100	1
-46.714573837065	-24.139076865141	VS	100	1	-46.889070195444	-24.232910330707	VS	100	1
-46.835858900755	-24.155919044176	VS	70	1	-46.774464903735	-24.177563756881	VS	100	1
-46.835540756418	-24.155751986821	VS	70	1	-46.887219609404	-24.238365681878	VS	100	1
-46.835302392881	-24.155646634803	VS	70	1	-46.773028636121	-24.176303591208	VS	100	1
-46.834919100712	-24.155455416984	VS	70	1	-46.773037923365	-24.175131237539	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.834698032972	-24.155339158695	VS	70	1	-46.772796781735	-24.175311462627	VS	100	1
-46.892837656911	-24.235164880529	VS	100	1	-46.793506301308	-24.185783176715	VS	250	2
-46.893443465121	-24.235460883551	VS	100	1	-46.772639142065	-24.176274346597	VS	100	1
-46.893181656295	-24.235348855422	VS	100	1	-46.77224425187	-24.175709115326	VS	100	1
-46.892625766501	-24.235061855818	VS	100	1	-46.772265437164	-24.177394655489	VS	100	1
-46.891218630639	-24.235663139567	VS	100	1	-46.772023647894	-24.17717091491	VS	100	1
-46.890858377989	-24.235696000952	VS	100	1	-46.771983478702	-24.175889469782	VS	100	1
-46.889929132959	-24.23501028337	VS	100	1	-46.771703558455	-24.176087773897	VS	100	1
-46.890273781963	-24.235188872064	VS	100	1	-46.771640164141	-24.176308356601	VS	100	1
-46.890591963845	-24.23534691698	VS	100	1	-46.771599287142	-24.175419442062	VS	100	1
-46.890880484403	-24.235496287784	VS	100	1	-46.77142351658	-24.176286164172	VS	100	1
-46.871790491122	-24.229982457025	VS	100	1	-46.771329046866	-24.175617761993	VS	100	1
-46.875875198812	-24.227121296363	VS	100	1	-46.771561556562	-24.177036583927	VS	100	1
-46.873125967402	-24.228388636593	VS	100	1	-46.771291488122	-24.176114336674	VS	100	1
-46.87358192092	-24.228070836319	VS	100	1	-46.771172551149	-24.176466446834	VS	100	1
-46.87605138661	-24.222488412898	VS	100	1	-46.77104889986	-24.175807151105	VS	100	1
-46.874665801919	-24.223445605645	VS	100	1	-46.771013087059	-24.175964705091	VS	100	1
-46.874037741641	-24.224530182872	VS	100	1	-46.770902518499	-24.176664636208	VS	100	1
-46.874324880207	-24.224323395432	VS	100	1	-46.770768968233	-24.176005471065	VS	100	1
-46.895849214531	-24.235263759951	VS	100	1	-46.896359655325	-24.242116938536	VS	100	1
-46.896435832679	-24.235950579207	VS	100	1	-46.89165862008	-24.229752693374	VS	100	1
-46.895563163111	-24.234739177754	VS	100	1	-46.770675268099	-24.175797599729	VS	100	1
-46.895868284699	-24.23451821808	VS	100	1	-46.770632057647	-24.176854040896	VS	100	1
-46.896145463667	-24.234812096931	VS	100	1	-46.775315465585	-24.176806033407	VS	250	1
-46.896367440062	-24.235051232834	VS	100	1	-46.775044921674	-24.176666760256	VS	250	1
-46.899078386813	-24.239035955551	VS	100	1	-46.774772753237	-24.176531769109	VS	250	1
-46.713321028246	-24.14332613819	VS	100	1	-46.773839744245	-24.176075396876	VS	250	1
-46.713467184958	-24.14349606679	VS	100	1	-46.772729545671	-24.175484444925	VS	250	1
-46.713618516226	-24.14367344318	VS	100	1	-46.772494987108	-24.175349286569	VS	250	1
-46.713060677942	-24.143524233409	VS	100	1	-46.772344078138	-24.175274890561	VS	250	1
-46.712790296842	-24.143713490414	VS	100	1	-46.770400138852	-24.174370723555	VS	250	1
-46.712510634664	-24.143920570149	VS	100	1	-46.734053179952	-24.147972397229	VS	100	1
-46.712288698065	-24.144082710331	VS	100	1	-46.733855833088	-24.147740378096	VS	70	1
-46.712114781142	-24.144199908565	VS	100	1	-46.73485917843	-24.146765584149	VS	70	1
-46.712212796005	-24.14434196072	VS	100	1	-46.734634057405	-24.146493959322	VS	70	1
-46.712492049589	-24.144501094397	VS	100	1	-46.734396552334	-24.146218669875	VS	70	1
-46.921032863995	-24.231142039427	VS	100	1	-46.734172739372	-24.145946468147	VS	70	1
-46.920785848398	-24.230868676108	VS	100	1	-46.733996281274	-24.14586248962	VS	70	1
-46.918678793748	-24.23339612076	VS	100	1	-46.733950358071	-24.145671421362	VS	70	1
-46.715440082577	-24.145416924692	VS	100	1	-46.733783751357	-24.146006761438	VS	70	1
-46.910047363666	-24.241536213671	VS	100	1	-46.734517156717	-24.145484192954	VS	70	1
-46.715671622463	-24.145245791134	VS	100	1	-46.734256818451	-24.14568232815	VS	70	1
-46.715922795692	-24.14507451505	VS	100	1	-46.734787901267	-24.145303703125	VS	70	1
-46.71620298329	-24.144885185413	VS	100	1	-46.735112802813	-24.14474656097	VS	70	1
-46.716444255699	-24.144704975305	VS	100	1	-46.734870424772	-24.144453880664	VS	70	1
-46.716082271014	-24.144740423608	VS	100	1	-46.734628252527	-24.144170113033	VS	70	1
-46.907852217571	-24.245366143114	VS	100	1	-46.735420117537	-24.144855846804	VS	70	1
-46.900103764738	-24.240101626341	VS	100	1	-46.735355191433	-24.145039250317	VS	70	1
-46.899568484876	-24.239508036806	VS	100	1	-46.735174116156	-24.145033289212	VS	70	1
-46.929012328078	-24.217458770801	VS	100	1	-46.734972105483	-24.1451664981	VS	70	1
-46.930230205886	-24.216572344278	VS	100	1	-46.735690607179	-24.144669352703	VS	70	1
-46.929925612308	-24.216794038847	VS	100	1	-46.736181941785	-24.144322939195	VS	70	1
-46.929621007883	-24.217015732397	VS	100	1	-46.735952539306	-24.144481662903	VS	70	1
-46.929316422082	-24.217237425716	VS	100	1	-46.735733624796	-24.144393992005	VS	70	1
-46.914076126454	-24.234627701318	VS	70	1	-46.735550814878	-24.144172452339	VS	70	1
-46.881112127029	-24.219008022817	VS	100	1	-46.735310534202	-24.143887602693	VS	70	1
-46.876885689362	-24.217526793573	VS	100	1	-46.735116788195	-24.143666739231	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.879376058348	-24.215748942467	VS	100	1	-46.735514102774	-24.143629708974	VS	70	1
-46.870474219782	-24.227297669613	VS	100	1	-46.736449376662	-24.145245574474	VS	100	1
-46.871033530356	-24.221328092769	VS	100	1	-46.859293697671	-24.216997062505	VS	70	1
-46.846005196649	-24.158638050013	VS	100	1	-46.859253244285	-24.216465072566	VS	70	1
-46.827492808383	-24.16310929758	VS	100	1	-46.859177116475	-24.215751740163	VS	70	1
-46.878697995453	-24.209704282625	VS	100	1	-46.85916816196	-24.215985171474	VS	70	1
-46.87724967075	-24.210715285539	VS	100	1	-46.859042482572	-24.217177660029	VS	70	1
-46.878150285975	-24.210088613879	VS	100	1	-46.858973284127	-24.216663577975	VS	70	1
-46.878369619854	-24.209929999724	VS	100	1	-46.858946301041	-24.215746003748	VS	70	1
-46.911872715485	-24.229899342083	VS	100	1	-46.858782069744	-24.217763063173	VS	70	1
-46.881623641513	-24.207664105272	VS	100	1	-46.858762460304	-24.217376199208	VS	70	1
-46.883607356727	-24.230111439943	VS	100	1	-46.736731856591	-24.145573660458	VS	70	1
-46.83478473106	-24.194693398125	VS	100	1	-46.736933744324	-24.145813105596	VS	70	1
-46.834198424133	-24.194403489663	VS	100	1	-46.734338489252	-24.142880232215	VS	70	1
-46.931054191937	-24.217266142239	VS	100	1	-46.734029519933	-24.143096569466	VS	70	1
-46.931931250317	-24.216663067394	VS	100	1	-46.733720335719	-24.143303974742	VS	70	1
-46.931597277338	-24.216879335885	VS	100	1	-46.733409757681	-24.143518994281	VS	70	1
-46.931339413959	-24.217072338976	VS	100	1	-46.733102697004	-24.143745497959	VS	70	1
-46.914269694659	-24.228145825426	VS	100	1	-46.732803530772	-24.14396176418	VS	70	1
-46.91095489546	-24.236741981891	VS	70	1	-46.732484535256	-24.144169243278	VS	70	1
-46.910735341139	-24.236510945253	VS	70	1	-46.732953324743	-24.142705405412	VS	100	1
-46.730216156487	-24.141828264549	VS	100	1	-46.733223250953	-24.142498272678	VS	100	1
-46.783254077358	-24.163909624297	VS	70	1	-46.732393417702	-24.143101960232	VS	100	1
-46.783326521829	-24.164144299502	VS	70	1	-46.858713637861	-24.216076623318	VS	70	1
-46.783360304041	-24.164282941338	VS	70	1	-46.858673335801	-24.216871510321	VS	70	1
-46.782622894685	-24.164794880641	VS	100	1	-46.858484109065	-24.217613877898	VS	70	1
-46.781494178052	-24.165582359641	VS	100	1	-46.858383327329	-24.217061184275	VS	70	1
-46.781236615053	-24.165579938947	VS	100	1	-46.858381218107	-24.217252885129	VS	70	1
-46.777722373045	-24.166658673626	VS	100	1	-46.858230934588	-24.216419491508	VS	70	1
-46.777518218042	-24.166798480338	VS	100	1	-46.858198916352	-24.217031059252	VS	70	1
-46.734265077226	-24.148220690645	VS	100	1	-46.858112641735	-24.217232783407	VS	70	1
-46.90845490257	-24.243004642626	VS	100	1	-46.858026948324	-24.216827123542	VS	70	1
-46.822915944906	-24.182786568367	VS	70	1	-46.857999202918	-24.216581936293	VS	70	1
-46.914741291616	-24.235367308532	VS	70	1	-46.787092302004	-24.156840041773	VS	100	1
-46.915011135534	-24.235680256068	VS	70	1	-46.787265195821	-24.157097355711	VS	100	1
-46.914398158869	-24.234987767533	VS	70	1	-46.732673162421	-24.142894761099	VS	100	1
-46.913527161641	-24.236185179672	VS	70	1	-46.73281888101	-24.14479520371	VS	100	1
-46.913279975513	-24.235903306522	VS	70	1	-46.732974789622	-24.144576232867	VS	100	1
-46.913059013819	-24.235658367446	VS	70	1	-46.733293580999	-24.144359839875	VS	100	1
-46.912806284492	-24.235372169916	VS	70	1	-46.736207199589	-24.144961799678	VS	100	1
-46.919564211312	-24.22834771281	VS	100	1	-46.735965023251	-24.144678033644	VS	100	1
-46.925142314765	-24.2242967258	VS	100	1	-46.734543008739	-24.145143090102	VS	70	1
-46.917644441187	-24.229726601095	VS	100	1	-46.734300622035	-24.144850399694	VS	70	1
-46.912186938637	-24.231187928346	VS	100	1	-46.734058450299	-24.144566640244	VS	70	1
-46.911926630745	-24.231386380457	VS	100	1	-46.734784669315	-24.145408894116	VS	70	1
-46.911656280063	-24.231576005037	VS	100	1	-46.735259621046	-24.145994341225	VS	70	1
-46.911415179688	-24.231756452555	VS	100	1	-46.735501797342	-24.146278117484	VS	70	1
-46.904264517526	-24.2342374705	VS	70	1	-46.724739568708	-24.135266955338	VS	70	1
-46.903748299706	-24.234577954265	VS	100	1	-46.857814864984	-24.216587823894	VS	70	1
-46.905851884968	-24.229409045929	VS	70	1	-46.85776738082	-24.216744423275	VS	70	1
-46.906084289774	-24.22967477806	VS	70	1	-46.857612634439	-24.216348485923	VS	70	1
-46.90624603385	-24.229860847149	VS	70	1	-46.857554480497	-24.216889086283	VS	70	1
-46.907969133204	-24.230819627498	VS	100	1	-46.724430607211	-24.135483264521	VS	70	1
-46.90905044458	-24.229752718478	VS	100	1	-46.724113610298	-24.135704837816	VS	70	1
-46.908855756774	-24.229910066233	VS	100	1	-46.72380307799	-24.135924887823	VS	70	1
-46.909320783995	-24.229563107258	VS	100	1	-46.723494407621	-24.136150055909	VS	70	1
-46.909600731995	-24.229364493953	VS	100	1	-46.723214453867	-24.136348316153	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.909822640528	-24.229202043826	VS	100	1	-46.722899067425	-24.136574204855	VS	70	1
-46.910073562565	-24.229021520217	VS	100	1	-46.723635722911	-24.136633589442	VS	70	1
-46.910565579973	-24.228660531715	VS	70	1	-46.723095231597	-24.137021053277	VS	70	1
-46.878215737314	-24.209884876255	VS	70	1	-46.722826064727	-24.1372083191	VS	70	1
-46.833967126218	-24.194291631606	VS	100	1	-46.722277976917	-24.13681703422	VS	70	1
-46.834496809601	-24.194561786985	VS	100	1	-46.722470037196	-24.137038854952	VS	70	1
-46.835301124781	-24.194958543894	VS	100	1	-46.722268606409	-24.13701505313	VS	70	1
-46.835102943853	-24.194860450919	VS	100	1	-46.859871963191	-24.215237484016	VS	70	1
-46.7688936187	-24.172251009003	VS	100	1	-46.859650001315	-24.215408934622	VS	70	1
-46.833350856332	-24.155525535032	VS	100	1	-46.859418253503	-24.215571381548	VS	70	1
-46.726930457575	-24.141905185119	VS	100	1	-46.858754492656	-24.215533305676	VS	70	1
-46.79120166757	-24.165515866804	VS	100	1	-46.858542541813	-24.215294173018	VS	70	1
-46.872189079154	-24.210547535261	VS	100	1	-46.858521681413	-24.21554883781	VS	70	1
-46.716298488917	-24.144872752189	VS	100	1	-46.858251304098	-24.215738352308	VS	70	1
-46.863270344308	-24.215361026716	VS	100	1	-46.857961480592	-24.215936956831	VS	70	1
-46.849697621369	-24.207050374521	VS	100	1	-46.857410857599	-24.216127030382	VS	70	1
-46.833319479381	-24.199637187917	VS	100	1	-46.857332307558	-24.217033487261	VS	70	1
-46.8295925712	-24.195338459943	VS	100	1	-46.787431569167	-24.157351577083	VS	100	1
-46.854167634518	-24.208998701068	VS	100	1	-46.722618115678	-24.137215311251	VS	70	1
-46.869208600714	-24.214688272885	VS	100	1	-46.722554382354	-24.13739970585	VS	70	1
-46.863331137489	-24.219071210693	VS	100	1	-46.721740666356	-24.137983005409	VS	70	1
-46.882445108972	-24.237049252107	VS	100	1	-46.721985696595	-24.137225551566	VS	70	1
-46.894036147373	-24.232290922169	VS	100	1	-46.721719373101	-24.137407918579	VS	100	1
-46.861877124989	-24.211553430316	VS	100	1	-46.721337733782	-24.138153152012	VS	70	1
-46.85650128735	-24.215368671998	VS	100	1	-46.720974904381	-24.137736601297	VS	70	1
-46.859579618361	-24.213193463708	VS	100	1	-46.721579920352	-24.13843700899	VS	70	1
-46.789297239863	-24.169089200204	VS	100	1	-46.72183560835	-24.138727870966	VS	70	1
-46.782739367655	-24.1734566056	VS	100	1	-46.721845976413	-24.138573342814	VS	70	1
-46.853513299524	-24.160287433543	VS	100	1	-46.72213553073	-24.138366087718	VS	70	1
-46.862710824342	-24.16663087328	VS	70	1	-46.722444312116	-24.138149914643	VS	70	1
-46.84882774178	-24.161982518148	VS	100	1	-46.722873469766	-24.137526527627	VS	70	1
-46.772518388691	-24.157642268408	VS	70	1	-46.85673845103	-24.217454467513	VS	100	1
-46.750337333113	-24.15900776669	VS	100	1	-46.856429767161	-24.217676970462	VS	100	1
-46.854611596157	-24.220296884248	VS	100	1	-46.856260758148	-24.217791360777	VS	100	1
-46.885927423443	-24.202876273664	VS	100	1	-46.788499926794	-24.157000413123	VS	100	1
-46.800681668606	-24.192176285327	VS	100	1	-46.788358466799	-24.156783089011	VS	100	1
-46.80993422563	-24.188300609398	VS	100	1	-46.723084521408	-24.137771644412	VS	70	1
-46.809779635142	-24.188527872434	VS	100	1	-46.723323920403	-24.138063498414	VS	70	1
-46.80955893441	-24.188799358957	VS	100	1	-46.72356981398	-24.138342678615	VS	70	1
-46.808167100139	-24.187697793346	VS	100	1	-46.723222427724	-24.138369531629	VS	70	1
-46.809136644029	-24.187975520303	VS	100	2	-46.722916011865	-24.138592561276	VS	70	1
-46.776855579409	-24.175416648811	VS	70	1	-46.72260703864	-24.138808874137	VS	70	1
-46.786283225484	-24.179194716128	VS	250	1	-46.721249767156	-24.138992689865	VS	70	1
-46.814766238662	-24.180429375475	VS	100	1	-46.72188307934	-24.139322498607	VS	70	1
-46.910816283997	-24.228471083286	VS	70	1	-46.721574306317	-24.139547730677	VS	70	1
-46.882544040655	-24.220886557177	VS	100	1	-46.721043409157	-24.139926195746	VS	100	1
-46.880570087358	-24.219386372539	VS	100	1	-46.720502642202	-24.140304760042	VS	70	1
-46.880848369435	-24.219193801678	VS	100	1	-46.720174658375	-24.140547957492	VS	100	1
-46.881378699357	-24.21881785652	VS	100	1	-46.857319566897	-24.21737061928	VS	70	1
-46.881647246158	-24.218628022661	VS	100	1	-46.857050996485	-24.217237154221	VS	70	1
-46.883573320864	-24.21527292341	VS	100	1	-46.856726601789	-24.217080735745	VS	70	1
-46.88345599584	-24.215598469583	VS	100	1	-46.856431975629	-24.216938913844	VS	70	1
-46.891366432796	-24.210006534719	VS	100	1	-46.858521752951	-24.21796143521	VS	100	1
-46.885129403141	-24.214388347483	VS	100	1	-46.858063946487	-24.217740606155	VS	100	1
-46.885714448977	-24.213970864571	VS	100	1	-46.719644601122	-24.140123487891	VS	70	1
-46.775660279567	-24.152634990153	VS	100	1	-46.719374245952	-24.14031275031	VS	70	1
-46.8421202789	-24.207221320672	VS	100	1	-46.719363458123	-24.140594020543	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.839587049272	-24.206462756023	VS	100	1	-46.718969378176	-24.140145421417	VS	70	1
-46.843720773768	-24.206944022178	VS	100	1	-46.721145795183	-24.138407384357	VS	70	1
-46.84447784863	-24.210094462045	VS	100	1	-46.720875115859	-24.138598002334	VS	70	1
-46.844276142601	-24.209850066174	VS	100	1	-46.717099807629	-24.137284946554	VS	100	1
-46.844074169709	-24.20961965593	VS	100	1	-46.722577303959	-24.136798922101	VS	100	1
-46.844937772296	-24.207544251116	VS	100	1	-46.721498304193	-24.1375662227	VS	100	1
-46.840422558858	-24.207254588832	VS	100	1	-46.721196778301	-24.137772220978	VS	100	1
-46.839853457381	-24.203870354425	VS	100	1	-46.720945800437	-24.137952438881	VS	100	1
-46.83969982354	-24.204138836484	VS	100	1	-46.720748108134	-24.138075463265	VS	100	1
-46.842630779751	-24.201416745488	VS	100	1	-46.721454095051	-24.138183600112	VS	100	1
-46.842477040775	-24.201661822509	VS	100	1	-46.720391199247	-24.139438969149	VS	100	1
-46.843129655699	-24.20293090598	VS	100	1	-46.720227823891	-24.1392563925	VS	100	1
-46.842146583504	-24.202208699569	VS	100	1	-46.720677864686	-24.139402430312	VS	100	1
-46.840223729286	-24.20091321167	VS	100	1	-46.720590962322	-24.139663406699	VS	100	1
-46.838147115501	-24.204373539417	VS	100	1	-46.720407462464	-24.139591720652	VS	100	1
-46.836229730965	-24.198067954511	VS	100	1	-46.720772565032	-24.1398762453	VS	70	1
-46.836856097081	-24.198384388172	VS	70	1	-46.720782609001	-24.140106506665	VS	100	1
-46.837952524191	-24.201324709696	VS	100	1	-46.721303954789	-24.13973699711	VS	100	1
-46.837367780287	-24.201015530777	VS	100	1	-46.718506901113	-24.140299389871	VS	100	1
-46.83772291682	-24.200714021203	VS	100	1	-46.719965956695	-24.135818732773	VS	100	1
-46.837078211323	-24.19756978236	VS	100	1	-46.719746578658	-24.135556682532	VS	100	1
-46.840600820874	-24.198238367679	VS	100	1	-46.719617432688	-24.135540875733	VS	100	1
-46.840411425453	-24.19854713156	VS	100	1	-46.719924628092	-24.135349752395	VS	100	1
-46.775477002051	-24.152770182385	VS	100	1	-46.719327478214	-24.135780858455	VS	100	1
-46.835151989231	-24.200769838701	VS	100	1	-46.719053916205	-24.135922538913	VS	100	1
-46.834951016597	-24.201090692047	VS	100	1	-46.718812290936	-24.136093955759	VS	100	1
-46.834804739111	-24.201345304719	VS	100	1	-46.718281461356	-24.1364633084	VS	100	1
-46.834647316789	-24.201615534436	VS	100	1	-46.718039854345	-24.136634706259	VS	100	1
-46.90086254016	-24.240990370671	VS	100	1	-46.717788754016	-24.136815023429	VS	100	1
-46.900611226599	-24.240712812655	VS	100	1	-46.717537872128	-24.136986123653	VS	100	1
-46.825896281957	-24.172695737249	VS	70	1	-46.716987351894	-24.138107752558	VS	100	1
-46.824834576381	-24.172171335845	VS	70	1	-46.71668058974	-24.138336780872	VS	100	1
-46.86999632044	-24.213933785505	VS	100	1	-46.771948439967	-24.176475613162	VS	100	1
-46.893018936758	-24.234086200061	VS	100	1	-46.789876300369	-24.179925206613	VS	100	1
-46.862162648331	-24.211338343887	VS	100	1	-46.720144947558	-24.135165528461	VS	100	1
-46.861296934536	-24.21196228125	VS	100	1	-46.720405363444	-24.135025595141	VS	100	1
-46.860146339175	-24.212765554069	VS	100	1	-46.720669500093	-24.13484358337	VS	100	1
-46.856187011548	-24.215580356339	VS	100	1	-46.720939950894	-24.134654256648	VS	100	1
-46.859025830257	-24.21356675069	VS	100	1	-46.721227446637	-24.13444631355	VS	100	1
-46.776848455264	-24.145713950609	VS	100	1	-46.721129287271	-24.134692712629	VS	100	1
-46.780742486349	-24.115599913129	VS	100	1	-46.720944501352	-24.134440262852	VS	100	1
-46.784535209825	-24.168807539144	VS	100	1	-46.722282770214	-24.137587487882	VS	70	1
-46.860304554894	-24.140354226715	VS	100	1	-46.722029787116	-24.137777811719	VS	70	1
-46.759279875799	-24.149095427747	VS	100	1	-46.857681651418	-24.217547818213	VS	70	1
-46.877569879267	-24.227001287377	VS	100	1	-46.857456966291	-24.217710553031	VS	70	1
-46.83799481805	-24.204611689506	VS	100	1	-46.857328864948	-24.216927325993	VS	70	1
-46.842307016822	-24.201939759895	VS	100	1	-46.721156131991	-24.137940314262	VS	70	1
-46.822179217942	-24.16114108689	VS	100	1	-46.721509333516	-24.134266916961	VS	100	1
-46.720678159937	-24.142477814097	VS	70	1	-46.784931702036	-24.182985746309	VS	100	1
-46.761942080855	-24.172357581797	VS	100	1	-46.717477516141	-24.141030843825	VS	100	1
-46.762155838477	-24.172499532368	VS	70	1	-46.718107660437	-24.141467869702	VS	100	1
-46.806503943919	-24.193467224424	VS	100	2	-46.718282550287	-24.141890631643	VS	100	1
-46.795522173963	-24.18133452971	VS	100	1	-46.71852390693	-24.141719407791	VS	70	1
-46.850031109875	-24.213281057131	VS	100	1	-46.719267149198	-24.141187790842	VS	100	1
-46.862896652634	-24.215140454212	VS	100	1	-46.720201490918	-24.141394098719	VS	100	1
-46.818320758416	-24.162935593071	VS	100	1	-46.720024032614	-24.141339737683	VS	100	1
-46.837543388833	-24.207444095905	VS	100	1	-46.720250530313	-24.141604783308	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.818323444788	-24.162572772538	VS	100	1	-46.719861327175	-24.141629172827	VS	100	1
-46.818409525744	-24.162217597417	VS	70	1	-46.720529535657	-24.141180960041	VS	100	1
-46.8977671253	-24.232394206805	VS	100	1	-46.720822520283	-24.140971550913	VS	100	1
-46.8185016172	-24.162037245351	VS	70	1	-46.721140836365	-24.14075548697	VS	100	1
-46.81871099272	-24.162209880543	VS	70	1	-46.720672021097	-24.141790850247	VS	100	1
-46.90159098531	-24.240076210113	VS	100	1	-46.720980831218	-24.141565612857	VS	100	1
-46.761036334216	-24.16755843516	VS	100	1	-46.719812402809	-24.141095510974	VS	70	1
-46.761748747547	-24.167929613617	VS	70	1	-46.71985607289	-24.140773252347	VS	100	1
-46.819141779423	-24.162568220292	VS	70	1	-46.719585129878	-24.140842271119	VS	70	1
-46.818986322154	-24.16169381689	VS	70	1	-46.719527699829	-24.140998596001	VS	70	1
-46.81924658814	-24.161436504316	VS	70	1	-46.719016201208	-24.141367996279	VS	70	1
-46.81951159335	-24.161172442048	VS	70	1	-46.718762657604	-24.141559135902	VS	70	1
-46.819981086593	-24.16070496448	VS	70	1	-46.718309704492	-24.141690138465	VS	100	1
-46.83149291551	-24.179084104808	VS	70	1	-46.71754435949	-24.140848045374	VS	70	1
-46.815049611806	-24.176255252257	VS	70	1	-46.77622893134	-24.177279336755	VS	250	1
-46.884176605485	-24.230409983556	VS	100	1	-46.773442580714	-24.17657262691	VS	100	1
-46.853119196711	-24.208843815057	VS	100	1	-46.773221667061	-24.17672884645	VS	100	1
-46.82512341075	-24.17220342878	VS	70	1	-46.772980256009	-24.176901653165	VS	100	1
-46.844573626535	-24.168993163283	VS	70	1	-46.772719244163	-24.177037663142	VS	100	1
-46.844836271789	-24.168473036269	VS	70	1	-46.769832194223	-24.176663762564	VS	100	1
-46.843541060149	-24.162963481633	VS	100	1	-46.726079137421	-24.140407955756	VS	100	1
-46.832365914889	-24.163895308094	VS	100	1	-46.725912805541	-24.140770420477	VS	100	1
-46.831835110009	-24.163462135068	VS	100	1	-46.726991197398	-24.141763986821	VS	100	1
-46.831314321951	-24.16386150256	VS	100	1	-46.72837589365	-24.14137931725	VS	100	1
-46.831020474519	-24.16361690272	VS	100	1	-46.730843183253	-24.141873123265	VS	100	1
-46.829918758036	-24.162693161234	VS	100	1	-46.860348335515	-24.214928049995	VS	70	1
-46.82922787014	-24.162112890187	VS	100	1	-46.860102348176	-24.215083086775	VS	70	1
-46.829699711588	-24.162507030358	VS	100	1	-46.862534586629	-24.213385439886	VS	70	1
-46.830499572086	-24.16318129188	VS	100	1	-46.863040981931	-24.213639719773	VS	70	1
-46.833429922855	-24.166652666517	VS	100	1	-46.862327930103	-24.213526755359	VS	70	1
-46.830684044516	-24.164972233924	VS	100	1	-46.725779970647	-24.140624198641	VS	100	1
-46.830978138431	-24.165213243989	VS	100	1	-46.725519214691	-24.140804483486	VS	100	1
-46.83041624326	-24.164744980618	VS	100	1	-46.725247347885	-24.141012457601	VS	100	1
-46.830153021336	-24.16452410049	VS	100	1	-46.726084602513	-24.140983330399	VS	100	1
-46.829423324743	-24.164764249693	VS	100	1	-46.726586192946	-24.140803199741	VS	100	1
-46.828036003578	-24.163596911022	VS	100	1	-46.726354673925	-24.140974353168	VS	100	1
-46.827749202336	-24.163351326515	VS	100	1	-46.726866153397	-24.140604933999	VS	100	1
-46.828330476927	-24.163842308566	VS	100	1	-46.72707867953	-24.14046067162	VS	100	1
-46.828615241035	-24.16408744871	VS	100	1	-46.727348862422	-24.140262437157	VS	100	1
-46.828359062283	-24.164702630964	VS	100	1	-46.726045679304	-24.141190672431	VS	100	1
-46.828644105	-24.164957381018	VS	100	1	-46.725794535152	-24.141361968547	VS	100	1
-46.828933178491	-24.165196408813	VS	100	1	-46.725533991175	-24.141551175319	VS	100	1
-46.83072226767	-24.166676593234	VS	100	1	-46.725293715215	-24.141723532613	VS	100	1
-46.83039228216	-24.166406911124	VS	100	1	-46.862083045612	-24.213694349598	VS	70	1
-46.830098643748	-24.166157905939	VS	100	1	-46.86179347477	-24.213901868617	VS	70	1
-46.829803153928	-24.165914493676	VS	100	1	-46.861503941182	-24.214100308569	VS	70	1
-46.829496015851	-24.165673331513	VS	100	1	-46.861271720506	-24.214262322224	VS	70	1
-46.829203770702	-24.165426310586	VS	100	1	-46.86108880516	-24.214398105752	VS	70	1
-46.845572226655	-24.157665427388	VS	100	1	-46.860837645872	-24.214569629218	VS	70	1
-46.845800814408	-24.157958008247	VS	100	1	-46.860623711143	-24.214730976385	VS	70	1
-46.846012130469	-24.158239595884	VS	100	1	-46.861155482643	-24.213830829571	VS	70	1
-46.84624644055	-24.158466613093	VS	100	1	-46.725099542501	-24.141857596766	VS	100	1
-46.854314317085	-24.161192817366	VS	100	1	-46.726627850471	-24.142019928793	VS	100	1
-46.854097439139	-24.160943618215	VS	100	1	-46.72725200161	-24.141574595324	VS	100	1
-46.853694950877	-24.160491215001	VS	100	1	-46.727547289327	-24.141373070935	VS	100	1
-46.853165474047	-24.159992336817	VS	100	1	-46.727812027531	-24.141187043122	VS	100	1
-46.852874488482	-24.160239222611	VS	100	1	-46.728082220739	-24.140988816705	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.852806562443	-24.159481024895	VS	100	1	-46.728374972512	-24.140786957856	VS	100	1
-46.853068892419	-24.159773415682	VS	100	1	-46.728657820971	-24.140588039204	VS	100	1
-46.853311585154	-24.160065947704	VS	100	1	-46.728951128088	-24.140375935158	VS	100	1
-46.851304267034	-24.164628319383	VS	100	1	-46.729225587575	-24.140784413144	VS	100	1
-46.851612922005	-24.164402810106	VS	100	1	-46.728124955573	-24.141559539467	VS	100	1
-46.848105758842	-24.16250911244	VS	100	1	-46.863647383872	-24.212602280994	VS	70	1
-46.84839372656	-24.162298193046	VS	100	1	-46.865123711433	-24.212322732703	VS	70	1
-46.848928737137	-24.162667962847	VS	100	1	-46.86480956268	-24.212541762094	VS	70	1
-46.849203559977	-24.162993213134	VS	100	1	-46.864483192029	-24.212765687783	VS	70	1
-46.846866294098	-24.162367157169	VS	100	1	-46.863114057466	-24.212967954337	VS	70	1
-46.847209366468	-24.162114852758	VS	100	1	-46.862810521442	-24.21318424729	VS	70	1
-46.847449278298	-24.161948319063	VS	100	1	-46.863426812474	-24.212751704082	VS	70	1
-46.847841287309	-24.161666845377	VS	100	1	-46.727874057275	-24.141739726242	VS	100	1
-46.848125046417	-24.161475376815	VS	100	1	-46.72761330114	-24.141920014756	VS	100	1
-46.849134307528	-24.161760121429	VS	100	1	-46.729977211353	-24.141754124929	VS	100	1
-46.847586851278	-24.148529167192	VS	100	1	-46.77348936989	-24.174807633256	VS	100	1
-46.847791106219	-24.148107012484	VS	100	1	-46.773257802762	-24.174978875002	VS	100	1
-46.847144810403	-24.149730424723	VS	100	1	-46.730286038474	-24.14152884013	VS	70	1
-46.847256751832	-24.149427663338	VS	100	1	-46.728655853283	-24.141181048011	VS	100	1
-46.818062314123	-24.148848969833	VS	100	1	-46.776776600879	-24.176463224577	VS	100	1
-46.872282950071	-24.228015267658	VS	100	1	-46.86562486909	-24.213253096179	VS	100	1
-46.868341264697	-24.226699532521	VS	100	1	-46.865335304045	-24.21346062288	VS	100	1
-46.87698394106	-24.2230992719	VS	100	1	-46.865904812817	-24.213054567016	VS	100	1
-46.872946365704	-24.228966461741	VS	100	1	-46.865064939833	-24.213650151523	VS	100	1
-46.869364961795	-24.223000984495	VS	100	1	-46.866386581938	-24.213433764421	VS	70	1
-46.722485716387	-24.147940463965	VS	70	1	-46.866080629604	-24.213659529004	VS	70	1
-46.7220235948	-24.148296834126	VS	70	1	-46.864794797548	-24.213848602782	VS	100	1
-46.723218529406	-24.147464909675	VS	70	1	-46.782696254881	-24.180597893773	VS	250	1
-46.725457598425	-24.149817148359	VS	70	1	-46.865544042383	-24.214056156766	VS	70	1
-46.764454960366	-24.165636797355	VS	70	1	-46.78177644863	-24.179930908273	VS	250	1
-46.764271652326	-24.165771971688	VS	70	1	-46.865264725728	-24.214262870805	VS	70	1
-46.767050142484	-24.164442705094	VS	70	1	-46.786428951013	-24.177027360404	VS	100	1
-46.754684505153	-24.157454629877	VS	100	1	-46.864987069812	-24.214465626139	VS	70	1
-46.757199230934	-24.166369071229	VS	100	1	-46.864840376756	-24.214310685221	VS	70	1
-46.855473820914	-24.222885041407	VS	100	1	-46.786102306783	-24.17689614546	VS	100	1
-46.865869444846	-24.224762295495	VS	100	1	-46.775284520418	-24.175188412837	VS	100	1
-46.870264423818	-24.22942341143	VS	100	1	-46.776923753398	-24.174931522122	VS	100	1
-46.867465701868	-24.226959915293	VS	100	1	-46.776824138764	-24.174178608797	VS	100	1
-46.867681678657	-24.227197534657	VS	100	1	-46.776737227077	-24.174961192842	VS	100	1
-46.842739326854	-24.213990452462	VS	100	1	-46.776641064689	-24.174794331329	VS	100	1
-46.861031493557	-24.215778916451	VS	100	1	-46.776580435331	-24.174359238461	VS	100	1
-46.861486732931	-24.215618520083	VS	100	1	-46.776478175178	-24.175134859957	VS	100	1
-46.861281738573	-24.215458616997	VS	100	1	-46.776393245129	-24.174677067529	VS	100	1
-46.862073121829	-24.21651412059	VS	100	1	-46.776361687333	-24.174511998411	VS	100	1
-46.849608950664	-24.218936497432	VS	100	1	-46.86447671567	-24.213894212108	VS	70	1
-46.849871256817	-24.219107383849	VS	100	1	-46.864284946598	-24.213681575513	VS	70	1
-46.862203802539	-24.222934080695	VS	100	1	-46.865176423078	-24.216105843002	VS	70	1
-46.860498883805	-24.221325371863	VS	100	1	-46.864906052147	-24.216295379535	VS	70	1
-46.843994666704	-24.213627049121	VS	100	1	-46.864873953931	-24.21649936664	VS	70	1
-46.843782866429	-24.213396702936	VS	100	1	-46.864616629288	-24.216502799623	VS	70	1
-46.842702804801	-24.213450025688	VS	100	1	-46.864534109028	-24.216261027247	VS	70	1
-46.841813937372	-24.212442156129	VS	100	1	-46.86432706451	-24.216710323388	VS	70	1
-46.842063234043	-24.212728826007	VS	100	1	-46.864233953853	-24.216057037109	VS	70	1
-46.842255994649	-24.212942027731	VS	100	1	-46.863899462428	-24.216080018069	VS	70	1
-46.843113863429	-24.214413831426	VS	100	1	-46.863878252864	-24.21521473937	VS	70	1
-46.842951520502	-24.214238599659	VS	100	1	-46.863665671879	-24.215633994839	VS	70	1
-46.844722850813	-24.210361805897	VS	100	1	-46.776226209503	-24.17636993126	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.845082781997	-24.210751456702	VS	100	1	-46.783769335722	-24.181125446277	VS	250	1
-46.846685234459	-24.208231287795	VS	100	1	-46.783521115485	-24.18100244704	VS	250	1
-46.846468200766	-24.207967812546	VS	100	1	-46.78326294013	-24.180879451116	VS	250	1
-46.847129665555	-24.208745221756	VS	100	1	-46.776168829276	-24.175640801123	VS	70	1
-46.847391470675	-24.208821822858	VS	100	1	-46.726764471549	-24.150535587314	VS	70	1
-46.847341899762	-24.208993400016	VS	100	1	-46.726522901669	-24.150697892477	VS	70	1
-46.850170316262	-24.206698738634	VS	100	1	-46.863613202836	-24.215404219982	VS	70	1
-46.849732759848	-24.206187498104	VS	100	1	-46.863391090669	-24.215447622699	VS	70	1
-46.849957867111	-24.20644164122	VS	100	1	-46.863357362279	-24.215602561194	VS	70	1
-46.850382342371	-24.206937990196	VS	100	1	-46.863145206162	-24.215272832485	VS	70	1
-46.85059451478	-24.207186090454	VS	100	1	-46.86310641555	-24.215783011417	VS	70	1
-46.84928299996	-24.206553986256	VS	100	1	-46.729481626034	-24.147869522327	VS	70	1
-46.84902037916	-24.206252655334	VS	100	1	-46.726539623486	-24.144999428547	VS	70	1
-46.849485384675	-24.206802199329	VS	100	1	-46.731031584269	-24.147601347954	VS	70	1
-46.860032638814	-24.225835319184	VS	100	1	-46.731631602955	-24.147240192089	VS	70	1
-46.745346166966	-24.160282653153	VS	100	1	-46.731863835213	-24.147515238518	VS	70	1
-46.745047993686	-24.160124206285	VS	100	1	-46.729059201084	-24.149184365963	VS	70	1
-46.744740013067	-24.159965818442	VS	100	1	-46.728800893025	-24.149390985201	VS	70	1
-46.74442199966	-24.159798594051	VS	100	1	-46.728520495475	-24.149571417076	VS	70	1
-46.74412323218	-24.159639768384	VS	100	1	-46.72828630834	-24.149731056644	VS	70	1
-46.743835053205	-24.159481373363	VS	100	1	-46.726846789999	-24.148179691411	VS	100	1
-46.743526860889	-24.159314070221	VS	100	1	-46.837526368625	-24.1968138439	VS	70	1
-46.74414323077	-24.159313481717	VS	100	1	-46.83734354944	-24.197125488166	VS	70	1
-46.744020474953	-24.159519569865	VS	100	1	-46.837140849188	-24.197168610575	VS	70	1
-46.743868176455	-24.159742114804	VS	100	1	-46.838089295499	-24.197638660482	VS	100	1
-46.745527500545	-24.16078015179	VS	100	1	-46.837796814086	-24.197493703141	VS	100	1
-46.745189912827	-24.161032384196	VS	100	1	-46.837468970378	-24.197335641985	VS	100	1
-46.744948954123	-24.161221493999	VS	100	1	-46.838746316998	-24.196808548733	VS	250	1
-46.744688592701	-24.16141965358	VS	100	1	-46.838591482052	-24.197067683917	VS	250	1
-46.902944302718	-24.192898800696	VS	100	1	-46.838453235197	-24.197298808695	VS	250	1
-46.902656193879	-24.193078498288	VS	100	1	-46.8382835709	-24.197578960101	VS	250	1
-46.902303424319	-24.193316856241	VS	100	1	-46.838107773038	-24.197869059533	VS	250	1
-46.901980032614	-24.193544526324	VS	100	1	-46.837947347904	-24.198137994635	VS	250	1
-46.905064548936	-24.223975313563	VS	100	1	-46.726605428979	-24.148350919229	VS	70	1
-46.904900934735	-24.224108770177	VS	100	1	-46.726344676027	-24.148531203873	VS	70	1
-46.904601874567	-24.224325344446	VS	100	1	-46.729753636428	-24.147648698723	VS	70	1
-46.891061047846	-24.238079426145	VS	100	1	-46.729162729064	-24.148085974709	VS	70	1
-46.891302202203	-24.237903994127	VS	100	1	-46.72885293114	-24.148263113163	VS	70	1
-46.891402206882	-24.237771225122	VS	100	1	-46.725563674367	-24.14556417562	VS	70	1
-46.891545061362	-24.237731790579	VS	100	1	-46.837786922324	-24.19840692046	VS	250	1
-46.891108061412	-24.237809110962	VS	100	1	-46.837635885822	-24.198657935435	VS	250	1
-46.890876280101	-24.237552805788	VS	100	1	-46.837456348776	-24.198944730727	VS	250	1
-46.8906944728	-24.237349029646	VS	100	1	-46.837297670342	-24.19922726387	VS	250	1
-46.890462227405	-24.237208997443	VS	100	1	-46.837144714554	-24.199484636079	VS	250	1
-46.890193794179	-24.237077309208	VS	100	1	-46.839605299154	-24.198380837132	VS	70	1
-46.847005392835	-24.216325614707	VS	70	1	-46.839131608076	-24.199499912561	VS	70	1
-46.842023889364	-24.211313655322	VS	70	1	-46.83842280675	-24.19780113112	VS	70	1
-46.841791594369	-24.211047782027	VS	70	1	-46.839873600599	-24.198512597687	VS	70	1
-46.841540513975	-24.210794612438	VS	70	1	-46.840118598855	-24.19863249546	VS	70	1
-46.842114071535	-24.210589779187	VS	70	1	-46.8404449819644	-24.198802400979	VS	70	1
-46.842295982008	-24.210802512562	VS	70	1	-46.840768186293	-24.198969520042	VS	70	1
-46.842487706408	-24.21101517149	VS	70	1	-46.725361597143	-24.145315796271	VS	70	1
-46.842999301574	-24.210662732027	VS	70	1	-46.726800387825	-24.144819143015	VS	100	1
-46.8427881215	-24.210433150425	VS	70	1	-46.728188718794	-24.147233439886	VS	70	1
-46.842633045781	-24.210241049937	VS	70	1	-46.728449068591	-24.147035307861	VS	70	1
-46.844802003784	-24.212753113042	VS	70	1	-46.728738849233	-24.14683697268	VS	70	1
-46.840960310389	-24.210678935607	VS	70	1	-46.729298295535	-24.146422634409	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.784022384561	-24.183655608087	VS	250	1	-46.729018751551	-24.14663874757	VS	70	1
-46.782240610755	-24.181911659933	VS	250	1	-46.729559180487	-24.146242266268	VS	70	1
-46.779172062568	-24.178882756005	VS	250	1	-46.729848753678	-24.146035006583	VS	70	1
-46.810222833981	-24.193169612161	VS	100	1	-46.730119220607	-24.145845647115	VS	70	1
-46.809227392513	-24.192542600819	VS	100	1	-46.730408792063	-24.145638386104	VS	70	1
-46.80946636906	-24.190819126668	VS	100	1	-46.841066370284	-24.199118892902	VS	70	1
-46.714036749037	-24.13950227896	VS	100	1	-46.841392269784	-24.199284449603	VS	70	1
-46.713746957431	-24.139710042006	VS	100	1	-46.841742261875	-24.199452756043	VS	70	1
-46.713466739998	-24.139899376186	VS	100	1	-46.840175087075	-24.200027009024	VS	70	1
-46.815037015218	-24.188414981013	VS	100	1	-46.839847012804	-24.199860019737	VS	70	1
-46.814684197854	-24.18839482756	VS	100	1	-46.838416120048	-24.199148545802	VS	70	1
-46.81448144489	-24.188128689283	VS	100	1	-46.838108117446	-24.198999251033	VS	70	1
-46.814289162218	-24.187889246587	VS	100	1	-46.837811183071	-24.198852395382	VS	70	1
-46.729786735919	-24.154327016973	VS	100	1	-46.83833807633	-24.199678633445	VS	70	1
-46.728872383384	-24.151520433626	VS	100	1	-46.839489560038	-24.199684517485	VS	70	1
-46.728548540144	-24.151336068145	VS	100	1	-46.838793935269	-24.199341927319	VS	70	1
-46.728262650004	-24.151176242275	VS	100	1	-46.730688964025	-24.145449026939	VS	70	1
-46.728061774824	-24.151196392783	VS	100	1	-46.730997953723	-24.145232707391	VS	70	1
-46.727952384517	-24.151001677469	VS	100	1	-46.731295682823	-24.147908706589	VS	70	1
-46.727663635561	-24.150823604606	VS	100	1	-46.73100945929	-24.14898263488	VS	70	1
-46.727055878375	-24.150515264308	VS	100	1	-46.73076811087	-24.149153870139	VS	70	1
-46.727297955567	-24.150686601859	VS	100	1	-46.7313791992	-24.146938643094	VS	70	1
-46.727393163283	-24.150489763558	VS	100	1	-46.731127224546	-24.146654938169	VS	70	1
-46.735455712011	-24.15181626838	VS	100	1	-46.73208575835	-24.147772388918	VS	100	1
-46.737728151564	-24.148999039778	VS	100	1	-46.732311553926	-24.148045171998	VS	100	1
-46.737556324179	-24.148786147989	VS	100	1	-46.731912748183	-24.147304243408	VS	70	1
-46.737339905837	-24.148520521502	VS	100	1	-46.724717342968	-24.147668009651	VS	70	1
-46.812486672837	-24.193521278485	VS	100	1	-46.727538157444	-24.147714248193	VS	70	1
-46.812139086082	-24.193264232426	VS	100	1	-46.731316525752	-24.145007396812	VS	70	1
-46.811878784198	-24.193208399018	VS	100	1	-46.768658859983	-24.173555039378	VS	100	1
-46.811627893163	-24.193051196594	VS	100	1	-46.768350796564	-24.173405507932	VS	100	1
-46.811436268932	-24.19292350276	VS	100	1	-46.768082498456	-24.173264771721	VS	100	1
-46.811224399175	-24.19294895501	VS	250	1	-46.767736206779	-24.173957839239	VS	100	1
-46.810993577103	-24.193127958434	VS	250	1	-46.767436586095	-24.174156326764	VS	100	1
-46.811456173	-24.192767579124	VS	250	1	-46.767156493626	-24.174354734532	VS	100	1
-46.810752431573	-24.193308236928	VS	250	1	-46.767060261304	-24.175096702459	VS	100	1
-46.811187835239	-24.192761525817	VS	250	1	-46.766866641115	-24.174553167782	VS	100	1
-46.811681251298	-24.192590751857	VS	250	1	-46.766460567923	-24.174771943922	VS	100	1
-46.807061393267	-24.195700564049	VS	100	1	-46.769656823901	-24.173381375593	VS	100	1
-46.807037522176	-24.195920083471	VS	100	1	-46.769584541882	-24.172651986263	VS	100	1
-46.798499328028	-24.188926131871	VS	250	1	-46.769285344811	-24.172871153703	VS	100	1
-46.713186804472	-24.140097597655	VS	100	1	-46.769011444085	-24.173073875798	VS	100	1
-46.81859950788	-24.175156220867	VS	70	1	-46.76899969444	-24.173841553873	VS	100	1
-46.81873258323	-24.174977960246	VS	70	1	-46.768997185495	-24.173731241136	VS	100	1
-46.819004114225	-24.175164250681	VS	70	1	-46.768907896844	-24.172432259184	VS	100	1
-46.818475039775	-24.174789799628	VS	70	1	-46.768660426482	-24.17330734276	VS	100	1
-46.818185682025	-24.17459571574	VS	70	1	-46.768709895492	-24.17403996555	VS	100	1
-46.817883006667	-24.174393268336	VS	70	1	-46.768666395297	-24.172612693016	VS	100	1
-46.817659612139	-24.174558389849	VS	70	1	-46.768447284479	-24.172754575926	VS	100	1
-46.817414144702	-24.174716575272	VS	70	1	-46.768429708479	-24.174229393744	VS	100	1
-46.817349482031	-24.174846540302	VS	70	1	-46.768345037651	-24.173533757253	VS	100	1
-46.817594854136	-24.175014019164	VS	70	1	-46.76814206	-24.17298390521	VS	100	1
-46.817852309831	-24.175186770438	VS	70	1	-46.768120671476	-24.174445796388	VS	100	1
-46.818103892695	-24.175352192291	VS	70	1	-46.767774133962	-24.171825150983	VS	100	1
-46.826156883879	-24.201746531621	VS	70	1	-46.767831086189	-24.17465312845	VS	100	1
-46.832172835855	-24.186675537848	VS	70	1	-46.767785726365	-24.173124803182	VS	100	1
-46.876238660666	-24.217978180003	VS	100	1	-46.76775806325	-24.173235178554	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.832994441939	-24.187190146318	VS	70	1	-46.767571189523	-24.171960476974	VS	100	1
-46.831914002731	-24.186900387704	VS	70	1	-46.767541197508	-24.174842546418	VS	100	1
-46.833464198996	-24.186200381671	VS	70	1	-46.76744934844	-24.173451399608	VS	100	1
-46.833726758328	-24.186456009195	VS	70	1	-46.76736846124	-24.172104716075	VS	100	1
-46.749126958212	-24.160883482287	VS	100	1	-46.767357670898	-24.174968800812	VS	100	1
-46.908639847069	-24.229792294246	VS	100	1	-46.838196851656	-24.199929565728	VS	70	1
-46.908446250829	-24.22958536191	VS	100	1	-46.83748122282	-24.198691309666	VS	70	1
-46.908248806783	-24.229368723062	VS	100	1	-46.837174129677	-24.198542533999	VS	70	1
-46.908001646342	-24.229088323204	VS	100	1	-46.895051478517	-24.24444761988	VS	100	1
-46.907551603096	-24.228587440269	VS	100	1	-46.767165676625	-24.172239937679	VS	100	1
-46.907604899188	-24.228438071881	VS	100	1	-46.767193497094	-24.175086027532	VS	100	1
-46.907332433683	-24.228637595184	VS	100	1	-46.767150010947	-24.173667817551	VS	100	1
-46.906892306745	-24.228754735004	VS	100	1	-46.767081773699	-24.17160722454	VS	100	1
-46.907088047661	-24.228815666078	VS	100	1	-46.766991166996	-24.172375656684	VS	100	1
-46.906852627464	-24.228982400593	VS	100	1	-46.76691041321	-24.172675659359	VS	100	1
-46.90713666002	-24.22902904666	VS	100	1	-46.766873045881	-24.173161246533	VS	100	1
-46.907356150962	-24.229272861467	VS	100	1	-46.766870014305	-24.173857103736	VS	100	1
-46.90758070059	-24.229526072352	VS	100	1	-46.766821073933	-24.17178753623	VS	100	1
-46.907763294815	-24.228824570534	VS	100	1	-46.766745658783	-24.174928819274	VS	100	1
-46.8425171498	-24.213742185349	VS	70	1	-46.766640812851	-24.172553321622	VS	100	1
-46.870516374726	-24.232077967967	VS	100	1	-46.76656989662	-24.171958898247	VS	100	1
-46.928408659681	-24.21789836984	VS	100	1	-46.766599625492	-24.174046458161	VS	100	1
-46.928103103487	-24.218125705839	VS	100	1	-46.766554302796	-24.174771242092	VS	100	1
-46.927797560692	-24.218340237597	VS	100	1	-46.766477910707	-24.171483778447	VS	100	1
-46.927489192603	-24.218562258043	VS	100	1	-46.766337018769	-24.172121861271	VS	100	1
-46.927198011459	-24.218779589563	VS	100	1	-46.766334167189	-24.172385425168	VS	100	1
-46.764703771318	-24.167943568433	VS	100	1	-46.766329256142	-24.174235794521	VS	100	1
-46.762483012059	-24.165735853722	VS	100	1	-46.766207527027	-24.171673132828	VS	100	1
-46.763369127862	-24.166192213913	VS	100	1	-46.766138960715	-24.174594236176	VS	100	1
-46.763126024587	-24.1660687518	VS	70	1	-46.766039484691	-24.171210439916	VS	100	1
-46.781185195083	-24.165789743562	VS	100	1	-46.766009280163	-24.172234583227	VS	100	1
-46.78090510993	-24.165988208525	VS	100	1	-46.766030246498	-24.174451993553	VS	100	1
-46.7806249471	-24.16617766402	VS	100	1	-46.765927413635	-24.17186249551	VS	100	1
-46.780354395764	-24.166358108096	VS	100	1	-46.76590432487	-24.174455171643	VS	100	1
-46.780064797004	-24.166565494574	VS	100	1	-46.765759498244	-24.171408776425	VS	100	1
-46.779823247213	-24.16672788945	VS	100	1	-46.765768094666	-24.172104117985	VS	100	1
-46.772815262482	-24.170853736804	VS	100	1	-46.76574905171	-24.172526933652	VS	100	1
-46.773513370591	-24.16804146339	VS	100	1	-46.765636978954	-24.172075714259	VS	100	1
-46.774475234837	-24.170440344908	VS	100	1	-46.765517300185	-24.172698274946	VS	100	1
-46.774144886711	-24.170656026308	VS	100	1	-46.765499257024	-24.171927850361	VS	100	1
-46.773845158776	-24.170867517116	VS	100	1	-46.765479304341	-24.17159819914	VS	100	1
-46.773565223087	-24.17106584387	VS	100	1	-46.765338550577	-24.172277142975	VS	100	1
-46.773140318271	-24.17115487829	VS	100	1	-46.765266440508	-24.172869435874	VS	100	1
-46.772799857326	-24.171005258843	VS	100	1	-46.765182791896	-24.171840106855	VS	100	1
-46.772925231669	-24.170772818428	VS	100	1	-46.765098055701	-24.171148760173	VS	100	1
-46.773804758403	-24.167851432717	VS	100	1	-46.765058349705	-24.172475616079	VS	100	1
-46.77403066384	-24.167880936438	VS	100	1	-46.765011876225	-24.171663677428	VS	100	1
-46.774328484657	-24.168021498279	VS	100	1	-46.838433990797	-24.200551116762	VS	70	1
-46.775460810682	-24.166819612532	VS	100	1	-46.83810005927	-24.200382926683	VS	70	1
-46.775289789087	-24.1667972327	VS	100	1	-46.764995801309	-24.173058942724	VS	100	1
-46.775111171701	-24.166655012969	VS	100	1	-46.76491016663	-24.172021687932	VS	100	1
-46.781445035769	-24.162466318628	VS	70	1	-46.764818228886	-24.171346991046	VS	100	1
-46.781150015273	-24.162472137989	VS	70	1	-46.764777874332	-24.171545464512	VS	100	1
-46.781672489157	-24.162310931438	VS	70	1	-46.76475894566	-24.172683020681	VS	100	1
-46.775825454987	-24.151980515135	VS	70	1	-46.764735015857	-24.173239292843	VS	100	1
-46.774985151197	-24.153130619442	VS	100	1	-46.764668856442	-24.172192942299	VS	100	1
-46.774717187163	-24.153310802933	VS	100	1	-46.764489510301	-24.171572638801	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.777121986157	-24.152070602121	VS	70	1	-46.764497961991	-24.171389487899	VS	100	1
-46.776823781034	-24.151912205708	VS	70	1	-46.764493446395	-24.173401659073	VS	100	1
-46.776524829191	-24.151744583064	VS	70	1	-46.764469541624	-24.172890215971	VS	100	1
-46.77669527713	-24.15187599723	VS	100	1	-46.764446908295	-24.172355169381	VS	100	1
-46.776493155008	-24.152036895122	VS	100	1	-46.729004025738	-24.143215712463	VS	70	1
-46.776438286986	-24.152302220222	VS	70	1	-46.837758436905	-24.200218213113	VS	70	1
-46.776098842132	-24.152127199045	VS	70	1	-46.837453744035	-24.200068962307	VS	70	1
-46.776197040928	-24.152236902085	VS	100	1	-46.837151052396	-24.199923182843	VS	70	1
-46.775988276442	-24.15238255879	VS	100	1	-46.838034341729	-24.200188760255	VS	70	1
-46.775521263438	-24.152457051086	VS	70	1	-46.836344113584	-24.201926831116	VS	100	1
-46.768640869396	-24.171622798889	VS	100	1	-46.836652331075	-24.202085052827	VS	100	1
-46.776532050608	-24.176303037556	VS	100	1	-46.837385819322	-24.202454178629	VS	70	1
-46.77623956908	-24.176157874633	VS	100	1	-46.837716021403	-24.202612332913	VS	70	1
-46.775972176549	-24.176008863538	VS	100	1	-46.836327464743	-24.20303150867	VS	70	1
-46.775662425739	-24.17588945602	VS	100	1	-46.839228119108	-24.202337147746	VS	100	1
-46.775406307879	-24.175748149798	VS	100	1	-46.840506362999	-24.201604906318	VS	100	1
-46.775274124271	-24.175903607716	VS	100	1	-46.839849363417	-24.20266867818	VS	100	1
-46.775010865582	-24.176101019586	VS	100	1	-46.728716351593	-24.14343132747	VS	70	1
-46.774798522664	-24.1762542971	VS	100	1	-46.727764249006	-24.143559084254	VS	70	1
-46.774653762133	-24.176352146746	VS	100	1	-46.731635106819	-24.144782076671	VS	70	1
-46.774510201857	-24.176405257771	VS	100	1	-46.731927659294	-24.144577203638	VS	70	1
-46.774171790996	-24.176237124398	VS	100	1	-46.732185430921	-24.14439451611	VS	70	1
-46.77507789761	-24.175582513914	VS	100	1	-46.729222632014	-24.143062124603	VS	70	1
-46.77502257639	-24.175464910747	VS	100	1	-46.729511912883	-24.142846003538	VS	70	1
-46.774831845951	-24.175584483702	VS	100	1	-46.730071621712	-24.142440538531	VS	70	1
-46.774388230089	-24.175898599568	VS	100	1	-46.730351572014	-24.142242265869	VS	70	1
-46.774126363875	-24.176095471401	VS	100	1	-46.730639953143	-24.142307584849	VS	70	1
-46.7739279524	-24.176230363748	VS	100	1	-46.730397873546	-24.142041223115	VS	70	1
-46.773694611187	-24.176403774525	VS	100	1	-46.839540169406	-24.202501906431	VS	100	1
-46.77477151315	-24.175372717	VS	100	1	-46.788045612577	-24.156299558662	VS	100	1
-46.774095812976	-24.175610383192	VS	100	1	-46.788196535658	-24.156532985359	VS	100	1
-46.77358508561	-24.17593579616	VS	100	1	-46.78786461385	-24.156015551094	VS	100	1
-46.773352228151	-24.175799360878	VS	100	1	-46.729099246433	-24.142402810229	VS	70	1
-46.773074024212	-24.175662747957	VS	100	1	-46.729388810503	-24.142195550238	VS	70	1
-46.773470385581	-24.175683364623	VS	100	1	-46.729688077019	-24.141979230636	VS	70	1
-46.773744287657	-24.175465415925	VS	100	1	-46.728790445303	-24.142628074823	VS	70	1
-46.774053446076	-24.175265728433	VS	100	1	-46.728440794498	-24.143620839595	VS	70	1
-46.774174604763	-24.17506228178	VS	100	1	-46.728170635666	-24.143819039981	VS	70	1
-46.774473941101	-24.175222324973	VS	100	1	-46.72796590164	-24.14378961643	VS	70	1
-46.773241112658	-24.175839523563	VS	100	1	-46.727919825162	-24.144008244097	VS	70	1
-46.867099294949	-24.219654051503	VS	100	1	-46.727649674575	-24.144206443599	VS	70	1
-46.86729420831	-24.220162480594	VS	100	1	-46.727398933695	-24.144395576506	VS	70	1
-46.872293676047	-24.204065035296	VS	100	1	-46.727089890804	-24.144611931843	VS	70	1
-46.872080310072	-24.203810275004	VS	100	1	-46.728082756613	-24.145523824461	VS	70	1
-46.871847655015	-24.203544027039	VS	100	1	-46.727812388883	-24.145713101674	VS	70	1
-46.872418045882	-24.203147854318	VS	100	1	-46.787699199191	-24.155753693379	VS	100	1
-46.872619990065	-24.203412636952	VS	100	1	-46.739098870454	-24.155100456454	VS	100	1
-46.87286325111	-24.2036768274	VS	100	1	-46.727542234123	-24.145911300427	VS	70	1
-46.873884786423	-24.203851735624	VS	100	1	-46.728642655881	-24.145127315154	VS	70	1
-46.873652328225	-24.203577119126	VS	100	1	-46.724965803727	-24.14432848817	VS	70	1
-46.873411045392	-24.203294211307	VS	100	1	-46.72478418812	-24.144115652813	VS	70	1
-46.775849153225	-24.152632970253	VS	70	1	-46.724604383073	-24.143910413904	VS	70	1
-46.77616698489	-24.152791218647	VS	70	1	-46.724467890468	-24.143756587388	VS	70	1
-46.769347412284	-24.156589041102	VS	100	1	-46.72426163994	-24.143532458309	VS	70	1
-46.769904075537	-24.156888260657	VS	100	1	-46.728616919997	-24.145477442836	VS	70	1
-46.770227864952	-24.156565071891	VS	100	1	-46.72837474298	-24.145193639358	VS	70	1
-46.770941651772	-24.15604241256	VS	100	1	-46.730611696724	-24.142044266497	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.826113832327	-24.205213669381	VS	100	1	-46.728258014166	-24.144108798966	VS	70	1
-46.826511086923	-24.205401574228	VS	100	1	-46.769595413179	-24.174113585955	VS	100	1
-46.826751720273	-24.205559358536	VS	70	1	-46.769325203818	-24.174311876092	VS	100	1
-46.82628319857	-24.205256302006	VS	70	1	-46.769054826969	-24.174501226516	VS	100	1
-46.826377212352	-24.205119205426	VS	70	1	-46.768533474299	-24.174870863324	VS	100	1
-46.826563876166	-24.204805132686	VS	70	1	-46.76830180078	-24.175042174913	VS	100	1
-46.826665506512	-24.204638230434	VS	70	1	-46.768050501316	-24.175208441656	VS	100	1
-46.826832405759	-24.204366197666	VS	70	1	-46.767851973979	-24.175380340352	VS	100	1
-46.827112207053	-24.204282956936	VS	70	1	-46.767580177857	-24.173013732068	VS	100	1
-46.827469293201	-24.204457973028	VS	70	1	-46.767384604477	-24.172914550165	VS	100	1
-46.827801137957	-24.204617888287	VS	70	1	-46.767170870255	-24.172812419845	VS	100	1
-46.827833805868	-24.204383871073	VS	70	1	-46.76836678467	-24.17212098369	VS	100	1
-46.828055272109	-24.204185281664	VS	70	1	-46.840503162576	-24.200193988707	VS	70	1
-46.827563881378	-24.204635082755	VS	70	1	-46.841436044558	-24.201250574945	VS	70	1
-46.827452334	-24.204940930559	VS	70	1	-46.841606352724	-24.200981455196	VS	70	1
-46.827319988915	-24.205284354527	VS	70	1	-46.841270836668	-24.201524855869	VS	70	1
-46.826794299925	-24.204132177365	VS	70	1	-46.841825363028	-24.200861892313	VS	70	1
-46.826466172583	-24.203965663249	VS	70	1	-46.842153222001	-24.201019945958	VS	70	1
-46.82700482744	-24.204084858315	VS	70	1	-46.843252775154	-24.200377787956	VS	70	1
-46.826138141512	-24.203988479076	VS	70	1	-46.843109566108	-24.200612893246	VS	70	1
-46.826343199555	-24.203361774948	VS	70	1	-46.768113560202	-24.172294256926	VS	100	1
-46.826293858042	-24.203709702579	VS	70	1	-46.767809436372	-24.172494153177	VS	100	1
-46.826139963936	-24.203799120021	VS	70	1	-46.767558374586	-24.172674499582	VS	100	1
-46.792794904946	-24.160644404566	VS	70	1	-46.767153035224	-24.172962908295	VS	100	1
-46.792964001838	-24.16065589189	VS	70	1	-46.766409494824	-24.173476811947	VS	100	1
-46.793146853112	-24.160876177558	VS	70	1	-46.766167896803	-24.173639189259	VS	100	1
-46.792567371148	-24.1608116729	VS	70	1	-46.765936343703	-24.173810419339	VS	100	1
-46.792329163008	-24.160977816445	VS	70	1	-46.765723791109	-24.173954725026	VS	100	1
-46.792097664443	-24.1611490856	VS	70	1	-46.765600977555	-24.174285507854	VS	100	1
-46.791865957303	-24.16131142292	VS	70	1	-46.765477946673	-24.174119164689	VS	100	1
-46.79181168731	-24.16160177387	VS	70	1	-46.765338811651	-24.174129665076	VS	100	1
-46.791624373013	-24.16146481367	VS	70	1	-46.76505442372	-24.173986420546	VS	100	1
-46.791350067547	-24.161629245614	VS	70	1	-46.842939545183	-24.200890831745	VS	70	1
-46.791084764483	-24.16181905282	VS	70	1	-46.842778903311	-24.201150849699	VS	70	1
-46.793728775515	-24.159988776141	VS	70	1	-46.840831344703	-24.200361042812	VS	70	1
-46.791542026917	-24.161244544995	VS	70	1	-46.841159633425	-24.200536944065	VS	70	1
-46.842072631166	-24.213228109478	VS	70	1	-46.841497312932	-24.200694924848	VS	70	1
-46.842274825509	-24.213467454631	VS	70	1	-46.841936493802	-24.20042579781	VS	70	1
-46.763786317109	-24.161071591503	VS	100	1	-46.841766470849	-24.200703734686	VS	70	1
-46.761257148033	-24.16510116102	VS	100	1	-46.840372209622	-24.200667308268	VS	100	1
-46.763154105486	-24.160747591066	VS	100	1	-46.76483785878	-24.173848353197	VS	100	1
-46.760959657423	-24.164951046463	VS	100	1	-46.764765836838	-24.173827822383	VS	100	1
-46.776820778987	-24.156762934098	VS	70	1	-46.76518599558	-24.173628537642	VS	100	1
-46.777428195847	-24.156325420317	VS	70	1	-46.765505054996	-24.173411933269	VS	100	1
-46.777735165679	-24.156099179561	VS	70	1	-46.765794389378	-24.173204761057	VS	100	1
-46.778015089924	-24.155900813223	VS	70	1	-46.766074159119	-24.17300657217	VS	100	1
-46.778319948145	-24.155684033097	VS	70	1	-46.76634473711	-24.172817088544	VS	100	1
-46.778584566698	-24.155495077407	VS	70	1	-46.764477568174	-24.173669430944	VS	100	1
-46.778891070517	-24.15527033557	VS	70	1	-46.768774835944	-24.174699577183	VS	100	1
-46.779173550216	-24.155080196718	VS	70	1	-46.76673884104	-24.171303320477	VS	100	1
-46.778151084253	-24.155689946036	VS	70	1	-46.76420679976	-24.171779569278	VS	100	1
-46.777913072342	-24.155415158581	VS	70	1	-46.763891085213	-24.171991386784	VS	100	1
-46.777644364659	-24.15546000995	VS	70	1	-46.763890388335	-24.172064781272	VS	100	1
-46.777606366693	-24.155069739935	VS	70	1	-46.839871773991	-24.201281191611	VS	70	1
-46.777955729636	-24.155241355301	VS	70	1	-46.843124157089	-24.200155829227	VS	100	1
-46.77801942924	-24.15520257738	VS	70	1	-46.842766197277	-24.199971231996	VS	100	1
-46.778332768341	-24.154984805975	VS	70	1	-46.839077773245	-24.203315298762	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.778637527022	-24.154762603699	VS	70	1	-46.838958902771	-24.203019869635	VS	70	1
-46.778943698291	-24.154540439835	VS	70	1	-46.838738227498	-24.203138750973	VS	100	1
-46.831039810585	-24.192927111649	VS	100	1	-46.837577147004	-24.203288240704	VS	70	1
-46.822627652968	-24.185813549969	VS	100	1	-46.763691614689	-24.171432108231	VS	100	1
-46.827517069597	-24.188477993922	VS	70	1	-46.763430502893	-24.17160693868	VS	100	1
-46.830800098246	-24.193324598944	VS	100	1	-46.763173139748	-24.170680764535	VS	100	1
-46.832344627087	-24.193003991148	VS	100	1	-46.7627899336	-24.17057170352	VS	100	1
-46.832209096362	-24.193237879737	VS	100	1	-46.762558338842	-24.171350477762	VS	100	1
-46.829772220641	-24.195051543137	VS	100	1	-46.762468396324	-24.170230404053	VS	100	1
-46.829309028804	-24.195795708993	VS	100	1	-46.762427468372	-24.171638308385	VS	100	1
-46.839696610449	-24.197204075857	VS	100	1	-46.766309927578	-24.171021051333	VS	100	1
-46.839744573443	-24.19733879954	VS	100	1	-46.76566763128	-24.17074309715	VS	100	1
-46.839451668966	-24.197813991552	VS	100	1	-46.765387861651	-24.170950355478	VS	100	1
-46.839300847599	-24.198073931486	VS	100	1	-46.764723773583	-24.170678607184	VS	100	1
-46.839140414336	-24.198342876889	VS	100	1	-46.764277660744	-24.173556646291	VS	100	1
-46.838803185833	-24.198887820801	VS	100	1	-46.764215946372	-24.171245731548	VS	100	1
-46.846983115502	-24.202714419911	VS	70	1	-46.838392089028	-24.202972715275	VS	100	1
-46.845684398869	-24.204197677546	VS	100	1	-46.76419573702	-24.172526527141	VS	100	1
-46.845451796049	-24.204085158345	VS	100	1	-46.764169899169	-24.17308872319	VS	100	1
-46.845103213885	-24.203911027626	VS	100	1	-46.764161560919	-24.17353861218	VS	100	1
-46.83220031719	-24.204370333353	VS	70	1	-46.763944771306	-24.172706806537	VS	100	1
-46.837873956264	-24.200456659138	VS	70	1	-46.763891185292	-24.173290561851	VS	100	1
-46.832315213612	-24.199269011708	VS	70	1	-46.763863438636	-24.173351050602	VS	100	1
-46.832126401384	-24.199582773742	VS	70	1	-46.763683584599	-24.171949938034	VS	100	1
-46.831937464423	-24.199896712336	VS	70	1	-46.763605550693	-24.169988122074	VS	100	1
-46.831786836505	-24.200165565025	VS	70	1	-46.763408192139	-24.172329871997	VS	100	1
-46.832828333397	-24.200444045335	VS	100	1	-46.763395639799	-24.171791725437	VS	100	1
-46.832262049794	-24.201394325348	VS	70	1	-46.763335383426	-24.170186384626	VS	100	1
-46.873173151783	-24.203036397654	VS	100	1	-46.843471978184	-24.200331511174	VS	70	1
-46.872951479603	-24.202769114839	VS	100	1	-46.84379984804	-24.200489570636	VS	70	1
-46.874441436189	-24.203414842545	VS	100	1	-46.844108074027	-24.200647778002	VS	70	1
-46.874221830132	-24.203179715711	VS	100	1	-46.844465682063	-24.200823355679	VS	70	1
-46.874002475625	-24.202885898636	VS	100	1	-46.843834361456	-24.20186967386	VS	70	2
-46.873743824941	-24.202628235066	VS	100	1	-46.844439687663	-24.202179897072	VS	70	1
-46.873520721028	-24.20235563959	VS	100	1	-46.844787729068	-24.202346900188	VS	70	1
-46.875583083885	-24.202633181055	VS	100	1	-46.878448319756	-24.2101596175	VS	70	1
-46.875357204639	-24.202350792915	VS	100	1	-46.878680912694	-24.210434367789	VS	70	1
-46.87510259639	-24.202071646781	VS	100	1	-46.763251887037	-24.171053613458	VS	100	1
-46.874868703831	-24.201816513837	VS	100	1	-46.763189186905	-24.171787260065	VS	100	1
-46.874630759258	-24.201517865709	VS	100	1	-46.763098880483	-24.17254976338	VS	100	1
-46.874101418306	-24.201941020886	VS	100	1	-46.763086809964	-24.171624113881	VS	100	1
-46.874325504506	-24.202215797133	VS	100	1	-46.762954513861	-24.17057256064	VS	100	1
-46.874549071035	-24.202480803291	VS	100	1	-46.762957569203	-24.171949459142	VS	100	1
-46.874791042496	-24.202764656779	VS	100	1	-46.762919734438	-24.171286780173	VS	100	1
-46.875023656178	-24.203030836492	VS	100	1	-46.76279881671	-24.171483461294	VS	100	1
-46.876763845287	-24.201785821026	VS	100	1	-46.762685483628	-24.171464141932	VS	100	1
-46.876542232294	-24.201513450208	VS	100	1	-46.762677577395	-24.172147780062	VS	100	1
-46.876292978542	-24.20124106016	VS	100	1	-46.762505041921	-24.170772385378	VS	100	1
-46.876066597549	-24.200976385843	VS	100	1	-46.781032458134	-24.141548395331	VS	100	1
-46.875833904663	-24.200692858121	VS	100	1	-46.779599324852	-24.141448754786	VS	70	1
-46.847349824971	-24.209852752447	VS	100	1	-46.77983537918	-24.141881420547	VS	70	1
-46.779252634316	-24.154319623056	VS	70	1	-46.798900607981	-24.157885688728	VS	70	1
-46.779562460064	-24.154104879722	VS	70	1	-46.896076492389	-24.235566831634	VS	70	1
-46.779733091089	-24.154674604157	VS	70	1	-46.895797518957	-24.235756723405	VS	70	1
-46.839014727758	-24.163796057304	VS	100	1	-46.896109851699	-24.234337486326	VS	100	1
-46.838601760955	-24.168195109187	VS	100	1	-46.784650694814	-24.176545693458	VS	100	1
-46.838844499117	-24.167972173633	VS	100	1	-46.784359580733	-24.17640610068	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.834654631345	-24.162509279296	VS	100	1	-46.784064064756	-24.176246496777	VS	100	1
-46.830313855898	-24.163884304296	VS	100	1	-46.784521941999	-24.17527647126	VS	100	1
-46.908173628378	-24.243665615103	VS	100	1	-46.780290540347	-24.175011599927	VS	250	1
-46.907941520661	-24.243379062819	VS	100	1	-46.780573789264	-24.175144174844	VS	250	1
-46.908382131349	-24.241483945863	VS	100	1	-46.782947803392	-24.176296825464	VS	100	1
-46.743191389151	-24.160485380856	VS	100	1	-46.78274577273	-24.176434415968	VS	100	1
-46.743504259784	-24.160654781061	VS	100	1	-46.78253351792	-24.176587626608	VS	100	1
-46.743887232337	-24.160855160638	VS	100	1	-46.782163840253	-24.17591809077	VS	250	1
-46.744225059418	-24.161031171172	VS	100	1	-46.780817815501	-24.175240122213	VS	250	1
-46.743048711331	-24.15848453893	VS	100	1	-46.784256742421	-24.177025302322	VS	100	1
-46.743297608602	-24.158625627426	VS	100	1	-46.783277328074	-24.167112224629	VS	70	1
-46.743566126092	-24.158775368807	VS	100	1	-46.784383800811	-24.168124524652	VS	70	1
-46.743834643961	-24.158925118805	VS	100	1	-46.784169445637	-24.167873397384	VS	70	1
-46.744142835929	-24.159092421254	VS	100	1	-46.788877848837	-24.167366235002	VS	70	1
-46.744410813271	-24.159233040663	VS	100	1	-46.789261766971	-24.167592771678	VS	70	1
-46.830401408649	-24.165593764706	VS	100	1	-46.789453992563	-24.167832245486	VS	70	1
-46.831597947258	-24.164100160019	VS	100	1	-46.789704060109	-24.168119263055	VS	70	1
-46.831856333664	-24.16430812963	VS	100	1	-46.784498393049	-24.177153932818	VS	100	1
-46.832074338163	-24.164498692494	VS	100	1	-46.729698469242	-24.152655688668	VS	100	1
-46.832290839569	-24.164678079074	VS	100	1	-46.727706556848	-24.152392237115	VS	100	1
-46.832333623329	-24.164443009803	VS	100	1	-46.729380465578	-24.152500012718	VS	100	1
-46.832077417498	-24.16468083011	VS	100	1	-46.864266381693	-24.212795468578	VS	100	1
-46.82296633735	-24.153569255485	VS	100	1	-46.864468807302	-24.213043648753	VS	100	1
-46.875254424021	-24.201098744743	VS	100	1	-46.864246148297	-24.213495982995	VS	100	1
-46.875496966252	-24.20138226085	VS	100	1	-46.863985555998	-24.21368546876	VS	100	1
-46.875721730213	-24.201636694545	VS	100	1	-46.863699793688	-24.213886260993	VS	100	1
-46.875949811785	-24.201952619801	VS	100	1	-46.862819834111	-24.212459002536	VS	70	1
-46.87616210991	-24.202226668404	VS	100	1	-46.862536328529	-24.212665750753	VS	70	1
-46.828273014828	-24.193258816984	VS	70	1	-46.864658642973	-24.214106896427	VS	70	1
-46.854937164759	-24.22063405265	VS	100	1	-46.85875016392	-24.213771306023	VS	70	1
-46.86152092163	-24.22294114188	VS	100	1	-46.858400072242	-24.21346627077	VS	70	1
-46.861288769711	-24.215595865261	VS	100	1	-46.858005142732	-24.213027086428	VS	70	1
-46.777966674158	-24.149328936301	VS	70	1	-46.852096841854	-24.21333567434	VS	70	1
-46.770266612792	-24.176348206961	VS	100	1	-46.853702259426	-24.215166905374	VS	100	1
-46.770148413981	-24.176435890098	VS	100	1	-46.854010543284	-24.215325099107	VS	70	1
-46.778028716913	-24.179610770068	VS	250	1	-46.855348750904	-24.215288732922	VS	70	1
-46.8196955590905	-24.197102997619	VS	100	1	-46.85452518167	-24.218300890059	VS	70	1
-46.819598073426	-24.194382363777	VS	70	1	-46.854322386439	-24.218449051182	VS	70	1
-46.812592862443	-24.199604392127	VS	100	1	-46.853327919495	-24.219152840435	VS	70	1
-46.82614003526	-24.172720713884	VS	70	1	-46.854785412599	-24.218295200696	VS	70	1
-46.826201617509	-24.172891985356	VS	70	1	-46.86588019183	-24.217275294508	VS	70	1
-46.825930688532	-24.172989864855	VS	70	1	-46.866126602134	-24.217097709665	VS	70	1
-46.825750050822	-24.173229337363	VS	70	1	-46.838760024797	-24.204454955615	VS	100	1
-46.825531127575	-24.173519385693	VS	70	1	-46.839068381989	-24.204613096032	VS	100	1
-46.825330655368	-24.17376793377	VS	70	1	-46.84010167995	-24.205129487099	VS	100	1
-46.825130880834	-24.174022189755	VS	70	1	-46.84049969138	-24.205325122926	VS	100	1
-46.824931207339	-24.174291414804	VS	70	1	-46.840736542847	-24.205443527033	VS	100	1
-46.825355842377	-24.175986988672	VS	70	1	-46.841058777915	-24.205603107338	VS	100	1
-46.825045295163	-24.175780118642	VS	70	1	-46.841394106437	-24.204467693263	VS	100	1
-46.827017393628	-24.177060693811	VS	70	1	-46.84354367102	-24.199886781603	VS	70	1
-46.827316372489	-24.177245767065	VS	70	1	-46.84339242137	-24.20012888052	VS	70	1
-46.832127741073	-24.179953925755	VS	70	1	-46.840826420964	-24.201768276442	VS	100	1
-46.831944563155	-24.162665672245	VS	70	1	-46.840172018144	-24.201433526233	VS	100	1
-46.832164793184	-24.162842419822	VS	70	1	-46.841960341435	-24.20251589231	VS	100	1
-46.832385023835	-24.163019167159	VS	70	1	-46.838979557909	-24.198593976533	VS	100	1
-46.831673797027	-24.162426898825	VS	70	1	-46.831236875157	-24.19292738119	VS	70	1
-46.831453568414	-24.162250150719	VS	70	1	-46.831555330499	-24.193085782677	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.831774311735	-24.179858215708	VS	70	1	-46.83191245259	-24.193261147279	VS	70	1
-46.834603007226	-24.185845703678	VS	70	1	-46.826520884902	-24.18702224265	VS	100	1
-46.799191386401	-24.158899302328	VS	70	1	-46.825315896136	-24.187505295364	VS	100	1
-46.789907854833	-24.163288091116	VS	70	1	-46.829367429758	-24.186921388581	VS	70	1
-46.7897738017	-24.163396415026	VS	70	1	-46.832168893389	-24.187878628427	VS	70	1
-46.786745562742	-24.170613181417	VS	100	1	-46.83189827342	-24.187622461886	VS	70	1
-46.875606328426	-24.215879047068	VS	100	1	-46.831616960168	-24.187356958912	VS	70	1
-46.879376770085	-24.224821412442	VS	100	1	-46.817743781655	-24.1702254139	VS	70	1
-46.832080004189	-24.190681498653	VS	70	1	-46.817519919025	-24.169982973043	VS	70	1
-46.852377124105	-24.204840588986	VS	70	1	-46.817067049328	-24.169505540732	VS	70	1
-46.772158969749	-24.176599818259	VS	100	1	-46.817949085601	-24.170435806767	VS	70	1
-46.753302752203	-24.160336104249	VS	100	1	-46.821149677886	-24.175634728097	VS	70	1
-46.753341210986	-24.160426574456	VS	100	1	-46.815954890826	-24.184515351767	VS	100	1
-46.753072031369	-24.16028622449	VS	100	1	-46.815679021838	-24.184798045208	VS	70	1
-46.752695169626	-24.160083314516	VS	100	1	-46.815392327705	-24.18518278966	VS	70	1
-46.752047202098	-24.160264474915	VS	100	1	-46.817347110721	-24.182963472721	VS	250	1
-46.752181342955	-24.160421128439	VS	100	1	-46.817033941679	-24.182783011812	VS	250	1
-46.752432512595	-24.160550744991	VS	100	1	-46.815480009683	-24.17891812437	VS	70	1
-46.752667472009	-24.160678520685	VS	100	1	-46.81456264611	-24.178053640862	VS	70	1
-46.841842261541	-24.160111114884	VS	100	1	-46.814928464487	-24.178187272374	VS	70	1
-46.841677881837	-24.15980902052	VS	100	1	-46.815256623418	-24.178302854571	VS	70	1
-46.841534309204	-24.159525301139	VS	100	1	-46.814395667225	-24.178248085825	VS	70	1
-46.833814235203	-24.154897803024	VS	70	1	-46.814519284503	-24.178515400538	VS	70	1
-46.833535241305	-24.154757743176	VS	70	1	-46.815060636253	-24.178712904214	VS	70	1
-46.83324914852	-24.15460846355	VS	70	1	-46.815260597875	-24.178789799455	VS	70	1
-46.832910732898	-24.154465514985	VS	70	1	-46.894526118823	-24.239379389189	VS	100	1
-46.832591890656	-24.15430385182	VS	70	1	-46.920741323321	-24.224984287935	VS	70	1
-46.832212907251	-24.15411819162	VS	70	1	-46.921007783987	-24.224786613984	VS	70	1
-46.831961685968	-24.153971468844	VS	70	1	-46.921280469856	-24.224585481775	VS	70	1
-46.832027794158	-24.15386388514	VS	70	1	-46.921547569763	-24.224384361408	VS	70	1
-46.831310409823	-24.153664419253	VS	70	1	-46.92180653063	-24.224196402986	VS	70	1
-46.8309996555915	-24.153504353972	VS	70	1	-46.814135206528	-24.17838595414	VS	70	1
-46.830570263284	-24.155718687271	VS	70	1	-46.813861992753	-24.178284908783	VS	70	1
-46.830369892743	-24.155924016967	VS	70	1	-46.813590067276	-24.17819497903	VS	70	1
-46.830632374442	-24.155968339341	VS	70	1	-46.813358083455	-24.178009992219	VS	70	1
-46.830875391108	-24.156167394888	VS	70	1	-46.813290479053	-24.178612274191	VS	70	1
-46.757550615043	-24.159772475297	VS	100	1	-46.813661416884	-24.178743218599	VS	70	1
-46.831203182251	-24.162046808792	VS	70	1	-46.814355384083	-24.178984358067	VS	70	1
-46.831970968072	-24.162515140638	VS	70	1	-46.819112207744	-24.199845111113	VS	250	1
-46.832166522187	-24.162332822295	VS	70	1	-46.779877114438	-24.179217089672	VS	250	1
-46.832200290077	-24.162040731752	VS	70	1	-46.77976682042	-24.179174398486	VS	250	1
-46.832484687837	-24.162268877632	VS	70	1	-46.779458892082	-24.179024971701	VS	250	1
-46.832724979336	-24.162463313044	VS	70	1	-46.780124443028	-24.179350221104	VS	250	1
-46.833015635738	-24.162710896837	VS	70	1	-46.7800002703	-24.179392902635	VS	250	1
-46.832411861918	-24.162074507812	VS	70	1	-46.779840145268	-24.179679670015	VS	250	1
-46.925469421385	-24.208854748033	VS	100	1	-46.779670457695	-24.179975367996	VS	250	1
-46.924978446953	-24.209220460695	VS	100	1	-46.779509731088	-24.180235305487	VS	250	1
-46.894173317168	-24.238246935548	VS	100	1	-46.779568260082	-24.180366682441	VS	250	1
-46.89385845309	-24.238472333825	VS	100	1	-46.779806581979	-24.180480911351	VS	250	1
-46.893550678002	-24.238699861473	VS	100	1	-46.779240371069	-24.180199607662	VS	250	1
-46.89338731509	-24.238819306303	VS	100	1	-46.818871694961	-24.188353232325	VS	100	1
-46.893078576077	-24.239035779531	VS	100	1	-46.867773264242	-24.214264958032	VS	70	1
-46.89409154871	-24.238883187198	VS	100	1	-46.79765725605	-24.191587089713	VS	250	1
-46.893859363222	-24.238626351896	VS	100	1	-46.797658578135	-24.191344401985	VS	250	1
-46.893608882592	-24.238348608439	VS	100	1	-46.762656608888	-24.170414340329	VS	100	1
-46.893415262426	-24.238139250084	VS	100	1	-46.857189686626	-24.160335970603	VS	100	1
-46.893550481082	-24.239244680385	VS	100	1	-46.857506686767	-24.160129527094	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.893318249178	-24.238987779931	VS	100	1	-46.85670080787	-24.160683720468	VS	100	1
-46.893135967842	-24.238766140567	VS	100	1	-46.85687859678	-24.160556540369	VS	100	1
-46.892919891811	-24.238537429249	VS	100	1	-46.849621231427	-24.160403084658	VS	100	1
-46.858426498629	-24.222545323747	VS	70	1	-46.855853068144	-24.161296024802	VS	100	1
-46.858679229141	-24.222363859179	VS	70	1	-46.850190149762	-24.160191792521	VS	100	1
-46.858903188403	-24.222180979182	VS	70	1	-46.849872294443	-24.160231566773	VS	100	1
-46.860105360803	-24.221334058452	VS	70	1	-46.85015160457	-24.16002434732	VS	100	1
-46.859826062259	-24.221534872532	VS	70	1	-46.849978613148	-24.159970368847	VS	100	1
-46.859497565886	-24.221760574351	VS	70	1	-46.843488652172	-24.170651064908	VS	100	1
-46.85919815686	-24.221968160515	VS	70	1	-46.843234413007	-24.170443901257	VS	100	1
-46.757411898474	-24.159498829994	VS	100	1	-46.845612039862	-24.169796091765	VS	100	1
-46.75739483104	-24.15992699825	VS	100	1	-46.843756134488	-24.170869598518	VS	100	1
-46.757325592292	-24.160088683295	VS	100	1	-46.843851132867	-24.168813045227	VS	100	1
-46.757026799077	-24.159945170913	VS	100	1	-46.844054582336	-24.1689793033	VS	100	1
-46.756729335455	-24.159771898725	VS	100	1	-46.844012735655	-24.168533563196	VS	100	1
-46.756430666036	-24.1595955599284	VS	100	1	-46.84363439994	-24.168617617575	VS	100	1
-46.75611142605	-24.159424820607	VS	100	1	-46.847410955183	-24.169371678547	VS	100	1
-46.757131119258	-24.160100503003	VS	100	1	-46.844031205245	-24.167816386708	VS	100	1
-46.756866653923	-24.160286067034	VS	100	1	-46.846897752697	-24.169082532829	VS	100	1
-46.756772787818	-24.160409236372	VS	100	1	-46.847155052967	-24.169221142676	VS	100	1
-46.756985191563	-24.160525143976	VS	100	1	-46.848074253989	-24.170679755794	VS	100	1
-46.75722413488	-24.160657405635	VS	100	1	-46.848384223344	-24.170904552904	VS	100	1
-46.757462809521	-24.160789488191	VS	100	1	-46.847407023719	-24.164312475669	VS	250	1
-46.756380762098	-24.160809375835	VS	100	1	-46.847967110898	-24.165099906995	VS	250	1
-46.756708811724	-24.160985439506	VS	100	1	-46.846374040967	-24.165240392699	VS	100	1
-46.756313486735	-24.160687279048	VS	100	1	-46.847873626468	-24.16409354475	VS	250	1
-46.756549768812	-24.160474821878	VS	100	1	-46.846020859268	-24.165851011327	VS	100	1
-46.756438193038	-24.160216915916	VS	100	1	-46.846072881615	-24.165467483022	VS	100	1
-46.756129772322	-24.160040722747	VS	100	1	-46.846255134739	-24.164415762593	VS	100	1
-46.75600311915	-24.160606974495	VS	100	1	-46.846248772198	-24.166127814296	VS	100	1
-46.755976463193	-24.160919169547	VS	100	1	-46.84504390104	-24.164908896205	VS	100	1
-46.755664272704	-24.161140256492	VS	100	1	-46.847038434019	-24.163757005488	VS	100	1
-46.755762081243	-24.161113826288	VS	100	1	-46.845134247075	-24.164719523356	VS	100	1
-46.755474116962	-24.160964355807	VS	100	1	-46.844870783218	-24.164916010828	VS	100	1
-46.755195572781	-24.160805798332	VS	100	1	-46.844619375627	-24.164413764089	VS	100	1
-46.756050464417	-24.161272332508	VS	100	1	-46.844823938006	-24.164656796867	VS	100	1
-46.75670327362	-24.161617346048	VS	100	1	-46.72266150499	-24.142527283784	VS	100	1
-46.756991392689	-24.161768171146	VS	100	1	-46.726628074815	-24.141622342064	VS	100	1
-46.756997186883	-24.161143925766	VS	100	1	-46.723901255215	-24.141202387324	VS	100	1
-46.757295458349	-24.161302389756	VS	100	1	-46.722778219785	-24.142613563846	VS	100	1
-46.757814336202	-24.159596274285	VS	100	1	-46.72394745123	-24.141596750148	VS	100	1
-46.872649620856	-24.226147563158	VS	70	1	-46.723688972711	-24.141358073895	VS	100	1
-46.872379235521	-24.226337102458	VS	100	1	-46.721412220215	-24.144497861038	VS	100	1
-46.872204344384	-24.226362954508	VS	100	1	-46.724236558096	-24.14246823011	VS	100	1
-46.872070279895	-24.226553688711	VS	100	1	-46.861039967263	-24.217245125996	VS	70	1
-46.871790514378	-24.226761149031	VS	100	1	-46.861196022623	-24.216398731066	VS	70	1
-46.871529989421	-24.226941514196	VS	100	1	-46.799513095035	-24.16155275374	VS	100	1
-46.872483741	-24.226539247626	VS	100	1	-46.716679987732	-24.141609030481	VS	100	1
-46.872732937233	-24.226688960415	VS	100	1	-46.716965713357	-24.141409495599	VS	100	1
-46.873055621812	-24.226901619059	VS	100	1	-46.71636711814	-24.141832368107	VS	100	1
-46.873275355104	-24.226460768976	VS	100	1	-46.71638032128	-24.141995410014	VS	100	1
-46.873014535547	-24.226643635555	VS	100	1	-46.716118567326	-24.141861179776	VS	100	1
-46.8727735358772	-24.226816084968	VS	100	1	-46.717245099543	-24.141201190376	VS	100	1
-46.872503382603	-24.22700548631	VS	100	1	-46.843860059313	-24.207882950653	VS	70	1
-46.872223875169	-24.22720372163	VS	100	1	-46.794366109044	-24.186055056854	VS	250	1
-46.869249901903	-24.224717332159	VS	70	1	-46.794065256368	-24.185789637996	VS	250	1
-46.86896581508	-24.224909756713	VS	70	1	-46.793823088796	-24.185585570484	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.868695438059	-24.225099289349	VS	70	1	-46.793623998907	-24.185400355371	VS	250	1
-46.868425030505	-24.225288829599	VS	70	1	-46.793083778157	-24.184937066039	VS	250	1
-46.868154642117	-24.22547836078	VS	70	1	-46.792533003814	-24.182366320253	VS	250	1
-46.867903466255	-24.22564989411	VS	100	1	-46.792429274373	-24.182271347101	VS	250	1
-46.876161898261	-24.227696189747	VS	100	1	-46.727585521537	-24.127519340234	VS	70	1
-46.864182003242	-24.226185122518	VS	70	1	-46.808108384544	-24.149725424964	VS	70	1
-46.863873098613	-24.226410717266	VS	70	1	-46.811075532865	-24.14778525549	VS	70	1
-46.863563868155	-24.226618395988	VS	70	1	-46.810801268981	-24.147828176805	VS	70	1
-46.863255062318	-24.226843910776	VS	70	1	-46.81537451557	-24.179915167912	VS	70	1
-46.862946043095	-24.227060492856	VS	70	1	-46.816365122331	-24.180485162154	VS	70	1
-46.876422457484	-24.227506719427	VS	100	1	-46.816700487034	-24.180666513314	VS	70	1
-46.734456736829	-24.148442371814	VS	100	1	-46.817070740204	-24.180326679766	VS	70	1
-46.734696654918	-24.148628062339	VS	100	1	-46.816776662018	-24.180150476324	VS	70	1
-46.744754619665	-24.159415906174	VS	100	1	-46.816472782283	-24.179987031083	VS	70	1
-46.745093178678	-24.159597335194	VS	100	1	-46.816213403869	-24.1798404513	VS	70	1
-46.74525533759	-24.159673015609	VS	100	1	-46.815884989654	-24.179646785267	VS	70	1
-46.745551418482	-24.159826985963	VS	100	1	-46.815603786272	-24.179490534543	VS	70	1
-46.745865047853	-24.159999648214	VS	100	1	-46.815336971059	-24.179340620476	VS	70	1
-46.832004636858	-24.154572504373	VS	70	1	-46.789552348199	-24.15663857652	VS	100	1
-46.828392058318	-24.18548373717	VS	70	1	-46.800572427307	-24.161151190703	VS	70	1
-46.828783267118	-24.185555697838	VS	70	1	-46.800990118354	-24.160982552805	VS	70	1
-46.828275193333	-24.185978662484	VS	70	1	-46.816034600544	-24.179229445974	VS	70	1
-46.827979412331	-24.185927411876	VS	70	1	-46.817257963299	-24.179940846658	VS	70	1
-46.827839221844	-24.186412987608	VS	70	1	-46.789436968339	-24.185049123362	VS	250	1
-46.827528960518	-24.186385934849	VS	70	1	-46.887202619576	-24.23491919153	VS	100	1
-46.827256917969	-24.186331276409	VS	70	1	-46.886672068623	-24.235324872827	VS	100	1
-46.817848389248	-24.193620173691	VS	100	1	-46.788826511889	-24.182152090036	VS	250	1
-46.81765693163	-24.194012100825	VS	100	1	-46.789417289948	-24.182365151204	VS	150	1
-46.817506496876	-24.194308440921	VS	100	1	-46.789128436342	-24.182259662715	VS	100	1
-46.817444999114	-24.194439510583	VS	100	1	-46.800173883961	-24.161300421295	VS	70	1
-46.817388113985	-24.192585360448	VS	100	1	-46.728259551015	-24.143006566191	VS	70	1
-46.817082841522	-24.192543094839	VS	100	1	-46.858405199157	-24.209630900134	VS	70	1
-46.818275753075	-24.192513874929	VS	100	1	-46.907549152821	-24.230343627862	VS	70	1
-46.815256511609	-24.193196009797	VS	100	1	-46.907305136911	-24.230082021057	VS	70	1
-46.815375732506	-24.192971843168	VS	100	1	-46.908433423482	-24.231324473307	VS	70	1
-46.815336642968	-24.192755042954	VS	100	1	-46.908211211272	-24.231076429561	VS	70	1
-46.81498878401	-24.192579238421	VS	100	1	-46.896337461406	-24.244195700967	VS	70	1
-46.814713273921	-24.192439296393	VS	100	1	-46.900920678267	-24.232299023427	VS	70	1
-46.815763594252	-24.193498359458	VS	100	1	-46.900670746624	-24.232012235378	VS	70	1
-46.768998191475	-24.169820536009	VS	100	1	-46.900438294296	-24.231746422283	VS	70	1
-46.848559752256	-24.213780124493	VS	70	1	-46.900196007775	-24.231480686259	VS	70	1
-46.848556502998	-24.213849938456	VS	70	1	-46.89999247916	-24.23119666401	VS	70	1
-46.848718358525	-24.21404497832	VS	70	1	-46.899769845064	-24.230930772426	VS	70	1
-46.84892034623	-24.214275393368	VS	70	1	-46.899527561387	-24.230665035705	VS	70	1
-46.849142627069	-24.214532419088	VS	70	1	-46.89928491371	-24.23038156227	VS	70	1
-46.847417500839	-24.214670731366	VS	70	1	-46.866946793215	-24.229512190029	VS	100	1
-46.834127786341	-24.156331360299	VS	100	1	-46.867151682452	-24.229360913585	VS	70	1
-46.925443698394	-24.221364250559	VS	100	1	-46.821973275601	-24.190872416899	VS	100	1
-46.784957601557	-24.181286185331	VS	250	1	-46.870860528934	-24.214945010026	VS	100	1
-46.719046195236	-24.143370223576	VS	100	1	-46.833697206024	-24.206553246892	VS	100	1
-46.718882017925	-24.143287583663	VS	100	1	-46.833080878123	-24.207308247184	VS	100	1
-46.718493137457	-24.143091068653	VS	100	1	-46.831579429795	-24.207522769193	VS	100	1
-46.822217351583	-24.189059225744	VS	100	1	-46.903952101733	-24.228341404665	VS	70	1
-46.820612462213	-24.189901652329	VS	100	1	-46.870102273704	-24.216191351784	VS	70	1
-46.783489939654	-24.160164210669	VS	70	1	-46.86984132703	-24.215961423822	VS	70	1
-46.781596212508	-24.178465267888	VS	100	1	-46.909446788927	-24.245410297895	VS	100	1
-46.83209222641	-24.201681171282	VS	70	1	-46.905865800683	-24.24855135511	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.813488694266	-24.18663239115	VS	100	1	-46.905552017798	-24.248274382097	VS	100	1
-46.779411385446	-24.153488211358	VS	70	1	-46.905260986878	-24.247996957949	VS	100	1
-46.832493512718	-24.180058168615	VS	70	1	-46.905002521093	-24.247751004679	VS	100	1
-46.858155882259	-24.222725921786	VS	70	1	-46.899468222195	-24.235590348969	VS	100	1
-46.848530366715	-24.213666890025	VS	70	1	-46.835952729827	-24.197420651358	VS	100	1
-46.785674198372	-24.17376322121	VS	100	1	-46.835801681671	-24.197671663931	VS	100	1
-46.908329561619	-24.241183402828	VS	100	1	-46.835273027798	-24.198550202103	VS	100	1
-46.909471299802	-24.240285711392	VS	100	1	-46.804703977889	-24.196822836852	VS	100	1
-46.811010354193	-24.188911991819	VS	100	1	-46.804660679393	-24.197096942751	VS	100	1
-46.810089588253	-24.188098990676	VS	70	1	-46.804495702286	-24.196784915131	VS	100	1
-46.800970426937	-24.193205922997	VS	100	1	-46.804456396712	-24.196965086384	VS	100	1
-46.897199168383	-24.233516927426	VS	70	1	-46.804093564087	-24.197094554646	VS	100	1
-46.897720617413	-24.233123149405	VS	70	1	-46.803801294377	-24.197185955962	VS	100	1
-46.901949107876	-24.233513011321	VS	70	1	-46.803331093241	-24.19684458174	VS	100	1
-46.901670597342	-24.233346718027	VS	70	1	-46.803032884997	-24.197106298849	VS	100	1
-46.901411522339	-24.233197124263	VS	70	1	-46.802943855801	-24.196694945773	VS	100	1
-46.901112082709	-24.233012025037	VS	70	1	-46.836297019485	-24.207387607843	VS	100	1
-46.900823207888	-24.232844900845	VS	70	1	-46.806742619694	-24.196121078836	VS	100	1
-46.900499137163	-24.232664762528	VS	70	1	-46.806559881169	-24.195606408974	VS	100	1
-46.901319804902	-24.23304375778	VS	100	1	-46.806571468998	-24.196354362786	VS	100	1
-46.901639546364	-24.232259235906	VS	70	1	-46.806499451042	-24.195057406029	VS	100	1
-46.90139575368	-24.231969530773	VS	70	1	-46.806147672268	-24.195532800111	VS	100	1
-46.901166217804	-24.231683555037	VS	70	1	-46.80612946027	-24.19627191703	VS	100	1
-46.898898815661	-24.231682623767	VS	70	1	-46.806071658846	-24.195306767769	VS	100	1
-46.77847975258	-24.176898360329	VS	100	1	-46.805882150753	-24.195183290823	VS	100	1
-46.78389388776	-24.181607181257	VS	150	1	-46.8058238236	-24.195973142973	VS	100	1
-46.784065152598	-24.18132666785	VS	150	1	-46.805642927813	-24.195033414901	VS	100	1
-46.782929563011	-24.181200027391	VS	150	1	-46.805641008941	-24.195963333216	VS	100	1
-46.78310906598	-24.180904254481	VS	150	1	-46.805624594674	-24.196241670046	VS	100	1
-46.892363091418	-24.245988493529	VS	100	1	-46.805516935512	-24.196897637019	VS	100	1
-46.892159013147	-24.245765911141	VS	100	1	-46.805502215962	-24.197279000001	VS	100	1
-46.891954876329	-24.245543335983	VS	100	1	-46.805410894736	-24.195042678031	VS	100	1
-46.891751635149	-24.245308224831	VS	100	1	-46.805362854547	-24.196613273803	VS	100	1
-46.891534978805	-24.245066781724	VS	100	1	-46.805249565789	-24.195275870563	VS	100	1
-46.891322795779	-24.244827533178	VS	100	1	-46.805209332881	-24.196604875208	VS	100	1
-46.891110856565	-24.244597235393	VS	100	1	-46.80516314256	-24.195681546657	VS	100	1
-46.890928816332	-24.244384534883	VS	100	1	-46.805159424802	-24.196210063686	VS	100	1
-46.890736735789	-24.244162996935	VS	100	1	-46.805132469656	-24.195422007996	VS	100	1
-46.891455442271	-24.243970683521	VS	100	1	-46.804956435425	-24.195845633881	VS	100	1
-46.891662703613	-24.244211890498	VS	100	1	-46.80487081286	-24.195538580879	VS	100	1
-46.891864690154	-24.244441016749	VS	100	1	-46.804862793227	-24.197239504041	VS	100	1
-46.892091875465	-24.244684376058	VS	100	1	-46.804770064646	-24.195704724223	VS	100	1
-46.892281364226	-24.2444896708785	VS	100	1	-46.804622525425	-24.195277837555	VS	100	1
-46.892268090105	-24.245101205261	VS	100	1	-46.804478743686	-24.195822768307	VS	100	1
-46.853475054954	-24.212351498836	VS	70	1	-46.804439782277	-24.195029287856	VS	100	1
-46.8537052288	-24.212185745366	VS	70	1	-46.804409623736	-24.196620435534	VS	100	1
-46.853957827605	-24.21202145947	VS	70	1	-46.804217283203	-24.196225058573	VS	100	1
-46.853010914107	-24.212484913348	VS	70	1	-46.804178047519	-24.195976724905	VS	100	1
-46.852789079867	-24.212245775211	VS	70	1	-46.80406286129	-24.195923022911	VS	100	1
-46.852859972796	-24.212000086608	VS	70	1	-46.80391924239	-24.195665354755	VS	100	1
-46.853101099382	-24.211819737952	VS	70	1	-46.803856692801	-24.196104208375	VS	100	1
-46.853146916699	-24.211600927932	VS	70	1	-46.803774978046	-24.195380918609	VS	100	1
-46.853400187683	-24.211603290535	VS	70	1	-46.803666233685	-24.197355867058	VS	100	1
-46.8536797667	-24.211415478016	VS	70	1	-46.803505108047	-24.196241135274	VS	100	1
-46.852904347934	-24.211317297491	VS	70	1	-46.803513785542	-24.197130646453	VS	100	1
-46.852641836733	-24.211024782838	VS	70	1	-46.803348068151	-24.197227088653	VS	100	1
-46.852331187161	-24.21173329031	VS	70	1	-46.803286666444	-24.196628417698	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.852577574615	-24.212015853657	VS	70	1	-46.803189953252	-24.196857863224	VS	100	1
-46.85257249894	-24.212199367048	VS	70	1	-46.803176398829	-24.196248746593	VS	100	1
-46.852060945115	-24.2111418789618	VS	70	1	-46.803071839998	-24.195981859239	VS	100	1
-46.852095833316	-24.211229047852	VS	70	1	-46.802977093595	-24.195714890949	VS	100	1
-46.853272712591	-24.211717611569	VS	70	1	-46.802644719631	-24.196490407893	VS	100	1
-46.773766090286	-24.153387214336	VS	100	1	-46.802690691617	-24.197038569896	VS	100	1
-46.77346853262	-24.15322176112	VS	100	1	-46.80249958004	-24.196611272945	VS	100	1
-46.774362941359	-24.153696827315	VS	100	1	-46.802372349069	-24.196797167561	VS	100	1
-46.774064939369	-24.153538548275	VS	100	1	-46.804001198069	-24.195042571408	VS	250	1
-46.772956320167	-24.153564496015	VS	100	1	-46.803758742703	-24.195180570748	VS	250	1
-46.773726382812	-24.15403488009	VS	70	1	-46.803427659635	-24.195321227815	VS	250	1
-46.773445149223	-24.154247004878	VS	70	1	-46.806996950657	-24.196979424617	VS	250	1
-46.773167993729	-24.154441499381	VS	70	1	-46.778364940404	-24.1638435875	VS	70	1
-46.772979887839	-24.154570693828	VS	70	1	-46.782439198772	-24.163362503594	VS	70	1
-46.77292643607	-24.154785324871	VS	70	1	-46.782223817529	-24.163518884349	VS	70	1
-46.773135358816	-24.154901591635	VS	70	1	-46.779214324698	-24.163265244828	VS	70	1
-46.77266903422	-24.154798412412	VS	70	1	-46.778925736005	-24.163457367094	VS	70	1
-46.772359657539	-24.155023619795	VS	70	1	-46.778626639834	-24.163662387395	VS	70	1
-46.772091520542	-24.154955799365	VS	70	1	-46.778081071056	-24.163960070793	VS	70	1
-46.772374432635	-24.15511222104	VS	70	1	-46.777811077007	-24.164158268799	VS	70	1
-46.772186028232	-24.155148788189	VS	70	1	-46.777569519874	-24.164320669095	VS	70	1
-46.773981564049	-24.153851792602	VS	70	1	-46.777289634888	-24.164518988413	VS	70	1
-46.774226221235	-24.153673181929	VS	70	1	-46.777021391582	-24.164705134235	VS	70	1
-46.774483338907	-24.153491220018	VS	70	1	-46.806638112901	-24.196589504272	VS	100	1
-46.771573171638	-24.173760758491	VS	100	1	-46.806378716621	-24.196430643195	VS	100	1
-46.77142057598	-24.173949247064	VS	100	1	-46.78202184406	-24.163663464897	VS	100	1
-46.771229764343	-24.174182626512	VS	100	1	-46.781778125122	-24.163842158241	VS	100	1
-46.771077581004	-24.174388959005	VS	100	1	-46.781529623241	-24.1631858807	VS	100	1
-46.879290573602	-24.230249584807	VS	100	1	-46.781429351387	-24.164092798279	VS	100	1
-46.879667736503	-24.22998205047	VS	100	1	-46.781275978546	-24.163355066197	VS	100	1
-46.879947723034	-24.229783498227	VS	100	1	-46.781168287014	-24.164264329268	VS	100	1
-46.880227709016	-24.229584936337	VS	100	1	-46.781022850338	-24.163561085699	VS	100	1
-46.880565739415	-24.229350222341	VS	100	1	-46.780897730368	-24.164444792751	VS	100	1
-46.880633723492	-24.229333644444	VS	100	1	-46.780746145862	-24.16374387608	VS	100	1
-46.880576907899	-24.229208407866	VS	100	1	-46.780641061365	-24.164879784486	VS	100	1
-46.880243691554	-24.229046114223	VS	100	1	-46.780493667483	-24.163956971823	VS	100	1
-46.879945423128	-24.228896840346	VS	100	1	-46.780213716835	-24.164155340405	VS	100	1
-46.879537565286	-24.228685951967	VS	100	1	-46.780036547152	-24.163449684438	VS	100	1
-46.879239221837	-24.228536620737	VS	100	1	-46.779944212326	-24.164072500349	VS	100	1
-46.879346050182	-24.228620151139	VS	100	1	-46.779785119608	-24.165227322065	VS	100	1
-46.879233619228	-24.22870063106	VS	100	1	-46.77955973695	-24.163628297326	VS	100	1
-46.878924616663	-24.228917257721	VS	100	1	-46.828888796831	-24.203112565163	VS	70	1
-46.878663833727	-24.229097809116	VS	100	1	-46.828650389071	-24.202998411111	VS	70	1
-46.878422466598	-24.229269284026	VS	100	1	-46.828401939425	-24.202875398017	VS	70	1
-46.878132663993	-24.22946791873	VS	100	1	-46.778976025671	-24.165779583267	VS	100	1
-46.877862277422	-24.229657467897	VS	100	1	-46.778698825364	-24.164434293281	VS	100	1
-46.877495243852	-24.229910241819	VS	100	1	-46.778408895327	-24.16462377145	VS	100	1
-46.877354694494	-24.229919872717	VS	100	1	-46.778169543774	-24.165005008718	VS	100	1
-46.878135935259	-24.230298744851	VS	100	1	-46.77796820794	-24.16476547807	VS	100	1
-46.878326403275	-24.230171459279	VS	100	1	-46.782080119332	-24.164308964276	VS	100	1
-46.878561683204	-24.230000991787	VS	100	1	-46.781922251041	-24.163438071844	VS	100	1
-46.878825457663	-24.229818601412	VS	100	1	-46.781820421553	-24.164502577737	VS	100	1
-46.879071001852	-24.229655128557	VS	100	1	-46.781537856343	-24.164692022992	VS	100	1
-46.87938889594	-24.229431141992	VS	100	1	-46.82812361156	-24.202734777137	VS	70	1
-46.87974635368	-24.229187345154	VS	100	1	-46.828730379951	-24.203302796336	VS	70	1
-46.879949303881	-24.229051875036	VS	100	1	-46.828571580085	-24.203554208809	VS	70	1
-46.880016950388	-24.229006724173	VS	100	1	-46.828423722702	-24.203794389628	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.878551009718	-24.230642022867	VS	100	1	-46.827512560489	-24.203462155644	VS	100	1
-46.878261856787	-24.23046586227	VS	100	1	-46.827771043211	-24.203594010709	VS	100	1
-46.877748730686	-24.231301769633	VS	100	1	-46.781281468325	-24.164896987675	VS	100	1
-46.878064034061	-24.231083622053	VS	100	1	-46.781020719816	-24.16507737137	VS	100	1
-46.878392470537	-24.230857913453	VS	100	1	-46.780840778826	-24.165129545218	VS	100	1
-46.877563475523	-24.23069497046	VS	100	1	-46.780740756383	-24.165275767427	VS	100	1
-46.877186816299	-24.230956760019	VS	100	1	-46.780627598013	-24.16464309149	VS	100	1
-46.814882930552	-24.188507042685	VS	100	1	-46.780480006403	-24.165456149975	VS	100	1
-46.756289199163	-24.165756447715	VS	100	1	-46.780298015287	-24.163265571616	VS	100	1
-46.756298755529	-24.16554053077	VS	100	1	-46.780357210625	-24.164823441316	VS	100	1
-46.756642397457	-24.165715506812	VS	100	1	-46.780161457589	-24.165681550436	VS	100	1
-46.743529418034	-24.152712060425	VS	70	1	-46.78007705028	-24.165012887053	VS	100	1
-46.772588434728	-24.154602275704	VS	70	1	-46.779934199381	-24.164350673066	VS	100	1
-46.772250563951	-24.154426324831	VS	70	1	-46.77978525369	-24.163631851826	VS	100	1
-46.771906325242	-24.1542495384	VS	70	1	-46.779881502014	-24.165879926789	VS	100	1
-46.782740477211	-24.181504748518	VS	150	1	-46.779752823041	-24.163859988105	VS	100	1
-46.782587857368	-24.181767213384	VS	150	1	-46.779653635697	-24.164543136168	VS	100	1
-46.892757550071	-24.246448994111	VS	100	1	-46.779640210823	-24.16605121815	VS	100	1
-46.892970083047	-24.24670595911	VS	100	1	-46.77953013937	-24.163851553396	VS	100	1
-46.893087325802	-24.245791228338	VS	100	1	-46.779526395714	-24.165391801185	VS	100	1
-46.893237601014	-24.245791945988	VS	100	1	-46.779369092746	-24.163407817469	VS	70	1
-46.893491827605	-24.245618064396	VS	100	1	-46.779432334755	-24.166485548883	VS	100	1
-46.89289737446	-24.245588612678	VS	100	1	-46.779369855915	-24.166240591335	VS	100	1
-46.892693163647	-24.245351790296	VS	100	1	-46.779256189183	-24.165590140031	VS	100	1
-46.892497959381	-24.24513612057	VS	100	1	-46.77919006526	-24.166201897853	VS	100	1
-46.892537992323	-24.244905270944	VS	100	1	-46.779080058653	-24.166439053749	VS	100	1
-46.892787104856	-24.244721586446	VS	100	1	-46.779020527373	-24.164207991506	VS	100	1
-46.893315059384	-24.246055294051	VS	100	1	-46.778978036859	-24.165953642068	VS	100	1
-46.891242746539	-24.243734585987	VS	100	1	-46.778780759385	-24.166646430061	VS	100	1
-46.891074888368	-24.243542322053	VS	100	1	-46.778686526525	-24.165986915677	VS	100	1
-46.89052479897	-24.243932689595	VS	100	1	-46.778396799559	-24.166185324586	VS	100	1
-46.890339437409	-24.243705914117	VS	100	1	-46.786102082719	-24.174740986904	VS	100	1
-46.884395225183	-24.205749989382	VS	100	1	-46.786841869437	-24.174136527693	VS	100	1
-46.891999537706	-24.245297644366	VS	100	1	-46.786806984584	-24.174244950383	VS	100	1
-46.87687780484	-24.231173381261	VS	100	1	-46.786756769224	-24.173860571169	VS	100	1
-46.876746324643	-24.231191083741	VS	100	1	-46.786673208427	-24.173603256747	VS	100	1
-46.876996248295	-24.231350079566	VS	100	1	-46.786584975233	-24.174407256043	VS	100	1
-46.876408318121	-24.23098043188	VS	100	1	-46.786566798941	-24.173308309245	VS	100	1
-46.876098936777	-24.230786479128	VS	100	1	-46.786372439833	-24.174551602714	VS	100	1
-46.876266601852	-24.230777549225	VS	100	1	-46.785993206266	-24.175195125621	VS	100	1
-46.87656309361	-24.230569245304	VS	100	1	-46.785880101723	-24.174903274084	VS	100	1
-46.725332697377	-24.151440777374	VS	100	1	-46.785628947824	-24.175074670533	VS	100	1
-46.725611725695	-24.151599721714	VS	100	1	-46.77812889969	-24.164822179477	VS	100	1
-46.725007308556	-24.151697650865	VS	100	1	-46.778121855816	-24.166574509141	VS	100	1
-46.725584607033	-24.151753654143	VS	100	1	-46.778087837066	-24.16640175378	VS	100	1
-46.731090250954	-24.151064313335	VS	100	1	-46.778040819818	-24.165661532774	VS	100	1
-46.730180189359	-24.15126411786	VS	100	1	-46.777868288201	-24.165002470904	VS	100	1
-46.729845571098	-24.15109023532	VS	100	1	-46.777808048193	-24.16660000416	VS	100	1
-46.72946595015	-24.150891722781	VS	100	1	-46.777674490796	-24.164420453463	VS	100	1
-46.729164225818	-24.150735313244	VS	100	1	-46.777784418951	-24.166416438556	VS	100	1
-46.728959695328	-24.150621548167	VS	100	1	-46.777770483263	-24.165850912457	VS	100	1
-46.728726113244	-24.150499215093	VS	100	1	-46.777578639339	-24.165209887203	VS	100	1
-46.728421547182	-24.150339983938	VS	100	1	-46.785490314529	-24.175511404855	VS	100	1
-46.72809228758	-24.150155808575	VS	100	1	-46.777466211332	-24.166249190673	VS	100	1
-46.729450457113	-24.149450513491	VS	100	1	-46.777298474773	-24.165399327123	VS	100	1
-46.729822207542	-24.150677381631	VS	100	1	-46.777174663542	-24.166104328251	VS	100	1
-46.729609664984	-24.150821645772	VS	100	1	-46.777008697292	-24.165597776795	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.785367089625	-24.173605418087	VS	100	1	-46.781738843265	-24.163170750951	VS	100	1
-46.785068241084	-24.173455542576	VS	100	1	-46.77817546783	-24.167864780255	VS	100	1
-46.785652325744	-24.173679778978	VS	100	1	-46.779614077724	-24.166698335439	VS	100	1
-46.785893666675	-24.173508453124	VS	100	1	-46.779543248498	-24.166926290706	VS	100	1
-46.785313850319	-24.173905520824	VS	100	1	-46.779085337139	-24.167049202493	VS	100	1
-46.785043563974	-24.17409485097	VS	100	1	-46.778757648875	-24.16689103442	VS	100	1
-46.784783046346	-24.174284144508	VS	100	1	-46.779132659849	-24.167208316197	VS	100	1
-46.784671895997	-24.174454222995	VS	100	1	-46.778992764367	-24.167305080275	VS	100	1
-46.784541870047	-24.17446441643	VS	100	1	-46.778722238009	-24.167485521595	VS	100	1
-46.713768248507	-24.143011774536	VS	100	1	-46.778432487081	-24.167683947554	VS	100	1
-46.729791660762	-24.142638810277	VS	100	1	-46.777998519957	-24.168081885098	VS	100	1
-46.909131977038	-24.243056508388	VS	100	1	-46.777872882571	-24.168080474748	VS	100	1
-46.890866759905	-24.242371434311	VS	100	1	-46.77753451607	-24.168297096541	VS	100	1
-46.827759466811	-24.20280317424	VS	100	1	-46.77772117773	-24.167877345585	VS	100	1
-46.827627390121	-24.203027251658	VS	100	1	-46.777406192884	-24.16772999404	VS	100	1
-46.827476318514	-24.203278252683	VS	100	1	-46.777197873632	-24.167773333946	VS	100	1
-46.827325670073	-24.203528615942	VS	100	1	-46.7769370637	-24.167953743646	VS	100	1
-46.84249324781	-24.213208216651	VS	100	1	-46.77721859795	-24.16699700891	VS	100	1
-46.843726985948	-24.213153857566	VS	70	1	-46.784438359878	-24.167185810441	VS	70	1
-46.849009039871	-24.212056066342	VS	100	1	-46.784333005801	-24.166883228244	VS	70	1
-46.848786873712	-24.212210291526	VS	100	1	-46.784217832658	-24.166580725771	VS	70	1
-46.782495996883	-24.151262383389	VS	100	1	-46.784085216572	-24.166200881108	VS	70	1
-46.780917015348	-24.111870942979	VS	100	1	-46.783948957632	-24.165847856541	VS	70	1
-46.789770843322	-24.180015665867	VS	100	1	-46.783798586325	-24.165468007016	VS	70	1
-46.928542514124	-24.206558098277	VS	100	1	-46.783662936388	-24.165129965338	VS	70	1
-46.762341321186	-24.171228100126	VS	100	1	-46.783548190941	-24.164845307643	VS	70	1
-46.885061543284	-24.205289513322	VS	100	1	-46.783456639085	-24.16671277153	VS	70	1
-46.885370698304	-24.205081778969	VS	100	1	-46.783560975722	-24.167178835324	VS	70	1
-46.884569735377	-24.205549541355	VS	100	1	-46.78324740689	-24.166861001989	VS	70	1
-46.876911951288	-24.230331390004	VS	100	1	-46.783212523372	-24.16741769513	VS	70	1
-46.875742266998	-24.230575635134	VS	100	1	-46.782935349444	-24.167084442459	VS	70	1
-46.81844364872	-24.149858907187	VS	70	1	-46.782807168354	-24.167708657579	VS	70	1
-46.818213221076	-24.149664391038	VS	70	1	-46.782612860761	-24.167299046317	VS	70	1
-46.818168443855	-24.149513144488	VS	70	1	-46.782292086433	-24.167518258814	VS	70	1
-46.817813023028	-24.149621885462	VS	70	1	-46.782271772649	-24.168078789834	VS	70	1
-46.817580394636	-24.149894202106	VS	70	1	-46.78220468024	-24.167872616867	VS	70	1
-46.817341481987	-24.150154606903	VS	70	1	-46.781988931099	-24.167736254638	VS	70	1
-46.817113971223	-24.150368152536	VS	70	1	-46.781959522187	-24.168302276506	VS	70	1
-46.816924728822	-24.150465459345	VS	70	1	-46.781677080542	-24.167960743577	VS	70	1
-46.816638704248	-24.150466621337	VS	70	1	-46.781659046187	-24.168516117247	VS	70	1
-46.815952612238	-24.150356474607	VS	70	1	-46.781368868597	-24.168179445302	VS	70	1
-46.816316604008	-24.150424876694	VS	70	1	-46.784648861805	-24.167782043465	VS	100	1
-46.815587912937	-24.150279054291	VS	70	1	-46.784543497128	-24.167479461024	VS	100	1
-46.815241993774	-24.150219017937	VS	70	1	-46.791900048995	-24.184829001479	VS	250	2
-46.81489501391	-24.150197828629	VS	70	1	-46.791334378764	-24.185677449273	VS	250	1
-46.814523833097	-24.150179066129	VS	70	1	-46.790714268216	-24.185039398712	VS	250	1
-46.814219087699	-24.150013544715	VS	70	1	-46.790931505567	-24.185252121359	VS	150	1
-46.813893779371	-24.1498919426	VS	70	1	-46.786023283636	-24.184978181008	VS	150	1
-46.813599874461	-24.149745651524	VS	70	1	-46.786145583363	-24.184754208501	VS	150	1
-46.848365102893	-24.213655002411	VS	70	1	-46.77263040699	-24.159786118249	VS	100	1
-46.848102250766	-24.213344754354	VS	70	1	-46.918396178207	-24.23359612244	VS	100	1
-46.847838287305	-24.21305000153	VS	70	1	-46.918158893273	-24.233517191476	VS	70	1
-46.847832562715	-24.212833582504	VS	70	1	-46.81715013174	-24.186239850999	VS	70	1
-46.847798353174	-24.212678795803	VS	70	1	-46.725281075719	-24.147312416827	VS	100	1
-46.847410680483	-24.212485513665	VS	70	1	-46.8226655587	-24.182583227689	VS	70	1
-46.847023374951	-24.212301247866	VS	70	1	-46.789778037507	-24.184118719519	VS	250	1
-46.846903993706	-24.212302666661	VS	70	1	-46.789731933907	-24.184243980419	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.846604351556	-24.212510393095	VS	70	1	-46.789649000336	-24.184467413876	VS	250	1
-46.846582979712	-24.212669017309	VS	70	1	-46.789566135398	-24.184700108351	VS	250	1
-46.846805879255	-24.212935520576	VS	70	1	-46.78941081923	-24.1838760699	VS	250	2
-46.847058470412	-24.213228007801	VS	70	1	-46.789188820429	-24.183776623224	VS	250	2
-46.84725339637	-24.21324856902	VS	70	1	-46.789482823113	-24.184915011263	VS	250	1
-46.847533161391	-24.213041155088	VS	70	1	-46.789319999295	-24.183734651049	VS	250	2
-46.847270470282	-24.21346723641	VS	70	1	-46.790935838948	-24.165914707499	VS	70	1
-46.847421855012	-24.213635582973	VS	70	1	-46.790612098381	-24.164796536137	VS	70	1
-46.84759373367	-24.213839471977	VS	70	1	-46.79051864211	-24.164514832708	VS	70	1
-46.84779594034	-24.214078811286	VS	70	1	-46.790315025229	-24.164274288292	VS	70	1
-46.847951319532	-24.214090853413	VS	70	1	-46.789945772787	-24.165162286559	VS	70	1
-46.847735992924	-24.214235318411	VS	70	1	-46.789891745251	-24.163788166203	VS	70	1
-46.848288918936	-24.213838367602	VS	70	1	-46.789684617315	-24.165324842003	VS	70	1
-46.784383128268	-24.174304381732	VS	100	1	-46.789387675182	-24.165530395337	VS	70	1
-46.785019874098	-24.174639007434	VS	100	1	-46.789085900126	-24.165739754223	VS	70	1
-46.785203927013	-24.174790239818	VS	100	1	-46.788795938218	-24.165929297862	VS	70	1
-46.78533960287	-24.174780977628	VS	100	1	-46.788544501828	-24.163629406321	VS	70	1
-46.785483684176	-24.1749434005	VS	100	1	-46.788304923258	-24.166253970962	VS	70	1
-46.785477282145	-24.174582349925	VS	100	1	-46.787890430409	-24.16595656119	VS	70	1
-46.785728317857	-24.174401970681	VS	100	1	-46.78667070117	-24.167372792958	VS	70	1
-46.785998574063	-24.17421265647	VS	100	1	-46.791517906281	-24.165879568541	VS	70	1
-46.786259337391	-24.174032274989	VS	100	1	-46.791558090879	-24.166105127516	VS	70	1
-46.785962228932	-24.173903825538	VS	100	1	-46.791494813579	-24.165516837765	VS	70	1
-46.7864332454	-24.173914988376	VS	100	1	-46.791442806812	-24.164142925266	VS	70	1
-46.786631310978	-24.173768338672	VS	100	1	-46.791430095378	-24.16484793401	VS	70	1
-46.786144609116	-24.173328133408	VS	100	1	-46.791215033514	-24.165715124726	VS	70	1
-46.875984215314	-24.211582145173	VS	100	1	-46.791162661213	-24.164332393931	VS	70	1
-46.874687779798	-24.217226280146	VS	100	1	-46.791111751472	-24.165082309175	VS	70	1
-46.872057593497	-24.218414993717	VS	70	1	-46.791056183585	-24.165310594874	VS	70	1
-46.857314741371	-24.220238429376	VS	100	1	-46.790915572867	-24.163768279896	VS	70	1
-46.871144284854	-24.214945313301	VS	100	1	-46.790848233367	-24.165061600565	VS	70	1
-46.820524310868	-24.177691134988	VS	70	1	-46.790817791152	-24.164560346418	VS	70	1
-46.820348153455	-24.177649972483	VS	70	1	-46.790793050508	-24.165298795348	VS	70	1
-46.820194747499	-24.177826287697	VS	70	1	-46.790577340604	-24.163685812356	VS	70	1
-46.899283960592	-24.237127734849	VS	100	1	-46.790486868142	-24.164801332698	VS	70	1
-46.899506387247	-24.237384705089	VS	100	1	-46.790493698946	-24.165506249895	VS	70	1
-46.899759162063	-24.237677144781	VS	100	1	-46.790288386778	-24.163883772187	VS	70	1
-46.90000144776	-24.237942873517	VS	100	1	-46.79035534199	-24.166796921048	VS	70	1
-46.89902187754	-24.236853319964	VS	100	1	-46.79033659291	-24.166337354745	VS	70	1
-46.898749116573	-24.236546751948	VS	100	1	-46.790225922139	-24.164972811644	VS	70	1
-46.898540784924	-24.236310872426	VS	100	1	-46.79018782761	-24.165712621906	VS	70	1
-46.890647729002	-24.242115346666	VS	100	1	-46.790173370824	-24.166575222505	VS	70	1
-46.890432206018	-24.24187525881	VS	100	1	-46.790017787174	-24.166553898994	VS	70	1
-46.890220272966	-24.241644951575	VS	100	1	-46.789914195261	-24.165903178328	VS	70	1
-46.889997908221	-24.241388033707	VS	100	1	-46.789757252853	-24.166743221256	VS	70	1
-46.889772539342	-24.241137409	VS	100	1	-46.789605051842	-24.166110684623	VS	70	1
-46.889573748998	-24.240909755873	VS	100	1	-46.789443188585	-24.166954170156	VS	70	1
-46.889325715883	-24.240630413043	VS	100	1	-46.789317944237	-24.166307259346	VS	70	1
-46.88907244749	-24.240348782332	VS	100	1	-46.789155319063	-24.167163994484	VS	70	1
-46.888907148929	-24.240165512361	VS	100	1	-46.789072529009	-24.167366768761	VS	70	1
-46.888693364705	-24.239940951071	VS	100	1	-46.789013564012	-24.166517483462	VS	70	1
-46.888337983012	-24.239384925192	VS	100	1	-46.788855941389	-24.16713007387	VS	70	1
-46.888569989958	-24.239632908908	VS	100	1	-46.788774413088	-24.166672062424	VS	70	1
-46.888810253545	-24.239764000453	VS	100	1	-46.78865606479	-24.166892335323	VS	70	1
-46.888549282093	-24.239953065391	VS	100	1	-46.788525386509	-24.166109766896	VS	70	1
-46.888273049041	-24.240154339861	VS	100	1	-46.788478099901	-24.166675010317	VS	70	1
-46.887983696723	-24.240361750529	VS	100	1	-46.788464220891	-24.166889544472	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.884211052824	-24.23887759712	VS	100	1	-46.788284022381	-24.163818700962	VS	70	1
-46.886755924311	-24.239801222484	VS	100	1	-46.788276529226	-24.166449990895	VS	70	1
-46.885897603675	-24.239254756532	VS	100	1	-46.788026531582	-24.16612006752	VS	70	1
-46.908435046399	-24.244005117853	VS	100	1	-46.788114932161	-24.163947178066	VS	70	1
-46.892758643888	-24.234275527019	VS	100	1	-46.78798431066	-24.166470695	VS	70	1
-46.871874935442	-24.230719540543	VS	70	1	-46.787804626979	-24.164156632237	VS	70	1
-46.858263879165	-24.221797095022	VS	100	1	-46.787716193705	-24.165741286098	VS	70	1
-46.853480605947	-24.219767143385	VS	100	1	-46.787723783904	-24.166660013656	VS	70	1
-46.823646742184	-24.190189224397	VS	100	1	-46.787502537235	-24.165487018035	VS	70	1
-46.811634263056	-24.18760771816	VS	70	1	-46.787538019116	-24.164344863264	VS	70	1
-46.833106272822	-24.155491633747	VS	100	1	-46.787453229278	-24.166840480346	VS	70	1
-46.750594236682	-24.161465343757	VS	100	1	-46.787295829606	-24.16523721548	VS	70	1
-46.750429586378	-24.161966175084	VS	100	1	-46.787192275448	-24.167011952914	VS	70	1
-46.749578794542	-24.161961615172	VS	100	1	-46.78722225497	-24.164568472215	VS	70	1
-46.751287235884	-24.160641064817	VS	100	1	-46.787098795248	-24.164997182976	VS	70	1
-46.735787842533	-24.155527467316	VS	100	1	-46.786921937085	-24.167201341059	VS	70	1
-46.76084182497	-24.167932538672	VS	100	1	-46.786856038653	-24.16476014067	VS	70	1
-46.747841418719	-24.159986273108	VS	100	1	-46.786390333951	-24.167553337487	VS	70	1
-46.748012591315	-24.160073480822	VS	100	1	-46.786110164266	-24.167742794441	VS	70	1
-46.748142502047	-24.16015190025	VS	100	1	-46.785845459692	-24.16790719129	VS	70	1
-46.748192180413	-24.160372958079	VS	100	1	-46.78556695729	-24.168099091397	VS	70	1
-46.748053944627	-24.160584946757	VS	100	1	-46.785306410796	-24.168275656295	VS	70	1
-46.747965000154	-24.16063828708	VS	100	1	-46.791515740135	-24.185872382658	VS	250	1
-46.748741765745	-24.159335718199	VS	100	1	-46.79185807775	-24.186052690175	VS	250	1
-46.749079221934	-24.159511491471	VS	100	1	-46.792020870527	-24.185193172505	VS	150	1
-46.748788528455	-24.159431677004	VS	100	1	-46.791860376478	-24.185462048137	VS	150	1
-46.74863480904	-24.159665899107	VS	100	1	-46.791700245288	-24.185739597729	VS	150	1
-46.748713876445	-24.159826535192	VS	100	1	-46.791552008758	-24.186019738992	VS	250	1
-46.748366206544	-24.159650602143	VS	100	1	-46.788786076761	-24.16346696025	VS	70	1
-46.748495188332	-24.159897773885	VS	100	1	-46.790681405334	-24.162427974444	VS	70	1
-46.87937872843	-24.214733005918	VS	100	1	-46.791143501558	-24.162984363284	VS	70	1
-46.879974704042	-24.214281058175	VS	100	1	-46.791147584509	-24.163288588004	VS	70	1
-46.887098355991	-24.21026131601	VS	100	1	-46.788883925273	-24.163388993	VS	70	1
-46.888063493009	-24.209575391122	VS	100	1	-46.789022213668	-24.163287566947	VS	70	1
-46.888411071891	-24.209331641264	VS	100	1	-46.789377593068	-24.163049558983	VS	70	1
-46.888739431477	-24.209105899827	VS	100	1	-46.789693431968	-24.162826739325	VS	70	1
-46.889057805576	-24.208880347464	VS	100	1	-46.790007970776	-24.162598293152	VS	70	1
-46.889646377868	-24.208456223119	VS	100	1	-46.790323705838	-24.162380364632	VS	70	1
-46.88995509619	-24.208230632953	VS	100	1	-46.790409563383	-24.162320682332	VS	70	1
-46.748440272413	-24.160301305716	VS	100	1	-46.790623969052	-24.162174530605	VS	70	1
-46.848567697995	-24.212368682313	VS	100	1	-46.790825384612	-24.162008301927	VS	70	1
-46.848372219708	-24.212490852464	VS	100	1	-46.790931763816	-24.162721822218	VS	70	1
-46.849538053606	-24.21049482341	VS	70	1	-46.790721520397	-24.162711863676	VS	70	1
-46.849241387426	-24.210696226717	VS	70	1	-46.790441585584	-24.162910253693	VS	70	1
-46.855826897294	-24.216180202962	VS	100	1	-46.790180673851	-24.163081715913	VS	70	1
-46.855488944809	-24.216013323521	VS	100	1	-46.791020364965	-24.162495675597	VS	70	1
-46.917374347777	-24.229925143624	VS	100	1	-46.791423356814	-24.163105642886	VS	70	1
-46.800820794642	-24.193531250499	VS	100	1	-46.791391915585	-24.163270754808	VS	70	1
-46.80310246956	-24.194510213926	VS	100	1	-46.79149675528	-24.163494007448	VS	70	1
-46.80235812016	-24.195260444259	VS	250	1	-46.790867538165	-24.163487056796	VS	70	1
-46.803208651433	-24.195405985072	VS	250	1	-46.790580009374	-24.185033313828	VS	150	1
-46.802984570847	-24.195479061724	VS	250	1	-46.790419793908	-24.185310976698	VS	250	1
-46.802783059346	-24.195547288063	VS	250	1	-46.790272857198	-24.185551816574	VS	150	1
-46.806489891633	-24.19682312257	VS	250	1	-46.790117217684	-24.185854966942	VS	150	1
-46.806222617856	-24.197011984476	VS	250	1	-46.789948350276	-24.186135644411	VS	250	1
-46.777780380879	-24.179487695997	VS	100	1	-46.789255462672	-24.183904309312	VS	250	2
-46.777502378038	-24.179355909809	VS	100	1	-46.789176183225	-24.184146019349	VS	250	2

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.777234195602	-24.179224062053	VS	100	1	-46.789090492222	-24.184396198019	VS	250	2
-46.776683647995	-24.179412639877	VS	100	1	-46.788979482577	-24.184663743594	VS	250	2
-46.776849043737	-24.17977369111	VS	100	1	-46.788933515698	-24.184521203524	VS	250	1
-46.777179444242	-24.179972052587	VS	100	1	-46.788887244156	-24.18490498657	VS	250	2
-46.776145049563	-24.179750819619	VS	100	1	-46.788766866876	-24.185218568624	VS	150	1
-46.775884952557	-24.179840799101	VS	100	1	-46.788706065806	-24.184451519534	VS	250	1
-46.775794021352	-24.179822209456	VS	100	1	-46.788664410434	-24.185451315233	VS	250	1
-46.775519369986	-24.179641602787	VS	100	1	-46.788635921087	-24.185280895163	VS	150	1
-46.89026394375	-24.208004964379	VS	100	1	-46.788590347117	-24.185639236756	VS	250	1
-46.889271415533	-24.211478055823	VS	100	1	-46.788497285784	-24.185854049373	VS	150	1
-46.881306297947	-24.214368275086	VS	100	1	-46.788476144637	-24.185545972597	VS	150	1
-46.881634752247	-24.21414250938	VS	100	1	-46.788334447359	-24.185809377363	VS	150	1
-46.8819434975	-24.213916939385	VS	100	1	-46.788193151424	-24.186060261126	VS	250	1
-46.882252341953	-24.213691308209	VS	100	1	-46.788097544756	-24.186076034091	VS	150	1
-46.882851055674	-24.21327601948	VS	100	1	-46.790616965713	-24.183371068532	VS	250	1
-46.88317918011	-24.213041395714	VS	100	1	-46.790356045081	-24.183551559856	VS	250	1
-46.883497509727	-24.212806830532	VS	100	1	-46.790114262127	-24.183705045872	VS	250	1
-46.883777539597	-24.212608213379	VS	100	1	-46.787046555721	-24.185497412233	VS	250	1
-46.884096061417	-24.212382578214	VS	100	1	-46.788725855567	-24.183551139551	VS	250	1
-46.884376213909	-24.21219292545	VS	100	1	-46.788743804072	-24.182548902477	VS	250	1
-46.884974719573	-24.211768703834	VS	100	1	-46.78864029141	-24.182737046155	VS	250	1
-46.885302652516	-24.21152512506	VS	100	1	-46.788074442733	-24.183695846524	VS	250	2
-46.885572977583	-24.211335555397	VS	100	1	-46.78800787278	-24.183812831811	VS	250	2
-46.890782444493	-24.210410889954	VS	100	1	-46.787875963748	-24.1840365558357	VS	250	2
-46.891075319554	-24.210199359275	VS	100	1	-46.787772448638	-24.184224692067	VS	250	2
-46.891994014326	-24.209573194085	VS	100	1	-46.786522467329	-24.18411298568	VS	250	1
-46.892312491751	-24.209338494394	VS	100	1	-46.785944842631	-24.185106097036	VS	150	1
-46.893808716187	-24.208282307776	VS	100	1	-46.787569547017	-24.182298980533	VS	250	1
-46.894078523215	-24.208074917112	VS	100	1	-46.787409938984	-24.182585014337	VS	250	1
-46.880917451059	-24.216606706969	VS	100	1	-46.786409334867	-24.184288383168	VS	250	1
-46.881204073488	-24.216433953431	VS	100	1	-46.786277641004	-24.18453026261	VS	250	1
-46.748283380335	-24.160814530461	VS	100	1	-46.773759373953	-24.158974911123	VS	70	1
-46.805954063295	-24.197210666903	VS	250	1	-46.773469825101	-24.159182269075	VS	100	1
-46.809450970985	-24.197163477414	VS	250	1	-46.773137158601	-24.159423311256	VS	100	1
-46.734157692365	-24.156550814914	VS	100	1	-46.772929550089	-24.159569778445	VS	100	1
-46.72626185566	-24.144448203816	VS	100	1	-46.786120823626	-24.185100457851	VS	150	1
-46.725962474433	-24.144655532861	VS	100	1	-46.787779410437	-24.185908875419	VS	150	1
-46.725663713793	-24.144889617983	VS	100	1	-46.787432012914	-24.185750850461	VS	150	1
-46.725345124285	-24.145114915088	VS	100	1	-46.78579297588	-24.184942222623	VS	150	1
-46.725045863561	-24.145331215567	VS	100	1	-46.785485083717	-24.184792833921	VS	150	1
-46.724814333671	-24.145502365142	VS	100	1	-46.784995431943	-24.184531772259	VS	150	1
-46.724544203084	-24.145700324354	VS	100	1	-46.784084526811	-24.184107304807	VS	150	1
-46.724293640942	-24.145898615803	VS	100	1	-46.783766973004	-24.183958069115	VS	150	1
-46.724072256748	-24.146065081324	VS	100	1	-46.783409380617	-24.183782272069	VS	150	1
-46.724275574237	-24.146133822414	VS	100	1	-46.787064931314	-24.185566512819	VS	150	1
-46.724627118194	-24.146294162236	VS	100	1	-46.787253032203	-24.185654052168	VS	250	1
-46.724993244896	-24.146131910701	VS	100	1	-46.786786290046	-24.185425617674	VS	250	1
-46.725053743036	-24.146089505474	VS	100	1	-46.786448735602	-24.185267520652	VS	150	1
-46.725227449661	-24.145963369309	VS	100	1	-46.791590743027	-24.187203627558	VS	250	1
-46.725497607449	-24.145765175189	VS	100	1	-46.791227972695	-24.187224175666	VS	250	1
-46.725758180715	-24.14557597031	VS	100	1	-46.791867796172	-24.18718351201	VS	250	1
-46.726018519971	-24.145377842199	VS	100	1	-46.790835553323	-24.187145369269	VS	250	1
-46.7262790721	-24.145188635652	VS	100	1	-46.790559770367	-24.18708529564	VS	250	1
-46.722772665207	-24.144755797778	VS	100	1	-46.790263214902	-24.186989818912	VS	250	1
-46.733518897759	-24.149466137128	VS	100	1	-46.789983371038	-24.186883489211	VS	250	1
-46.740220349875	-24.152922311996	VS	100	1	-46.789289227695	-24.186629485086	VS	250	1
-46.73878530872	-24.15492168995	VS	100	1	-46.788971790988	-24.186489133759	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.738655214745	-24.154706621253	VS	100	1	-46.788653949276	-24.186330937448	VS	250	1
-46.738477130096	-24.15476663974	VS	100	1	-46.788406004023	-24.186225713315	VS	250	1
-46.738887646564	-24.154527046206	VS	100	1	-46.791191371233	-24.186635739821	VS	150	1
-46.838788340489	-24.20805951761	VS	70	1	-46.791059266379	-24.186859788551	VS	250	1
-46.838633006914	-24.208224355793	VS	70	1	-46.791314519263	-24.186410280159	VS	250	1
-46.838501202597	-24.208457314422	VS	70	1	-46.790904896009	-24.187136279109	VS	250	1
-46.838359533467	-24.208690408643	VS	70	1	-46.789787714824	-24.186395497532	VS	250	1
-46.838495190418	-24.208927386499	VS	70	1	-46.789625462795	-24.186679684328	VS	250	1
-46.838186954877	-24.208769166088	VS	70	1	-46.791863929462	-24.182145786469	VS	250	1
-46.764277343063	-24.166669307171	VS	100	1	-46.790180235453	-24.182136322117	VS	150	1
-46.792159661183	-24.186737782289	VS	250	1	-46.789839497248	-24.182254848285	VS	150	1
-46.837948305824	-24.208646101153	VS	70	1	-46.791590548527	-24.182081400575	VS	150	1
-46.837709868593	-24.208531949624	VS	70	1	-46.791320370227	-24.182010782715	VS	150	1
-46.837421703292	-24.208391416844	VS	70	1	-46.791080079905	-24.181995761879	VS	150	1
-46.837440703909	-24.208205663713	VS	70	1	-46.790777704311	-24.181981115218	VS	150	1
-46.83757257558	-24.207981859403	VS	70	1	-46.790481730451	-24.182018089082	VS	150	1
-46.837714390157	-24.207748535542	VS	70	1	-46.790272653594	-24.180515776472	VS	250	1
-46.837261281903	-24.20851074496	VS	70	1	-46.79023955196	-24.180774776847	VS	250	1
-46.837100941925	-24.208779508371	VS	70	1	-46.790166214344	-24.180938710795	VS	250	1
-46.838230137333	-24.208936938995	VS	70	1	-46.789856792606	-24.181137316219	VS	250	1
-46.83815343504	-24.209233823844	VS	70	1	-46.789637025636	-24.182488832209	VS	150	1
-46.837812057752	-24.207571066338	VS	70	1	-46.789605957462	-24.181317571749	VS	250	1
-46.83812845623	-24.207734812045	VS	70	1	-46.789533015774	-24.18237405991	VS	150	1
-46.83127123673	-24.184096483027	VS	70	1	-46.867512928516	-24.22156294019	VS	70	1
-46.843534319599	-24.208426072397	VS	100	1	-46.867802267964	-24.221365674503	VS	70	1
-46.869786329603	-24.224323242362	VS	70	1	-46.868405227251	-24.22097512811	VS	70	1
-46.870931830845	-24.224497282216	VS	100	1	-46.86778832356	-24.222093383916	VS	70	1
-46.870654701793	-24.224683497657	VS	100	1	-46.869109706853	-24.221105733353	VS	70	1
-46.870337473256	-24.224914886041	VS	100	1	-46.871212405643	-24.220376728148	VS	70	1
-46.852212210968	-24.205784897919	VS	70	1	-46.870951633299	-24.220557267305	VS	70	1
-46.71729451794	-24.137882485185	VS	100	1	-46.878697042811	-24.230660553688	VS	100	1
-46.871189790438	-24.224318570057	VS	100	1	-46.753338614391	-24.157948734473	VS	100	1
-46.870900236587	-24.224172032857	VS	100	1	-46.753379483845	-24.159221574377	VS	100	1
-46.870611991737	-24.224031562686	VS	100	1	-46.753287316456	-24.158553254285	VS	100	1
-46.870373354731	-24.223908570062	VS	100	1	-46.753268883861	-24.158338459757	VS	100	1
-46.87009555532	-24.224115558067	VS	100	1	-46.753186983991	-24.156662104777	VS	100	1
-46.870035174606	-24.223732822702	VS	100	1	-46.753049919685	-24.157794326632	VS	100	1
-46.869687026661	-24.223557056294	VS	100	1	-46.752950938247	-24.157143405823	VS	100	1
-46.86965994667	-24.223670052902	VS	100	1	-46.753022071039	-24.159647173696	VS	100	1
-46.869428415398	-24.223841437935	VS	100	1	-46.75296927954	-24.15838702003	VS	100	1
-46.869177234666	-24.224012973799	VS	100	1	-46.752926151175	-24.156531030704	VS	100	1
-46.868883420022	-24.22424604122	VS	100	1	-46.752813314097	-24.159036646132	VS	100	1
-46.869551936682	-24.224498868549	VS	70	1	-46.752751795782	-24.157633903472	VS	100	1
-46.780625417375	-24.182417603665	VS	100	1	-46.863839517333	-24.212457620004	VS	70	1
-46.780361408767	-24.182280475735	VS	100	1	-46.847781129771	-24.215087274983	VS	70	1
-46.780104211412	-24.182149612851	VS	100	1	-46.800168984917	-24.190783565085	VS	100	1
-46.772349173965	-24.176462356488	VS	100	1	-46.847614669183	-24.214886626522	VS	70	1
-46.792848204305	-24.184728338098	VS	250	1	-46.816820206119	-24.195671342832	VS	100	1
-46.792566953435	-24.186948717211	VS	250	1	-46.800029897051	-24.190542455606	VS	100	1
-46.792604574023	-24.18665475155	VS	250	1	-46.833280541206	-24.209160088252	VS	100	1
-46.781862467735	-24.180193900584	VS	250	1	-46.836111189228	-24.206970483265	VS	100	1
-46.781590734253	-24.180061934416	VS	250	1	-46.836155531153	-24.207202509989	VS	100	1
-46.782054840079	-24.180071686655	VS	250	1	-46.799691313806	-24.190363187338	VS	100	1
-46.782352736906	-24.180212265828	VS	250	1	-46.799381129376	-24.190274896973	VS	100	1
-46.782650586552	-24.180352807113	VS	250	1	-46.752711626405	-24.157209784912	VS	100	1
-46.786916450477	-24.176036237696	VS	100	1	-46.75267867424	-24.158237183096	VS	100	1
-46.786663909495	-24.175324323739	VS	100	1	-46.752710510121	-24.159494200732	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.786854346921	-24.175273435571	VS	100	1	-46.752666636982	-24.159277407505	VS	100	1
-46.787103474781	-24.175187233903	VS	100	1	-46.752529520406	-24.15948463621	VS	100	1
-46.786569216873	-24.17505736076	VS	100	1	-46.752353296139	-24.156838071807	VS	100	1
-46.786478999005	-24.174798374343	VS	100	1	-46.752356182202	-24.157765035783	VS	100	1
-46.821440650605	-24.181566125234	VS	100	1	-46.752396950145	-24.158076432188	VS	100	1
-46.821693780581	-24.181769894477	VS	70	1	-46.752316101841	-24.158644461678	VS	100	1
-46.821174817999	-24.181335112098	VS	100	1	-46.752180937042	-24.158024653782	VS	100	1
-46.789504275576	-24.167551396939	VS	70	1	-46.752094318749	-24.159159759123	VS	100	1
-46.789196939214	-24.167758185499	VS	70	1	-46.752037613041	-24.158496079396	VS	100	1
-46.788949906187	-24.167939638922	VS	70	1	-46.798844302287	-24.190822348379	VS	100	1
-46.784739905038	-24.177280819102	VS	100	1	-46.798841596406	-24.191126747665	VS	100	1
-46.749300897848	-24.164636700563	VS	100	1	-46.798829013359	-24.191420938753	VS	100	1
-46.748935990762	-24.164494211351	VS	100	1	-46.797816281783	-24.189830031397	VS	250	1
-46.743415600625	-24.158157265117	VS	100	1	-46.797801641014	-24.190111101404	VS	250	1
-46.743437045055	-24.158239102503	VS	100	1	-46.75202981531	-24.158275018301	VS	100	1
-46.837341217797	-24.157195793082	VS	100	1	-46.751859427559	-24.158543976076	VS	100	1
-46.837509806634	-24.157032402366	VS	100	1	-46.751808543134	-24.15901687087	VS	100	1
-46.837717865846	-24.156829102554	VS	100	1	-46.751795107275	-24.159613925813	VS	100	1
-46.861434904478	-24.200730746249	VS	70	1	-46.751727820805	-24.158337889122	VS	100	1
-46.842707084888	-24.171640386604	VS	70	1	-46.751691037544	-24.158828829525	VS	100	1
-46.879607463437	-24.225252836378	VS	70	1	-46.75155552311	-24.159034533227	VS	100	1
-46.88106961911	-24.228266469233	VS	70	1	-46.751487304681	-24.158842322152	VS	100	1
-46.881359415003	-24.228067827913	VS	70	1	-46.751473244852	-24.15945016006	VS	100	1
-46.890758867777	-24.238689282046	VS	70	1	-46.751377513617	-24.159292359845	VS	100	1
-46.78101869709	-24.174609793739	VS	70	1	-46.751285431048	-24.159501835241	VS	100	1
-46.781319442596	-24.174759260777	VS	70	1	-46.751178951588	-24.158677472378	VS	100	1
-46.781618362763	-24.174920911038	VS	70	1	-46.751195704649	-24.159309610025	VS	100	1
-46.781936898525	-24.17508406902	VS	70	1	-46.778398871742	-24.150537000263	VS	70	1
-46.782174568365	-24.175216712464	VS	100	1	-46.778599524924	-24.151141555225	VS	70	1
-46.782456822523	-24.175372426961	VS	100	1	-46.778644183613	-24.150512171082	VS	70	1
-46.782671589701	-24.175489433011	VS	100	1	-46.79659427575	-24.190340752062	VS	100	1
-46.782999850262	-24.175674306896	VS	100	1	-46.796568667682	-24.191331154194	VS	100	1
-46.783345131985	-24.175860102466	VS	100	1	-46.795286132228	-24.191483515187	VS	100	1
-46.782168783917	-24.172253751383	VS	70	1	-46.794927289962	-24.190588118897	VS	100	1
-46.782651922734	-24.172483955652	VS	70	1	-46.796627045178	-24.190171285306	VS	100	1
-46.782903738258	-24.172265213691	VS	70	1	-46.751056070247	-24.157998495525	VS	100	1
-46.782526859413	-24.171879764133	VS	70	1	-46.750983113225	-24.158009794005	VS	100	1
-46.78285125228	-24.171997660533	VS	70	1	-46.750878888633	-24.158519551866	VS	100	1
-46.783121287824	-24.172209752618	VS	70	1	-46.750875576967	-24.159133278898	VS	100	1
-46.783391164324	-24.17241296843	VS	70	1	-46.750828223844	-24.158237396031	VS	100	1
-46.783661042004	-24.172616174869	VS	70	1	-46.750689008061	-24.159646644047	VS	100	1
-46.784143388914	-24.172273231405	VS	70	1	-46.750688394786	-24.158454680599	VS	100	1
-46.783883330545	-24.172069955161	VS	70	1	-46.750583530507	-24.158358741926	VS	100	1
-46.783622848024	-24.171848833688	VS	70	1	-46.75056842845	-24.158965594575	VS	100	1
-46.783673056531	-24.171644791714	VS	70	1	-46.750448874296	-24.159521840671	VS	100	1
-46.783441526869	-24.171816043248	VS	70	1	-46.750300144113	-24.158824814546	VS	100	1
-46.783142781232	-24.172050246627	VS	70	1	-46.750285353136	-24.158200305034	VS	100	1
-46.783206467288	-24.173117579935	VS	70	1	-46.750132722355	-24.159357501371	VS	100	1
-46.782805614349	-24.171674615937	VS	70	1	-46.74995930223	-24.159272856783	VS	100	1
-46.783101333241	-24.17145085071	VS	70	1	-46.749643356941	-24.159108251898	VS	70	1
-46.78338571607	-24.171231999939	VS	70	1	-46.749309172159	-24.158936646216	VS	70	1
-46.783910648365	-24.172792764028	VS	70	1	-46.749068490759	-24.158802070912	VS	70	1
-46.784264732653	-24.173005649478	VS	70	1	-46.748749698971	-24.158640414156	VS	70	1
-46.784199176979	-24.172840739334	VS	70	1	-46.75428389963	-24.159700577716	VS	70	1
-46.78440365577	-24.17248542963	VS	70	1	-46.757979941966	-24.169127905295	VS	100	1
-46.784606457241	-24.172539522999	VS	70	1	-46.757836595102	-24.169358729836	VS	100	1
-46.792442108813	-24.164619167116	VS	70	1	-46.75968665817	-24.169645105567	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792666778874	-24.164851635694	VS	70	1	-46.759097194189	-24.170591718232	VS	100	1
-46.823154386409	-24.18059226252	VS	70	1	-46.76147569888	-24.170843551156	VS	100	1
-46.874014384489	-24.228414831321	VS	100	1	-46.903799416667	-24.224899414491	VS	100	1
-46.873769648754	-24.228586675669	VS	100	1	-46.884422122511	-24.240643464345	VS	100	1
-46.873553377239	-24.2287548473	VS	100	1	-46.762195528876	-24.171800713635	VS	100	1
-46.830896932231	-24.206016776876	VS	100	1	-46.755414733543	-24.16871006987	VS	100	1
-46.830746523481	-24.2062945413	VS	100	1	-46.755813515807	-24.168585458452	VS	100	1
-46.893671857575	-24.233453950809	VS	100	1	-46.75662501954	-24.169321296506	VS	100	1
-46.893342961559	-24.233260296128	VS	100	1	-46.756814366366	-24.169025491265	VS	100	1
-46.893043962508	-24.233084246634	VS	100	1	-46.757003927816	-24.168738608023	VS	100	1
-46.892734709388	-24.23289043643	VS	100	1	-46.757243471465	-24.168579794541	VS	100	1
-46.893953666607	-24.233630129854	VS	100	1	-46.757621446861	-24.168782376068	VS	100	1
-46.893694106302	-24.233581018015	VS	100	1	-46.757987093328	-24.168880691168	VS	100	1
-46.819250078175	-24.172585827892	VS	70	1	-46.757949502082	-24.168967211687	VS	100	1
-46.818119979111	-24.170616565342	VS	70	1	-46.757726273974	-24.169070115801	VS	100	1
-46.817298945151	-24.169747797052	VS	70	1	-46.835774676007	-24.175812810075	VS	70	1
-46.778647586863	-24.147118301902	VS	70	1	-46.758177835156	-24.169081462463	VS	100	1
-46.778306665281	-24.147178907454	VS	70	1	-46.758133674539	-24.168852860207	VS	100	1
-46.777942683519	-24.147246689767	VS	70	1	-46.758314530374	-24.168541219161	VS	100	1
-46.777544424171	-24.147317379882	VS	70	1	-46.757685026869	-24.169591804365	VS	100	1
-46.823136230423	-24.183000983769	VS	70	1	-46.757552469158	-24.16979797416	VS	100	1
-46.823337755142	-24.18286035554	VS	70	1	-46.75746725791	-24.169813234011	VS	100	1
-46.823477084554	-24.182769510792	VS	70	1	-46.757963495962	-24.170076837154	VS	100	1
-46.823534317332	-24.182914995368	VS	70	1	-46.758149346741	-24.170179013693	VS	100	1
-46.823626971214	-24.183192193509	VS	70	1	-46.758327056274	-24.170185155076	VS	100	1
-46.843377670438	-24.202359738046	VS	70	1	-46.758459407504	-24.169970062391	VS	100	1
-46.728945639136	-24.140982692967	VS	70	1	-46.758743531089	-24.169530815998	VS	100	1
-46.729486134908	-24.14059520833	VS	70	1	-46.835562300456	-24.175555702628	VS	70	1
-46.842034824159	-24.206642409586	VS	70	1	-46.83535056938	-24.175325354447	VS	70	1
-46.900210197784	-24.2267568705	VS	70	1	-46.835986629647	-24.176052080871	VS	70	1
-46.900008277248	-24.22653539538	VS	70	1	-46.834980725963	-24.175450360553	VS	100	1
-46.899846762288	-24.226358235556	VS	70	1	-46.834423647297	-24.174481887856	VS	100	1
-46.928323917816	-24.203908506627	VS	70	1	-46.833322798578	-24.174065438424	VS	70	1
-46.929990263975	-24.202686860943	VS	70	1	-46.833284018863	-24.174000759294	VS	70	1
-46.862778030184	-24.210933052184	VS	70	1	-46.832642782628	-24.176585382695	VS	70	1
-46.861600609414	-24.211754425316	VS	100	1	-46.829097160525	-24.17623963685	VS	70	1
-46.859317755271	-24.213380742229	VS	70	1	-46.832330976815	-24.176528519773	VS	70	1
-46.859365019238	-24.213635910084	VS	70	1	-46.831994961974	-24.176482335631	VS	70	1
-46.859741483636	-24.214079024777	VS	70	1	-46.831658149794	-24.17643257659	VS	70	1
-46.858533834895	-24.212660711435	VS	100	1	-46.758744402093	-24.169380686399	VS	100	1
-46.858915184664	-24.213108531916	VS	100	1	-46.758495892102	-24.169248672598	VS	100	1
-46.85590107123	-24.215774644468	VS	70	1	-46.75892348613	-24.169252921313	VS	100	1
-46.857046944929	-24.214965204314	VS	70	1	-46.759093836946	-24.168984017759	VS	100	1
-46.858477069614	-24.213983234003	VS	70	1	-46.759283168118	-24.168688208296	VS	100	1
-46.777832437873	-24.172389601643	VS	70	1	-46.759482331333	-24.168617015257	VS	100	1
-46.777524007367	-24.172734579254	VS	70	1	-46.759800389677	-24.168784213737	VS	100	1
-46.777600103849	-24.172132025777	VS	70	1	-46.76005516205	-24.169081898355	VS	100	1
-46.777282331692	-24.172897037006	VS	70	1	-46.759999196062	-24.168889832102	VS	100	1
-46.777185175282	-24.17188756049	VS	70	1	-46.760215783339	-24.168822161576	VS	100	1
-46.781765086736	-24.174648915655	VS	70	1	-46.760395734213	-24.168544264545	VS	100	1
-46.7828920276464	-24.170419758527	VS	70	1	-46.761311552783	-24.16867150458	VS	100	1
-46.783151924116	-24.17069051287	VS	70	1	-46.831353410999	-24.176653294583	VS	70	1
-46.783339009029	-24.170916913699	VS	70	1	-46.831342594811	-24.176372570627	VS	70	1
-46.89413532976	-24.233739287615	VS	100	1	-46.831076983739	-24.176330124768	VS	70	1
-46.894349029798	-24.233855442011	VS	100	1	-46.830800375758	-24.176278613626	VS	70	1
-46.823989043762	-24.186645110801	VS	100	1	-46.830425717682	-24.17621014385	VS	70	1
-46.824286056985	-24.186587110601	VS	100	1	-46.830100304591	-24.176150208001	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.824677314898	-24.186496587214	VS	100	1	-46.829475829527	-24.176100930916	VS	70	1
-46.825018688416	-24.186403476993	VS	100	1	-46.829326462643	-24.176120082053	VS	70	1
-46.825369692928	-24.186323649329	VS	100	1	-46.895008759794	-24.239003393014	VS	100	1
-46.825717992566	-24.186314125901	VS	100	1	-46.894466323827	-24.236542295694	VS	100	1
-46.782739652595	-24.174707275099	VS	70	1	-46.894910919953	-24.237047332577	VS	100	1
-46.791861663846	-24.183494333118	VS	70	1	-46.761150810001	-24.168931419722	VS	100	1
-46.792107289672	-24.183319240252	VS	70	1	-46.760971075785	-24.169218240187	VS	100	1
-46.788206463208	-24.167067851132	VS	70	1	-46.760810465684	-24.169477960158	VS	100	1
-46.788562844451	-24.167567725235	VS	70	1	-46.760325739249	-24.16907268252	VS	100	1
-46.784745998373	-24.182410483594	VS	150	1	-46.759875219369	-24.169359795033	VS	100	1
-46.860711635122	-24.212371531447	VS	70	1	-46.759515825727	-24.169933316724	VS	100	1
-46.860434181077	-24.212552509225	VS	70	1	-46.759231281526	-24.170354729301	VS	100	1
-46.790018739108	-24.167063713972	VS	70	1	-46.759669122684	-24.169882528511	VS	100	1
-46.790361666056	-24.166942159946	VS	70	1	-46.759351226575	-24.169715406127	VS	100	1
-46.79052717229	-24.167000974668	VS	70	1	-46.759052805434	-24.169548059339	VS	100	1
-46.79067596841	-24.166719134389	VS	70	1	-46.759958877365	-24.170024957324	VS	100	1
-46.788777036473	-24.16855559389	VS	70	1	-46.760289957774	-24.170302715007	VS	100	1
-46.789092593776	-24.168346022575	VS	70	1	-46.894898072588	-24.237726869253	VS	100	1
-46.789400833773	-24.168130027238	VS	70	1	-46.894688504115	-24.236790356898	VS	100	1
-46.791154873026	-24.167922115415	VS	70	1	-46.894632314081	-24.237916880759	VS	100	1
-46.790218005862	-24.168512885583	VS	100	1	-46.894244134265	-24.236294243016	VS	100	1
-46.789939589301	-24.168689433791	VS	100	1	-46.894031976327	-24.236055026886	VS	100	1
-46.789618955208	-24.168891121978	VS	100	1	-46.892053972364	-24.239506595151	VS	100	1
-46.78967185714	-24.167927237939	VS	70	1	-46.760215636817	-24.170164050606	VS	100	1
-46.789939850763	-24.167744559643	VS	70	1	-46.760213133559	-24.170412864268	VS	100	1
-46.790249075539	-24.167530807366	VS	70	1	-46.759996448867	-24.170759887663	VS	100	1
-46.790558309438	-24.167317045576	VS	70	1	-46.7596337281	-24.170974723096	VS	100	1
-46.790839227156	-24.167121965355	VS	70	1	-46.759385430141	-24.170851623593	VS	100	1
-46.791145309553	-24.166905662726	VS	70	1	-46.759184456591	-24.170728579842	VS	100	1
-46.792218948572	-24.166704595201	VS	70	1	-46.75882791401	-24.170532260183	VS	100	1
-46.791767603343	-24.166473335201	VS	70	1	-46.758492086608	-24.17035110408	VS	100	1
-46.791456532965	-24.166687184397	VS	70	1	-46.760655119111	-24.171497392702	VS	100	1
-46.791254444962	-24.166325420497	VS	70	1	-46.760591250183	-24.171424751852	VS	100	1
-46.813208097231	-24.176807285008	VS	100	1	-46.760389355762	-24.171379668382	VS	100	1
-46.780371716037	-24.169998546374	VS	70	1	-46.760130814848	-24.171238803529	VS	100	1
-46.78010157969	-24.170196842617	VS	70	1	-46.75983324191	-24.171179027914	VS	70	1
-46.779850854681	-24.170386065616	VS	70	1	-46.890780826553	-24.238287243402	VS	100	1
-46.77938702077	-24.17072003267	VS	70	1	-46.890566062422	-24.238117568796	VS	100	1
-46.780570266494	-24.171128524875	VS	70	1	-46.760732987214	-24.171191742917	VS	100	1
-46.780825919126	-24.170236608317	VS	70	1	-46.760884336939	-24.170949742478	VS	100	1
-46.781041839109	-24.170469634733	VS	70	1	-46.76104549577	-24.170707663337	VS	100	1
-46.781217497604	-24.170686579159	VS	70	1	-46.76120029329	-24.170701244904	VS	100	1
-46.782246372741	-24.169650176328	VS	70	1	-46.76181657099	-24.171026870175	VS	100	1
-46.782022539166	-24.169551852593	VS	70	1	-46.762232082676	-24.170967908272	VS	100	1
-46.781983565675	-24.169339579525	VS	70	1	-46.762182646072	-24.171149097397	VS	100	1
-46.781079519047	-24.169494962059	VS	70	1	-46.760553756427	-24.170340155106	VS	100	1
-46.780926066943	-24.169351263641	VS	70	1	-46.760431992243	-24.170078504712	VS	100	1
-46.780322356977	-24.17338462372	VS	70	1	-46.760619194093	-24.169786141187	VS	100	1
-46.81249860369	-24.17713418863	VS	100	1	-46.761405886518	-24.170119037163	VS	100	1
-46.812159099486	-24.177288289619	VS	100	1	-46.761234011702	-24.170376162982	VS	100	1
-46.906233520558	-24.235538033117	VS	100	1	-46.712769137549	-24.140638595782	VS	150	1
-46.835698586425	-24.201598860388	VS	70	1	-46.712552832651	-24.140531539493	VS	150	1
-46.835379754526	-24.201434621126	VS	70	1	-46.761973373169	-24.171954005628	VS	100	1
-46.776199484075	-24.175353050963	VS	70	1	-46.761732009673	-24.172125289464	VS	100	1
-46.795101378473	-24.164353259228	VS	70	1	-46.752616872697	-24.156363354626	VS	100	1
-46.795604783301	-24.163822116296	VS	70	1	-46.75356214815	-24.156242227926	VS	100	1
-46.80099584479	-24.156433308582	VS	70	1	-46.761694226516	-24.171349241602	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.800706129125	-24.156631802908	VS	70	1	-46.761408047452	-24.171556358334	VS	100	1
-46.800397213199	-24.156848276764	VS	70	1	-46.759965241443	-24.170806440308	VS	100	1
-46.795773014703	-24.160925276428	VS	70	1	-46.757465489377	-24.169250453208	VS	100	1
-46.795493318736	-24.161132600361	VS	70	1	-46.758371584278	-24.15939070753	VS	100	1
-46.795322934955	-24.161336783998	VS	70	1	-46.758335130525	-24.158556709952	VS	100	1
-46.840294470158	-24.210900137677	VS	70	1	-46.758209254015	-24.158758307712	VS	100	1
-46.868138765454	-24.228039258359	VS	70	1	-46.758084605506	-24.158507287129	VS	100	1
-46.868025807743	-24.229459084664	VS	100	1	-46.896471384037	-24.239024049191	VS	250	1
-46.87757306021	-24.227479126857	VS	100	1	-46.896388714974	-24.239623148712	VS	100	1
-46.875979506644	-24.225116739817	VS	100	1	-46.896260482087	-24.240400546041	VS	100	1
-46.881318254046	-24.224968677734	VS	70	1	-46.896028975526	-24.239361139794	VS	250	1
-46.880990186694	-24.225186948358	VS	70	1	-46.895929615181	-24.243806979788	VS	100	1
-46.776147315963	-24.172474818499	VS	100	1	-46.89578970882	-24.239537884042	VS	250	1
-46.820794785809	-24.190313877363	VS	125	1	-46.895674419551	-24.239736037164	VS	100	1
-46.838135366207	-24.164528266374	VS	70	1	-46.895657726053	-24.240655292534	VS	100	1
-46.838820795853	-24.164485913426	VS	70	1	-46.758051951668	-24.15877138951	VS	100	1
-46.838570237557	-24.164273723404	VS	70	1	-46.758053549648	-24.159223509402	VS	100	1
-46.838375110977	-24.164294393589	VS	70	1	-46.758019220402	-24.159048219655	VS	100	1
-46.784314041023	-24.168960074418	VS	100	1	-46.75771132342	-24.159051002832	VS	100	1
-46.838110367902	-24.164741302169	VS	70	1	-46.757357927385	-24.158862722774	VS	100	1
-46.838360915993	-24.164953501701	VS	70	1	-46.757029919974	-24.158686689216	VS	100	1
-46.838611493503	-24.165165728757	VS	70	1	-46.756761588805	-24.158545891577	VS	100	1
-46.837692698272	-24.164981103474	VS	100	1	-46.75647342576	-24.158396309763	VS	100	1
-46.778662273352	-24.176964683935	VS	100	1	-46.755906704501	-24.158088153419	VS	100	1
-46.788088109833	-24.177336964236	VS	100	1	-46.755794613576	-24.159261177172	VS	100	1
-46.776256420929	-24.157165964015	VS	70	1	-46.75577229026	-24.1586333363	VS	100	1
-46.722678486139	-24.133499213174	VS	100	1	-46.828767157385	-24.176420923872	VS	70	1
-46.722946563064	-24.133311086733	VS	100	1	-46.824809167982	-24.176667520597	VS	70	1
-46.723245849918	-24.133106706455	VS	100	1	-46.828406230916	-24.176848926071	VS	70	1
-46.723484393695	-24.132920112168	VS	100	1	-46.828309385858	-24.17526622258	VS	70	1
-46.723865421455	-24.133168950678	VS	100	1	-46.828288952843	-24.176220627445	VS	70	1
-46.723663784071	-24.132901164847	VS	100	1	-46.82817507799	-24.175342054681	VS	70	1
-46.722411954328	-24.133721721604	VS	100	1	-46.893880878129	-24.241787951416	VS	100	1
-46.722053350095	-24.133869793376	VS	100	1	-46.893632244956	-24.241629987899	VS	100	1
-46.723445204797	-24.132654522127	VS	100	1	-46.893368054924	-24.241301389396	VS	100	1
-46.784910099501	-24.177387987143	VS	100	1	-46.892956325527	-24.242940492038	VS	100	1
-46.723701417336	-24.13267147445	VS	100	1	-46.895523522587	-24.239735296886	VS	250	1
-46.910621920523	-24.237508319008	VS	70	1	-46.895442432248	-24.239496755369	VS	100	1
-46.910404991942	-24.237269580128	VS	70	1	-46.895425262666	-24.240389471	VS	100	1
-46.81252860352	-24.192832279939	VS	100	1	-46.89521046036	-24.239240188998	VS	100	1
-46.812380010698	-24.193075028645	VS	100	1	-46.89504959599	-24.243340806119	VS	100	1
-46.839519940743	-24.210677978286	VS	70	1	-46.894838350665	-24.240735550074	VS	100	1
-46.789238409336	-24.158362668657	VS	100	1	-46.894738225423	-24.239618540758	VS	100	1
-46.787567262965	-24.156585662554	VS	100	1	-46.894680464418	-24.240508941719	VS	100	1
-46.788649595632	-24.156250660898	VS	100	1	-46.894351724637	-24.241064611152	VS	100	1
-46.788761374309	-24.156706659333	VS	100	1	-46.893994762183	-24.239740668394	VS	100	1
-46.918574410683	-24.22653050398	VS	100	1	-46.893780308775	-24.240424989413	VS	100	1
-46.914126456735	-24.229779893983	VS	70	1	-46.893543747026	-24.240172705707	VS	100	1
-46.913865928275	-24.229969435657	VS	70	1	-46.892734045126	-24.24269232571	VS	100	1
-46.912201562317	-24.229673248655	VS	70	1	-46.894051440133	-24.241908730278	VS	100	1
-46.910304843631	-24.228841143859	VS	100	1	-46.892512065356	-24.242453183798	VS	100	1
-46.910041104684	-24.235268347752	VS	100	1	-46.892309728691	-24.242213887504	VS	100	1
-46.908867832875	-24.23361566887	VS	70	1	-46.892452375845	-24.241969149712	VS	100	1
-46.908593144664	-24.233830227456	VS	70	1	-46.755598710994	-24.15792979539	VS	100	1
-46.908380513869	-24.232453069788	VS	70	1	-46.755486167198	-24.159084964287	VS	100	1
-46.908317748813	-24.234012811377	VS	100	1	-46.755454271759	-24.158466151414	VS	100	1
-46.908110382252	-24.232651601552	VS	100	1	-46.757107090699	-24.156739445845	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.908057429482	-24.234211255221	VS	100	1	-46.756804594984	-24.157223203742	VS	100	1
-46.907878845072	-24.232823067113	VS	100	1	-46.75668164479	-24.157420382901	VS	100	1
-46.90775827735	-24.234427867248	VS	100	1	-46.756539694328	-24.157644484821	VS	70	1
-46.907589511996	-24.233039600911	VS	100	1	-46.756243285576	-24.158125579818	VS	70	1
-46.907144539729	-24.230844101934	VS	100	1	-46.756021139994	-24.158156587707	VS	100	1
-46.90713115955	-24.23488810241	VS	70	1	-46.756128871181	-24.158288944524	VS	70	1
-46.906942844618	-24.230631584761	VS	100	1	-46.755934526164	-24.158621430803	VS	70	1
-46.907020433202	-24.233463664655	VS	100	1	-46.755821453507	-24.158818442449	VS	70	1
-46.906831853819	-24.235104807302	VS	70	1	-46.755658362788	-24.159075239357	VS	100	1
-46.906690072085	-24.230339174797	VS	100	1	-46.826358328474	-24.174851514133	VS	70	1
-46.906647629144	-24.231503729904	VS	100	1	-46.826158102013	-24.175103045273	VS	70	1
-46.906657753959	-24.237060424603	VS	100	1	-46.824197730253	-24.196056150705	VS	100	1
-46.906458039538	-24.230091216153	VS	100	1	-46.826948783371	-24.17409748582	VS	70	1
-46.906532687824	-24.23532141607	VS	100	1	-46.826758492548	-24.174348794498	VS	70	1
-46.906338425688	-24.236857792866	VS	100	1	-46.826548811257	-24.174609146316	VS	70	1
-46.906021502279	-24.235700336965	VS	70	1	-46.824387258729	-24.195743086909	VS	100	1
-46.905999610808	-24.236655419974	VS	100	1	-46.812003624144	-24.188829374833	VS	100	1
-46.905850629355	-24.237149764038	VS	100	1	-46.824539646225	-24.176482214091	VS	70	1
-46.905767515574	-24.23577612217	VS	70	1	-46.893105342757	-24.240572388283	VS	100	1
-46.905720469193	-24.236488178165	VS	100	1	-46.896577144362	-24.243542587235	VS	100	1
-46.905714614082	-24.236677946684	VS	100	1	-46.896546941633	-24.243356003303	VS	100	1
-46.905581499695	-24.236991339413	VS	100	1	-46.896387899152	-24.243419502768	VS	100	1
-46.905540914503	-24.236804295868	VS	100	1	-46.896303157189	-24.239147116943	VS	100	1
-46.905481034001	-24.236338434161	VS	100	1	-46.896176772645	-24.239392857829	VS	100	1
-46.905362127043	-24.236859276356	VS	100	1	-46.896206447182	-24.243609358787	VS	100	1
-46.905354806382	-24.237597612923	VS	100	1	-46.896098958453	-24.240223380815	VS	100	1
-46.905241792548	-24.237020866518	VS	100	1	-46.755509200388	-24.159311381972	VS	100	1
-46.905122907515	-24.236718445995	VS	100	1	-46.755367667287	-24.15955330861	VS	100	1
-46.905015837323	-24.237395143468	VS	100	1	-46.760280979624	-24.151721433587	VS	70	1
-46.904981246611	-24.237210389327	VS	100	1	-46.759953573695	-24.151572146743	VS	70	1
-46.904505219181	-24.226789193494	VS	100	1	-46.759605708077	-24.151387327407	VS	70	1
-46.904686853154	-24.237201472204	VS	100	1	-46.759307737836	-24.151237821941	VS	70	1
-46.904013576808	-24.227168033267	VS	100	1	-46.758986077594	-24.151383438727	VS	70	1
-46.90407242362	-24.234015948186	VS	100	1	-46.759313421363	-24.151897973002	VS	70	1
-46.903870514664	-24.233794503763	VS	100	1	-46.824260294861	-24.176296989168	VS	70	1
-46.903849714504	-24.233543091787	VS	100	1	-46.828712846316	-24.176925688479	VS	70	1
-46.903492556456	-24.227547053115	VS	100	1	-46.827806716082	-24.175427754955	VS	70	1
-46.903658368835	-24.23355531801	VS	100	1	-46.827636537678	-24.175696692366	VS	70	1
-46.903464705428	-24.234402924908	VS	100	1	-46.827476118139	-24.175965608483	VS	70	1
-46.903195354649	-24.234243697507	VS	100	1	-46.827441675206	-24.176148673359	VS	70	1
-46.903175885128	-24.234042219384	VS	100	1	-46.82768111796	-24.176307436795	VS	70	1
-46.902896576944	-24.234068456265	VS	100	1	-46.827212398529	-24.175998852723	VS	100	1
-46.902742807308	-24.227896155292	VS	70	1	-46.826943295025	-24.175831395515	VS	100	1
-46.902587566812	-24.233883624459	VS	100	1	-46.826716982753	-24.176865906561	VS	100	1
-46.902581582211	-24.237550372703	VS	100	1	-46.825670651203	-24.176194002083	VS	70	1
-46.902534427152	-24.236897786602	VS	100	1	-46.896058118719	-24.24232762506	VS	100	1
-46.902389910946	-24.23768661127	VS	100	1	-46.896087856856	-24.243225205802	VS	100	1
-46.902312556749	-24.237060170456	VS	100	1	-46.895924341554	-24.239109501635	VS	100	1
-46.902178976884	-24.237698973908	VS	100	1	-46.896038164151	-24.24399316469	VS	100	1
-46.902090473992	-24.23722271951	VS	100	1	-46.895907097645	-24.240010772409	VS	100	1
-46.901764253921	-24.237211585863	VS	100	1	-46.895757949652	-24.24228211546	VS	100	1
-46.901395215495	-24.231003721176	VS	70	1	-46.895838382761	-24.243066609504	VS	100	1
-46.901246904658	-24.229848995833	VS	100	1	-46.895712186063	-24.238870287143	VS	100	1
-46.901320038357	-24.236724393289	VS	100	1	-46.895780449211	-24.242532121112	VS	100	1
-46.900949639041	-24.224876889972	VS	100	1	-46.895708511034	-24.243781467483	VS	100	1
-46.900973034708	-24.229537660084	VS	100	1	-46.89568822902	-24.24398756983	VS	100	1
-46.900493578891	-24.225214020014	VS	100	1	-46.825417023059	-24.174825965075	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.900707330658	-24.236979056792	VS	100	1	-46.895415635574	-24.242056037302	VS	100	1
-46.900438825886	-24.230885721675	VS	100	1	-46.895452049208	-24.242778191753	VS	100	1
-46.900465044824	-24.236713329207	VS	100	1	-46.895458811957	-24.243613947053	VS	100	1
-46.900227271195	-24.230638568515	VS	100	1	-46.895297122593	-24.242708121956	VS	100	1
-46.900269335038	-24.236262638399	VS	250	1	-46.895270739506	-24.241168654045	VS	100	1
-46.900212494449	-24.236429823189	VS	100	1	-46.895209286515	-24.241918477879	VS	100	1
-46.900057333473	-24.23702321999	VS	100	1	-46.895172943142	-24.24011488965	VS	100	1
-46.900008717566	-24.236445360592	VS	250	1	-46.89521940472	-24.243455441397	VS	100	1
-46.89991972448	-24.236110887446	VS	100	1	-46.895180529614	-24.242974548408	VS	100	1
-46.899794752029	-24.236730885906	VS	100	1	-46.895065390743	-24.240936673283	VS	100	1
-46.89978679484	-24.23660778415	VS	250	1	-46.823990774753	-24.176111681895	VS	70	1
-46.899647104187	-24.235809707674	VS	100	1	-46.823691363508	-24.175908766286	VS	70	1
-46.899574462236	-24.236761215102	VS	250	1	-46.823615853179	-24.177097001302	VS	70	1
-46.899552076076	-24.236447365875	VS	100	1	-46.823419834464	-24.175966619732	VS	70	1
-46.899309568865	-24.236172713416	VS	100	1	-46.823412024564	-24.175723540399	VS	70	1
-46.899064727342	-24.235897600945	VS	100	1	-46.823326184443	-24.176893946374	VS	70	1
-46.898701530554	-24.237395667608	VS	250	1	-46.823200303115	-24.176227065248	VS	70	1
-46.898274551795	-24.236020646704	VS	100	1	-46.823122655907	-24.175529464629	VS	70	1
-46.897810398316	-24.23422369228	VS	100	1	-46.823056664839	-24.176708637467	VS	70	1
-46.897363748826	-24.233734693795	VS	100	1	-46.823009580926	-24.176460531488	VS	70	1
-46.89680751078	-24.228295751358	VS	70	1	-46.822843318991	-24.175344228907	VS	70	1
-46.896900073801	-24.233733454591	VS	100	1	-46.894990996448	-24.240117998504	VS	250	1
-46.89595180317	-24.197696674933	VS	100	1	-46.894964479935	-24.242501157652	VS	100	1
-46.895671915212	-24.197895270089	VS	100	1	-46.894950604754	-24.239866670942	VS	100	1
-46.895382273349	-24.198093917039	VS	100	1	-46.894913390945	-24.241688333182	VS	100	1
-46.783894762765	-24.162401116742	VS	70	1	-46.894902050384	-24.243172943506	VS	100	1
-46.784242261918	-24.162184171584	VS	70	1	-46.894709132905	-24.240321550102	VS	100	1
-46.784595301896	-24.161976791312	VS	70	1	-46.894695406407	-24.242328009436	VS	100	1
-46.784958835837	-24.161757439125	VS	70	1	-46.894603865259	-24.24134199318	VS	100	1
-46.785325726287	-24.161535185588	VS	70	1	-46.894573776777	-24.243407636409	VS	100	1
-46.785692694512	-24.161309930923	VS	70	1	-46.894569394354	-24.24384592027	VS	100	1
-46.786059592678	-24.161087666516	VS	70	1	-46.82278683025	-24.176505584979	VS	70	1
-46.893373442729	-24.225536198412	VS	100	1	-46.822507491722	-24.17632035744	VS	70	1
-46.890490099541	-24.236573897631	VS	100	1	-46.822294447379	-24.17497370962	VS	70	1
-46.89006285329	-24.236284552188	VS	100	1	-46.82224799533	-24.176143896659	VS	70	1
-46.890328424629	-24.236087583261	VS	100	1	-46.822024713096	-24.174779476709	VS	70	1
-46.890594272355	-24.235902784533	VS	100	1	-46.821968658744	-24.175958659328	VS	70	1
-46.890987219342	-24.234927616906	VS	100	1	-46.821793366764	-24.174627419134	VS	70	1
-46.890682841335	-24.234778493834	VS	100	1	-46.821540107776	-24.176916696082	VS	70	1
-46.894866134624	-24.233456075513	VS	100	1	-46.821515358215	-24.174441352292	VS	70	1
-46.894524044908	-24.233259542165	VS	100	1	-46.894442460592	-24.240243636429	VS	100	1
-46.894235217415	-24.233067990698	VS	100	1	-46.894470005811	-24.240496898068	VS	250	1
-46.893891887148	-24.232860557675	VS	100	1	-46.894385433244	-24.242122531248	VS	100	1
-46.890669578638	-24.23407951735	VS	100	1	-46.894227006572	-24.239997568422	VS	100	1
-46.890363015157	-24.233939107849	VS	100	1	-46.894313428094	-24.243606051321	VS	100	1
-46.712003937756	-24.144218587747	VS	100	1	-46.894209663372	-24.240695322639	VS	250	1
-46.711685811422	-24.144042384281	VS	100	1	-46.894179807026	-24.240872529343	VS	100	1
-46.907354869949	-24.232112448081	VS	70	1	-46.893946507336	-24.240627619622	VS	100	1
-46.907101423213	-24.231836683021	VS	70	1	-46.894024169477	-24.24382246576	VS	100	1
-46.906860643316	-24.231574693603	VS	70	1	-46.89393376898	-24.240880126146	VS	250	1
-46.906608357975	-24.231300185475	VS	70	1	-46.893678711312	-24.241074391564	VS	250	1
-46.906406231999	-24.231069821094	VS	70	1	-46.824379451793	-24.172906770846	VS	70	1
-46.906183798834	-24.230812860438	VS	70	1	-46.821936749856	-24.172568694346	VS	70	1
-46.905931647029	-24.230547164329	VS	70	1	-46.824070446694	-24.172712853035	VS	70	1
-46.905580480188	-24.229922742613	VS	70	1	-46.823791324017	-24.172536542297	VS	70	1
-46.905271400991	-24.229983266567	VS	70	1	-46.82358229683	-24.173644514769	VS	70	1
-46.906163523456	-24.229506164293	VS	70	1	-46.823521734692	-24.172351188103	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.90907141716	-24.230798656343	VS	70	1	-46.823332613757	-24.173467982859	VS	100	1
-46.908901817577	-24.230596418784	VS	70	1	-46.823227480916	-24.172169403394	VS	70	1
-46.908732144095	-24.23039159132	VS	70	1	-46.823108437829	-24.171976557123	VS	70	1
-46.901871768939	-24.232634421724	VS	70	1	-46.823083381834	-24.173309287696	VS	70	1
-46.902091559464	-24.232475317772	VS	70	1	-46.822917764198	-24.17196908974	VS	70	1
-46.902351872665	-24.23227688464	VS	70	1	-46.822908615613	-24.172236777332	VS	70	1
-46.903558213476	-24.231401388913	VS	70	1	-46.822814290019	-24.173141824633	VS	70	1
-46.896184641477	-24.236159615719	VS	70	1	-46.822708730984	-24.172497076616	VS	70	1
-46.904092609409	-24.238022485346	VS	70	1	-46.822624420838	-24.171778123649	VS	70	1
-46.904324864201	-24.238279371971	VS	70	1	-46.822522889901	-24.172954788297	VS	70	1
-46.838632921655	-24.207450922088	VS	100	1	-46.822508692051	-24.172757560645	VS	70	1
-46.84223016314	-24.209411998219	VS	70	1	-46.836233913097	-24.206785532673	VS	100	1
-46.831524275388	-24.18433272953	VS	70	1	-46.835903936799	-24.206618391333	VS	100	1
-46.829246749193	-24.203297193827	VS	70	1	-46.896491470094	-24.237911371214	VS	100	1
-46.841126384944	-24.20884942937	VS	70	1	-46.896049121092	-24.237403738838	VS	100	1
-46.839786356615	-24.208022294459	VS	70	1	-46.895995097541	-24.238260222994	VS	100	1
-46.839574638743	-24.207919281389	VS	70	1	-46.895871132229	-24.237010110421	VS	100	1
-46.832796721914	-24.194402437884	VS	70	1	-46.895826702475	-24.237146755441	VS	100	1
-46.832619259632	-24.194705431638	VS	70	1	-46.895769524212	-24.238012946147	VS	100	1
-46.832439414985	-24.195001264155	VS	70	1	-46.895626135097	-24.237186014842	VS	100	1
-46.842575882071	-24.209966387407	VS	70	1	-46.895547105355	-24.237755962288	VS	100	1
-46.825430056844	-24.198777753493	VS	70	1	-46.895384899776	-24.237357440004	VS	100	1
-46.826120983579	-24.198826844833	VS	70	1	-46.895344908082	-24.237525483116	VS	100	1
-46.825136310152	-24.196509947519	VS	70	1	-46.822325241362	-24.171584129836	VS	70	1
-46.835896653085	-24.185899563599	VS	70	1	-46.822308657267	-24.173008848078	VS	70	1
-46.836186939655	-24.185656253981	VS	70	1	-46.822216079772	-24.17275393078	VS	150	1
-46.836450271492	-24.185407617012	VS	70	1	-46.822127749915	-24.173242231311	VS	70	1
-46.836710588361	-24.184942103995	VS	70	1	-46.89513416711	-24.237546857628	VS	100	1
-46.836436422378	-24.184684513826	VS	70	1	-46.824186440632	-24.173128392635	VS	70	1
-46.817292896628	-24.195718420276	VS	70	1	-46.824014864333	-24.173343930211	VS	70	1
-46.817912599404	-24.195297505801	VS	70	1	-46.823853158967	-24.17355932357	VS	70	1
-46.818401548631	-24.19487515829	VS	70	1	-46.822030434445	-24.18530688139	VS	100	1
-46.818138892717	-24.194772315049	VS	70	1	-46.834458516398	-24.17308072634	VS	100	1
-46.816966357839	-24.194320512319	VS	70	1	-46.834454516261	-24.173321672017	VS	100	1
-46.816701572803	-24.194218834456	VS	70	1	-46.823740894798	-24.185817480853	VS	70	1
-46.855410945034	-24.219003450684	VS	70	1	-46.823377910614	-24.185829193444	VS	70	1
-46.855603323467	-24.219225500289	VS	70	1	-46.896261519041	-24.237651894644	VS	100	1
-46.85569988154	-24.218955706217	VS	70	1	-46.896233978586	-24.23852670363	VS	100	1
-46.872278573536	-24.225065988994	VS	70	1	-46.896421874404	-24.238747301244	VS	100	1
-46.880961978147	-24.221973811914	VS	70	1	-46.895065956805	-24.238132542199	VS	100	1
-46.880653276936	-24.222190272098	VS	70	1	-46.895251545351	-24.23838630465	VS	100	1
-46.880329008114	-24.222429094201	VS	70	1	-46.89546467241	-24.238604411069	VS	100	1
-46.880088144811	-24.222597025593	VS	100	1	-46.825846787131	-24.184279030076	VS	70	1
-46.879994744801	-24.222281199802	VS	70	1	-46.82555727597	-24.185762082349	VS	70	1
-46.883625249842	-24.217966450294	VS	70	1	-46.825519871652	-24.184703085903	VS	70	1
-46.877789887449	-24.221867909579	VS	70	1	-46.825503939961	-24.184438649909	VS	100	1
-46.878330623555	-24.221488797216	VS	70	1	-46.825230819519	-24.185758256981	VS	70	1
-46.878600776529	-24.2212903216	VS	70	1	-46.825238421176	-24.184684518947	VS	70	1
-46.782840983616	-24.15849626297	VS	70	1	-46.825199790196	-24.18521530685	VS	70	1
-46.782813193702	-24.158740694434	VS	70	1	-46.824924403018	-24.185228389559	VS	70	1
-46.788519439926	-24.16435154409	VS	70	1	-46.824909749827	-24.184695058098	VS	70	1
-46.788426929472	-24.164606764536	VS	70	1	-46.824867758359	-24.185770818581	VS	70	1
-46.78814059293	-24.164838556119	VS	70	1	-46.824571611237	-24.184710196424	VS	70	1
-46.862480763995	-24.218732696819	VS	70	1	-46.824541826969	-24.18524026187	VS	70	1
-46.771315079336	-24.167275301954	VS	70	1	-46.824504851994	-24.185784059752	VS	70	1
-46.771552313781	-24.167211252968	VS	70	1	-46.824479089294	-24.184187711704	VS	70	1
-46.771822680578	-24.167021886592	VS	70	1	-46.824241599244	-24.184720859614	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.771243360038	-24.16742763079	VS	70	1	-46.824085063131	-24.185255534134	VS	70	1
-46.770915981939	-24.167659147254	VS	70	1	-46.824104104353	-24.185794638758	VS	70	1
-46.886943934149	-24.232565368719	VS	70	1	-46.823932371069	-24.184729513825	VS	70	1
-46.886630594129	-24.232794580305	VS	70	1	-46.823693224645	-24.18526783533	VS	70	1
-46.808144301233	-24.148530413183	VS	70	1	-46.823731664669	-24.184211444362	VS	70	1
-46.821736070194	-24.187947760476	VS	70	1	-46.82356167957	-24.185272393777	VS	70	1
-46.869562025132	-24.215408580525	VS	70	1	-46.82352858677	-24.184740792726	VS	70	1
-46.869298124188	-24.21560652448	VS	70	1	-46.823413832263	-24.184223891692	VS	70	1
-46.869048668743	-24.215790335002	VS	70	1	-46.823237300753	-24.185285986142	VS	70	1
-46.830727438784	-24.201524052051	VS	70	1	-46.823196353929	-24.184754160588	VS	70	1
-46.87799536933	-24.230303083214	VS	100	1	-46.823084214503	-24.184234265771	VS	70	1
-46.865307592636	-24.212736488533	VS	70	1	-46.822913356998	-24.185297389833	VS	70	1
-46.865064983494	-24.212921434388	VS	70	1	-46.822881098937	-24.184762277562	VS	70	1
-46.86478686766	-24.213116918994	VS	70	1	-46.822835154861	-24.185711008475	VS	70	1
-46.864497088699	-24.213315530023	VS	70	1	-46.822721235036	-24.184245977398	VS	70	1
-46.864502716316	-24.214053597699	VS	70	1	-46.822667532084	-24.18514029084	VS	70	1
-46.834144187421	-24.165982556894	VS	70	1	-46.822671356923	-24.18535687969	VS	70	1
-46.840706402671	-24.171405184249	VS	70	1	-46.822644289842	-24.184345079264	VS	70	1
-46.840434279816	-24.171169000487	VS	70	1	-46.822640857317	-24.184594638877	VS	70	1
-46.840139701945	-24.170929191412	VS	70	1	-46.822577192547	-24.185588215679	VS	70	1
-46.824574532659	-24.156201405457	VS	70	1	-46.821909721823	-24.1857036172	VS	70	1
-46.8235751787	-24.156450619593	VS	100	1	-46.893760685337	-24.236075214364	VS	100	1
-46.823835006201	-24.156664157246	VS	100	1	-46.89353043613	-24.236433792151	VS	100	1
-46.821937151932	-24.156773560224	VS	70	1	-46.893742369016	-24.236664085508	VS	100	1
-46.821696898706	-24.1565791116	VS	70	1	-46.893964557725	-24.236912147876	VS	100	1
-46.821712453172	-24.156375261941	VS	70	1	-46.894186766634	-24.237160219569	VS	100	1
-46.821025192014	-24.162489354678	VS	100	1	-46.894409181582	-24.237417204935	VS	100	1
-46.842739846708	-24.170042485303	VS	70	1	-46.89462133235	-24.237656420636	VS	100	1
-46.842437912559	-24.169790037302	VS	70	1	-46.894833579242	-24.237895728882	VS	100	1
-46.842183512498	-24.169572490218	VS	70	1	-46.894321764756	-24.238139331138	VS	100	1
-46.731215078534	-24.145145842886	VS	70	1	-46.894331902832	-24.238265692423	VS	100	1
-46.731007841708	-24.144915770747	VS	70	1	-46.894543839866	-24.238495985217	VS	100	1
-46.726719124051	-24.148914995585	VS	70	1	-46.825504133215	-24.184200550328	VS	100	1
-46.731284987905	-24.141856417594	VS	70	1	-46.825169267747	-24.184009492741	VS	100	1
-46.731041930334	-24.141574838582	VS	70	1	-46.825127837883	-24.184164865788	VS	100	1
-46.730477914805	-24.141396318054	VS	70	1	-46.824781598999	-24.184185525746	VS	100	1
-46.730616323615	-24.141040385063	VS	70	1	-46.824085082529	-24.184208736408	VS	100	1
-46.731239363041	-24.142561022647	VS	70	1	-46.822683939389	-24.185560797985	VS	70	1
-46.731501672609	-24.142360531535	VS	70	1	-46.828014527526	-24.179384014477	VS	70	1
-46.731803274812	-24.142139188171	VS	70	1	-46.827838236624	-24.178899274834	VS	70	1
-46.732092305938	-24.141925371389	VS	70	1	-46.827565259236	-24.181298712853	VS	70	1
-46.899062282698	-24.230115661004	VS	70	1	-46.827197585507	-24.179229174084	VS	70	1
-46.898829459597	-24.229849349222	VS	70	1	-46.826834020151	-24.178979929185	VS	70	1
-46.841642077283	-24.212723052058	VS	70	1	-46.894775858764	-24.238743969857	VS	100	1
-46.727319617846	-24.150927314125	VS	70	1	-46.893277994196	-24.236439295205	VS	100	1
-46.73006261459	-24.147432354513	VS	70	1	-46.893027397199	-24.236626918575	VS	100	1
-46.730526904498	-24.147982202953	VS	70	1	-46.893008757885	-24.236786160707	VS	100	1
-46.731172987624	-24.148753738132	VS	70	1	-46.89322172914	-24.237022677178	VS	100	1
-46.731384889202	-24.149002044231	VS	70	1	-46.893473224414	-24.237299961464	VS	100	1
-46.731618627802	-24.149268199311	VS	70	1	-46.893716677821	-24.237508700778	VS	100	1
-46.775076890916	-24.157302355806	VS	70	1	-46.893894763742	-24.237796921345	VS	100	1
-46.732588928804	-24.144538794511	VS	70	1	-46.89411058987	-24.238030376295	VS	100	1
-46.73239707328	-24.144308190266	VS	70	1	-46.826615732998	-24.180190715844	VS	70	1
-46.732164972859	-24.14404198386	VS	70	1	-46.826552380583	-24.181166238567	VS	70	1
-46.734643595088	-24.142666598856	VS	70	1	-46.826408181324	-24.179957928187	VS	70	1
-46.734613709801	-24.142490151899	VS	70	1	-46.826215480852	-24.180633311382	VS	70	1
-46.734875282673	-24.142504379829	VS	70	1	-46.826171837562	-24.179681001575	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.735172671687	-24.142296154783	VS	70	1	-46.826051974291	-24.180366884002	VS	70	1
-46.882550164562	-24.218247811133	VS	70	1	-46.825697199721	-24.179794191973	VS	70	1
-46.882315192017	-24.218586705691	VS	70	1	-46.825550743676	-24.179572491691	VS	70	1
-46.862132489445	-24.223498264451	VS	70	1	-46.825395559156	-24.17931163864	VS	70	1
-46.862469205799	-24.223692688269	VS	70	1	-46.82518374648	-24.178997408038	VS	70	1
-46.862724871941	-24.223856377803	VS	70	1	-46.824110363489	-24.17944788736	VS	70	1
-46.880181389464	-24.22027758347	VS	70	1	-46.823935014601	-24.179995272924	VS	70	1
-46.880784629237	-24.219836273061	VS	70	1	-46.823810954873	-24.179244971231	VS	70	1
-46.881410191712	-24.219395898142	VS	70	1	-46.892753512583	-24.236830213857	VS	100	1
-46.88200505743	-24.218966770738	VS	70	1	-46.892974081266	-24.236060456398	VS	100	1
-46.882847522787	-24.220395372624	VS	70	1	-46.89315610608	-24.236273144218	VS	100	1
-46.882600691628	-24.22011656168	VS	70	1	-46.892651184081	-24.236619670849	VS	100	1
-46.762802776478	-24.165901921009	VS	70	1	-46.892419172755	-24.236371692981	VS	100	1
-46.731003040746	-24.152773448681	VS	100	1	-46.892210740077	-24.236138751668	VS	100	1
-46.730438784839	-24.152431927737	VS	100	1	-46.89186502912	-24.23597925317	VS	100	1
-46.733018162548	-24.153185621578	VS	100	1	-46.822360765746	-24.178952762203	VS	70	1
-46.73270333464	-24.15301699578	VS	100	1	-46.822204183481	-24.182037238266	VS	70	1
-46.73242390786	-24.152870213753	VS	100	1	-46.822020573148	-24.179329977802	VS	70	1
-46.732119705457	-24.152716264077	VS	100	1	-46.821941677411	-24.182058189208	VS	70	1
-46.731839656106	-24.152566975438	VS	100	1	-46.821854886508	-24.181704127559	VS	70	1
-46.731500511713	-24.152395475382	VS	100	1	-46.8214711083347	-24.17895151196	VS	70	1
-46.826030488039	-24.190173579839	VS	150	1	-46.828183325621	-24.182098268622	VS	70	1
-46.825410916821	-24.191200000541	VS	150	1	-46.828030866045	-24.181352202043	VS	70	1
-46.825573383467	-24.190931875881	VS	150	1	-46.827968541314	-24.180108854349	VS	70	1
-46.825744559857	-24.190651024835	VS	150	1	-46.827947969442	-24.182218339623	VS	70	1
-46.825903034096	-24.190379895979	VS	150	1	-46.827796878826	-24.179913792568	VS	70	1
-46.824770087458	-24.192267010449	VS	150	1	-46.82774420872	-24.17957347978	VS	70	1
-46.824953244498	-24.191974552239	VS	150	1	-46.894895384755	-24.236129208585	VS	100	1
-46.825103839872	-24.191718184054	VS	150	1	-46.827759777703	-24.181542520365	VS	70	1
-46.825255711403	-24.191458830288	VS	150	1	-46.827665618956	-24.179763115317	VS	70	1
-46.82460765022	-24.192288509923	VS	70	1	-46.827608707796	-24.180877275745	VS	70	1
-46.82425352107	-24.192118269564	VS	70	1	-46.827604901488	-24.182281198635	VS	70	1
-46.823904693652	-24.191950049331	VS	70	1	-46.82752208051	-24.179726902993	VS	70	1
-46.823868753309	-24.191814029712	VS	70	1	-46.827484076835	-24.179559406527	VS	70	1
-46.824016021152	-24.191541910639	VS	70	1	-46.827440981527	-24.181550947377	VS	70	1
-46.824175390736	-24.191288380958	VS	70	1	-46.827342863454	-24.18103274577	VS	70	1
-46.824370271826	-24.190972758419	VS	70	1	-46.827271171336	-24.17990729726	VS	70	1
-46.824532151613	-24.190887229842	VS	70	1	-46.827243609195	-24.180493622795	VS	70	1
-46.82488678878	-24.191063208357	VS	70	1	-46.827262851377	-24.182346293674	VS	70	1
-46.825235389248	-24.191243492466	VS	70	1	-46.827075538215	-24.17881745443	VS	100	1
-46.825608089404	-24.191427150903	VS	70	1	-46.82705868273	-24.180051688373	VS	70	1
-46.82588553972	-24.191560121888	VS	70	1	-46.905624203664	-24.232022036727	VS	70	1
-46.826176766136	-24.191708914833	VS	70	1	-46.827069268568	-24.18149668575	VS	70	1
-46.826442016473	-24.191840486355	VS	70	1	-46.827029774469	-24.180669343736	VS	70	1
-46.824497076046	-24.190746978485	VS	70	1	-46.826989068908	-24.178983170309	VS	70	1
-46.824652999872	-24.190470651126	VS	70	1	-46.826930401503	-24.182402391638	VS	70	1
-46.824808809058	-24.190194500703	VS	70	1	-46.826894552939	-24.181725041703	VS	70	1
-46.824992684045	-24.189916379254	VS	100	1	-46.826813654431	-24.180227103815	VS	70	1
-46.825160795733	-24.189895891246	VS	70	1	-46.826807811991	-24.180421212732	VS	70	1
-46.82548675306	-24.190053716341	VS	70	1	-46.826729879039	-24.18145695987	VS	70	1
-46.825870065842	-24.190251838202	VS	70	1	-46.826602523059	-24.179151243508	VS	70	1
-46.826222502091	-24.190433541524	VS	70	1	-46.826588340846	-24.182467493804	VS	70	1
-46.826457383108	-24.190543272274	VS	70	1	-46.826528030512	-24.18043947145	VS	70	1
-46.82677764773	-24.190704274722	VS	70	1	-46.826558754692	-24.182636797511	VS	70	1
-46.827042575908	-24.190836647648	VS	70	1	-46.82635848474	-24.180864203139	VS	70	1
-46.824957082029	-24.192453328236	VS	70	1	-46.733862801875	-24.096515449033	VS	70	1
-46.825167512043	-24.192576275005	VS	70	1	-46.826356905573	-24.182306729231	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.825486929196	-24.192734714767	VS	70	1	-46.826047901636	-24.181773655826	VS	70	1
-46.825807616106	-24.192888302078	VS	70	1	-46.826006955945	-24.179486060948	VS	70	1
-46.826093057157	-24.193033438536	VS	70	1	-46.825917444615	-24.181551618998	VS	70	1
-46.826428843509	-24.193174050087	VS	70	1	-46.825872443322	-24.180071364029	VS	70	1
-46.826698725667	-24.193331877091	VS	100	1	-46.826029538062	-24.18198942936	VS	70	1
-46.825939779473	-24.192865330678	VS	70	1	-46.825720507346	-24.181218998135	VS	70	1
-46.826110496467	-24.192609801944	VS	70	1	-46.825815510239	-24.182161292963	VS	70	1
-46.826276207981	-24.192323877757	VS	70	1	-46.825579625886	-24.180978498865	VS	70	1
-46.826445921798	-24.192045708702	VS	70	1	-46.825644249635	-24.182295605271	VS	70	1
-46.826952808273	-24.193346933836	VS	70	1	-46.825414442666	-24.180694795236	VS	70	1
-46.827106432996	-24.193090150622	VS	70	1	-46.82523560316	-24.18038412859	VS	70	1
-46.827278253697	-24.192792563656	VS	70	1	-46.825246772873	-24.181593153747	VS	70	1
-46.827439063824	-24.192543866071	VS	70	1	-46.8253449981	-24.182525123352	VS	70	1
-46.82741897296	-24.192326749301	VS	70	1	-46.825108212765	-24.180710657839	VS	70	1
-46.827044402169	-24.192144522102	VS	70	1	-46.825043071935	-24.180049401098	VS	70	1
-46.82668024804	-24.191961488866	VS	70	1	-46.825077058915	-24.18274587956	VS	70	1
-46.827579838447	-24.192293158196	VS	70	1	-46.824969237519	-24.182528060339	VS	70	1
-46.827996531793	-24.191308327626	VS	70	1	-46.82487839232	-24.179782877496	VS	70	1
-46.827647908166	-24.191138254996	VS	70	1	-46.824872375091	-24.182305411585	VS	70	1
-46.827317904059	-24.190972325758	VS	70	1	-46.824826774597	-24.180846662528	VS	70	1
-46.827062924878	-24.191016580228	VS	70	1	-46.82483521206	-24.182499048535	VS	70	1
-46.826932822748	-24.191242037906	VS	70	1	-46.82479738042	-24.181969408896	VS	70	1
-46.826728532869	-24.191571471366	VS	70	1	-46.824736710834	-24.179556456916	VS	70	1
-46.826593311521	-24.191797139831	VS	70	1	-46.824713933026	-24.18176488072	VS	70	1
-46.879216480163	-24.234840149722	VS	100	1	-46.824565109595	-24.179016881609	VS	70	1
-46.878884948673	-24.235822406785	VS	100	1	-46.824535524742	-24.180982749079	VS	70	1
-46.826732849275	-24.189499564699	VS	70	1	-46.824569911828	-24.182590901634	VS	70	1
-46.827047536156	-24.189690508966	VS	70	1	-46.824475336755	-24.181231491456	VS	70	1
-46.827299213809	-24.18984549078	VS	70	1	-46.82435019979	-24.180928969099	VS	70	1
-46.827566991198	-24.189999885891	VS	70	1	-46.82427551199	-24.178813883935	VS	100	1
-46.827604863196	-24.190127419773	VS	70	1	-46.824244544771	-24.181127723207	VS	70	1
-46.827437815205	-24.190392121693	VS	70	1	-46.82427801668	-24.182700218912	VS	70	1
-46.827235156894	-24.190736423291	VS	70	1	-46.824225539411	-24.180644401698	VS	70	1
-46.828034459872	-24.190287973502	VS	70	1	-46.824255390269	-24.183106924844	VS	70	1
-46.828255482825	-24.190418247917	VS	70	1	-46.824100869976	-24.180359824986	VS	70	1
-46.828504111811	-24.190563118573	VS	70	1	-46.824140181297	-24.182844732874	VS	70	1
-46.828524442298	-24.190704768437	VS	70	1	-46.82403980029	-24.182793643571	VS	70	1
-46.828372150557	-24.19096578277	VS	70	1	-46.824016667823	-24.182573197781	VS	70	1
-46.828200325532	-24.191263371438	VS	70	1	-46.823912710724	-24.182333079189	VS	70	1
-46.828805298578	-24.190764040067	VS	70	1	-46.823491695909	-24.179033278288	VS	70	1
-46.829140179726	-24.19095380316	VS	70	1	-46.823488309163	-24.179711380748	VS	70	1
-46.8294449401403	-24.191138047701	VS	70	1	-46.823212561806	-24.178856964821	VS	70	1
-46.829687781599	-24.191279299829	VS	70	1	-46.823208963446	-24.179526144456	VS	70	1
-46.830071099869	-24.19149117983	VS	70	1	-46.822958903515	-24.179984148911	VS	70	1
-46.830375159885	-24.191656239323	VS	70	1	-46.822946903037	-24.179349135887	VS	70	1
-46.830731660685	-24.191871332006	VS	70	1	-46.876619645759	-24.229714256422	VS	100	1
-46.829202226894	-24.191726261208	VS	70	1	-46.892858674902	-24.240380926448	VS	100	1
-46.829344049793	-24.191510219704	VS	70	1	-46.89246770641	-24.239958220374	VS	100	1
-46.8294787664	-24.191265194892	VS	70	1	-46.822602785662	-24.179115895908	VS	70	1
-46.830234987259	-24.192136408253	VS	70	1	-46.892308152275	-24.239785748462	VS	100	1
-46.828327109918	-24.191469970642	VS	70	1	-46.891942830286	-24.239874052016	VS	100	1
-46.828671146765	-24.191649653504	VS	70	1	-46.89175481144	-24.240002701171	VS	100	1
-46.828980870231	-24.191807658057	VS	70	1	-46.82255244159	-24.183402646126	VS	70	1
-46.829317491492	-24.191985125766	VS	70	1	-46.822435082777	-24.182388700899	VS	70	1
-46.829660952749	-24.192145757952	VS	70	1	-46.89155369376	-24.240145737851	VS	100	1
-46.829950428707	-24.192285426082	VS	70	1	-46.822328419922	-24.183217817128	VS	70	1
-46.830332632251	-24.192465241085	VS	70	1	-46.822301088473	-24.183565184667	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.830617621545	-24.192619887075	VS	70	1	-46.893624490466	-24.240907373438	VS	100	1
-46.828551991726	-24.192799190406	VS	70	1	-46.891366834453	-24.240269801334	VS	100	1
-46.828723026366	-24.192531648428	VS	70	1	-46.893334951057	-24.240722237205	VS	100	1
-46.828876086707	-24.192251622034	VS	70	1	-46.892250772485	-24.239645784418	VS	100	1
-46.82904845254	-24.191977263804	VS	70	1	-46.892557629531	-24.239423708139	VS	100	1
-46.830034661892	-24.192487954825	VS	70	1	-46.892803929289	-24.239238440605	VS	100	1
-46.829866690877	-24.192772568857	VS	70	1	-46.822184745771	-24.182185406017	VS	70	1
-46.829694138765	-24.19304118875	VS	70	1	-46.822128027337	-24.183049820291	VS	70	1
-46.829554262539	-24.193273458645	VS	70	1	-46.822069236802	-24.183718601924	VS	70	1
-46.827703793391	-24.192475580382	VS	70	1	-46.821934084772	-24.181964349359	VS	70	1
-46.828034716445	-24.192635457607	VS	70	1	-46.821887873744	-24.182864241378	VS	70	1
-46.828406976012	-24.192817520108	VS	70	1	-46.821749974863	-24.179145727569	VS	70	1
-46.828687218862	-24.192961815203	VS	70	1	-46.821784275854	-24.181428011835	VS	70	1
-46.829098912444	-24.193168083585	VS	70	1	-46.821703664714	-24.18225111655	VS	70	1
-46.829393551753	-24.193311320617	VS	70	1	-46.821673367123	-24.181082394255	VS	70	1
-46.829683626761	-24.193459517102	VS	70	1	-46.821657179082	-24.182660781611	VS	70	1
-46.830378248452	-24.193809346637	VS	70	1	-46.821558112981	-24.180779916231	VS	70	1
-46.827939198206	-24.19383337244	VS	70	1	-46.891100518765	-24.240488426856	VS	100	1
-46.828108579819	-24.193558735571	VS	70	1	-46.715597335846	-24.138346825107	VS	100	1
-46.82842762125	-24.193004403221	VS	70	1	-46.824243330479	-24.179603329437	VS	250	1
-46.82941162015	-24.193519717602	VS	70	1	-46.823986886597	-24.179786973995	VS	250	1
-46.829250213025	-24.193781672851	VS	70	1	-46.823688616843	-24.179903608224	VS	250	1
-46.829085734042	-24.194050702398	VS	70	1	-46.823444852816	-24.180013009952	VS	250	1
-46.852135058595	-24.217943887555	VS	100	1	-46.823079507123	-24.180174811856	VS	250	1
-46.852342969754	-24.218200274396	VS	100	1	-46.822737145859	-24.180238445918	VS	250	1
-46.851953421084	-24.217667074303	VS	100	1	-46.822501494063	-24.180221717964	VS	250	1
-46.81948100209	-24.195594223959	VS	70	1	-46.82237939994	-24.180295859588	VS	250	1
-46.818733487404	-24.195616010653	VS	70	1	-46.822017383743	-24.180325394811	VS	250	1
-46.828921669921	-24.194324774029	VS	70	1	-46.821641144321	-24.180359208986	VS	250	1
-46.827046917211	-24.193508693578	VS	70	1	-46.822821938502	-24.181073953597	VS	100	1
-46.827407873488	-24.193691070732	VS	70	1	-46.822696421035	-24.18075369435	VS	100	1
-46.827745245472	-24.193860944242	VS	70	1	-46.822581145171	-24.180451207256	VS	100	1
-46.828030679576	-24.193991056551	VS	70	1	-46.71583413889	-24.138179741342	VS	100	1
-46.82834494771	-24.194150891576	VS	70	1	-46.821494810948	-24.180214406496	VS	70	1
-46.828676730229	-24.194316219178	VS	70	1	-46.821458073973	-24.179911316118	VS	70	1
-46.824160513158	-24.193285186896	VS	150	1	-46.824517732512	-24.179408131568	VS	250	1
-46.824325444907	-24.193018808827	VS	150	1	-46.824807395034	-24.179209664152	VS	250	1
-46.818316364116	-24.195589885552	VS	70	1	-46.824026048823	-24.178646274923	VS	100	1
-46.818546625466	-24.195355415591	VS	70	1	-46.824913907829	-24.178005985995	VS	70	1
-46.818769560214	-24.195172793146	VS	70	1	-46.824664215015	-24.177829454938	VS	70	1
-46.824490800371	-24.192732787164	VS	150	1	-46.824164947604	-24.177476449146	VS	100	1
-46.824641691012	-24.192498769498	VS	150	1	-46.823766153608	-24.178451998411	VS	70	1
-46.824779449254	-24.192536296993	VS	150	1	-46.822907584989	-24.178645870134	VS	70	1
-46.823953238538	-24.193383993526	VS	70	1	-46.822613608173	-24.178442262606	VS	70	1
-46.823611091014	-24.19321821867	VS	70	1	-46.822350856897	-24.177260370758	VS	70	1
-46.818959041171	-24.194973157353	VS	70	1	-46.822344086904	-24.178256952157	VS	70	1
-46.823127564802	-24.193053610824	VS	70	1	-46.822119019046	-24.177304966316	VS	70	1
-46.823236677534	-24.192853258814	VS	70	1	-46.822091233846	-24.178767459956	VS	70	1
-46.823393262111	-24.192602953735	VS	70	1	-46.821995171111	-24.1780365626	VS	70	1
-46.823571474517	-24.192311227405	VS	70	1	-46.821831954036	-24.178599911787	VS	70	1
-46.824346089922	-24.193576449309	VS	70	1	-46.821675487958	-24.177807030136	VS	70	1
-46.824597673733	-24.193700048656	VS	70	1	-46.821572454644	-24.178423449387	VS	70	1
-46.823750458103	-24.192018430998	VS	70	1	-46.82552275604	-24.178420662543	VS	100	1
-46.824871770403	-24.193839809106	VS	70	1	-46.825223346874	-24.178217749202	VS	100	1
-46.825139550907	-24.193975248421	VS	70	1	-46.824424449582	-24.177652907357	VS	100	1
-46.825420093202	-24.19411330954	VS	70	1	-46.823895415338	-24.177291150144	VS	70	1
-46.825706059038	-24.19425838924	VS	70	1	-46.890433492298	-24.239619948307	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.826033379754	-24.194421165551	VS	70	1	-46.890104539623	-24.239420450259	VS	100	1
-46.826235742452	-24.194523666947	VS	70	1	-46.889846398405	-24.239008184138	VS	100	1
-46.825328396085	-24.193903271118	VS	70	1	-46.890879994133	-24.243122786777	VS	250	1
-46.825459318165	-24.193676368343	VS	70	1	-46.889584348571	-24.244057686469	VS	250	1
-46.825639381976	-24.193380236115	VS	70	1	-46.89376477839	-24.24386197095	VS	100	1
-46.825827076439	-24.193074629694	VS	70	1	-46.892704030321	-24.241787255603	VS	100	1
-46.826316101597	-24.19439808703	VS	70	1	-46.823506651277	-24.178275538991	VS	100	1
-46.826473438229	-24.194146924408	VS	70	1	-46.82323690835	-24.178081316104	VS	100	1
-46.826642671959	-24.193867885684	VS	70	1	-46.822967376856	-24.177896006466	VS	100	1
-46.826811778876	-24.193580350083	VS	70	1	-46.822687815209	-24.177701855938	VS	100	1
-46.826573457092	-24.194702027625	VS	70	1	-46.822398223809	-24.177498855469	VS	100	1
-46.82692462399	-24.194867575172	VS	70	1	-46.82182963974	-24.177110887621	VS	100	1
-46.827215115589	-24.195008412748	VS	70	1	-46.827355952037	-24.177414352561	VS	250	1
-46.718272079237	-24.14663088357	VS	100	1	-46.827896187808	-24.177017577048	VS	250	1
-46.893796116469	-24.23388347532	VS	70	1	-46.827616264642	-24.177216038936	VS	250	1
-46.838094245517	-24.204121020331	VS	100	1	-46.827066155928	-24.177612939303	VS	250	1
-46.827309625808	-24.194882607281	VS	70	1	-46.826796070943	-24.17781130845	VS	250	1
-46.827470747498	-24.194602136906	VS	70	1	-46.826448372154	-24.178045939343	VS	250	1
-46.827628936244	-24.194346488203	VS	70	1	-46.893747566454	-24.244029069004	VS	100	1
-46.827786897763	-24.194077885965	VS	70	1	-46.893572917429	-24.243649359453	VS	100	1
-46.827533410919	-24.195163843026	VS	70	1	-46.8933907302	-24.24344296019	VS	100	1
-46.827838536802	-24.195319245146	VS	70	1	-46.893094582423	-24.243099268946	VS	100	1
-46.828136242198	-24.195479176674	VS	70	1	-46.892975215648	-24.243889712981	VS	100	1
-46.828299747416	-24.195378587092	VS	70	1	-46.892983939067	-24.241588731917	VS	100	1
-46.828446152064	-24.195112336019	VS	70	1	-46.892818135698	-24.243717821888	VS	100	1
-46.828620122889	-24.194837463858	VS	70	1	-46.892616131957	-24.243496234194	VS	100	1
-46.828775714319	-24.19456252928	VS	70	1	-46.892434241321	-24.243283728777	VS	100	1
-46.842597926286	-24.162850731018	VS	70	1	-46.892242383566	-24.243071115995	VS	100	1
-46.82401560134	-24.19463717586	VS	70	1	-46.826226416297	-24.178208300427	VS	250	1
-46.842338357817	-24.163096819329	VS	70	1	-46.825965918613	-24.178397689236	VS	250	1
-46.828372547076	-24.195576006587	VS	70	1	-46.825782643059	-24.178532944081	VS	250	1
-46.824289687437	-24.194775485635	VS	70	1	-46.82541566992	-24.178785607646	VS	250	1
-46.824580409019	-24.194920607855	VS	70	1	-46.827828477638	-24.178285193176	VS	70	1
-46.824725573653	-24.194906830318	VS	70	1	-46.826564780953	-24.178486761747	VS	70	1
-46.824910281972	-24.194613369343	VS	70	1	-46.827789413912	-24.177694877067	VS	70	1
-46.825065736183	-24.194338643023	VS	70	1	-46.827636337172	-24.178668843681	VS	70	1
-46.825203792028	-24.194110331482	VS	70	1	-46.827557079873	-24.177428818789	VS	70	1
-46.823732869434	-24.194489729493	VS	70	1	-46.892230769523	-24.243913170734	VS	100	1
-46.823482853232	-24.195194411177	VS	70	1	-46.892066855666	-24.242876671086	VS	100	1
-46.823817574665	-24.195134230588	VS	70	1	-46.892008782292	-24.24366537191	VS	100	1
-46.824148779771	-24.195070048763	VS	70	1	-46.891912667549	-24.242373716697	VS	250	1
-46.822854427402	-24.19538734824	VS	250	1	-46.891786670313	-24.243426063037	VS	100	1
-46.822967401831	-24.195253992639	VS	250	1	-46.891662562258	-24.241477085895	VS	100	1
-46.823123992544	-24.194998206678	VS	250	1	-46.891623182842	-24.242572691366	VS	250	1
-46.823278130208	-24.194749800375	VS	250	1	-46.81750787806	-24.176207105232	VS	70	1
-46.82208672215	-24.195032133491	VS	70	1	-46.816563869499	-24.177401027343	VS	100	1
-46.822399916521	-24.195184909345	VS	70	1	-46.827567751465	-24.17846566183	VS	100	1
-46.822683412367	-24.195323390202	VS	70	1	-46.827297434288	-24.178655126528	VS	70	1
-46.823418513057	-24.194509022472	VS	150	1	-46.826766687826	-24.178717194296	VS	70	1
-46.823560702662	-24.194267076811	VS	150	1	-46.826362692251	-24.178247452214	VS	70	1
-46.823649538426	-24.194133914377	VS	150	1	-46.832801232748	-24.177596161857	VS	70	1
-46.823837732632	-24.193822509456	VS	150	1	-46.832410502937	-24.177541213414	VS	70	1
-46.824024707051	-24.193504173448	VS	150	1	-46.832134679155	-24.178629397575	VS	70	1
-46.836424147245	-24.196614006656	VS	100	1	-46.830437423061	-24.179209171638	VS	70	1
-46.836258144044	-24.19689664489	VS	100	1	-46.829974933246	-24.17731653004	VS	100	1
-46.83612254784	-24.197133799308	VS	100	1	-46.829699836664	-24.177044948381	VS	70	1
-46.823372079989	-24.194307492727	VS	70	1	-46.829669664072	-24.178313875212	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.823017026609	-24.194130236269	VS	70	1	-46.829407123317	-24.178012505121	VS	70	1
-46.822667782888	-24.193955401621	VS	70	1	-46.891573962471	-24.243177504836	VS	100	1
-46.822662821699	-24.193817374335	VS	70	1	-46.891452035969	-24.241246701044	VS	100	1
-46.822834914243	-24.19352805981	VS	70	1	-46.891401488943	-24.242743545907	VS	250	1
-46.822992249148	-24.19328252738	VS	70	1	-46.821116543514	-24.177418846459	VS	70	1
-46.822035992267	-24.194868055299	VS	70	1	-46.891198771513	-24.240973621048	VS	100	1
-46.822207502987	-24.194598470921	VS	70	1	-46.891141531957	-24.241817632987	VS	100	1
-46.822357760023	-24.194341907821	VS	70	1	-46.891090102212	-24.242952647674	VS	100	1
-46.822511452213	-24.194075539234	VS	70	1	-46.890966327864	-24.240707794111	VS	100	1
-46.813827552918	-24.184839188483	VS	70	1	-46.829415498971	-24.180382080204	VS	70	1
-46.813633141444	-24.184772063146	VS	70	1	-46.829205222134	-24.177782066833	VS	70	1
-46.814124395319	-24.183537550622	VS	70	1	-46.82903001924	-24.176951979052	VS	70	1
-46.813996955401	-24.183851993273	VS	70	1	-46.82887022611	-24.178953552051	VS	70	1
-46.813869204512	-24.184176227538	VS	70	1	-46.833232408892	-24.178782864155	VS	70	1
-46.814348704325	-24.183339093696	VS	70	1	-46.832877571572	-24.178610553592	VS	70	1
-46.813745734928	-24.184507170056	VS	70	1	-46.83262528338	-24.178326978174	VS	70	1
-46.91111948626	-24.238062096414	VS	70	1	-46.832407125204	-24.178437141655	VS	70	1
-46.751620121477	-24.16080287589	VS	100	1	-46.832075063348	-24.17747243252	VS	70	1
-46.737159605346	-24.152704186087	VS	100	1	-46.831871752587	-24.178279261422	VS	70	1
-46.737396056792	-24.152820114714	VS	100	1	-46.831815712706	-24.178556567845	VS	70	1
-46.737754571127	-24.152728101891	VS	100	1	-46.831615499632	-24.178996543561	VS	70	1
-46.738063829855	-24.152502201806	VS	100	1	-46.831413755892	-24.177325871208	VS	70	1
-46.738374095806	-24.152284100413	VS	100	1	-46.89092880738	-24.241582544493	VS	100	1
-46.844535512522	-24.168234924149	VS	70	1	-46.890820600502	-24.240686946749	VS	100	1
-46.739331521269	-24.151586974064	VS	100	1	-46.890830666494	-24.243273867682	VS	100	1
-46.739079150114	-24.151775152385	VS	100	1	-46.890733856259	-24.240441948126	VS	100	1
-46.904995900799	-24.246187678229	VS	100	1	-46.890716602077	-24.241343259111	VS	100	1
-46.909222840858	-24.244349048643	VS	100	1	-46.890588833727	-24.240849440098	VS	100	1
-46.785372476838	-24.18320639774	VS	100	1	-46.890569363937	-24.243343773467	VS	100	1
-46.763616572831	-24.16037842142	VS	70	1	-46.890598530006	-24.243005442389	VS	100	1
-46.763298537109	-24.160211233276	VS	70	1	-46.890479299222	-24.240146786907	VS	100	1
-46.763883211681	-24.161695181301	VS	100	1	-46.890514598571	-24.24111302253	VS	100	1
-46.76357801367	-24.161538150407	VS	100	1	-46.831364596747	-24.179176945587	VS	70	1
-46.763314783435	-24.161400750478	VS	100	1	-46.831207608957	-24.178277726201	VS	70	1
-46.763028939538	-24.161248025585	VS	100	1	-46.831094470159	-24.17855433391	VS	70	1
-46.762720458651	-24.161080984716	VS	100	1	-46.831065324073	-24.177264675574	VS	70	1
-46.762422520749	-24.160931519537	VS	100	1	-46.831094232112	-24.179375513457	VS	70	1
-46.762144153077	-24.160781877203	VS	100	1	-46.831073669432	-24.179944821614	VS	70	1
-46.762836108361	-24.160580421023	VS	70	1	-46.830862829084	-24.17953772215	VS	70	1
-46.762508048772	-24.160404378565	VS	70	1	-46.830851477947	-24.179687790665	VS	70	1
-46.860635795564	-24.226197819067	VS	100	1	-46.83082414717	-24.178743805303	VS	70	1
-46.909495887542	-24.243231294018	VS	100	1	-46.830639549201	-24.179448531824	VS	70	1
-46.857626145648	-24.222221596606	VS	70	1	-46.830617319891	-24.179708154383	VS	70	1
-46.822761436463	-24.190031205498	VS	100	1	-46.830544232991	-24.178942281938	VS	70	1
-46.822718438136	-24.190354665091	VS	100	1	-46.890395194888	-24.242767938153	VS	100	1
-46.822687370734	-24.190583865075	VS	100	1	-46.890397699016	-24.243465460041	VS	100	1
-46.822649403028	-24.190836569704	VS	100	1	-46.890226161235	-24.23986684757	VS	100	1
-46.82261813352	-24.191051167148	VS	100	1	-46.89029937578	-24.241065986299	VS	100	1
-46.738764728641	-24.151996267596	VS	100	1	-46.89029254053	-24.240873776765	VS	100	1
-46.738676843695	-24.152063065294	VS	100	1	-46.890172296115	-24.242528777409	VS	100	1
-46.841122774236	-24.163104353264	VS	70	1	-46.890146480697	-24.243646126119	VS	250	1
-46.904309491738	-24.237599465246	VS	100	1	-46.889975141496	-24.239587425065	VS	100	1
-46.896822195271	-24.235565221688	VS	100	1	-46.89007035414	-24.24062570914	VS	100	1
-46.778885738806	-24.171071153405	VS	70	1	-46.830485719409	-24.178270972783	VS	70	1
-46.778624766024	-24.171242617417	VS	70	1	-46.830370849881	-24.179894822271	VS	70	1
-46.921329894061	-24.231672847464	VS	100	1	-46.830074295462	-24.177104497804	VS	70	1
-46.784028960794	-24.156195147823	VS	100	1	-46.830061502067	-24.178185032187	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.784263678674	-24.173634441031	VS	100	1	-46.829893261272	-24.177593764291	VS	100	1
-46.859171505876	-24.211392841669	VS	70	1	-46.82981137779	-24.177862084766	VS	100	1
-46.858759284631	-24.211183573008	VS	70	1	-46.829713574564	-24.178184083544	VS	100	1
-46.858197579466	-24.208986829321	VS	70	1	-46.829738649043	-24.179227931699	VS	70	1
-46.812663338843	-24.188472395341	VS	100	1	-46.829739159268	-24.179973007955	VS	70	1
-46.78117467914	-24.158410490259	VS	100	1	-46.829516750488	-24.179707043453	VS	70	1
-46.788059516398	-24.157315137697	VS	100	1	-46.82943931166	-24.179435475945	VS	70	1
-46.787898681753	-24.157079218814	VS	100	1	-46.829315528783	-24.176985461806	VS	70	1
-46.787735089851	-24.156832431685	VS	100	1	-46.856594172386	-24.218973762033	VS	100	1
-46.781384736063	-24.158106573599	VS	70	1	-46.890059252971	-24.241239063444	VS	100	1
-46.781076910973	-24.158358511067	VS	100	1	-46.890079775528	-24.243427158884	VS	100	1
-46.780952057572	-24.157761998267	VS	70	1	-46.889940561407	-24.242254059713	VS	100	1
-46.781664794543	-24.157899053145	VS	70	1	-46.889770124814	-24.239353463721	VS	100	1
-46.780806783431	-24.158556811777	VS	100	1	-46.889957415845	-24.240496837557	VS	100	1
-46.780584671204	-24.158710137443	VS	100	1	-46.889888203394	-24.243223522656	VS	100	1
-46.780353234933	-24.158881334993	VS	100	1	-46.889858621098	-24.243860126184	VS	100	1
-46.733487836548	-24.15125587002	VS	250	1	-46.889807278159	-24.241426877056	VS	100	1
-46.733517215213	-24.151253158856	VS	250	1	-46.856317295566	-24.218811983343	VS	100	1
-46.733518511029	-24.151283612958	VS	250	1	-46.889778376107	-24.244049068919	VS	100	1
-46.768894503718	-24.171765605555	VS	100	1	-46.889728376042	-24.242014800619	VS	100	1
-46.7711075807601	-24.166152943905	VS	100	1	-46.829294535141	-24.179449955845	VS	70	1
-46.85185233362	-24.211399818009	VS	70	1	-46.829089148692	-24.179205771351	VS	70	1
-46.821890735047	-24.186562989988	VS	100	1	-46.828972843073	-24.177507326676	VS	70	1
-46.813493791263	-24.192331679218	VS	100	1	-46.828937987921	-24.179797231312	VS	70	1
-46.775407437146	-24.177001016478	VS	100	1	-46.828908699104	-24.18073953759	VS	70	1
-46.775639691373	-24.176970516209	VS	250	1	-46.828801027294	-24.177303426258	VS	70	1
-46.791415277984	-24.153640125427	VS	100	1	-46.828619401153	-24.177099608488	VS	70	1
-46.791585323088	-24.153885924205	VS	100	1	-46.828574382611	-24.178987089802	VS	70	1
-46.791752210045	-24.154133961687	VS	100	1	-46.828435945347	-24.178448380977	VS	70	1
-46.791883881476	-24.154332007222	VS	100	1	-46.828348856231	-24.181136454059	VS	70	1
-46.792050825071	-24.154578351088	VS	100	1	-46.82821457452	-24.178192649759	VS	70	1
-46.790949524986	-24.153892023438	VS	100	1	-46.889651153168	-24.239221444369	VS	100	1
-46.791116345207	-24.154141754614	VS	100	1	-46.889710121558	-24.240218056325	VS	100	1
-46.791295501616	-24.154408722145	VS	100	1	-46.889574512462	-24.23920864132	VS	100	1
-46.791455025797	-24.154656556521	VS	100	1	-46.889574091379	-24.243229675818	VS	100	1
-46.79162743035	-24.154904746663	VS	100	1	-46.889645854261	-24.242940366358	VS	100	1
-46.790475266158	-24.154155143823	VS	100	1	-46.889566071107	-24.241607326486	VS	100	1
-46.790645814922	-24.154406808699	VS	100	1	-46.889506151104	-24.241766694977	VS	100	1
-46.790821548796	-24.154668759512	VS	100	1	-46.889546381852	-24.243792457574	VS	100	1
-46.790986350464	-24.154927018165	VS	100	1	-46.889455072532	-24.239937054311	VS	100	1
-46.791158950672	-24.155171021835	VS	100	1	-46.889371885428	-24.23915501121	VS	100	1
-46.790010342963	-24.154422063737	VS	100	1	-46.889433696891	-24.242701143621	VS	100	1
-46.790181793501	-24.154673474506	VS	100	1	-46.88618692506	-24.239439764398	VS	100	1
-46.79036298062	-24.154939895067	VS	100	1	-46.885618246461	-24.239078529581	VS	100	1
-46.790527260814	-24.155187077358	VS	100	1	-46.885358675884	-24.238902251974	VS	100	1
-46.790694422992	-24.155435682535	VS	100	1	-46.885119041745	-24.238743555066	VS	100	1
-46.789529398586	-24.1546792078	VS	100	1	-46.884839472504	-24.238558412886	VS	100	1
-46.789709126888	-24.154945723908	VS	100	1	-46.884529998705	-24.238355662585	VS	100	1
-46.815998538602	-24.182928125801	VS	100	1	-46.828001724463	-24.177943282782	VS	70	1
-46.777478232676	-24.173689405101	VS	100	1	-46.831282316224	-24.17696650535	VS	100	1
-46.777277665525	-24.17384102106	VS	100	1	-46.831238403909	-24.177180985865	VS	100	1
-46.777056796179	-24.174003631599	VS	100	1	-46.831891626375	-24.179141267199	VS	100	1
-46.7898857341	-24.155212153612	VS	100	1	-46.833182159097	-24.180241251221	VS	100	1
-46.790058194372	-24.155462754039	VS	100	1	-46.832106136449	-24.179385229449	VS	100	1
-46.790224619087	-24.155707462495	VS	100	1	-46.833655663386	-24.180763849246	VS	70	1
-46.789068704682	-24.154932122572	VS	100	1	-46.833423849977	-24.180506612084	VS	70	1
-46.789244704245	-24.155186490985	VS	100	1	-46.779068817481	-24.181655266324	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.789420662985	-24.155451100074	VS	100	1	-46.889656701433	-24.236576818226	VS	100	1
-46.789603388171	-24.155716437025	VS	100	1	-46.891329757122	-24.236359532943	VS	100	1
-46.790378774106	-24.155946115713	VS	100	1	-46.884480423261	-24.239032872131	VS	100	1
-46.79085597446	-24.155677424791	VS	100	1	-46.889320786611	-24.243412520087	VS	100	1
-46.791317445543	-24.155416700249	VS	100	1	-46.889334290085	-24.241562996607	VS	100	1
-46.791783486214	-24.155145723142	VS	100	1	-46.88925747844	-24.239432419319	VS	100	1
-46.790146705186	-24.155898256045	VS	100	1	-46.889305462238	-24.241787773443	VS	100	1
-46.790405710065	-24.155742481085	VS	100	1	-46.889324407218	-24.24355331156	VS	100	1
-46.790615200835	-24.155623852736	VS	100	1	-46.889201639542	-24.239651091546	VS	100	1
-46.790877254508	-24.155474246763	VS	100	1	-46.889211509171	-24.242453092596	VS	100	1
-46.791082645022	-24.155359272966	VS	100	1	-46.889082706636	-24.238978867088	VS	100	1
-46.791344785486	-24.155206990766	VS	100	1	-46.889122368647	-24.241332715454	VS	100	1
-46.791551772701	-24.155090644873	VS	100	1	-46.889056560486	-24.239584789957	VS	100	1
-46.791811681451	-24.154948848574	VS	100	1	-46.88914237137	-24.243556004667	VS	100	1
-46.792007368183	-24.154835796083	VS	100	1	-46.766601950748	-24.173338716959	VS	100	1
-46.792180495485	-24.154781408066	VS	100	1	-46.884781575393	-24.239232701371	VS	100	1
-46.788869644224	-24.154725044381	VS	100	1	-46.830228581499	-24.180542312784	VS	100	1
-46.789102777751	-24.154596162633	VS	100	1	-46.829862742886	-24.181463227696	VS	100	1
-46.789368750683	-24.154449859165	VS	100	1	-46.829530676335	-24.181689349521	VS	100	1
-46.789617699073	-24.154307322001	VS	100	1	-46.829321253325	-24.181919751013	VS	100	1
-46.789863343029	-24.154171743381	VS	100	1	-46.829136023891	-24.181697216173	VS	100	1
-46.790188627211	-24.15399177175	VS	100	1	-46.82895021997	-24.181550589827	VS	100	1
-46.790447573778	-24.153843928561	VS	100	1	-46.828626694741	-24.181574451492	VS	100	1
-46.790725340119	-24.153684884383	VS	100	1	-46.834559888508	-24.179243830259	VS	100	1
-46.791008651932	-24.15352989669	VS	100	1	-46.834569000779	-24.179645756917	VS	70	1
-46.791258625692	-24.153396130082	VS	100	1	-46.834249727425	-24.17931416085	VS	70	1
-46.788147194357	-24.183269863716	VS	250	1	-46.833975910611	-24.179080470245	VS	70	1
-46.787683563478	-24.183029789344	VS	250	1	-46.885069042246	-24.239413558477	VS	100	1
-46.787731527531	-24.183061653306	VS	250	1	-46.885328926764	-24.239613684705	VS	100	1
-46.787901585995	-24.18314696109	VS	250	1	-46.889030989048	-24.239218280515	VS	100	1
-46.727838990773	-24.151380512074	VS	100	1	-46.88531628018	-24.239737967916	VS	100	1
-46.827404172213	-24.202400003051	VS	70	1	-46.888910224399	-24.241093492701	VS	100	1
-46.827171952145	-24.202256552233	VS	70	1	-46.888891393001	-24.243736494609	VS	100	1
-46.826618418811	-24.201982848015	VS	70	1	-46.888698071099	-24.240854269486	VS	100	1
-46.826275798435	-24.201810292381	VS	70	1	-46.885547760979	-24.239596673146	VS	100	1
-46.826786945378	-24.202323878857	VS	70	1	-46.888659842451	-24.243907898261	VS	100	1
-46.713968180812	-24.14415137639	VS	100	1	-46.885861878568	-24.239356775377	VS	100	1
-46.71387475485	-24.143832792317	VS	100	1	-46.88846584774	-24.240597362551	VS	100	1
-46.742330112627	-24.157654478571	VS	100	1	-46.856873855668	-24.219140278185	VS	100	1
-46.742313531542	-24.157575337454	VS	100	1	-46.833608853774	-24.178922703346	VS	100	1
-46.742442675512	-24.15735855675	VS	100	1	-46.713135086727	-24.140331502525	VS	150	1
-46.742190603404	-24.157575038191	VS	100	1	-46.891085635672	-24.240014449797	VS	100	1
-46.741842755562	-24.157390170568	VS	100	1	-46.891257864231	-24.240123608992	VS	100	1
-46.741455021814	-24.157178826636	VS	100	1	-46.885530125716	-24.240508401435	VS	100	1
-46.737929840813	-24.149229571588	VS	100	1	-46.88550922143	-24.241397635168	VS	100	1
-46.769096070535	-24.160817313396	VS	100	1	-46.885040930099	-24.240191017822	VS	100	1
-46.769755154942	-24.156916580812	VS	100	1	-46.885000767045	-24.239977781454	VS	100	1
-46.769503886182	-24.157086443361	VS	100	1	-46.884761639505	-24.240014845106	VS	100	1
-46.769481247417	-24.157274962513	VS	70	1	-46.884482058857	-24.239829692711	VS	100	1
-46.769173200784	-24.157107820742	VS	70	1	-46.885270408509	-24.240332020242	VS	100	1
-46.769009532531	-24.156413082672	VS	100	1	-46.884264273829	-24.239683199438	VS	100	1
-46.768641263201	-24.157441839885	VS	100	1	-46.888211278591	-24.240310691247	VS	100	1
-46.768362903124	-24.157292209218	VS	100	1	-46.888049788066	-24.240047655423	VS	100	1
-46.768074932123	-24.157151570104	VS	100	1	-46.888108332042	-24.239205827885	VS	100	1
-46.788953894611	-24.183656361774	VS	250	1	-46.886456135292	-24.239598304905	VS	100	1
-46.74617982915	-24.1601660493	VS	100	1	-46.887812686254	-24.239793311664	VS	100	1
-46.898079260328	-24.240852278454	VS	100	1	-46.887796306534	-24.2389984161	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792978826009	-24.184847531795	VS	250	1	-46.887233232456	-24.242008225093	VS	100	1
-46.734435358019	-24.147318161343	VS	70	1	-46.830399720416	-24.177164443309	VS	70	1
-46.821996096818	-24.171372426184	VS	70	1	-46.828774513486	-24.177617586281	VS	70	1
-46.816969062534	-24.175845391366	VS	70	1	-46.828484989983	-24.177825046204	VS	70	1
-46.816708235891	-24.175650375628	VS	70	1	-46.88701145047	-24.241755385615	VS	100	1
-46.732132556061	-24.143291395532	VS	100	1	-46.887347280032	-24.239390796192	VS	100	1
-46.731862402642	-24.143489603384	VS	100	1	-46.887015462567	-24.239168384693	VS	100	1
-46.731582237129	-24.143678956581	VS	100	1	-46.886778801886	-24.241503207444	VS	100	1
-46.730965399749	-24.142758301789	VS	100	1	-46.832859064309	-24.180153487697	VS	70	1
-46.729931728533	-24.1448594613	VS	100	1	-46.736125296554	-24.155719809599	VS	100	1
-46.729651557117	-24.145048819103	VS	100	1	-46.735455038597	-24.155341871869	VS	100	1
-46.729365603928	-24.145250401282	VS	100	1	-46.735119046309	-24.155151137912	VS	100	1
-46.729101233532	-24.145436369273	VS	100	1	-46.734846101685	-24.155003612478	VS	100	1
-46.728913038104	-24.145573472542	VS	100	1	-46.828234086081	-24.178005442789	VS	70	1
-46.727722882661	-24.147864376842	VS	100	1	-46.828658340034	-24.178714346221	VS	70	1
-46.727371876067	-24.142100376004	VS	100	1	-46.828299679434	-24.179176336949	VS	70	1
-46.727260535061	-24.145395928682	VS	100	1	-46.83001989095	-24.179030989808	VS	70	1
-46.727281520907	-24.146100621868	VS	100	1	-46.829932439808	-24.178623762599	VS	70	1
-46.727211069006	-24.142213164927	VS	100	1	-46.830174658179	-24.178898879449	VS	70	1
-46.727057243895	-24.147512304342	VS	100	1	-46.829141654531	-24.179655074954	VS	70	1
-46.727202754198	-24.146280907934	VS	100	1	-46.830964429916	-24.178380881923	VS	70	1
-46.726972329091	-24.145582729666	VS	100	1	-46.830752464386	-24.178340292063	VS	70	1
-46.726967247453	-24.146941653576	VS	100	1	-46.830553602905	-24.178014250727	VS	70	1
-46.72675954419	-24.147371663657	VS	100	1	-46.831499612171	-24.178489306773	VS	70	1
-46.72675039324	-24.146470183076	VS	100	1	-46.831729793944	-24.177403724357	VS	70	1
-46.726638448992	-24.142622917255	VS	100	1	-46.886458614861	-24.242067914403	VS	100	1
-46.726696671207	-24.147122006276	VS	100	1	-46.886430392884	-24.241516486664	VS	100	1
-46.726450820614	-24.142151374306	VS	100	1	-46.886403268995	-24.238979433833	VS	100	1
-46.726469206366	-24.147214433462	VS	100	1	-46.886409925111	-24.242197217795	VS	100	1
-46.726470304604	-24.146659473263	VS	100	1	-46.886356640693	-24.241234735331	VS	100	1
-46.726358483323	-24.142821181874	VS	100	1	-46.88624670839	-24.241837630088	VS	100	1
-46.726231494364	-24.146823226508	VS	100	1	-46.886203335253	-24.241680948396	VS	100	1
-46.726108384573	-24.147057280959	VS	100	1	-46.886144710671	-24.239170777801	VS	100	1
-46.787235173012	-24.159631462297	VS	70	1	-46.828150390241	-24.180321596218	VS	70	1
-46.787191548683	-24.159354129608	VS	70	1	-46.828332450391	-24.180543260618	VS	70	1
-46.787346901383	-24.15921382292	VS	70	1	-46.828524111373	-24.180755928491	VS	70	1
-46.787127934884	-24.15895637933	VS	70	1	-46.828580566092	-24.180974059948	VS	70	1
-46.725764366379	-24.146881477688	VS	100	1	-46.828091518874	-24.180543418875	VS	70	1
-46.72563222867	-24.150770195893	VS	100	1	-46.827869199038	-24.180687893257	VS	70	1
-46.725571580386	-24.146784085751	VS	100	1	-46.829986719182	-24.1806507498	VS	70	1
-46.725261142056	-24.146628399163	VS	100	1	-46.829745410964	-24.180822151873	VS	70	1
-46.724282998119	-24.14808492936	VS	100	1	-46.82949423113	-24.180993661668	VS	70	1
-46.724306307012	-24.148512466284	VS	100	1	-46.830676217553	-24.180867379933	VS	100	1
-46.724214510633	-24.148813795028	VS	100	1	-46.886143752933	-24.242387200756	VS	100	1
-46.724203880107	-24.148585968935	VS	100	1	-46.886084636663	-24.240936606671	VS	100	1
-46.724197088278	-24.148501467376	VS	100	1	-46.885966685378	-24.241841570425	VS	100	1
-46.723899186883	-24.148351899387	VS	100	1	-46.885961779138	-24.242645698361	VS	100	1
-46.723648358637	-24.148505808373	VS	100	1	-46.885956675979	-24.242708576326	VS	100	1
-46.723311597286	-24.14808289612	VS	100	1	-46.885731184901	-24.241636785363	VS	100	1
-46.723311969826	-24.148124764508	VS	100	1	-46.88567696952	-24.242514585809	VS	100	1
-46.723320181784	-24.148320770788	VS	100	1	-46.884730343723	-24.240167358549	VS	100	1
-46.722993656116	-24.147915634973	VS	100	1	-46.884120733159	-24.240417660265	VS	100	1
-46.723132812855	-24.149142617028	VS	100	1	-46.883953886962	-24.240315924655	VS	100	1
-46.723084064597	-24.148316035263	VS	100	1	-46.883689015414	-24.240143044023	VS	100	1
-46.722926874804	-24.14340386886	VS	100	1	-46.830846900105	-24.181048040553	VS	100	1
-46.72299193059	-24.148144475322	VS	100	1	-46.83013669082	-24.181271928705	VS	100	1
-46.722631524937	-24.147725081171	VS	100	1	-46.830436774224	-24.181055171405	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.722721670357	-24.142828424126	VS	100	1	-46.828928332942	-24.181234589542	VS	100	1
-46.722854536251	-24.148992912762	VS	100	1	-46.828719119052	-24.180990488782	VS	100	1
-46.722833308853	-24.148505167501	VS	100	1	-46.828329846282	-24.181815483519	VS	100	1
-46.722666921057	-24.143587794336	VS	100	1	-46.830644620721	-24.177719185708	VS	100	1
-46.722665661362	-24.147919967128	VS	100	1	-46.830014123926	-24.182745072021	VS	100	1
-46.722591952947	-24.148676379369	VS	100	1	-46.829762864808	-24.182443181181	VS	100	1
-46.722459822852	-24.143012016714	VS	100	1	-46.829479877719	-24.182113931377	VS	100	1
-46.722576250539	-24.1488432078	VS	100	1	-46.885442181735	-24.242334668925	VS	100	1
-46.722384539992	-24.14354858371	VS	100	1	-46.885337449083	-24.241202708404	VS	100	1
-46.722431133991	-24.148097681258	VS	100	1	-46.885219984953	-24.242101832471	VS	100	1
-46.722393928684	-24.149689706714	VS	100	1	-46.885012702374	-24.241885899884	VS	100	1
-46.722236930522	-24.143327838592	VS	100	1	-46.884144572903	-24.240601863297	VS	100	1
-46.722341002403	-24.148856580041	VS	100	1	-46.88394903562	-24.240753641708	VS	100	1
-46.722209067939	-24.143201158071	VS	100	1	-46.883678853201	-24.240952122341	VS	100	1
-46.72214145216	-24.1495511923	VS	100	1	-46.883576497595	-24.240952468756	VS	100	1
-46.721996542195	-24.143345412474	VS	100	1	-46.883865057883	-24.241101881523	VS	100	1
-46.721764749698	-24.143507660919	VS	100	1	-46.829375877843	-24.182582586488	VS	70	1
-46.721862962904	-24.149392564175	VS	100	1	-46.829100757828	-24.18281759755	VS	100	1
-46.721829304076	-24.149226107672	VS	100	1	-46.829025494866	-24.183061682869	VS	70	1
-46.72160534522	-24.144353612894	VS	100	1	-46.884669609401	-24.240805711434	VS	100	1
-46.721604852368	-24.149251862336	VS	100	1	-46.884144630416	-24.241287026012	VS	100	1
-46.721475172065	-24.143714913222	VS	100	1	-46.884976785663	-24.241000898141	VS	70	1
-46.721588075877	-24.149397240077	VS	100	1	-46.887659453551	-24.239619879561	VS	100	1
-46.721278767779	-24.144535195869	VS	100	1	-46.885656336472	-24.239827856509	VS	100	1
-46.721327508539	-24.149586436337	VS	100	1	-46.885989198144	-24.240043149125	VS	100	1
-46.721175990354	-24.143931144807	VS	100	1	-46.886259661953	-24.240221416026	VS	100	1
-46.721095956151	-24.14975757813	VS	100	1	-46.895496882981	-24.244811101968	VS	100	1
-46.720927864545	-24.144343566268	VS	100	1	-46.828965412897	-24.182162386482	VS	70	1
-46.720886207708	-24.144129464899	VS	100	1	-46.828926417504	-24.182517200406	VS	100	1
-46.720648810108	-24.144201067746	VS	100	1	-46.828929921849	-24.182623262411	VS	100	1
-46.720359783359	-24.14271202249	VS	100	1	-46.828696208558	-24.182711282339	VS	70	1
-46.720362089978	-24.144053368021	VS	100	1	-46.828715538559	-24.1832819978	VS	70	1
-46.720070205909	-24.142919272064	VS	100	1	-46.828632003654	-24.18230168041	VS	70	1
-46.719780861009	-24.143135425563	VS	100	1	-46.82854881818	-24.182336357318	VS	70	1
-46.842786407217	-24.168569852784	VS	70	1	-46.828442448162	-24.183508019865	VS	70	1
-46.719491271917	-24.143342673485	VS	100	1	-46.828395546134	-24.182940777291	VS	70	1
-46.713803958242	-24.140576140485	VS	100	1	-46.828278933929	-24.182543668654	VS	70	1
-46.76420092511	-24.163613385413	VS	70	1	-46.828124317135	-24.183605094002	VS	70	1
-46.767776859583	-24.157002039896	VS	70	1	-46.828051938506	-24.183213245984	VS	70	1
-46.725284932898	-24.150612004591	VS	100	1	-46.828013171968	-24.182691685522	VS	70	1
-46.768825511628	-24.156931931884	VS	70	1	-46.892826015024	-24.246109831236	VS	100	1
-46.768487631954	-24.156755972272	VS	70	1	-46.88934552637	-24.244232600233	VS	250	1
-46.768149762813	-24.156580021314	VS	70	1	-46.895265067763	-24.244572049094	VS	100	1
-46.769824914126	-24.155613018172	VS	70	1	-46.895023102331	-24.244315337774	VS	100	1
-46.7694870359	-24.155437061053	VS	70	1	-46.894966476678	-24.245208185677	VS	100	1
-46.815964620972	-24.194427754738	VS	100	1	-46.894831453154	-24.244111650672	VS	100	1
-46.831062663639	-24.18998565267	VS	70	1	-46.89479126213	-24.244655019508	VS	100	1
-46.831314634457	-24.189769570131	VS	70	1	-46.894724387535	-24.244951335233	VS	100	1
-46.831086589475	-24.189727185766	VS	70	1	-46.894512052084	-24.244694603363	VS	100	1
-46.831316116138	-24.189946849063	VS	70	1	-46.894513482003	-24.244852936396	VS	100	1
-46.724338690891	-24.142172545861	VS	70	1	-46.894504870045	-24.245604764263	VS	100	1
-46.83155731384	-24.190176974934	VS	70	1	-46.827937838027	-24.183403431687	VS	70	1
-46.831818740079	-24.190433675105	VS	70	1	-46.827735504443	-24.183185538403	VS	70	1
-46.83082614782	-24.189478671171	VS	70	1	-46.827752099457	-24.182917783343	VS	70	1
-46.832299923441	-24.190893856067	VS	70	1	-46.832549228741	-24.185306328263	VS	70	1
-46.786423298841	-24.160862328541	VS	70	1	-46.826732955786	-24.182949734322	VS	70	1
-46.786793355385	-24.160643151702	VS	70	1	-46.832298004841	-24.185067355816	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.787153701542	-24.160420711963	VS	70	1	-46.832056823599	-24.184837232407	VS	70	1
-46.787462610696	-24.160234624528	VS	70	1	-46.832042333698	-24.184654007074	VS	70	1
-46.787704448184	-24.160082248464	VS	70	1	-46.831746670703	-24.18489447408	VS	70	1
-46.787943639838	-24.159935018906	VS	70	1	-46.894352633708	-24.244519801126	VS	100	1
-46.788272289781	-24.159733607761	VS	70	1	-46.894262360693	-24.2453301031	VS	100	1
-46.787864999645	-24.159269571432	VS	70	1	-46.894250841559	-24.245043002722	VS	100	1
-46.787546639734	-24.159449709666	VS	70	1	-46.894178745878	-24.244322508154	VS	100	1
-46.854544411722	-24.161446613703	VS	100	1	-46.894020405294	-24.245073417567	VS	100	1
-46.836174393377	-24.15804736513	VS	100	1	-46.893986883572	-24.244109897006	VS	100	1
-46.819784601943	-24.178162420441	VS	70	1	-46.893998424665	-24.245888910152	VS	100	1
-46.819485844506	-24.177986256165	VS	70	1	-46.893980581778	-24.245241554497	VS	100	1
-46.819197118644	-24.177818932124	VS	70	1	-46.893848624443	-24.244878489379	VS	100	1
-46.818908613124	-24.177660539508	VS	70	1	-46.893796343039	-24.245658575341	VS	100	1
-46.819803956949	-24.178287589313	VS	70	1	-46.893749033785	-24.24541296645	VS	100	1
-46.845773549416	-24.15880048857	VS	100	1	-46.893646496756	-24.244648108223	VS	100	1
-46.747654952672	-24.098125875305	VS	100	1	-46.831515809264	-24.185092563588	VS	70	1
-46.71101106944	-24.141877291244	VS	100	1	-46.831479854949	-24.185743000682	VS	70	1
-46.711186959657	-24.141710088248	VS	150	1	-46.831233791843	-24.185500426282	VS	70	1
-46.723962162392	-24.13250694951	VS	70	1	-46.83122031763	-24.185348839246	VS	70	1
-46.724201189904	-24.132344402184	VS	70	1	-46.830970042513	-24.185556007075	VS	70	1
-46.724318245657	-24.132376291476	VS	70	1	-46.830674526227	-24.185799991818	VS	70	1
-46.718539729335	-24.136435603356	VS	100	1	-46.893564091113	-24.245401673534	VS	100	1
-46.717286941461	-24.137305270198	VS	70	1	-46.893573106109	-24.246327166796	VS	100	1
-46.816631591322	-24.18118111837	VS	100	1	-46.893537809996	-24.244174543237	VS	100	1
-46.816463733922	-24.181428275815	VS	100	1	-46.893464890483	-24.244453265765	VS	100	1
-46.816328204611	-24.181621747925	VS	100	1	-46.89297149051	-24.245993475043	VS	100	1
-46.816045438795	-24.182025256727	VS	100	1	-46.8933722003	-24.245189024718	VS	100	1
-46.75485375169	-24.155845199856	VS	70	1	-46.893221024538	-24.244405025905	VS	100	1
-46.754683946317	-24.156122084711	VS	70	1	-46.893222431056	-24.244168010306	VS	100	1
-46.754493041391	-24.15643022395	VS	70	1	-46.893180553001	-24.244985335721	VS	100	1
-46.899327121472	-24.234084703172	VS	100	1	-46.893059259182	-24.244526207822	VS	100	1
-46.899085058797	-24.233827888618	VS	100	1	-46.827769495617	-24.185366880097	VS	70	1
-46.898852673616	-24.233562156071	VS	100	1	-46.828085118063	-24.185426906583	VS	70	1
-46.898557062382	-24.234221332462	VS	100	1	-46.892826634921	-24.24457759732	VS	100	1
-46.898325041757	-24.233973362627	VS	100	1	-46.892624903954	-24.244356359507	VS	100	1
-46.754767406899	-24.167214974018	VS	100	1	-46.874388997941	-24.217058609467	VS	100	1
-46.839192787934	-24.169863391993	VS	100	1	-46.892443309897	-24.244161507339	VS	100	1
-46.838958478641	-24.169026942707	VS	100	1	-46.812155486446	-24.193342175898	VS	100	1
-46.838764099361	-24.169497737798	VS	100	1	-46.830755579483	-24.184993424084	VS	70	1
-46.838728525085	-24.169260731472	VS	100	1	-46.830992691234	-24.185281456415	VS	70	1
-46.83944555777	-24.203499822257	VS	100	1	-46.830504314063	-24.184763103389	VS	70	1
-46.838524226912	-24.169308180799	VS	70	1	-46.828725555082	-24.182325333057	VS	70	1
-46.838498307784	-24.169485667733	VS	70	1	-46.827422766184	-24.183093268277	VS	100	1
-46.739630200813	-24.154661511276	VS	100	1	-46.826770314396	-24.183398514358	VS	100	1
-46.734081424458	-24.154700873075	VS	100	1	-46.826424844989	-24.203065575187	VS	70	1
-46.735073394021	-24.156677323828	VS	100	1	-46.825996999943	-24.20270432741	VS	70	1
-46.902932249303	-24.225525834995	VS	100	1	-46.825842727393	-24.202627280104	VS	70	1
-46.829107031884	-24.18714071739	VS	70	1	-46.825520783523	-24.201010965412	VS	70	1
-46.778879563971	-24.172618598878	VS	70	1	-46.824848532085	-24.203422885903	VS	70	1
-46.7788414858898	-24.173144499729	VS	100	1	-46.824432838249	-24.200456289063	VS	70	1
-46.828821219643	-24.187370501899	VS	70	1	-46.824259623997	-24.202373815083	VS	70	1
-46.828561925557	-24.187596017795	VS	70	1	-46.824103229317	-24.201728716013	VS	70	1
-46.902253660103	-24.233690231237	VS	100	1	-46.823444219212	-24.203706598353	VS	70	1
-46.829206338729	-24.190052557556	VS	250	1	-46.889287358868	-24.244451110024	VS	100	1
-46.829469893705	-24.190204814247	VS	250	1	-46.889104373526	-24.244412995625	VS	250	1
-46.829738671952	-24.190365111789	VS	250	1	-46.888811445183	-24.244624277425	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.829338488879	-24.186606204724	VS	70	1	-46.888588383512	-24.244668777919	VS	250	1
-46.829611358438	-24.186871831483	VS	70	1	-46.888650789734	-24.244808608667	VS	100	1
-46.829863402611	-24.187103040794	VS	70	1	-46.888389434205	-24.24409747295	VS	100	1
-46.830084152752	-24.187332454564	VS	70	1	-46.888359072848	-24.244571387668	VS	100	1
-46.83034605026	-24.187563563606	VS	70	1	-46.888119249816	-24.244295952405	VS	100	1
-46.830577864476	-24.187790403869	VS	70	1	-46.888108731475	-24.244377086626	VS	100	1
-46.830808541319	-24.18801476934	VS	70	1	-46.827807086623	-24.202171156509	VS	70	1
-46.871272447881	-24.227110157438	VS	100	1	-46.827546144677	-24.202029487983	VS	70	1
-46.785211873717	-24.172572793683	VS	70	1	-46.827266585197	-24.201888741873	VS	70	1
-46.753200721709	-24.164032347058	VS	100	1	-46.827001957146	-24.20176218149	VS	70	1
-46.833773340387	-24.209409920291	VS	100	1	-46.826703820761	-24.201617516734	VS	70	1
-46.752384981941	-24.163583043858	VS	100	1	-46.826667631392	-24.203040284253	VS	70	1
-46.751531568005	-24.161947419286	VS	250	1	-46.826751494389	-24.20238219572	VS	70	1
-46.784948204834	-24.172243793674	VS	70	1	-46.82653656207	-24.202786771981	VS	70	1
-46.777630449767	-24.150440269342	VS	70	1	-46.868856041454	-24.185980401839	VS	100	1
-46.778125073387	-24.173342931625	VS	150	1	-46.868643791979	-24.185732243634	VS	100	1
-46.784725920611	-24.171977778227	VS	70	1	-46.868599722325	-24.186483157476	VS	100	1
-46.784484641043	-24.171738662453	VS	70	1	-46.86838174308	-24.185697268906	VS	100	1
-46.784242086491	-24.171446029714	VS	70	1	-46.868149851151	-24.185850806398	VS	100	1
-46.783980930915	-24.171163538188	VS	70	1	-46.876471712946	-24.201247059606	VS	250	1
-46.783808786569	-24.170941762106	VS	70	1	-46.826405558258	-24.201459260815	VS	70	1
-46.783606485383	-24.170693356677	VS	70	1	-46.826351246232	-24.202891772855	VS	70	1
-46.78337332912	-24.170382807529	VS	70	1	-46.82593743747	-24.201634958807	VS	70	1
-46.783118416779	-24.170091679487	VS	70	1	-46.825926855502	-24.201207199713	VS	70	1
-46.87162510364	-24.227627980979	VS	100	1	-46.825878964531	-24.20366702193	VS	70	1
-46.756147041103	-24.165971607886	VS	100	1	-46.825725870862	-24.201946580595	VS	70	1
-46.820863473898	-24.188000488056	VS	100	1	-46.825641388105	-24.202105559018	VS	70	1
-46.820720733859	-24.188188960422	VS	100	1	-46.825618795524	-24.201478017513	VS	70	1
-46.750648853561	-24.160312065448	VS	100	1	-46.825635277759	-24.203552348764	VS	70	1
-46.838376893635	-24.168425736617	VS	70	1	-46.825534735878	-24.202477960713	VS	70	1
-46.838362553936	-24.172445522786	VS	100	1	-46.737398075399	-24.155024513753	VS	100	1
-46.838258542414	-24.169719530028	VS	70	1	-46.787305661914	-24.160212936786	VS	150	1
-46.838073263226	-24.168928013314	VS	70	1	-46.787552641323	-24.160048216371	VS	150	1
-46.793646489308	-24.185898126549	VS	250	2	-46.787799075851	-24.159899762898	VS	150	1
-46.793376360092	-24.185686009708	VS	250	2	-46.787979747682	-24.159800826002	VS	150	1
-46.792885891359	-24.179692179975	VS	100	1	-46.788237581233	-24.159637666682	VS	150	1
-46.792870684997	-24.179938522145	VS	100	1	-46.788561617516	-24.159418726724	VS	150	1
-46.792865969712	-24.180152697414	VS	100	1	-46.788801565646	-24.159260066434	VS	150	1
-46.855509891587	-24.208817987093	VS	70	1	-46.789036283576	-24.159094589405	VS	150	1
-46.777859696848	-24.173286409008	VS	150	1	-46.789324202315	-24.158915562515	VS	150	1
-46.777322723991	-24.150279266281	VS	70	1	-46.789600689355	-24.159064285447	VS	150	1
-46.777026844626	-24.150135089794	VS	70	1	-46.789636482472	-24.158715489428	VS	150	1
-46.827223794062	-24.186448658869	VS	100	1	-46.789865565799	-24.158554867889	VS	150	1
-46.71336459964	-24.140454607002	VS	100	1	-46.789944219231	-24.158704630618	VS	150	1
-46.744077056588	-24.144503902624	VS	100	1	-46.790109152726	-24.158396314764	VS	150	1
-46.7342846502	-24.150346835709	VS	70	1	-46.790345619173	-24.158232551587	VS	150	1
-46.733306990926	-24.149217833333	VS	100	1	-46.861561508992	-24.216884082792	VS	70	1
-46.735027262548	-24.145710505962	VS	70	1	-46.861290919577	-24.217064679999	VS	70	1
-46.729151860089	-24.149304730878	VS	70	1	-46.790665434455	-24.158024344667	VS	150	1
-46.728833558538	-24.149185991178	VS	70	1	-46.790960724017	-24.15778706842	VS	150	1
-46.792850636445	-24.18033078644	VS	100	1	-46.791176962408	-24.15757432983	VS	150	1
-46.792717349516	-24.180068456719	VS	100	1	-46.790420694407	-24.158384469158	VS	100	1
-46.792660459461	-24.180537806377	VS	100	1	-46.790717195026	-24.158166015927	VS	150	1
-46.792468955611	-24.179945394527	VS	100	1	-46.791052156497	-24.158189049207	VS	150	1
-46.792453853898	-24.181095032284	VS	100	1	-46.791016372917	-24.157948889185	VS	150	1
-46.792393761612	-24.180450760977	VS	100	1	-46.791254037891	-24.157776394127	VS	150	1
-46.792191202106	-24.177536123862	VS	100	1	-46.866701598176	-24.227515633517	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792112593903	-24.180998333644	VS	100	1	-46.866735965189	-24.22790923878	VS	100	1
-46.792075249083	-24.180327607855	VS	100	1	-46.866543227465	-24.227660826449	VS	100	1
-46.791833634937	-24.177043704333	VS	100	1	-46.866519597544	-24.227819935297	VS	100	1
-46.790667686864	-24.176916583547	VS	100	1	-46.866589415884	-24.228029994328	VS	100	1
-46.776531918466	-24.150463460612	VS	70	1	-46.866399978549	-24.227756452887	VS	100	1
-46.775573349722	-24.109978068499	VS	100	1	-46.866432134555	-24.228129621062	VS	100	1
-46.776429807772	-24.151049354197	VS	100	1	-46.866234650663	-24.2279039357	VS	100	1
-46.776762603425	-24.167311306411	VS	100	1	-46.866213249602	-24.228027860213	VS	100	1
-46.776753551185	-24.16743840186	VS	100	1	-46.866252532983	-24.228236881458	VS	100	1
-46.775294354051	-24.109801648393	VS	100	1	-46.866059999742	-24.227985814306	VS	100	1
-46.775143508343	-24.109155290794	VS	100	1	-46.865901663081	-24.228086142068	VS	100	1
-46.826476348689	-24.177814669065	VS	100	1	-46.866108360774	-24.228350082297	VS	100	1
-46.825189131905	-24.158176504946	VS	70	1	-46.866578902458	-24.228359336747	VS	100	1
-46.790591725334	-24.176590717003	VS	100	1	-46.866878116776	-24.228148548282	VS	100	1
-46.761527722796	-24.160447346804	VS	70	1	-46.748544955543	-24.164854199064	VS	100	1
-46.736342825423	-24.157668135396	VS	70	1	-46.749045066811	-24.165027366143	VS	100	1
-46.776111555013	-24.15087327109	VS	70	1	-46.796377357041	-24.18779353204	VS	250	1
-46.776425090478	-24.168314594639	VS	100	1	-46.796126921504	-24.187710546916	VS	250	1
-46.776384586153	-24.167257797916	VS	100	1	-46.814085012636	-24.17889463403	VS	70	1
-46.774985793745	-24.109616583308	VS	100	1	-46.813233449269	-24.178367770475	VS	70	1
-46.774944122277	-24.109433320885	VS	100	1	-46.813072930046	-24.178682934753	VS	70	1
-46.776214404775	-24.16770038997	VS	100	1	-46.812980186488	-24.178909289711	VS	70	1
-46.774754578484	-24.109702048582	VS	100	1	-46.813301371826	-24.17912335499	VS	70	1
-46.774736934356	-24.109466745934	VS	100	1	-46.813709193751	-24.179265168441	VS	70	1
-46.758549369932	-24.161362337321	VS	70	1	-46.814020741436	-24.179127020121	VS	70	1
-46.824949370137	-24.158410346057	VS	70	1	-46.819293446562	-24.201427972607	VS	150	1
-46.837822699437	-24.16871580312	VS	70	1	-46.864084438161	-24.212582747533	VS	100	1
-46.83763841947	-24.169161780498	VS	70	1	-46.896304518188	-24.235804399947	VS	70	1
-46.837408548778	-24.169379024595	VS	70	1	-46.891556864526	-24.235830047153	VS	100	1
-46.788214316469	-24.176881968645	VS	100	1	-46.911956728318	-24.23561066523	VS	70	1
-46.776046332289	-24.167087574745	VS	100	1	-46.911745021646	-24.235379282148	VS	70	1
-46.774554850443	-24.109971305233	VS	100	1	-46.814785134175	-24.197204090643	VS	250	1
-46.775761717918	-24.167239797153	VS	100	1	-46.872898481117	-24.230006590111	VS	70	1
-46.775759324739	-24.166960298886	VS	100	1	-46.872657437235	-24.230177838147	VS	70	1
-46.775712097287	-24.168043150669	VS	100	1	-46.875588100791	-24.214517335455	VS	70	1
-46.775361178414	-24.157816634254	VS	70	1	-46.902407530323	-24.225546801375	VS	70	1
-46.77552037925	-24.167411106765	VS	100	1	-46.814469949923	-24.196029988984	VS	70	1
-46.775470539998	-24.168205537451	VS	100	1	-46.90345594067	-24.238182542863	VS	100	1
-46.775028839353	-24.152799738701	VS	70	1	-46.781918960155	-24.15664670334	VS	70	1
-46.775298244529	-24.167564430584	VS	100	1	-46.782464283334	-24.156213325978	VS	70	1
-46.775228991942	-24.168367924035	VS	100	1	-46.782927630559	-24.155857195411	VS	70	1
-46.775048233986	-24.16695961908	VS	100	1	-46.783473054054	-24.15543102	VS	70	1
-46.774816497412	-24.167121934875	VS	100	1	-46.835417507282	-24.169903630034	VS	70	1
-46.774805547834	-24.167898195645	VS	100	1	-46.835308687804	-24.169674141134	VS	70	1
-46.742731648787	-24.156655353803	VS	100	1	-46.835051519108	-24.16941037211	VS	70	1
-46.758291419244	-24.161233965653	VS	70	1	-46.834791110066	-24.169131736677	VS	70	1
-46.764920604795	-24.159176633736	VS	70	1	-46.834566447479	-24.168850571582	VS	70	1
-46.76522892449	-24.159335145722	VS	70	1	-46.835679300479	-24.169638322966	VS	70	1
-46.782397760539	-24.169836055097	VS	150	1	-46.835879841622	-24.169431910546	VS	70	1
-46.791580713789	-24.183133217277	VS	250	1	-46.83610980457	-24.169184981439	VS	70	1
-46.774793734215	-24.166514593751	VS	100	1	-46.83637292744	-24.168912532357	VS	70	1
-46.774411440587	-24.157034404189	VS	100	1	-46.838306111108	-24.167036170179	VS	70	1
-46.774594579693	-24.167284171126	VS	100	1	-46.928101760798	-24.174083586085	VS	70	1
-46.774602823512	-24.168042446204	VS	100	1	-46.928100049529	-24.174438379764	VS	70	1
-46.774490182183	-24.166511588405	VS	100	1	-46.928095667408	-24.174783192499	VS	70	1
-46.774483203222	-24.16637573599	VS	100	1	-46.903829661608	-24.194262574036	VS	70	1
-46.774103261755	-24.157258043296	VS	100	1	-46.903617285218	-24.194012938127	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.774314406556	-24.167473604266	VS	100	1	-46.903375872011	-24.19372952832	VS	70	1
-46.774239034421	-24.166682966317	VS	100	1	-46.903133355974	-24.193444059799	VS	70	1
-46.774073065831	-24.167644911245	VS	100	1	-46.90289663199	-24.193162542967	VS	70	1
-46.818831078635	-24.191923145033	VS	100	1	-46.902173745449	-24.193924754205	VS	70	1
-46.818813990029	-24.19162869988	VS	100	1	-46.902355613093	-24.1941388832	VS	70	1
-46.8187962438	-24.191298713634	VS	100	1	-46.902531585079	-24.194337912707	VS	70	1
-46.818778710042	-24.190977568905	VS	100	1	-46.898043584799	-24.196501470255	VS	70	1
-46.818728989739	-24.190709906126	VS	100	1	-46.892969547015	-24.200074295356	VS	70	1
-46.81829558328	-24.190650769469	VS	100	1	-46.893880416684	-24.199449043361	VS	70	1
-46.819063723113	-24.190751949715	VS	100	1	-46.906450950085	-24.188846042504	VS	70	1
-46.819357757091	-24.190787627002	VS	100	1	-46.906653473365	-24.189094236979	VS	70	1
-46.81948861084	-24.190707481736	VS	100	1	-46.906865809699	-24.189342352583	VS	70	1
-46.819446775086	-24.191011325536	VS	100	1	-46.907078147117	-24.189590458986	VS	70	1
-46.819404553365	-24.191297180788	VS	100	1	-46.907306051678	-24.190111756117	VS	70	1
-46.819328632132	-24.191815272787	VS	100	1	-46.907559247303	-24.190394466927	VS	70	1
-46.8178918224	-24.190600317412	VS	100	1	-46.907809387369	-24.19068301019	VS	70	1
-46.836678683908	-24.158462973321	VS	100	1	-46.928460371572	-24.175049565638	VS	70	1
-46.836443350222	-24.159178950204	VS	70	1	-46.928450330588	-24.174590736902	VS	70	1
-46.836202979147	-24.158975736815	VS	100	1	-46.928440003672	-24.17416100686	VS	70	1
-46.837017757948	-24.199706943595	VS	250	1	-46.926415428915	-24.174190218995	VS	70	1
-46.773997695282	-24.166854273381	VS	100	1	-46.926417815137	-24.17460332537	VS	70	1
-46.773834903551	-24.1677591467	VS	100	1	-46.926428187394	-24.175072216085	VS	70	1
-46.773498738448	-24.164430979901	VS	100	1	-46.889297119121	-24.202541636139	VS	70	1
-46.77350519633	-24.167196947104	VS	100	1	-46.889493922525	-24.202768698085	VS	70	1
-46.773218850376	-24.157877914097	VS	100	1	-46.889719652506	-24.20303324781	VS	70	1
-46.773474272284	-24.167627217473	VS	100	1	-46.889938819995	-24.203293715808	VS	70	1
-46.773270232445	-24.164589299214	VS	100	1	-46.890176056683	-24.203535511682	VS	70	1
-46.773146350774	-24.167417344612	VS	100	1	-46.87893376669	-24.210735706391	VS	70	1
-46.772969954073	-24.158047100238	VS	100	1	-46.879176184877	-24.211010388793	VS	70	1
-46.817546960892	-24.190549418703	VS	100	1	-46.883813884879	-24.206297327449	VS	70	1
-46.817251260277	-24.190507038394	VS	100	1	-46.884026195044	-24.206545472489	VS	70	1
-46.824541958218	-24.189379494127	VS	100	1	-46.884238506004	-24.206793617336	VS	70	1
-46.817075849428	-24.190485870239	VS	100	1	-46.875735160074	-24.212055307347	VS	70	1
-46.817234931549	-24.190122346311	VS	100	1	-46.876254446492	-24.211067134367	VS	70	1
-46.819526675854	-24.190414055969	VS	100	1	-46.87779552791	-24.211097250729	VS	70	1
-46.818576825936	-24.190167118021	VS	100	1	-46.878007477009	-24.21134938825	VS	70	1
-46.818261629304	-24.190124916237	VS	100	1	-46.878213190743	-24.211604070492	VS	70	1
-46.817975887387	-24.190082486547	VS	100	1	-46.878487818475	-24.211922572361	VS	70	1
-46.817678572366	-24.190042614327	VS	100	1	-46.888395587718	-24.203254270734	VS	70	1
-46.773054568781	-24.164739878556	VS	100	1	-46.88864274366	-24.203533584077	VS	70	1
-46.772983680106	-24.167557692117	VS	100	1	-46.888879067095	-24.203817500306	VS	70	1
-46.772660080215	-24.158282066557	VS	100	1	-46.816667733508	-24.151515817132	VS	70	1
-46.772658864111	-24.165026040369	VS	100	1	-46.814814060864	-24.149538898212	VS	70	1
-46.772703711269	-24.167756044092	VS	100	1	-46.814950386431	-24.14974473659	VS	70	1
-46.772349537766	-24.158507177474	VS	100	1	-46.815045627821	-24.150046755878	VS	70	1
-46.772388719999	-24.16522432251	VS	100	1	-46.814985670097	-24.150350372154	VS	70	1
-46.772433353903	-24.167945403255	VS	100	1	-46.814800931573	-24.151234697163	VS	70	1
-46.7721471715085	-24.165386704474	VS	100	1	-46.85309631508	-24.1611100497	VS	70	1
-46.771939104254	-24.165535806822	VS	100	1	-46.85278768065	-24.161335572769	VS	70	1
-46.771635881088	-24.16575615873	VS	100	1	-46.853404957984	-24.160884535127	VS	70	1
-46.771411770311	-24.162058605734	VS	100	1	-46.853723490002	-24.160658883297	VS	70	1
-46.824326667449	-24.189563680312	VS	100	1	-46.854107295474	-24.160125830193	VS	70	1
-46.741755198841	-24.15993355875	VS	100	1	-46.853888722037	-24.160422024737	VS	70	1
-46.741506718219	-24.159801512726	VS	100	1	-46.850645026467	-24.162858346269	VS	70	1
-46.823871309002	-24.17382079086	VS	100	1	-46.854078739996	-24.203382593854	VS	70	1
-46.824211299017	-24.189337601724	VS	100	1	-46.854314724719	-24.203651606713	VS	70	1
-46.771230040397	-24.163127205274	VS	100	1	-46.854567759597	-24.203935068237	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.771006003621	-24.159460596643	VS	100	1	-46.854795973096	-24.204198846688	VS	70	1
-46.771102268563	-24.162289331382	VS	100	1	-46.855016572399	-24.204447351205	VS	70	1
-46.770931614426	-24.161003217035	VS	100	1	-46.855358708955	-24.203921830019	VS	70	1
-46.770852364002	-24.162704359288	VS	100	1	-46.855636335764	-24.204234009808	VS	70	1
-46.770841670691	-24.162478662281	VS	70	1	-46.855902466049	-24.204507232241	VS	70	1
-46.770616999187	-24.15973859207	VS	100	1	-46.856155327939	-24.204785574712	VS	70	1
-46.770632454725	-24.16121956068	VS	100	1	-46.856417542997	-24.20505439805	VS	70	1
-46.770767001821	-24.166378304645	VS	100	1	-46.856638544192	-24.205303993586	VS	70	1
-46.782920213815	-24.170652891311	VS	70	1	-46.856728374099	-24.205173432658	VS	70	1
-46.782692626262	-24.170811890427	VS	70	1	-46.782598755315	-24.177596517557	VS	250	1
-46.781607290071	-24.169114940949	VS	70	1	-46.782894825975	-24.177767950423	VS	250	1
-46.781356776727	-24.169313089347	VS	70	1	-46.783162097823	-24.177917740583	VS	250	1
-46.780835259119	-24.16967385384	VS	70	1	-46.783402904708	-24.178040363069	VS	250	1
-46.835909689259	-24.158617116635	VS	100	1	-46.783682935601	-24.178214586915	VS	250	1
-46.835952435507	-24.158763535411	VS	100	1	-46.78393040166	-24.178263310858	VS	150	1
-46.836843965724	-24.200020402473	VS	250	1	-46.783795080508	-24.178447702778	VS	250	1
-46.835700799387	-24.158836430316	VS	100	1	-46.783668845926	-24.178632201992	VS	250	1
-46.835722401831	-24.158569448881	VS	100	1	-46.783532036863	-24.178831915175	VS	250	1
-46.836682459894	-24.200244721287	VS	250	1	-46.78336391025	-24.179043761251	VS	150	1
-46.835673121265	-24.159390319588	VS	70	1	-46.783203511581	-24.178832460644	VS	250	1
-46.836657505649	-24.202466811018	VS	100	1	-46.782702590488	-24.17856137233	VS	250	1
-46.770459066601	-24.156394046613	VS	100	1	-46.783280124447	-24.178224714215	VS	250	1
-46.770581610004	-24.162669855769	VS	100	1	-46.783150987163	-24.178436774746	VS	250	1
-46.770445502532	-24.162236651615	VS	100	1	-46.783023486134	-24.178616730371	VS	250	1
-46.770337283328	-24.159945846697	VS	100	1	-46.782760749406	-24.178007353687	VS	250	1
-46.77028620373	-24.160719736792	VS	100	1	-46.782597522755	-24.178257831803	VS	250	1
-46.770273407523	-24.162901318689	VS	100	1	-46.782476135903	-24.178435639275	VS	250	1
-46.823263932	-24.153213681042	VS	70	1	-46.782389784272	-24.178564785892	VS	250	1
-46.859101105939	-24.207280044903	VS	70	1	-46.794709121125	-24.192318867658	VS	250	1
-46.85887903563	-24.207031946757	VS	70	1	-46.794529437738	-24.191999456688	VS	250	1
-46.835336590189	-24.186541179307	VS	70	1	-46.888970372192	-24.226592847067	VS	100	1
-46.780872556894	-24.176114955389	VS	100	1	-46.814480322164	-24.151205656881	VS	70	1
-46.809287812971	-24.193916434195	VS	100	1	-46.863318632178	-24.210430898627	VS	70	1
-46.902819915612	-24.232616220949	VS	70	1	-46.863038793844	-24.210255726566	VS	70	1
-46.903446420114	-24.233325036752	VS	70	1	-46.86276102217	-24.21008993317	VS	70	1
-46.740222287059	-24.153481618888	VS	100	1	-46.862483362861	-24.209920689145	VS	70	1
-46.823874653721	-24.189981880996	VS	100	1	-46.865234047402	-24.211560200807	VS	70	1
-46.823880308483	-24.189289604687	VS	100	1	-46.87014299993	-24.189371962575	VS	70	1
-46.82300383468	-24.153010459207	VS	70	1	-46.869991495152	-24.189194862199	VS	70	1
-46.823792027933	-24.191650437587	VS	70	1	-46.869768116434	-24.188893251159	VS	70	1
-46.903244287775	-24.233094677278	VS	70	1	-46.869586226753	-24.188680630722	VS	70	1
-46.831474501663	-24.154986822029	VS	70	1	-46.869404077728	-24.188459004737	VS	70	1
-46.726328867583	-24.149979347759	VS	100	1	-46.869191610287	-24.188201923665	VS	70	1
-46.725463239901	-24.150610111471	VS	100	1	-46.868985968688	-24.187951735868	VS	70	1
-46.822743307064	-24.152789400489	VS	70	1	-46.868776926011	-24.187705539961	VS	70	1
-46.823615513406	-24.189249789161	VS	100	1	-46.868584308057	-24.187457220097	VS	70	1
-46.897421097624	-24.233354507595	VS	100	1	-46.868128860238	-24.186863893384	VS	70	1
-46.823543824299	-24.191536351943	VS	70	1	-46.869049119326	-24.187720205439	VS	70	1
-46.82379095286	-24.203900704566	VS	100	1	-46.869292143308	-24.187581512434	VS	70	1
-46.73810318408	-24.158531911427	VS	100	1	-46.869520950197	-24.187610534561	VS	70	1
-46.82340613348	-24.190419994115	VS	100	1	-46.869533686212	-24.187418939458	VS	70	1
-46.823038874116	-24.180296089422	VS	100	1	-46.869774965078	-24.187247468705	VS	70	1
-46.82329542109	-24.191413334591	VS	70	1	-46.869998291271	-24.187343405202	VS	70	1
-46.721510616337	-24.147176931405	VS	100	1	-46.8692886264	-24.187344700855	VS	70	1
-46.721209886901	-24.147059626134	VS	100	1	-46.868922928279	-24.186894116239	VS	70	1
-46.720613227357	-24.146724790962	VS	100	1	-46.868754849677	-24.186695890618	VS	70	1
-46.827744030449	-24.187984636991	VS	70	1	-46.869540318924	-24.186791263524	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.823181923219	-24.189193898521	VS	100	1	-46.869781564119	-24.18707639056	VS	70	1
-46.823170253804	-24.190634727429	VS	100	1	-46.86997766677	-24.187103054615	VS	70	1
-46.822808648031	-24.176676181022	VS	70	1	-46.870248176365	-24.186922422183	VS	70	1
-46.82216251119	-24.15231204982	VS	100	1	-46.870499184561	-24.186750934585	VS	70	1
-46.835162169338	-24.158965924471	VS	100	1	-46.857360086356	-24.204718917672	VS	70	1
-46.762574929675	-24.168414270142	VS	100	1	-46.857034046752	-24.204942377304	VS	70	1
-46.766183232379	-24.166516164601	VS	70	1	-46.85763411587	-24.204534848399	VS	70	1
-46.766155611038	-24.166907899791	VS	70	1	-46.856617040343	-24.203563518752	VS	70	1
-46.770076543515	-24.160126211221	VS	100	1	-46.856419052291	-24.203351616338	VS	70	1
-46.770025389467	-24.161765635977	VS	100	1	-46.856226315459	-24.203155761505	VS	70	1
-46.770024313753	-24.161652315632	VS	100	1	-46.856264591958	-24.20292299425	VS	70	1
-46.769983987181	-24.160935507363	VS	100	1	-46.856517730131	-24.202718873413	VS	70	1
-46.769956250007	-24.163132550128	VS	100	1	-46.856844255221	-24.202477818781	VS	70	1
-46.769806614486	-24.160333411942	VS	100	1	-46.857110589516	-24.202275029957	VS	70	1
-46.823020251052	-24.191281981548	VS	70	1	-46.865365170947	-24.196455620042	VS	70	1
-46.822888828604	-24.190893073669	VS	100	1	-46.865626108059	-24.196284007469	VS	70	1
-46.822839551669	-24.189455918544	VS	100	1	-46.865896701959	-24.196094290474	VS	70	1
-46.766617018609	-24.166881646766	VS	70	1	-46.863236831576	-24.197652879902	VS	70	1
-46.766874595012	-24.166698281333	VS	70	1	-46.863088968829	-24.197405751707	VS	70	1
-46.765817930626	-24.166723823315	VS	100	1	-46.86313737519	-24.198037571009	VS	70	1
-46.769646173484	-24.163351355604	VS	100	1	-46.863697108259	-24.197646199682	VS	70	1
-46.8279952587	-24.188223634816	VS	70	1	-46.864072871056	-24.197366288441	VS	70	1
-46.828226376864	-24.188444878324	VS	70	1	-46.864524091206	-24.197040244002	VS	70	1
-46.828456187015	-24.188665265241	VS	70	1	-46.864595130133	-24.197341752069	VS	70	1
-46.733706276049	-24.145372416905	VS	70	1	-46.860807434727	-24.199992359248	VS	70	1
-46.822800575254	-24.189747103058	VS	100	1	-46.861230274192	-24.200493369222	VS	70	1
-46.821882138883	-24.152082223049	VS	100	1	-46.860691347787	-24.199248844057	VS	70	1
-46.822728098386	-24.191232532224	VS	100	1	-46.86094218749	-24.19950561066	VS	70	1
-46.828069646265	-24.186836135856	VS	70	1	-46.861189567444	-24.199765131973	VS	70	1
-46.828300792072	-24.187060995213	VS	70	1	-46.861627656754	-24.20028217211	VS	70	1
-46.828542234407	-24.187291428995	VS	70	1	-46.861845992736	-24.200510968297	VS	70	1
-46.828783422155	-24.187521557973	VS	70	1	-46.860635414266	-24.199821480678	VS	70	1
-46.829034644542	-24.187769227493	VS	70	1	-46.861207837387	-24.199396546224	VS	70	1
-46.831059579478	-24.188262521131	VS	70	1	-46.861889499674	-24.199210438757	VS	70	1
-46.830893144054	-24.186657614176	VS	70	1	-46.861664814286	-24.198933341006	VS	70	1
-46.831133170841	-24.186890007038	VS	70	1	-46.861435811438	-24.198656035398	VS	70	1
-46.831358332027	-24.187102643841	VS	70	1	-46.861227192455	-24.19838979715	VS	70	1
-46.830396557839	-24.186036576605	VS	70	1	-46.862368937183	-24.198932325056	VS	70	1
-46.855059211082	-24.217911603709	VS	70	1	-46.862270609166	-24.198648963377	VS	70	1
-46.834931698291	-24.158771419145	VS	100	1	-46.862112260933	-24.198606399952	VS	70	1
-46.74997231601	-24.158657661027	VS	70	1	-46.861849520266	-24.198272591609	VS	70	1
-46.769707204495	-24.161137432502	VS	100	1	-46.861647863387	-24.197976464855	VS	70	1
-46.769678455457	-24.161358616789	VS	100	1	-46.861824357035	-24.198963287525	VS	70	1
-46.770495854484	-24.161972701853	VS	100	1	-46.867540188242	-24.195896969569	VS	70	1
-46.769647941182	-24.16192272468	VS	100	1	-46.86569535191	-24.2206671825	VS	70	1
-46.769497616217	-24.160549840648	VS	100	1	-46.904644982621	-24.228157328256	VS	70	1
-46.769485309195	-24.161138679261	VS	100	1	-46.870146660492	-24.223426563222	VS	100	1
-46.769420105596	-24.162076837474	VS	100	1	-46.869907648538	-24.223510296123	VS	100	1
-46.769405948768	-24.161354697933	VS	100	1	-46.869886831065	-24.223280949203	VS	100	1
-46.769285140694	-24.160915381985	VS	100	1	-46.870783893277	-24.186559397806	VS	70	1
-46.76924646632	-24.160721210819	VS	100	1	-46.871085816613	-24.186350024173	VS	70	1
-46.749628417698	-24.158466681263	VS	70	1	-46.8677106894	-24.186373462945	VS	70	1
-46.748154608115	-24.158330618373	VS	100	1	-46.867753661555	-24.186103273073	VS	70	1
-46.753003945301	-24.156742702285	VS	100	1	-46.867953568924	-24.185981489092	VS	70	1
-46.752655000929	-24.156984945892	VS	100	1	-46.867927980083	-24.1857318342	VS	70	1
-46.755557709027	-24.168783394207	VS	100	1	-46.868111007157	-24.185946776965	VS	70	1
-46.733495993201	-24.145122996523	VS	70	1	-46.868431656782	-24.185484223563	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.73559151139	-24.145327153662	VS	70	1	-46.868219195508	-24.185227141985	VS	70	1
-46.735775329317	-24.145545602348	VS	70	1	-46.868037266462	-24.185014438256	VS	70	1
-46.73586383925	-24.143384217816	VS	70	1	-46.867855124633	-24.1847928114	VS	70	1
-46.736211994822	-24.143139844441	VS	70	1	-46.867652700302	-24.184544576349	VS	70	1
-46.72683905966	-24.144030324546	VS	70	1	-46.867431145893	-24.184314440456	VS	70	1
-46.727101458598	-24.143844539647	VS	70	1	-46.867409288189	-24.184464564576	VS	70	1
-46.72743948222	-24.143610163761	VS	70	1	-46.868812224331	-24.185041653082	VS	70	1
-46.727748268	-24.143384911053	VS	70	1	-46.868590579478	-24.184777055523	VS	70	1
-46.728008599419	-24.143186787445	VS	70	1	-46.868351080845	-24.184492524712	VS	70	1
-46.834701439542	-24.158585827289	VS	100	1	-46.868117246529	-24.184209761345	VS	70	1
-46.769033452597	-24.163024844051	VS	100	1	-46.86794054806	-24.184103367476	VS	70	1
-46.769128723032	-24.161551831216	VS	100	1	-46.867660221407	-24.18428406315	VS	70	1
-46.769107101131	-24.160691193699	VS	100	1	-46.868210982729	-24.18392278133	VS	70	1
-46.769090492379	-24.162312147798	VS	100	1	-46.868721335467	-24.183815617951	VS	70	1
-46.768939577645	-24.157609118087	VS	70	1	-46.868923547724	-24.184054928722	VS	70	1
-46.768725539872	-24.161108735658	VS	100	1	-46.868509098738	-24.183567469299	VS	70	1
-46.769046801453	-24.163785646945	VS	100	1	-46.867664392796	-24.183671342593	VS	70	1
-46.768980599721	-24.163063468033	VS	100	1	-46.867890450715	-24.183943138788	VS	70	1
-46.768816848765	-24.161776075848	VS	100	1	-46.868750435484	-24.183552741845	VS	70	1
-46.768751410802	-24.157637762301	VS	100	1	-46.868929641738	-24.18344182687	VS	70	1
-46.768823923348	-24.162509639421	VS	100	1	-46.870422103802	-24.18505506854	VS	70	1
-46.768755399857	-24.158127872442	VS	70	1	-46.818069671166	-24.175805676518	VS	70	1
-46.768803473923	-24.164202358724	VS	100	1	-46.907833909871	-24.245582112419	VS	100	1
-46.768691241191	-24.163279727632	VS	100	1	-46.912773857736	-24.242829598711	VS	100	1
-46.768574432854	-24.157765934091	VS	100	1	-46.912522441744	-24.242688540118	VS	100	1
-46.768588204576	-24.161939486996	VS	100	1	-46.912160141131	-24.242475628224	VS	100	1
-46.768506897104	-24.15799586747	VS	70	1	-46.912773062514	-24.24295801089	VS	100	1
-46.768576523242	-24.162689009812	VS	100	1	-46.913075289948	-24.242733962093	VS	100	1
-46.768581425993	-24.163945229628	VS	100	1	-46.910482550036	-24.246238675109	VS	100	1
-46.768534928894	-24.164146419392	VS	100	1	-46.910217630005	-24.245969843338	VS	100	1
-46.768375912319	-24.160601313432	VS	70	1	-46.909970374392	-24.245705562351	VS	100	1
-46.76840126189	-24.163469219968	VS	100	1	-46.909744598304	-24.245448603875	VS	100	1
-46.768273808966	-24.158497484689	VS	100	1	-46.909502513394	-24.24519181012	VS	100	1
-46.768350002499	-24.163706024263	VS	100	1	-46.909402311877	-24.245090343534	VS	100	1
-46.768289039216	-24.162155825155	VS	100	1	-46.870144437686	-24.185039896957	VS	70	1
-46.768277063178	-24.162887425515	VS	100	1	-46.870375416057	-24.184878000044	VS	70	1
-46.768159250736	-24.157811205913	VS	70	1	-46.86996378814	-24.184516155495	VS	70	1
-46.768090937922	-24.160800420309	VS	70	1	-46.870246591016	-24.184347604414	VS	70	1
-46.76795907533	-24.158218847653	VS	100	1	-46.869839738485	-24.184372629286	VS	70	1
-46.76811182091	-24.163685539061	VS	100	1	-46.86959440338	-24.184075472167	VS	70	1
-46.767999742429	-24.162372040177	VS	100	1	-46.869352879046	-24.183785748516	VS	70	1
-46.767965578676	-24.158330227028	VS	100	1	-46.869148787599	-24.183534900396	VS	70	1
-46.767987704125	-24.163103683668	VS	100	1	-46.868961108459	-24.183304540982	VS	70	1
-46.767968345313	-24.163251641897	VS	100	1	-46.86930141377	-24.183176620284	VS	70	1
-46.767777024726	-24.158349726308	VS	100	1	-46.869542164381	-24.183037413358	VS	70	1
-46.767841241482	-24.163865967639	VS	100	1	-46.86948487254	-24.182857009453	VS	70	1
-46.767667109899	-24.158162861437	VS	100	1	-46.869720620241	-24.183142960416	VS	70	1
-46.767690549873	-24.162579524408	VS	100	1	-46.869917941751	-24.182570193264	VS	70	1
-46.767697976622	-24.163311131674	VS	100	1	-46.870112434885	-24.182815739743	VS	70	1
-46.767583257628	-24.162819693529	VS	100	1	-46.842267494336	-24.168835266871	VS	70	1
-46.767368906264	-24.158004455217	VS	100	1	-46.89154406978	-24.230803069726	VS	70	1
-46.767447035127	-24.163491420198	VS	100	1	-46.904359467377	-24.250361414569	VS	100	1
-46.767381709055	-24.162804895631	VS	100	1	-46.903408120876	-24.249391647478	VS	100	1
-46.767140793551	-24.162994036236	VS	100	1	-46.903219384646	-24.249185089982	VS	100	1
-46.76703081015	-24.157819569813	VS	100	1	-46.903787819273	-24.248935034916	VS	100	1
-46.76692567857	-24.163861092094	VS	100	1	-46.903594089835	-24.248721039782	VS	100	1
-46.766841417246	-24.163201439657	VS	100	1	-46.903889130001	-24.249850392075	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.766783554213	-24.160224436566	VS	100	1	-46.903635325027	-24.249633568489	VS	100	1
-46.766655550225	-24.164059345702	VS	100	1	-46.906045236344	-24.252316340127	VS	100	1
-46.766571053829	-24.163390788322	VS	100	1	-46.905515434799	-24.251999505258	VS	100	1
-46.766433423297	-24.164212656211	VS	100	1	-46.904271884659	-24.25126823374	VS	100	1
-46.822675041041	-24.191093391821	VS	100	1	-46.906239463696	-24.252242743234	VS	100	1
-46.821601585727	-24.15184350109	VS	70	1	-46.906299360642	-24.252259117935	VS	100	1
-46.822365006092	-24.189079481499	VS	100	1	-46.910870184238	-24.254340372727	VS	100	1
-46.82169132678	-24.186874364852	VS	100	1	-46.910792764784	-24.253750654529	VS	100	1
-46.821399821047	-24.187751147344	VS	100	1	-46.824722421526	-24.173131156229	VS	70	1
-46.82137785939	-24.187337159874	VS	100	1	-46.870245784525	-24.223250344458	VS	100	1
-46.821233332801	-24.187557536597	VS	100	1	-46.87047701723	-24.223085396528	VS	100	1
-46.821110633017	-24.187190704413	VS	100	1	-46.870710704536	-24.222918098468	VS	100	1
-46.821091391587	-24.187781797899	VS	100	1	-46.870948509518	-24.222755708539	VS	100	1
-46.766338695553	-24.163559672819	VS	100	1	-46.871189181319	-24.22258216163	VS	100	1
-46.766394536037	-24.167031872437	VS	100	1	-46.870233477717	-24.18256415783	VS	70	1
-46.766192287678	-24.164392863273	VS	100	1	-46.870895581364	-24.182136756984	VS	70	1
-46.766072958894	-24.164954147444	VS	100	1	-46.871237776933	-24.181901262895	VS	70	1
-46.766000956379	-24.165191076813	VS	100	1	-46.871600185544	-24.18166220468	VS	70	1
-46.765922136921	-24.164591132722	VS	100	1	-46.871881773715	-24.181483193685	VS	70	1
-46.765881217869	-24.16473249549	VS	100	1	-46.872102516673	-24.181566342996	VS	70	1
-46.765827855507	-24.163922636829	VS	100	1	-46.872126187649	-24.181314002604	VS	70	1
-46.765718821463	-24.165395106976	VS	100	1	-46.872407965567	-24.181135157906	VS	70	1
-46.76567129085	-24.164771357275	VS	100	1	-46.871881122947	-24.181295093807	VS	70	1
-46.765679876432	-24.164511162409	VS	100	1	-46.871654838306	-24.181041140442	VS	70	1
-46.765538284045	-24.16412996723	VS	100	1	-46.871413872945	-24.180779800907	VS	70	1
-46.820856912998	-24.187656743671	VS	100	1	-46.871170435744	-24.180499432547	VS	70	1
-46.820831218125	-24.187014188008	VS	100	1	-46.870954375322	-24.180266520533	VS	70	1
-46.820572135067	-24.186855567377	VS	100	1	-46.872662652184	-24.180962511591	VS	70	1
-46.82057798595	-24.187489355315	VS	100	1	-46.872893268681	-24.18079625393	VS	70	1
-46.765541679719	-24.166247284673	VS	100	1	-46.873125598417	-24.180578630701	VS	70	1
-46.765452055412	-24.165585418454	VS	100	1	-46.87334960829	-24.180425510322	VS	70	1
-46.76528606099	-24.164058617756	VS	70	1	-46.873569963049	-24.18028088311	VS	70	1
-46.765248792003	-24.164337245086	VS	100	1	-46.873816021796	-24.180119379313	VS	70	1
-46.820795745345	-24.200391610301	VS	250	1	-46.874054355145	-24.179957863999	VS	70	1
-46.820282997531	-24.186670434257	VS	100	1	-46.830562306845	-24.159274943947	VS	70	1
-46.820269482747	-24.187313319228	VS	100	1	-46.830242859537	-24.159005353637	VS	70	1
-46.731613182154	-24.145616454524	VS	70	1	-46.830208327834	-24.158817152834	VS	70	1
-46.731536351399	-24.145594675603	VS	100	1	-46.829978108825	-24.159065969296	VS	70	1
-46.730319660917	-24.146441967186	VS	100	1	-46.829965629612	-24.158766834101	VS	70	1
-46.730301134129	-24.152984107803	VS	100	1	-46.842120392008	-24.165552864993	VS	70	1
-46.765241760878	-24.166433608242	VS	100	1	-46.841799654982	-24.165293285637	VS	70	1
-46.765187246118	-24.165776856649	VS	100	1	-46.833915052768	-24.163449275318	VS	70	1
-46.765140371925	-24.165149978881	VS	100	1	-46.834090388132	-24.16359759967	VS	70	1
-46.765104635664	-24.163848404275	VS	70	1	-46.834307026591	-24.163772524279	VS	70	1
-46.764962847399	-24.166283674797	VS	100	1	-46.88795024539	-24.234511375689	VS	100	1
-46.764927251823	-24.165956671884	VS	100	1	-46.790645119502	-24.166123185196	VS	70	1
-46.764650608315	-24.165965574718	VS	100	1	-46.834534821476	-24.1639706638	VS	70	1
-46.764554632097	-24.166811001523	VS	100	1	-46.834700593838	-24.164123612753	VS	70	1
-46.73013614054	-24.14656817722	VS	100	1	-46.834937507169	-24.164299740378	VS	70	1
-46.729894796271	-24.146739411602	VS	100	1	-46.835443363853	-24.164729670152	VS	70	1
-46.819993822484	-24.186485272595	VS	100	1	-46.835689208748	-24.164918907121	VS	70	1
-46.820050988272	-24.189825650464	VS	100	1	-46.835921826839	-24.165101804373	VS	70	1
-46.729402502614	-24.147090868479	VS	100	1	-46.832763884301	-24.158642147074	VS	70	1
-46.729212195341	-24.144721778805	VS	100	1	-46.822627690572	-24.176908823647	VS	70	1
-46.763921810753	-24.166470990451	VS	100	1	-46.832733756995	-24.15845074001	VS	70	1
-46.763834935806	-24.167735966168	VS	100	1	-46.832975288171	-24.158221630826	VS	70	1
-46.763765156563	-24.167814173219	VS	100	1	-46.832471331862	-24.158396324152	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.763531741678	-24.167690926858	VS	100	1	-46.832197435108	-24.158148261365	VS	70	1
-46.729151493073	-24.147271125311	VS	100	1	-46.835467515195	-24.158359102634	VS	70	1
-46.728922624645	-24.144929037573	VS	100	1	-46.836763129613	-24.156375932685	VS	70	1
-46.72893895651	-24.147415380237	VS	100	1	-46.792183287714	-24.181525972171	VS	100	1
-46.725890165882	-24.151749507603	VS	100	1	-46.820710794366	-24.163388911084	VS	100	1
-46.726416605409	-24.152057482724	VS	100	1	-46.820823321945	-24.163090142722	VS	100	1
-46.819882917486	-24.188424805739	VS	100	1	-46.820935838426	-24.162794709839	VS	100	1
-46.819856356036	-24.189806779563	VS	100	1	-46.818991595344	-24.148688078008	VS	70	1
-46.819752497023	-24.188937019477	VS	100	1	-46.818749491618	-24.148928680002	VS	70	1
-46.819734828466	-24.18910881188	VS	100	1	-46.818512080599	-24.149160331175	VS	70	1
-46.819684976819	-24.187860375727	VS	100	1	-46.829768848913	-24.161970022573	VS	70	1
-46.819700500854	-24.189314299222	VS	100	1	-46.829551757909	-24.162184791705	VS	70	1
-46.7285258312	-24.149036507631	VS	70	1	-46.844546293056	-24.165152496328	VS	70	1
-46.728475467946	-24.147739864873	VS	100	1	-46.844231893119	-24.165392953014	VS	70	1
-46.728362726744	-24.145325557168	VS	100	1	-46.843925898775	-24.165608717549	VS	70	1
-46.728269269849	-24.148146011016	VS	70	1	-46.843640256574	-24.165808988033	VS	70	1
-46.728243723119	-24.147902097527	VS	100	1	-46.843847891671	-24.166088783928	VS	70	1
-46.727970105679	-24.149954018231	VS	100	1	-46.844040683092	-24.16635208058	VS	70	1
-46.727896979587	-24.148924510405	VS	100	1	-46.844275592228	-24.16613684644	VS	70	1
-46.882725422429	-24.225406617524	VS	100	1	-46.844558364442	-24.165899304559	VS	70	1
-46.762876416253	-24.162403392719	VS	100	1	-46.844835050011	-24.165648504409	VS	70	1
-46.762681138933	-24.162018484409	VS	100	1	-46.845137495595	-24.165384837098	VS	70	1
-46.762578014675	-24.162236054739	VS	100	1	-46.845377335402	-24.16517472134	VS	70	1
-46.762607078739	-24.165534382446	VS	100	1	-46.845873387452	-24.164743177906	VS	70	1
-46.819658271047	-24.189600154475	VS	100	1	-46.846632568075	-24.164089193176	VS	70	1
-46.819569705354	-24.187557868635	VS	100	1	-46.849190527701	-24.159060143253	VS	70	1
-46.819606483968	-24.18989484426	VS	100	1	-46.848989163852	-24.158840276112	VS	70	1
-46.81953538091	-24.188903916464	VS	100	1	-46.848743239271	-24.158836449637	VS	70	1
-46.819544285187	-24.188386750742	VS	100	1	-46.848423763573	-24.159040488958	VS	70	1
-46.819508592804	-24.189757176193	VS	100	1	-46.846190801489	-24.169229254589	VS	70	1
-46.752036233975	-24.157876649284	VS	70	1	-46.846348711768	-24.169354974909	VS	70	1
-46.881792322343	-24.224654053894	VS	100	1	-46.846615726153	-24.169581677675	VS	70	1
-46.881523429123	-24.224833454199	VS	100	1	-46.846889217364	-24.169809909172	VS	70	1
-46.762407967228	-24.162796554294	VS	100	1	-46.847191136341	-24.170030683846	VS	70	1
-46.762371870033	-24.162244139197	VS	100	1	-46.847475286451	-24.170245753009	VS	70	1
-46.83173116579	-24.185990758517	VS	70	1	-46.84778332003	-24.17046926311	VS	70	1
-46.832192167468	-24.186423120607	VS	70	1	-46.845954160629	-24.169019059103	VS	70	1
-46.727751484777	-24.148592038429	VS	100	1	-46.845743191493	-24.168767268695	VS	70	1
-46.727626603615	-24.149113786185	VS	100	1	-46.84587721041	-24.168222018005	VS	70	1
-46.727533106386	-24.148486520245	VS	100	1	-46.846123120285	-24.167971827773	VS	70	1
-46.727259866625	-24.148536446633	VS	100	1	-46.846377075717	-24.167702291309	VS	70	1
-46.727215097975	-24.148310430363	VS	100	1	-46.845395449825	-24.168095188169	VS	70	1
-46.72715334834	-24.149438298285	VS	100	1	-46.845171922007	-24.167797982529	VS	70	1
-46.726989500629	-24.148725721545	VS	100	1	-46.844920882484	-24.167464592222	VS	70	1
-46.726976891605	-24.14819614241	VS	70	1	-46.845397630977	-24.167673496334	VS	70	1
-46.762330798114	-24.162093986833	VS	70	1	-46.846003375218	-24.167219836319	VS	70	1
-46.762119638588	-24.162638096544	VS	100	1	-46.84630216589	-24.166994115583	VS	70	1
-46.762054284071	-24.161951517961	VS	100	1	-46.846542205996	-24.16681123257	VS	70	1
-46.726682105496	-24.150277079882	VS	100	1	-46.846380378165	-24.169021652628	VS	70	1
-46.726536585966	-24.145932355115	VS	100	1	-46.846627815779	-24.168751640589	VS	70	1
-46.726383565269	-24.150100758719	VS	100	1	-46.901621999533	-24.25019990455	VS	100	1
-46.726117142892	-24.142992410596	VS	100	1	-46.853153918076	-24.219950891397	VS	100	1
-46.819313671421	-24.18887633998	VS	100	1	-46.840414223533	-24.170484088988	VS	70	1
-46.819134614905	-24.189707627127	VS	100	1	-46.876162770955	-24.214824026726	VS	70	1
-46.726086617404	-24.149943017183	VS	100	1	-46.769907580419	-24.174138029233	VS	250	1
-46.761821112209	-24.162470690539	VS	100	1	-46.76959161479	-24.173994095494	VS	250	1
-46.761776228182	-24.163077523493	VS	100	1	-46.76929379768	-24.173853523512	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.761619379235	-24.1627756712	VS	100	1	-46.767417190197	-24.160565086945	VS	70	1
-46.761636939534	-24.162998240464	VS	100	1	-46.839138325535	-24.202724017548	VS	70	1
-46.761527208582	-24.161660936248	VS	100	1	-46.762152698124	-24.164339560902	VS	70	1
-46.725856595581	-24.143181617496	VS	100	1	-46.762420938276	-24.164144229758	VS	70	1
-46.72581719971	-24.149782324271	VS	100	1	-46.79627153654	-24.18775156112	VS	70	1
-46.725586230738	-24.14337089102	VS	100	1	-46.891806222738	-24.238214771247	VS	100	1
-46.725325681929	-24.143560096785	VS	100	1	-46.891595037955	-24.237999183435	VS	100	1
-46.725489490634	-24.149594545137	VS	100	1	-46.891461164408	-24.238846605906	VS	100	1
-46.72518262056	-24.143051415891	VS	100	1	-46.892565416155	-24.246209360242	VS	100	1
-46.725055315565	-24.143749369137	VS	100	1	-46.838745436345	-24.163578234632	VS	100	1
-46.725062087625	-24.147969716257	VS	100	1	-46.879043695906	-24.234212527831	VS	100	1
-46.724969881988	-24.146475666275	VS	100	1	-46.878018186586	-24.224076317873	VS	100	1
-46.724925739009	-24.143241724564	VS	100	1	-46.884723376022	-24.205515324426	VS	100	1
-46.724848793313	-24.142046743361	VS	100	1	-46.771616101064	-24.174907315908	VS	250	1
-46.724794765258	-24.143938573768	VS	100	1	-46.771328098778	-24.174766677502	VS	250	1
-46.81878046949	-24.189656945177	VS	100	1	-46.77104689018	-24.174665562572	VS	250	1
-46.818654328459	-24.18897071555	VS	100	1	-46.77325452307	-24.153722890859	VS	100	1
-46.818443014663	-24.189614357658	VS	100	1	-46.770722249736	-24.174515511727	VS	250	1
-46.724655682357	-24.142181936491	VS	100	1	-46.867632826833	-24.222109786321	VS	70	1
-46.761397828462	-24.162955757155	VS	100	1	-46.867459457568	-24.222022122866	VS	70	1
-46.761289267631	-24.162822361239	VS	100	1	-46.867270278253	-24.221916546717	VS	70	1
-46.760980833212	-24.162646167162	VS	100	1	-46.817930062831	-24.193452467421	VS	100	1
-46.760696584809	-24.16250078489	VS	100	1	-46.818117192859	-24.192686870326	VS	100	1
-46.87885409577	-24.224225718345	VS	70	1	-46.824512570412	-24.201224362826	VS	250	1
-46.719337388688	-24.144638402977	VS	100	1	-46.824309791669	-24.201368723732	VS	250	1
-46.724821713691	-24.149166583946	VS	100	1	-46.824097381534	-24.201513018244	VS	250	1
-46.724664976146	-24.143422006986	VS	100	1	-46.823788396287	-24.201729529913	VS	250	1
-46.724553654566	-24.144118704052	VS	100	1	-46.823508187366	-24.201919061635	VS	250	1
-46.724505324174	-24.147365041924	VS	100	1	-46.823257224913	-24.202099442178	VS	250	1
-46.7243757153	-24.14238019717	VS	100	1	-46.823021627736	-24.202003019551	VS	250	1
-46.724423583944	-24.143595872647	VS	100	1	-46.822544266587	-24.201747991763	VS	250	1
-46.724371130267	-24.141651308684	VS	100	1	-46.817752614221	-24.192636105717	VS	100	1
-46.724512830959	-24.14898119753	VS	100	1	-46.82253168696	-24.20243261119	VS	250	1
-46.724292889292	-24.144298985497	VS	100	1	-46.822349335477	-24.202341373528	VS	250	1
-46.753613428074	-24.165903737477	VS	100	1	-46.82225548708	-24.201580666063	VS	250	1
-46.818293761989	-24.189035756839	VS	100	1	-46.822032467459	-24.20215851658	VS	250	1
-46.818061516145	-24.189564292803	VS	100	1	-46.822016649947	-24.201448657012	VS	250	1
-46.817923096945	-24.189136736904	VS	100	1	-46.823440871367	-24.194771804366	VS	250	1
-46.753005619201	-24.165968087022	VS	100	1	-46.822000730905	-24.199649876408	VS	70	1
-46.724270328046	-24.147537760703	VS	100	1	-46.823402295027	-24.198561092403	VS	70	1
-46.72411455198	-24.143805352227	VS	100	1	-46.810872761438	-24.197661394889	VS	250	1
-46.724081561032	-24.141858558161	VS	100	1	-46.810105574456	-24.197348871189	VS	250	1
-46.724009125108	-24.142650429446	VS	100	1	-46.809749962043	-24.196938147025	VS	250	1
-46.724032133131	-24.144479266664	VS	100	1	-46.809839929201	-24.197528400243	VS	150	1
-46.724028975425	-24.1477089844	VS	100	1	-46.809499518622	-24.1976404767	VS	250	1
-46.723974986689	-24.145967429377	VS	100	1	-46.809444015224	-24.196363312192	VS	100	1
-46.748075751906	-24.158992369779	VS	100	1	-46.809149985365	-24.19802513168	VS	150	1
-46.748038338095	-24.159474626233	VS	100	1	-46.808263155354	-24.197993348937	VS	250	1
-46.747738108609	-24.158825289264	VS	100	1	-46.810617073433	-24.197944522106	VS	250	1
-46.747700158066	-24.159289625809	VS	100	1	-46.810427386714	-24.197125998178	VS	250	1
-46.747368967039	-24.159297119644	VS	100	1	-46.81036160759	-24.19824394666	VS	250	1
-46.747372358838	-24.159113695667	VS	100	1	-46.810117367714	-24.198505776908	VS	250	1
-46.72399489745	-24.14792637803	VS	100	1	-46.810101014645	-24.198615573202	VS	250	1
-46.723867150273	-24.14397996774	VS	100	1	-46.810011257413	-24.198225434182	VS	250	1
-46.723807946072	-24.14204957645	VS	100	1	-46.809888162951	-24.198775197476	VS	250	1
-46.723738555645	-24.142830777637	VS	100	1	-46.809802284752	-24.198792279213	VS	250	1
-46.723716185269	-24.147758831073	VS	100	1	-46.809806548851	-24.198907917684	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.723672219992	-24.147140519093	VS	100	1	-46.809751714363	-24.197924005275	VS	250	1
-46.72359337077	-24.144179004057	VS	100	1	-46.80964675794	-24.196219016251	VS	250	1
-46.723546289743	-24.142786390367	VS	100	1	-46.809556804552	-24.198550967758	VS	250	1
-46.774728001976	-24.15681099688	VS	100	1	-46.809509477185	-24.198803101496	VS	250	1
-46.817756342862	-24.189530930815	VS	100	1	-46.809468394267	-24.197790726124	VS	250	1
-46.817652035935	-24.189209718289	VS	100	1	-46.809291879385	-24.195748779579	VS	250	1
-46.730150819391	-24.143333157276	VS	100	1	-46.809307444026	-24.197409949736	VS	250	1
-46.730211480802	-24.144652267826	VS	100	1	-46.809313857839	-24.198261129996	VS	250	1
-46.730323727789	-24.149885387905	VS	100	1	-46.809216695235	-24.196522735655	VS	250	1
-46.730055460496	-24.1497445499	VS	100	1	-46.809197232572	-24.198691889205	VS	250	1
-46.729580986957	-24.143741286416	VS	100	1	-46.809105720241	-24.197188353004	VS	250	1
-46.729744397989	-24.149866020829	VS	100	1	-46.809050297947	-24.195911218048	VS	250	1
-46.729744204627	-24.14958321364	VS	100	1	-46.80901547177	-24.196682742429	VS	250	1
-46.774270980423	-24.158614271867	VS	70	1	-46.808913781375	-24.196966628958	VS	70	1
-46.723531615831	-24.142236262731	VS	100	1	-46.80891799151	-24.198178592252	VS	150	1
-46.723497212377	-24.143002001706	VS	100	1	-46.808861741816	-24.197569468944	VS	250	1
-46.7235492279	-24.146490013055	VS	100	1	-46.808854933108	-24.198572491259	VS	250	1
-46.723370940588	-24.142588172158	VS	100	1	-46.808789520261	-24.196091645884	VS	250	1
-46.72340805174	-24.147591494528	VS	100	1	-46.808729176092	-24.196859554814	VS	250	1
-46.924309065827	-24.220837191574	VS	70	1	-46.808734669448	-24.198313819919	VS	150	1
-46.729289360569	-24.143947821461	VS	100	1	-46.808681954405	-24.196709842794	VS	250	1
-46.729445211447	-24.150082268517	VS	100	1	-46.80854858483	-24.196280842406	VS	250	1
-46.729155423191	-24.15028061312	VS	100	1	-46.808552756495	-24.197785938705	VS	250	1
-46.728887209155	-24.150471006433	VS	100	1	-46.808500132594	-24.196497079441	VS	250	1
-46.728589633898	-24.145796811837	VS	100	1	-46.808487732482	-24.197021896688	VS	250	1
-46.728319479914	-24.145995012114	VS	100	1	-46.808499615149	-24.198453851859	VS	250	1
-46.728039508092	-24.146193279101	VS	100	1	-46.80834951453	-24.196321068065	VS	250	1
-46.730294758914	-24.147707283348	VS	70	1	-46.808287676988	-24.196452294794	VS	250	1
-46.907449524115	-24.234653480088	VS	100	1	-46.808217202818	-24.196160238912	VS	250	1
-46.813871979213	-24.198607047067	VS	250	1	-46.808236723113	-24.197202285836	VS	250	1
-46.723402046841	-24.147338708865	VS	100	1	-46.808228037983	-24.198352494736	VS	250	1
-46.723260883668	-24.142435357307	VS	100	1	-46.808026776708	-24.196632798834	VS	250	1
-46.723226864794	-24.143191271151	VS	100	1	-46.807975941571	-24.197382711734	VS	250	1
-46.72327885252	-24.146679280961	VS	100	1	-46.807968363493	-24.198188453003	VS	250	1
-46.723251826156	-24.146259897891	VS	100	1	-46.807756383534	-24.196822218929	VS	250	1
-46.723000537853	-24.142633480712	VS	100	1	-46.807744177151	-24.197545075505	VS	250	1
-46.722998872753	-24.146877537347	VS	100	1	-46.807746302143	-24.19794232083	VS	250	1
-46.722933675808	-24.146083715136	VS	100	1	-46.807514221533	-24.197685210405	VS	150	1
-46.817402886424	-24.189489289686	VS	100	1	-46.807447628259	-24.197047582454	VS	250	1
-46.817359792467	-24.189310120532	VS	100	1	-46.807332609773	-24.197481368238	VS	250	1
-46.817332963621	-24.189543185574	VS	100	1	-46.807198838238	-24.197205491119	VS	250	1
-46.901570745467	-24.232863241914	VS	70	1	-46.811689402574	-24.198117530191	VS	250	1
-46.899270056559	-24.236980380322	VS	250	1	-46.811066345993	-24.197402622053	VS	250	1
-46.893564464623	-24.225745151125	VS	100	1	-46.809879982889	-24.196025403992	VS	250	1
-46.891840819461	-24.234971317445	VS	70	1	-46.811451380854	-24.197839849264	VS	250	1
-46.773424479939	-24.157896008233	VS	70	1	-46.811287431646	-24.19766584434	VS	250	1
-46.727498748374	-24.146571849803	VS	100	1	-46.810662254597	-24.196937172401	VS	250	1
-46.738524368227	-24.148781514367	VS	70	1	-46.810494337376	-24.196741220996	VS	250	1
-46.727237609566	-24.146752369143	VS	100	1	-46.810101930972	-24.196273549589	VS	250	1
-46.726731809076	-24.145789637393	VS	100	1	-46.809738483023	-24.195856947893	VS	250	1
-46.726228687762	-24.142304624657	VS	100	1	-46.809486881545	-24.195600105174	VS	250	1
-46.726229735628	-24.146155576151	VS	100	1	-46.809326875331	-24.195407003405	VS	250	1
-46.824090891555	-24.1739707916	VS	100	1	-46.809116455038	-24.195230147863	VS	250	1
-46.729914188517	-24.14868858236	VS	100	1	-46.809066081825	-24.195006770235	VS	250	2
-46.72261561596	-24.145925177236	VS	100	1	-46.808851046433	-24.19518132691	VS	250	1
-46.722420726001	-24.147069260598	VS	100	1	-46.808856863811	-24.195018668733	VS	250	2
-46.722271209416	-24.14387614513	VS	100	1	-46.808698625534	-24.195292432247	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.722536932396	-24.145890666402	VS	100	1	-46.808474431698	-24.195459685508	VS	250	1
-46.722096244547	-24.146895837206	VS	100	1	-46.808221654108	-24.195632344704	VS	250	1
-46.722147055128	-24.145697692352	VS	100	1	-46.807980524773	-24.195813664096	VS	250	1
-46.721947797042	-24.145888512961	VS	100	1	-46.807742911321	-24.195984549335	VS	250	1
-46.725641014831	-24.146564600164	VS	100	1	-46.80746745633	-24.196173099243	VS	250	1
-46.725456652135	-24.142863246642	VS	100	1	-46.81749241148	-24.193045870018	VS	70	1
-46.880861302715	-24.228670107121	VS	100	1	-46.818509849053	-24.200211381464	VS	250	1
-46.87903973355	-24.227203136246	VS	100	1	-46.820584169766	-24.201359336147	VS	250	1
-46.875649115645	-24.216656016115	VS	70	1	-46.820314192065	-24.20120092664	VS	250	1
-46.874117190599	-24.226715831453	VS	100	1	-46.820010501185	-24.201043366407	VS	250	1
-46.871408480269	-24.215261920614	VS	100	1	-46.819775815182	-24.200908970814	VS	250	1
-46.871519607137	-24.228548076775	VS	100	1	-46.8218613454	-24.202871571765	VS	250	1
-46.870713623014	-24.216434475174	VS	100	1	-46.821602451848	-24.202721862444	VS	250	1
-46.870626571768	-24.222225699803	VS	100	1	-46.82101679581	-24.202392538171	VS	250	1
-46.819350516178	-24.194621661875	VS	70	1	-46.82077673963	-24.202273179164	VS	250	1
-46.865310324303	-24.209090932216	VS	250	1	-46.820520476227	-24.202123378233	VS	250	1
-46.866458748198	-24.208288058708	VS	150	1	-46.819835340371	-24.201626431844	VS	250	1
-46.816746292119	-24.177230093867	VS	100	1	-46.819905864553	-24.20133104944	VS	250	1
-46.721907151607	-24.146673962643	VS	100	1	-46.820303149664	-24.200792955677	VS	70	1
-46.721833193226	-24.145528524693	VS	100	1	-46.792616707487	-24.184550195987	VS	250	1
-46.808555717104	-24.19076025129	VS	100	1	-46.792374789605	-24.184391915762	VS	250	1
-46.80831925501	-24.191988412542	VS	100	1	-46.792131639799	-24.184195770879	VS	250	1
-46.75245051062	-24.162356302924	VS	150	1	-46.821450630737	-24.201615935171	VS	250	1
-46.81684141113	-24.191514414523	VS	100	1	-46.821737402916	-24.200451442938	VS	70	1
-46.816914361024	-24.194848104231	VS	100	1	-46.795327926005	-24.164290183199	VS	70	1
-46.868050891793	-24.221907697436	VS	70	1	-46.795082415434	-24.16151413813	VS	70	1
-46.724541633349	-24.14822584878	VS	100	1	-46.791691090092	-24.164676418063	VS	70	1
-46.723916827783	-24.148655587473	VS	100	1	-46.761450783988	-24.169664505332	VS	100	1
-46.723632623197	-24.145799646864	VS	100	1	-46.761754771581	-24.169569478454	VS	100	1
-46.723494711797	-24.149098342695	VS	100	1	-46.761728990759	-24.169805257083	VS	100	1
-46.723315092896	-24.144371494636	VS	100	1	-46.761574903704	-24.169847271377	VS	100	1
-46.723295025484	-24.145629509238	VS	100	1	-46.761934720728	-24.169291579302	VS	100	1
-46.723052853503	-24.144566463271	VS	100	1	-46.76196790236	-24.169946266863	VS	100	1
-46.722682929366	-24.145303273313	VS	100	1	-46.762256313296	-24.170104764986	VS	100	1
-46.72241715433	-24.145167226716	VS	100	1	-46.762406960563	-24.170030378519	VS	100	1
-46.722471464237	-24.149828230855	VS	100	1	-46.762596213501	-24.169734697304	VS	100	1
-46.818402993846	-24.192738200788	VS	100	1	-46.762093014794	-24.168589228115	VS	100	1
-46.721752241086	-24.146730411468	VS	100	1	-46.762351451166	-24.168738831474	VS	100	1
-46.721636000442	-24.146113730535	VS	100	1	-46.76263964425	-24.168888406162	VS	100	1
-46.721512427133	-24.145336038436	VS	100	1	-46.76210505601	-24.169022671229	VS	100	1
-46.721457976286	-24.146576893704	VS	100	1	-46.762955778868	-24.169160919037	VS	100	1
-46.721422312883	-24.145669326329	VS	100	1	-46.763226135319	-24.169196445189	VS	100	1
-46.722138500546	-24.150384083963	VS	100	1	-46.76302629963	-24.169018416016	VS	100	1
-46.721950532447	-24.150215547764	VS	100	1	-46.762776047946	-24.169447742148	VS	100	1
-46.721788444489	-24.144218630102	VS	100	1	-46.763514301786	-24.169345999661	VS	100	1
-46.721813065322	-24.150214590017	VS	100	1	-46.761212295771	-24.169541330406	VS	100	1
-46.721581212647	-24.150075436777	VS	100	1	-46.760953757106	-24.169400467319	VS	100	1
-46.858214357049	-24.207380385561	VS	100	1	-46.760635580027	-24.169233195507	VS	100	1
-46.85775399162	-24.211897321063	VS	70	1	-46.868194642105	-24.228610710001	VS	100	1
-46.8465559345351	-24.156854551673	VS	70	1	-46.869726775855	-24.227509116328	VS	100	1
-46.843057806642	-24.169364926304	VS	100	6	-46.869437180153	-24.227716647124	VS	100	1
-46.838981218211	-24.16968287685	VS	100	1	-46.86919581569	-24.227888106318	VS	100	1
-46.721262853121	-24.149890327776	VS	100	1	-46.868954663928	-24.228068478998	VS	100	1
-46.720083827541	-24.143903660608	VS	100	1	-46.868703452927	-24.228240039294	VS	100	1
-46.822266912883	-24.188703020031	VS	100	1	-46.868462299556	-24.228420420009	VS	100	1
-46.822301948207	-24.188464561431	VS	100	1	-46.781503062135	-24.14661817774	VS	70	1
-46.71932500844	-24.145844159915	VS	100	1	-46.779556360335	-24.153745641917	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.719096047877	-24.146060267881	VS	100	1	-46.779320631662	-24.153069468377	VS	70	1
-46.718999133038	-24.146481432378	VS	100	1	-46.755397502527	-24.154991113469	VS	70	1
-46.71868074984	-24.146357757521	VS	100	1	-46.778977526219	-24.153789413109	VS	70	1
-46.718472172727	-24.145823837306	VS	100	1	-46.779247020391	-24.153606802633	VS	70	1
-46.71820158934	-24.14600418256	VS	100	1	-46.756214012929	-24.154070137678	VS	70	1
-46.832659434736	-24.152788223159	VS	70	1	-46.756098615495	-24.153866976072	VS	70	1
-46.830982313979	-24.155313114944	VS	70	1	-46.75589605706	-24.15418159089	VS	70	1
-46.828019488616	-24.152000304119	VS	70	1	-46.755918986357	-24.153920427837	VS	70	1
-46.823871389535	-24.158418434487	VS	70	1	-46.755736411724	-24.154447328856	VS	70	1
-46.826853165285	-24.176677688077	VS	100	1	-46.755563606301	-24.154724438069	VS	70	1
-46.827053922083	-24.176453074642	VS	100	1	-46.891669368179	-24.235247943581	VS	70	1
-46.824930087	-24.192285898881	VS	150	1	-46.891359083826	-24.235104784241	VS	70	1
-46.738162949916	-24.158486794075	VS	100	1	-46.891392309322	-24.235312097863	VS	70	1
-46.737715184547	-24.158401400747	VS	100	1	-46.891128889392	-24.235503419736	VS	70	1
-46.737058905869	-24.15805785633	VS	100	1	-46.783145961178	-24.163552537337	VS	70	1
-46.717922021213	-24.146220272543	VS	100	1	-46.783069984445	-24.16291356184	VS	70	1
-46.717695899373	-24.146404525875	VS	100	1	-46.782826580904	-24.162684592503	VS	70	1
-46.71766822929	-24.146290165187	VS	100	1	-46.89929049777	-24.223566183151	VS	70	1
-46.822047310764	-24.190356641738	VS	100	1	-46.744600404642	-24.161678375466	VS	70	1
-46.821731190171	-24.188991564322	VS	100	1	-46.910183745817	-24.237006623267	VS	70	1
-46.818941329885	-24.190217868848	VS	100	1	-46.90917180125	-24.234389519391	VS	70	1
-46.818298658786	-24.187795480094	VS	100	1	-46.908901891951	-24.234596966683	VS	70	1
-46.816177848214	-24.190363582408	VS	100	1	-46.908997775382	-24.234181058031	VS	70	1
-46.815217703657	-24.189805524511	VS	100	1	-46.908805682195	-24.233959540896	VS	70	1
-46.812835996166	-24.188711985028	VS	100	1	-46.908684527148	-24.233826682697	VS	70	1
-46.812243338466	-24.194375693482	VS	100	1	-46.910893819693	-24.232126661725	VS	70	1
-46.811279924567	-24.189971879431	VS	100	1	-46.868556633882	-24.216128856274	VS	70	1
-46.731919721131	-24.148647842252	VS	100	1	-46.780129915086	-24.177497988222	VS	100	1
-46.73188050815	-24.150661853107	VS	100	1	-46.783415191499	-24.180721837014	VS	250	1
-46.73171784029	-24.148408391198	VS	100	1	-46.783941691276	-24.180985545491	VS	250	1
-46.731640058331	-24.147503090986	VS	100	1	-46.784179990181	-24.181110505157	VS	250	1
-46.731514426377	-24.150775592491	VS	100	1	-46.783118833714	-24.180579508194	VS	250	1
-46.731505938781	-24.148160085597	VS	100	1	-46.782845984768	-24.181966310971	VS	250	1
-46.731342806184	-24.143852564671	VS	100	1	-46.782840404402	-24.180450252572	VS	250	1
-46.731314421232	-24.145756846241	VS	100	1	-46.783312609265	-24.182194716204	VS	250	1
-46.7313272123	-24.147713794902	VS	100	1	-46.78307427557	-24.18207168345	VS	250	1
-46.807605250548	-24.1935682431	VS	100	1	-46.782626780931	-24.181860468741	VS	250	1
-46.763901749659	-24.16382970432	VS	70	1	-46.889343911845	-24.235994104313	VS	100	1
-46.792230620067	-24.179831184076	VS	100	1	-46.783510426064	-24.162640986786	VS	70	1
-46.791572526855	-24.177085594456	VS	100	1	-46.868295848801	-24.216308164849	VS	70	1
-46.823265209666	-24.152070417696	VS	70	1	-46.865638845787	-24.217446741217	VS	70	1
-46.823025830139	-24.152313048822	VS	70	1	-46.866218854224	-24.212909421318	VS	70	1
-46.822795675827	-24.152537891323	VS	70	1	-46.865959558716	-24.212750798136	VS	70	1
-46.822556092007	-24.152780705241	VS	70	1	-46.935382118792	-24.201498367253	VS	70	1
-46.785213001737	-24.176426794704	VS	100	1	-46.922898291488	-24.210756574594	VS	70	1
-46.783168972285	-24.182858945903	VS	250	1	-46.922627818197	-24.210962190844	VS	70	1
-46.819455293487	-24.187291061445	VS	100	1	-46.922300898521	-24.21118798729	VS	70	1
-46.828185720221	-24.176819161515	VS	250	1	-46.922032550732	-24.211401810422	VS	70	1
-46.828399074018	-24.176679371944	VS	250	1	-46.78933586391	-24.181524882237	VS	100	1
-46.731445424405	-24.150438486673	VS	100	1	-46.78819663933	-24.181927116923	VS	150	1
-46.73103195456	-24.144066507251	VS	100	1	-46.787879365104	-24.181795649696	VS	150	1
-46.731148171592	-24.150293790946	VS	100	1	-46.787561015641	-24.181663728372	VS	250	1
-46.730821930793	-24.146099386933	VS	100	1	-46.787292542938	-24.181540480799	VS	150	1
-46.730697210448	-24.142959771981	VS	100	1	-46.787034780394	-24.181401481235	VS	150	1
-46.730859980507	-24.150144300076	VS	100	1	-46.786795498882	-24.181285360992	VS	150	1
-46.73056116807	-24.146279679772	VS	100	1	-46.786487603513	-24.18113597505	VS	150	1
-46.774714312189	-24.174001893284	VS	70	1	-46.786129588131	-24.180942349022	VS	150	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.774405561186	-24.174227198382	VS	70	1	-46.785871419471	-24.180819357478	VS	150	1
-46.775497806498	-24.173441433436	VS	70	1	-46.785576227744	-24.18064596112	VS	150	1
-46.775039822607	-24.17504028273	VS	100	1	-46.789656044423	-24.186743172085	VS	250	1
-46.761323410158	-24.167101368587	VS	100	1	-46.789943245994	-24.182066033891	VS	100	1
-46.777081827909	-24.177168027994	VS	100	1	-46.78805924318	-24.178964232419	VS	100	1
-46.766931879777	-24.165264598127	VS	100	1	-46.786996152606	-24.180236351627	VS	100	1
-46.78168642453	-24.1713043924	VS	100	1	-46.791807962678	-24.180991678029	VS	100	1
-46.781877848108	-24.171526100666	VS	70	1	-46.791741499058	-24.181506400133	VS	100	1
-46.781895932167	-24.171370196987	VS	70	1	-46.791644842869	-24.180790289851	VS	100	1
-46.794242524915	-24.17917794185	VS	100	1	-46.791464206712	-24.180985328358	VS	100	1
-46.766340282076	-24.159425205049	VS	100	1	-46.791407639694	-24.181494328329	VS	100	1
-46.764691708399	-24.164029132128	VS	100	1	-46.790075233874	-24.175038511806	VS	100	1
-46.764638474354	-24.165510544903	VS	100	1	-46.791346761641	-24.180640842083	VS	100	1
-46.763647658102	-24.161325931639	VS	100	1	-46.791256621006	-24.181413085182	VS	100	1
-46.762169154233	-24.162388372808	VS	100	1	-46.791249886167	-24.181937455539	VS	100	1
-46.761455330735	-24.166868427551	VS	100	1	-46.791243059119	-24.181672968907	VS	100	1
-46.784749909646	-24.168657168481	VS	100	1	-46.791078558441	-24.180509016471	VS	100	1
-46.784744026997	-24.168069079849	VS	70	1	-46.791081539352	-24.180970400696	VS	100	1
-46.784931044583	-24.16869789462	VS	100	1	-46.791083484328	-24.181487825443	VS	100	1
-46.785020177182	-24.168948178045	VS	100	1	-46.790795978842	-24.180954641588	VS	100	1
-46.785125533274	-24.169250778178	VS	100	1	-46.79073091299	-24.180342049695	VS	100	1
-46.721387726557	-24.146285098151	VS	100	1	-46.790729698667	-24.181472631591	VS	100	1
-46.721365533583	-24.145262621926	VS	100	1	-46.790462503488	-24.180201291795	VS	100	1
-46.721243081199	-24.146393149637	VS	100	1	-46.790471645968	-24.180939234055	VS	100	1
-46.816517039292	-24.191467782145	VS	100	1	-46.790444815591	-24.181465834093	VS	100	1
-46.816380715122	-24.190966622292	VS	100	1	-46.770460745459	-24.157592181708	VS	70	1
-46.721154105332	-24.147205639254	VS	100	1	-46.790447193577	-24.181794471035	VS	100	1
-46.910778143722	-24.244426736569	VS	100	1	-46.790284322732	-24.180396955681	VS	100	1
-46.909900360354	-24.232866551083	VS	70	1	-46.79014496836	-24.180052079253	VS	100	1
-46.909649429398	-24.233047082308	VS	70	1	-46.790164361915	-24.181457634917	VS	100	1
-46.909408323574	-24.23322752586	VS	70	1	-46.789735784901	-24.180200826788	VS	100	1
-46.767831395035	-24.157644097066	VS	70	1	-46.789751314402	-24.181835600405	VS	100	1
-46.840770618916	-24.170040383971	VS	70	1	-46.789694980986	-24.180549113487	VS	100	1
-46.841070890393	-24.170287641351	VS	70	1	-46.789651098703	-24.180886694399	VS	100	1
-46.750321054204	-24.163104461086	VS	100	1	-46.789558480394	-24.179753012909	VS	100	1
-46.819664772376	-24.150839985539	VS	70	1	-46.789539525885	-24.181596358949	VS	100	1
-46.763361424301	-24.164226242297	VS	70	1	-46.789418747149	-24.181345363208	VS	100	1
-46.763081245064	-24.1644156624	VS	70	1	-46.789279715997	-24.179585622634	VS	100	1
-46.762830512206	-24.164604855486	VS	70	1	-46.789319637045	-24.18103643651	VS	100	1
-46.762560140711	-24.164794195753	VS	70	1	-46.789172809536	-24.18079727897	VS	100	1
-46.762328601949	-24.164965413015	VS	70	1	-46.789101482094	-24.180400802378	VS	100	1
-46.827256140354	-24.188892880669	VS	250	1	-46.788996717346	-24.180124906224	VS	100	1
-46.732125336079	-24.145180043894	VS	100	1	-46.788971830492	-24.179436242143	VS	100	1
-46.72870721251	-24.147577622774	VS	100	1	-46.788891564288	-24.179831238228	VS	100	1
-46.727394905126	-24.149275991382	VS	100	1	-46.788828847328	-24.180782001072	VS	100	1
-46.722399349665	-24.146322601715	VS	100	1	-46.788785856464	-24.179511111603	VS	100	1
-46.721190675153	-24.145831487515	VS	100	1	-46.788791450442	-24.180299911878	VS	100	1
-46.719756646642	-24.147456322638	VS	100	1	-46.788569805684	-24.179232181236	VS	100	1
-46.719600726869	-24.144977193083	VS	100	1	-46.788465036591	-24.180757950778	VS	100	1
-46.762226673004	-24.165602925286	VS	100	1	-46.788404102156	-24.180285470265	VS	100	1
-46.910642891506	-24.232307194988	VS	70	1	-46.788228710946	-24.180057278236	VS	100	1
-46.784956963415	-24.169177267177	VS	100	1	-46.788114971264	-24.179808712569	VS	100	1
-46.784682275665	-24.169362112297	VS	100	1	-46.788021252531	-24.180270512047	VS	100	1
-46.785471692507	-24.170281133065	VS	100	1	-46.787981018827	-24.179550508622	VS	100	1
-46.785367866165	-24.169945126927	VS	100	1	-46.787887894411	-24.178864221035	VS	100	1
-46.785251588025	-24.169597812913	VS	100	1	-46.787856672026	-24.179274863484	VS	100	1
-46.785213121008	-24.170244520496	VS	100	1	-46.787713156343	-24.179017314362	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.783662972743	-24.169423044166	VS	100	1	-46.787716406972	-24.180254925876	VS	100	1
-46.782268047075	-24.170408070645	VS	100	1	-46.787640116934	-24.178839206118	VS	100	1
-46.867889611087	-24.226387803266	VS	100	1	-46.787570477075	-24.180035509507	VS	100	1
-46.718179792774	-24.144210835856	VS	100	1	-46.787436310405	-24.179759943909	VS	100	1
-46.717790171515	-24.142242101037	VS	100	1	-46.787400440558	-24.180237724008	VS	100	1
-46.765349162587	-24.162775217238	VS	70	1	-46.787291519448	-24.179448850601	VS	100	1
-46.867201560706	-24.217095313811	VS	100	1	-46.787168006248	-24.179208867433	VS	100	1
-46.866951598124	-24.217275166285	VS	100	1	-46.787085239095	-24.179031030687	VS	100	1
-46.870096952807	-24.226596278236	VS	70	1	-46.786965563102	-24.180097284321	VS	100	1
-46.870647624247	-24.226217089372	VS	70	1	-46.786831181113	-24.179812768732	VS	100	1
-46.767503333667	-24.15746806544	VS	70	1	-46.786696789821	-24.179528252828	VS	100	1
-46.907420513523	-24.230961681233	VS	100	1	-46.787679860053	-24.181644721779	VS	100	1
-46.820026557351	-24.1943061048	VS	70	1	-46.787565774436	-24.181395325676	VS	100	1
-46.865034718217	-24.209299397896	VS	250	1	-46.78744166259	-24.181128666327	VS	100	1
-46.865364624267	-24.208963628162	VS	70	1	-46.787317505057	-24.180861915507	VS	100	1
-46.86588088939	-24.208694712749	VS	250	1	-46.787864622478	-24.180717749866	VS	100	1
-46.866167170653	-24.208487103438	VS	250	1	-46.788219913998	-24.180740547045	VS	100	1
-46.866518975116	-24.208123614529	VS	70	1	-46.787532073302	-24.180711070402	VS	100	1
-46.877689049027	-24.224430149978	VS	100	1	-46.78719315003	-24.180586242587	VS	100	1
-46.767165455	-24.157292102951	VS	70	1	-46.787068474161	-24.180334082847	VS	100	1
-46.841321232109	-24.170490914977	VS	70	1	-46.789995931129	-24.181291719619	VS	100	1
-46.841571796116	-24.170703111346	VS	70	1	-46.791259247856	-24.181179414486	VS	100	1
-46.841812300639	-24.170906431208	VS	70	1	-46.787484615138	-24.182442378443	VS	250	1
-46.841325274143	-24.171087409578	VS	70	1	-46.78654833487	-24.181771544911	VS	150	1
-46.841066210742	-24.171339376829	VS	70	1	-46.786356810647	-24.182075915395	VS	150	1
-46.840797609897	-24.1715911551	VS	70	1	-46.786177655232	-24.182389652766	VS	150	1
-46.840539078799	-24.17186087057	VS	70	1	-46.786006882871	-24.182672301239	VS	150	1
-46.907680826524	-24.230763228661	VS	100	1	-46.769118699751	-24.158529937806	VS	70	1
-46.867690642111	-24.207297296921	VS	70	1	-46.785854926608	-24.182940423185	VS	150	1
-46.867929758347	-24.207573085565	VS	70	1	-46.785666633955	-24.183252500189	VS	150	1
-46.868260300662	-24.206887887259	VS	70	1	-46.746780452103	-24.158807202038	VS	100	1
-46.868044452882	-24.206626724758	VS	70	1	-46.741808041433	-24.157898760359	VS	100	1
-46.869371129313	-24.206101917622	VS	70	1	-46.740623167985	-24.158430577627	VS	100	1
-46.869160258858	-24.205844877018	VS	70	1	-46.740021623658	-24.15947498253	VS	100	1
-46.869984197384	-24.205680046474	VS	70	1	-46.740414746555	-24.158898435799	VS	100	1
-46.869616114614	-24.206384463155	VS	70	1	-46.738844046542	-24.157479756462	VS	100	1
-46.843992720682	-24.155326143494	VS	70	1	-46.747011925952	-24.158927793046	VS	100	1
-46.84390794957	-24.15503353573	VS	70	1	-46.746500943863	-24.159271751404	VS	100	1
-46.843821407194	-24.154738589509	VS	70	1	-46.7440534169	-24.157354694771	VS	100	1
-46.843677745328	-24.15492845499	VS	70	1	-46.743742086966	-24.157189396487	VS	100	1
-46.843356164671	-24.155009598661	VS	70	1	-46.743396850209	-24.157009879299	VS	100	1
-46.843008680736	-24.155069549888	VS	70	1	-46.743068617936	-24.156824877514	VS	100	1
-46.730799438029	-24.147326429055	VS	100	1	-46.742909132397	-24.156625911938	VS	100	1
-46.870917951567	-24.226027578894	VS	70	1	-46.742776394617	-24.156832315181	VS	100	1
-46.871197909722	-24.225829051607	VS	70	1	-46.743003710877	-24.156473562282	VS	100	1
-46.824729024982	-24.158635116872	VS	70	1	-46.742411308559	-24.156483959298	VS	100	1
-46.824489050622	-24.15886004337	VS	70	1	-46.742644036493	-24.157047392692	VS	100	1
-46.824268380018	-24.159085101942	VS	70	1	-46.742467544278	-24.157123895345	VS	100	1
-46.783913894734	-24.176842154275	VS	100	1	-46.742198911394	-24.15697895452	VS	100	1
-46.783655558694	-24.176710266693	VS	100	1	-46.742795118286	-24.157299711333	VS	100	1
-46.78335604503	-24.176551171996	VS	100	1	-46.743093282034	-24.157458161365	VS	100	1
-46.783007627975	-24.176401460489	VS	100	1	-46.743441142143	-24.157643026673	VS	100	1
-46.87022775133	-24.205966456304	VS	70	1	-46.743739278779	-24.157801456817	VS	100	1
-46.870460968014	-24.206239971254	VS	70	1	-46.743184728492	-24.15810335503	VS	100	1
-46.871488274169	-24.225630067016	VS	70	1	-46.742886563228	-24.157944904963	VS	100	1
-46.871753452696	-24.225435816564	VS	70	1	-46.742618253474	-24.157804075696	VS	100	1
-46.898844948881	-24.238795115477	VS	100	1	-46.741310475319	-24.156992231757	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.783409777129	-24.174250646779	VS	100	1	-46.7416227562	-24.156695638389	VS	100	1
-46.77418171187	-24.158774058972	VS	70	1	-46.741635642687	-24.156775658906	VS	100	1
-46.773979927313	-24.158543564105	VS	70	1	-46.741896368634	-24.156534663915	VS	100	1
-46.841418147955	-24.163993219538	VS	70	1	-46.741574138515	-24.156384130719	VS	100	1
-46.841178418742	-24.164227089226	VS	70	1	-46.742311792622	-24.15814373815	VS	100	1
-46.782129736451	-24.171800702318	VS	70	1	-46.74227364414	-24.158079689922	VS	100	1
-46.767337617984	-24.161350822008	VS	70	1	-46.741997898651	-24.157937921471	VS	100	1
-46.767134442745	-24.16149874669	VS	70	1	-46.741806495364	-24.157833184069	VS	100	1
-46.910402004307	-24.232496563801	VS	70	1	-46.742571613399	-24.158229228431	VS	100	1
-46.769308172657	-24.159935752414	VS	70	1	-46.742801780336	-24.159257218255	VS	100	1
-46.837159172776	-24.16962189982	VS	70	1	-46.778919289714	-24.156664035293	VS	70	1
-46.80917280051	-24.191400231449	VS	100	1	-46.742151246097	-24.159276779228	VS	100	1
-46.818659086766	-24.192771935511	VS	100	1	-46.741866394138	-24.159117725551	VS	100	1
-46.81891539957	-24.192814592677	VS	100	1	-46.741818671162	-24.158907954776	VS	100	1
-46.808658308996	-24.191197689741	VS	100	1	-46.741918959516	-24.158748571498	VS	100	1
-46.822431516412	-24.152906579013	VS	70	1	-46.742114803309	-24.158447144212	VS	100	1
-46.822230311646	-24.153087846387	VS	70	1	-46.741616209055	-24.158976391407	VS	100	1
-46.779692127271	-24.17391402755	VS	70	1	-46.741334996742	-24.158824650975	VS	100	1
-46.779933187499	-24.173733841922	VS	70	1	-46.741015425394	-24.158644818183	VS	100	1
-46.780232366919	-24.173517491084	VS	100	1	-46.740295152214	-24.158254483152	VS	100	1
-46.780521585297	-24.173301296196	VS	70	1	-46.740010432123	-24.158103435843	VS	100	1
-46.781293632051	-24.172742388026	VS	70	1	-46.739668967128	-24.157919941	VS	100	1
-46.879832584533	-24.222767939345	VS	70	1	-46.739390648752	-24.157770261798	VS	100	1
-46.87957204025	-24.22295741759	VS	70	1	-46.741618716067	-24.159224547682	VS	100	1
-46.840169632386	-24.167892866833	VS	100	1	-46.741403916708	-24.159555528415	VS	100	1
-46.7776736576189	-24.165784012773	VS	100	1	-46.740935127357	-24.159493194467	VS	100	1
-46.776831009115	-24.165941782883	VS	100	1	-46.74059759579	-24.159307088529	VS	100	1
-46.777788018369	-24.178100646271	VS	100	1	-46.74025452052	-24.159118708262	VS	100	1
-46.838568395753	-24.166629433697	VS	100	1	-46.73991583313	-24.159250740224	VS	100	1
-46.839408114367	-24.167247618683	VS	100	1	-46.739603113328	-24.159468260582	VS	100	1
-46.839137632568	-24.167026589678	VS	100	1	-46.740112294314	-24.159106553028	VS	100	1
-46.83832787559	-24.166426082576	VS	100	1	-46.740678985463	-24.158718720483	VS	100	1
-46.83758646905	-24.165807253158	VS	100	1	-46.74090130505	-24.158564806409	VS	100	1
-46.837035371913	-24.165347511349	VS	100	1	-46.741229170005	-24.158322192765	VS	100	1
-46.83619368742	-24.164640236557	VS	100	1	-46.741509064917	-24.158123954115	VS	100	1
-46.835943162499	-24.164428070585	VS	100	1	-46.741331132141	-24.158170105099	VS	100	1
-46.777598617683	-24.178011357009	VS	100	1	-46.741448409864	-24.157630548399	VS	100	1
-46.811742866142	-24.188959925208	VS	100	1	-46.741130621777	-24.157472240725	VS	100	1
-46.811638157937	-24.189336217495	VS	100	1	-46.740782561572	-24.157278448685	VS	100	1
-46.811303039252	-24.189134655552	VS	100	1	-46.740484401819	-24.157119994571	VS	100	1
-46.811518842416	-24.188494216238	VS	100	1	-46.740048915654	-24.157483387093	VS	100	1
-46.811835593474	-24.18802260148	VS	100	1	-46.740367121274	-24.157659541045	VS	100	1
-46.891862110184	-24.239293982388	VS	100	1	-46.740625404846	-24.157791519942	VS	100	1
-46.892308152275	-24.239785748462	VS	100	1	-46.741218287696	-24.158107889625	VS	100	1
-46.891302202203	-24.237903994127	VS	100	1	-46.740297387234	-24.158771894646	VS	100	1
-46.890780826553	-24.238287243402	VS	100	1	-46.740019056425	-24.158622215972	VS	100	1
-46.891108061412	-24.237809110962	VS	100	1	-46.739774094472	-24.158488498978	VS	100	1
-46.890876280101	-24.237552805788	VS	100	1	-46.739482247837	-24.15833163474	VS	100	1
-46.8906944728	-24.237349029646	VS	100	1	-46.739143000133	-24.158153276425	VS	100	1
-46.890566062422	-24.238117568796	VS	100	1	-46.738955454727	-24.158049905726	VS	100	1
-46.89032379852	-24.237851827559	VS	100	1	-46.739889213767	-24.15904585987	VS	100	1
-46.890462227405	-24.237208997443	VS	100	1	-46.739541514552	-24.158864218563	VS	100	1
-46.890193794179	-24.237077309208	VS	100	1	-46.739403324317	-24.158792421556	VS	100	1
-46.895263993997	-24.244303164696	VS	100	1	-46.739037408622	-24.158597215322	VS	100	1
-46.895456916647	-24.244158828972	VS	100	1	-46.739414439522	-24.159308007544	VS	100	1
-46.894354721479	-24.230351900966	VS	100	1	-46.739917909909	-24.156820687782	VS	100	1
-46.895177693569	-24.230841080519	VS	100	1	-46.739659414583	-24.156679785813	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.88832669379	-24.236752884263	VS	100	1	-46.73937323139	-24.156526470033	VS	100	1
-46.885102758436	-24.235691560532	VS	100	1	-46.739033248441	-24.156345242568	VS	100	1
-46.884940646372	-24.23505250078	VS	100	1	-46.739868764203	-24.157268965293	VS	100	1
-46.885822333625	-24.230441028766	VS	100	1	-46.73979292113	-24.157323658861	VS	100	1
-46.880900756846	-24.239180419301	VS	100	1	-46.739701110314	-24.157298543148	VS	100	1
-46.880621408154	-24.239004184083	VS	100	1	-46.7397447782	-24.157357003441	VS	100	1
-46.880332059003	-24.238819138704	VS	100	1	-46.739353267399	-24.15711367943	VS	100	1
-46.900745848203	-24.233521538234	VS	100	1	-46.739084759541	-24.156963922742	VS	100	1
-46.901064502667	-24.233697409601	VS	100	1	-46.738819092148	-24.156830716241	VS	100	1
-46.901303638432	-24.233846962135	VS	100	1	-46.739416981384	-24.157591664167	VS	100	1
-46.901552663875	-24.233987710379	VS	100	1	-46.739132386174	-24.157638290539	VS	100	1
-46.899177873541	-24.233109625786	VS	100	1	-46.739104690834	-24.157822105925	VS	100	1
-46.898930639647	-24.232825883389	VS	100	1	-46.738771908047	-24.158051802252	VS	100	1
-46.902359325835	-24.230272892141	VS	100	1	-46.738738771095	-24.157945521208	VS	100	1
-46.902621687243	-24.230556306752	VS	100	1	-46.740391307265	-24.1566064608	VS	100	1
-46.900910790961	-24.230481074002	VS	100	1	-46.740102967494	-24.156447938212	VS	100	1
-46.901163089506	-24.230755626615	VS	100	1	-46.739804810869	-24.15628947413	VS	100	1
-46.901619072716	-24.23124324311	VS	100	1	-46.739506440275	-24.156122096341	VS	100	1
-46.901853864115	-24.231523562235	VS	100	1	-46.741134655382	-24.156395895322	VS	100	1
-46.909043329634	-24.229934447063	VS	100	1	-46.741433817027	-24.156188674806	VS	100	1
-46.909271746887	-24.230174487485	VS	100	1	-46.741206222407	-24.156190352701	VS	100	1
-46.909492706158	-24.230423614078	VS	100	1	-46.74094795085	-24.156058375412	VS	100	1
-46.906866488748	-24.229608799376	VS	100	1	-46.740679647411	-24.155917543541	VS	100	1
-46.90575218556	-24.231235771986	VS	100	1	-46.744221054537	-24.15701269062	VS	100	1
-46.90549959339	-24.230952219393	VS	100	1	-46.74402390318	-24.157217565677	VS	100	1
-46.905216389129	-24.230641792658	VS	100	1	-46.743913081779	-24.156854311245	VS	100	1
-46.905016207398	-24.229526298752	VS	100	1	-46.743644772386	-24.156713492944	VS	100	1
-46.902081074581	-24.234304648281	VS	100	1	-46.743406328036	-24.156590295631	VS	70	1
-46.901788008332	-24.234138395282	VS	100	1	-46.743098347675	-24.156431914604	VS	70	1
-46.880494251537	-24.238126755034	VS	100	1	-46.742859933325	-24.156308735413	VS	100	1
-46.880256701046	-24.23797932414	VS	100	1	-46.743870939717	-24.157457582312	VS	100	1
-46.911812194519	-24.240455304092	VS	100	1	-46.743567596283	-24.157914787926	VS	70	1
-46.875510784752	-24.21859107183	VS	100	1	-46.854498623483	-24.1654891256	VS	70	1
-46.83837586675	-24.159894058555	VS	100	1	-46.85411275507	-24.165768800398	VS	70	1
-46.838899746842	-24.160330545636	VS	100	1	-46.853890635392	-24.165928174412	VS	70	1
-46.839117126544	-24.160521469422	VS	100	1	-46.853678574695	-24.166086442447	VS	70	1
-46.839387796099	-24.16074270054	VS	100	1	-46.855064538664	-24.1661644688	VS	70	1
-46.839648371079	-24.16096373666	VS	100	1	-46.85479230258	-24.166359022993	VS	70	1
-46.839908946971	-24.161184772451	VS	100	1	-46.851031817515	-24.164414379229	VS	70	1
-46.840159704159	-24.161405891326	VS	100	1	-46.876440866868	-24.216100900753	VS	70	1
-46.852997442075	-24.220101233431	VS	100	1	-46.876958363784	-24.215738066507	VS	70	1
-46.852804520725	-24.220245513884	VS	100	1	-46.742383596091	-24.159408427284	VS	100	1
-46.852601774964	-24.220389868627	VS	100	1	-46.740844855826	-24.156594262366	VS	100	1
-46.852389415134	-24.22053417713	VS	100	1	-46.739156164551	-24.159176026628	VS	100	1
-46.852186668481	-24.22067853119	VS	100	1	-46.73889746106	-24.159026209907	VS	100	1
-46.852871179578	-24.220967729902	VS	100	1	-46.784563550603	-24.182732151372	VS	150	1
-46.853131751662	-24.220778302294	VS	100	1	-46.784908929061	-24.182123093722	VS	150	1
-46.853483327546	-24.220529306656	VS	100	1	-46.784380761286	-24.183037292537	VS	150	1
-46.853633880807	-24.220426390315	VS	100	1	-46.784211077963	-24.183332987324	VS	150	1
-46.853865432044	-24.220255040645	VS	100	1	-46.783852689599	-24.183951301957	VS	150	1
-46.85399311291	-24.220122837407	VS	100	1	-46.785319009129	-24.183850362937	VS	150	1
-46.854075575931	-24.220110489074	VS	100	1	-46.7851395883	-24.184146014582	VS	150	1
-46.853756061108	-24.22008009637	VS	100	1	-46.784960934041	-24.184477470615	VS	150	1
-46.85350982879	-24.220014390493	VS	100	1	-46.740244898285	-24.155268960492	VS	250	1
-46.853266586563	-24.219922669368	VS	400	1	-46.738460331744	-24.156498747682	VS	100	1
-46.852346070557	-24.220853837259	VS	100	1	-46.740041494617	-24.155395482536	VS	250	1
-46.852627225783	-24.221052174488	VS	100	1	-46.739717245925	-24.155626448312	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.852925388926	-24.221261163625	VS	100	1	-46.739481348332	-24.155783136652	VS	250	1
-46.851825126634	-24.220494337189	VS	100	1	-46.739134533859	-24.156044104028	VS	100	1
-46.852068649146	-24.220659532557	VS	100	1	-46.738212730933	-24.15666631235	VS	100	1
-46.852002501362	-24.220796262054	VS	100	1	-46.737988111892	-24.156864604006	VS	100	1
-46.851564517034	-24.220307955911	VS	100	1	-46.737638050883	-24.157098619587	VS	100	1
-46.85179302246	-24.220235398572	VS	100	1	-46.737252675313	-24.157363379933	VS	100	1
-46.851341025186	-24.220151763736	VS	100	1	-46.737085416341	-24.157500167739	VS	100	1
-46.851157647948	-24.220014896886	VS	100	1	-46.736826984456	-24.157684564777	VS	100	1
-46.850905615212	-24.219841786209	VS	100	1	-46.736653429899	-24.157810609756	VS	100	1
-46.819933148194	-24.177857070381	VS	70	1	-46.785521636525	-24.181056883694	VS	150	1
-46.819653592138	-24.177662914904	VS	70	1	-46.78538056001	-24.181316678499	VS	150	1
-46.819383857614	-24.177468677124	VS	70	1	-46.786017468757	-24.1796215209	VS	250	1
-46.819124364325	-24.177292211294	VS	70	1	-46.785856702767	-24.179886027492	VS	250	1
-46.820014328419	-24.178053982458	VS	70	1	-46.785686602545	-24.180163889152	VS	250	1
-46.79427966243	-24.159854922594	VS	100	1	-46.785497048435	-24.180460090808	VS	250	1
-46.794522035192	-24.160138644915	VS	100	1	-46.785372531181	-24.180622559474	VS	250	1
-46.793992719168	-24.159802135516	VS	100	1	-46.785340061105	-24.180803228362	VS	250	1
-46.897543918631	-24.241862466302	VS	100	1	-46.785248225562	-24.181531798779	VS	150	1
-46.725656578234	-24.15048383219	VS	100	1	-46.785146015302	-24.180952745092	VS	250	1
-46.72586912341	-24.150339583126	VS	100	1	-46.785135515097	-24.181085770071	VS	250	1
-46.726062043308	-24.150195468251	VS	100	1	-46.7850143234	-24.181194632666	VS	250	1
-46.807822974263	-24.195111392063	VS	100	1	-46.881457410087	-24.23256142417	VS	100	1
-46.715854570497	-24.141722053924	VS	100	1	-46.784994012806	-24.1813277195	VS	250	1
-46.715575898643	-24.141579936686	VS	100	1	-46.788435898986	-24.178352323659	VS	100	1
-46.715915121568	-24.141529478373	VS	100	1	-46.785533032687	-24.178542013714	VS	100	1
-46.716167797079	-24.141348263379	VS	100	1	-46.78531670333	-24.178772731946	VS	100	1
-46.716399767149	-24.141186335358	VS	100	1	-46.790076523637	-24.179315724517	VS	100	1
-46.716661555449	-24.141007259746	VS	100	1	-46.790044533857	-24.178705733546	VS	100	1
-46.716915967322	-24.140834593435	VS	100	1	-46.789788669164	-24.179175230287	VS	100	1
-46.71718438763	-24.140626313513	VS	100	1	-46.810482388769	-24.193698123973	VS	250	1
-46.717373198077	-24.140661893418	VS	70	1	-46.810187786283	-24.193579457748	VS	250	1
-46.717717675547	-24.141035294496	VS	70	1	-46.810358546762	-24.193878214823	VS	250	1
-46.717896066538	-24.141229159034	VS	70	1	-46.810518144633	-24.193791584996	VS	250	1
-46.717858610721	-24.141385070714	VS	100	1	-46.789756063251	-24.178564888778	VS	100	1
-46.717549543104	-24.141601413923	VS	100	1	-46.789510337104	-24.179034476084	VS	100	1
-46.717269409816	-24.1418088332	VS	100	1	-46.789477838094	-24.178424209743	VS	100	1
-46.716971424957	-24.14200801499	VS	100	1	-46.789401172471	-24.178140481157	VS	100	1
-46.71691533343	-24.142275398628	VS	100	1	-46.789316699261	-24.178711682867	VS	100	1
-46.716627725695	-24.142126018033	VS	100	1	-46.789309651418	-24.17882772828	VS	100	1
-46.718109702677	-24.141213841593	VS	100	1	-46.789289247321	-24.17832759972	VS	100	1
-46.718360488492	-24.141024681076	VS	100	1	-46.789182463285	-24.178867449283	VS	100	1
-46.718631059704	-24.140844342958	VS	100	1	-46.788864551484	-24.178709217389	VS	100	1
-46.718865883666	-24.140669202414	VS	100	1	-46.788494883127	-24.178508395851	VS	100	1
-46.718278713685	-24.140463194888	VS	100	1	-46.868234682317	-24.229165032839	VS	100	1
-46.718008346282	-24.140652454212	VS	100	1	-46.788306620526	-24.178382997388	VS	100	1
-46.717747794627	-24.140841646238	VS	100	1	-46.788107761368	-24.178277410662	VS	100	1
-46.717673287489	-24.140277362199	VS	100	1	-46.787919441995	-24.178180959844	VS	100	1
-46.717451353451	-24.140439511502	VS	100	1	-46.785898864496	-24.178511562964	VS	100	1
-46.718008480484	-24.140026070173	VS	100	1	-46.785767110369	-24.179647748967	VS	100	1
-46.909243497859	-24.247133676142	VS	100	1	-46.785685600796	-24.178235690709	VS	100	1
-46.818706330771	-24.161953310148	VS	100	1	-46.78550675929	-24.178471946123	VS	100	1
-46.746384887175	-24.158422481878	VS	100	1	-46.7854710807	-24.179494822291	VS	100	1
-46.769553829156	-24.17070575009	VS	100	1	-46.881412117852	-24.232769585651	VS	100	1
-46.772111625295	-24.171388118977	VS	100	1	-46.785344245209	-24.18054644964	VS	150	1
-46.7724034382	-24.171553068009	VS	100	1	-46.785140878525	-24.179322259162	VS	100	1
-46.772801099762	-24.171728393633	VS	100	1	-46.881138644884	-24.232778096687	VS	100	1
-46.772388561449	-24.1717561651	VS	100	1	-46.88082963395	-24.232994726255	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.77218181689	-24.171905528836	VS	100	1	-46.784985216988	-24.179302288096	VS	100	1
-46.77309482647	-24.171904195404	VS	100	1	-46.784956328152	-24.180335187818	VS	100	1
-46.772910078591	-24.172158905773	VS	100	1	-46.784815406016	-24.179588956035	VS	100	1
-46.772688539962	-24.172388224907	VS	100	1	-46.881631376676	-24.232901632	VS	100	1
-46.772479526672	-24.172629260189	VS	100	1	-46.784626036765	-24.179884891128	VS	100	1
-46.772269306185	-24.172871713084	VS	100	1	-46.784618155913	-24.180150339609	VS	100	1
-46.772097359854	-24.173096638333	VS	100	1	-46.784533947793	-24.179490814142	VS	100	1
-46.77193558619	-24.173311964711	VS	100	1	-46.784290129124	-24.179974381792	VS	100	1
-46.770513749504	-24.169869327451	VS	100	1	-46.784235880244	-24.179341344942	VS	100	1
-46.899335766971	-24.242026371157	VS	100	1	-46.784007375345	-24.17922705214	VS	100	1
-46.897398868485	-24.240757130965	VS	100	1	-46.784001881083	-24.179824841428	VS	100	1
-46.897227086631	-24.240562206612	VS	100	1	-46.78397667105	-24.178856286085	VS	100	1
-46.774869698396	-24.171908675381	VS	100	1	-46.783825349479	-24.179098314102	VS	100	1
-46.774587413489	-24.171771727314	VS	100	1	-46.783723444127	-24.179675229777	VS	100	1
-46.77432507098	-24.171656447013	VS	100	1	-46.78370220329	-24.179286595273	VS	100	1
-46.774056340584	-24.171531360261	VS	100	1	-46.783541277776	-24.179537615992	VS	100	1
-46.773733718913	-24.171431923179	VS	100	1	-46.78343528849	-24.179516954795	VS	100	1
-46.773470532407	-24.171313976536	VS	100	1	-46.738010520002	-24.158950994899	VS	100	1
-46.897014916594	-24.240322993064	VS	100	1	-46.737129894752	-24.155909026038	VS	100	1
-46.897136051852	-24.243257665905	VS	100	1	-46.736468795028	-24.156390252552	VS	100	1
-46.896913773564	-24.243000876025	VS	100	1	-46.735709183156	-24.156731341208	VS	100	1
-46.896721907785	-24.242788267969	VS	100	1	-46.734892171201	-24.157196952082	VS	100	1
-46.896520029697	-24.242566859632	VS	100	1	-46.7401827234	-24.155653450564	VS	100	1
-46.896338206412	-24.242363088203	VS	100	1	-46.741710899031	-24.154160921035	VS	100	1
-46.723411526509	-24.149310174355	VS	100	1	-46.740530246277	-24.153640013041	VS	100	1
-46.723689804563	-24.149459877783	VS	100	1	-46.737794476318	-24.15876616455	VS	100	1
-46.891361284904	-24.242928947238	VS	100	1	-46.738002645462	-24.158549427558	VS	100	1
-46.891128507778	-24.242671244048	VS	100	1	-46.737929357918	-24.158658139599	VS	100	1
-46.891353125823	-24.242060994897	VS	100	1	-46.73748506198	-24.158635066804	VS	100	1
-46.891615675845	-24.242353314781	VS	100	1	-46.737228297964	-24.15847666511	VS	100	1
-46.89186524876	-24.241717663603	VS	100	1	-46.738301141115	-24.158709284352	VS	100	1
-46.892087629883	-24.241965959821	VS	100	1	-46.738619141627	-24.158876529096	VS	100	1
-46.774625995669	-24.170084299274	VS	100	1	-46.738468933778	-24.158271486299	VS	100	1
-46.774266948602	-24.169921392216	VS	100	1	-46.738353318065	-24.158232685391	VS	100	1
-46.77412057403	-24.169958161301	VS	100	1	-46.73869657042	-24.158412022909	VS	100	1
-46.773840751263	-24.170150162983	VS	100	1	-46.738000291207	-24.158049476522	VS	100	1
-46.773547226526	-24.170356839819	VS	100	1	-46.737669512808	-24.157869747483	VS	100	1
-46.7746867095	-24.16951404845	VS	100	1	-46.737215729984	-24.157628515961	VS	100	1
-46.774407019146	-24.169712221775	VS	100	1	-46.736878029403	-24.15829121398	VS	100	1
-46.773949624159	-24.169730269523	VS	100	1	-46.736580087849	-24.158141674764	VS	100	1
-46.773618848295	-24.169582039	VS	100	1	-46.736291946047	-24.157992048776	VS	100	1
-46.773741918498	-24.169414004587	VS	100	1	-46.736033463397	-24.157851141152	VS	100	1
-46.774012070825	-24.169215721049	VS	100	1	-46.73572958137	-24.157349979011	VS	100	1
-46.773335158725	-24.16943186039	VS	100	1	-46.738400492185	-24.157762617755	VS	100	1
-46.773005113597	-24.169268078937	VS	100	1	-46.738065773322	-24.157584970077	VS	100	1
-46.77274847104	-24.16932308922	VS	100	1	-46.737949915167	-24.157523335199	VS	100	1
-46.772159813427	-24.169736645802	VS	100	1	-46.737623794821	-24.157345692904	VS	100	1
-46.77319098077	-24.169783994092	VS	100	1	-46.737922455874	-24.156983194215	VS	100	1
-46.773472574595	-24.169594008207	VS	100	1	-46.738292501492	-24.157186983478	VS	100	1
-46.772862951421	-24.17000922149	VS	100	1	-46.738636788193	-24.157373255555	VS	100	1
-46.772554052016	-24.170225566901	VS	100	1	-46.738528323777	-24.156673484187	VS	100	1
-46.772235020484	-24.17044219818	VS	100	1	-46.738791972981	-24.156280514323	VS	100	1
-46.77213492309	-24.170681100885	VS	100	1	-46.738754943941	-24.156195563033	VS	100	1
-46.772452383298	-24.17083679961	VS	100	1	-46.738407095973	-24.156010688456	VS	100	1
-46.752230447322	-24.166949184556	VS	100	1	-46.738099124755	-24.155852298338	VS	100	1
-46.751576565423	-24.164266962881	VS	100	1	-46.73781079039	-24.155693763011	VS	100	1
-46.749220823536	-24.162952800286	VS	100	1	-46.737506686787	-24.15565376192	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.751917726211	-24.166752784233	VS	100	1	-46.73749316882	-24.155544342536	VS	100	1
-46.751900203287	-24.166669848668	VS	100	1	-46.737155640996	-24.155386079203	VS	100	1
-46.752042163679	-24.166445762526	VS	100	1	-46.737072052904	-24.155256433516	VS	100	1
-46.752241152429	-24.165805795726	VS	100	1	-46.736837446352	-24.15520991088	VS	100	1
-46.751903074472	-24.165620886232	VS	100	1	-46.736539472777	-24.155060353433	VS	100	1
-46.75155475849	-24.165418191364	VS	100	1	-46.736231348143	-24.154884267554	VS	100	1
-46.751167220559	-24.165683152524	VS	100	1	-46.737302826331	-24.155780636754	VS	100	1
-46.750972812125	-24.165996001129	VS	100	1	-46.737316246764	-24.156039880048	VS	100	1
-46.750770213964	-24.166310135417	VS	100	1	-46.737613835852	-24.156180410165	VS	100	1
-46.751393980204	-24.165333124835	VS	100	1	-46.737911989119	-24.15633886913	VS	100	1
-46.751326487171	-24.165303960707	VS	100	1	-46.738229983604	-24.156506113835	VS	100	1
-46.751533140691	-24.16512203342	VS	100	1	-46.780396383701	-24.176300173855	VS	100	1
-46.751703283515	-24.164844217119	VS	100	1	-46.838451764287	-24.163333201741	VS	100	1
-46.751864846664	-24.164972597564	VS	100	1	-46.838157944097	-24.16309306914	VS	100	1
-46.751899488885	-24.164530696054	VS	100	1	-46.819383898944	-24.200081521696	VS	70	1
-46.752166630261	-24.164595171755	VS	100	1	-46.72004623569	-24.147249084263	VS	100	1
-46.752236824369	-24.164011474404	VS	100	1	-46.720362807222	-24.14717656988	VS	100	1
-46.752069903754	-24.164268041789	VS	100	1	-46.905142136936	-24.247326776672	VS	100	1
-46.849401276257	-24.212237216035	VS	100	1	-46.721773525935	-24.134072824004	VS	100	1
-46.849232451933	-24.212042464646	VS	100	1	-46.717399369156	-24.137087601545	VS	100	1
-46.849910187809	-24.212656728437	VS	100	1	-46.713207186394	-24.141443906135	VS	100	1
-46.849674732611	-24.212816029	VS	100	1	-46.713005553191	-24.141598072776	VS	100	1
-46.849494553062	-24.212954802335	VS	100	1	-46.781283488626	-24.157131801914	VS	70	1
-46.849760257455	-24.212640707787	VS	100	1	-46.816175555668	-24.181845565871	VS	100	1
-46.849355124289	-24.212938400706	VS	100	1	-46.822608880497	-24.157357281582	VS	70	1
-46.752441589839	-24.16367884387	VS	100	1	-46.822110056362	-24.189869038088	VS	100	1
-46.751305139948	-24.164126032576	VS	100	1	-46.872505065935	-24.22947701306	VS	100	1
-46.75108957517	-24.164002942546	VS	100	1	-46.871742128479	-24.228394378044	VS	100	1
-46.750919598369	-24.164073595963	VS	100	1	-46.858945377597	-24.215914177455	VS	70	1
-46.750739522671	-24.164351657028	VS	100	1	-46.858462695158	-24.216257047089	VS	70	1
-46.750559559787	-24.164629549641	VS	100	1	-46.723365584415	-24.136831782712	VS	70	1
-46.750218592562	-24.165158474072	VS	100	1	-46.721546545009	-24.13878068956	VS	70	1
-46.750058162932	-24.165427147248	VS	100	1	-46.865813393119	-24.213856934213	VS	70	1
-46.749650925172	-24.164353775155	VS	100	1	-46.768044956476	-24.173732557966	VS	100	1
-46.749326809323	-24.164176246457	VS	100	1	-46.843596293875	-24.211663743496	VS	70	1
-46.749785677934	-24.163908484692	VS	100	1	-46.896630149258	-24.233940886577	VS	100	1
-46.749623059398	-24.164151934213	VS	100	1	-46.892422642494	-24.233895468815	VS	70	1
-46.748730091324	-24.163841566994	VS	100	1	-46.776039367553	-24.157115253799	VS	70	1
-46.74851896283	-24.163832201368	VS	100	1	-46.874805600707	-24.206659863313	VS	70	1
-46.748411905795	-24.163665446318	VS	100	1	-46.86801284563	-24.214825190507	VS	70	1
-46.748689109171	-24.163554398087	VS	100	1	-46.79054666256	-24.185833695983	VS	250	1
-46.748869073559	-24.163276517023	VS	100	1	-46.777240250004	-24.145964582478	VS	70	1
-46.74902668979	-24.163044053781	VS	100	1	-46.820891260457	-24.189794599241	VS	100	1
-46.749190924909	-24.162774649363	VS	100	1	-46.868297805471	-24.218816271351	VS	100	1
-46.748995334702	-24.162834569491	VS	100	1	-46.869484705348	-24.227069923788	VS	70	1
-46.748752319315	-24.162699368823	VS	100	1	-46.84247269788	-24.211296056488	VS	70	1
-46.74860511453	-24.162614056775	VS	100	1	-46.840552997364	-24.209253629367	VS	70	1
-46.748590900605	-24.162716436261	VS	100	1	-46.766286093976	-24.170291855864	VS	100	1
-46.748761465817	-24.162456458959	VS	100	1	-46.840081510764	-24.203816021557	VS	70	1
-46.843958774025	-24.214992316112	VS	70	1	-46.753253634214	-24.164536590305	VS	100	1
-46.749508179683	-24.163113354407	VS	100	1	-46.75111927435	-24.16519386948	VS	100	1
-46.749697373672	-24.163227975019	VS	100	1	-46.752008308084	-24.16237053644	VS	250	1
-46.750125364892	-24.162243241372	VS	100	1	-46.888354449216	-24.212127916568	VS	100	1
-46.749380471003	-24.162478580233	VS	100	1	-46.771580198625	-24.170134538208	VS	100	1
-46.749550613046	-24.162200784449	VS	100	1	-46.859512129327	-24.210651284904	VS	70	1
-46.771447164404	-24.170237534363	VS	100	1	-46.777433808241	-24.173070832768	VS	100	1
-46.74993405253	-24.16335490163	VS	100	1	-46.717717723354	-24.145670100273	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.75041038625	-24.162404567012	VS	100	1	-46.83284567618	-24.193144995747	VS	100	1
-46.751082756953	-24.163819413372	VS	100	1	-46.858207818173	-24.213241649789	VS	100	1
-46.750522747812	-24.163685917657	VS	100	1	-46.929917802073	-24.205555979819	VS	100	1
-46.750234339414	-24.163527382334	VS	100	1	-46.8636152462	-24.218656941164	VS	100	1
-46.753673951586	-24.162467353175	VS	100	1	-46.730932969861	-24.12300180754	VS	100	1
-46.752802010787	-24.162789240507	VS	250	1	-46.871606728443	-24.211097757195	VS	100	1
-46.755165104404	-24.163268430536	VS	100	1	-46.840619695917	-24.197739839387	VS	70	1
-46.755930452689	-24.163673302055	VS	100	1	-46.816675899722	-24.189616120525	VS	100	1
-46.756178939331	-24.163805326991	VS	100	1	-46.783807025604	-24.175772695945	VS	100	1
-46.753059077614	-24.162135961606	VS	70	1	-46.813582412393	-24.186966873921	VS	100	1
-46.75281102315	-24.162000590531	VS	70	1	-46.781130927778	-24.176246876082	VS	100	1
-46.752639904821	-24.161903841712	VS	70	1	-46.815385064819	-24.191982128475	VS	100	1
-46.751126139177	-24.162328578875	VS	100	1	-46.747168435748	-24.161914837532	VS	100	1
-46.753987046007	-24.162010026845	VS	100	1	-46.793943198247	-24.160436428327	VS	70	1
-46.756669305339	-24.163431063482	VS	100	1	-46.781492973115	-24.114568338527	VS	100	1
-46.756470689953	-24.163471390638	VS	100	1	-46.760578222844	-24.16056128078	VS	100	1
-46.756948780749	-24.163576554447	VS	100	1	-46.752392375758	-24.159318117453	VS	100	1
-46.757251605926	-24.163739500514	VS	100	1	-46.777363010384	-24.162569856448	VS	70	1
-46.756300137599	-24.163731369552	VS	100	1	-46.896360371312	-24.234139134068	VS	100	1
-46.756352835209	-24.163277554055	VS	100	1	-46.755357974205	-24.154083365713	VS	100	1
-46.756034795379	-24.16311034178	VS	100	1	-46.765539439002	-24.168644162987	VS	100	1
-46.755696971244	-24.162934382381	VS	100	1	-46.898021629576	-24.23266730006	VS	100	1
-46.75539866712	-24.16276707893	VS	100	1	-46.880261731961	-24.219601453393	VS	100	1
-46.755070821279	-24.162599934156	VS	100	1	-46.829482637151	-24.162322828584	VS	100	1
-46.754792461116	-24.162450279058	VS	100	1	-46.814878882075	-24.191416428647	VS	100	1
-46.754493966435	-24.162282869589	VS	100	1	-46.770135696259	-24.167602635492	VS	100	1
-46.754267505321	-24.162165367425	VS	100	1	-46.852945836932	-24.20642441035	VS	70	1
-46.755402452967	-24.163122206623	VS	100	1	-46.767230151681	-24.159192138675	VS	70	1
-46.755662219985	-24.163532549304	VS	100	1	-46.811553780101	-24.186524112743	VS	100	1
-46.755403700056	-24.163391679215	VS	100	1	-46.766885231895	-24.158415656878	VS	100	1
-46.755213165925	-24.163417931332	VS	100	1	-46.766580800927	-24.158261665006	VS	100	1
-46.755014264354	-24.163722664638	VS	100	1	-46.80976914668	-24.19188329345	VS	100	1
-46.754817002993	-24.163074674637	VS	100	1	-46.713180084782	-24.140843641852	VS	250	2
-46.754449275376	-24.16288105604	VS	100	1	-46.814407842027	-24.193259623177	VS	100	1
-46.754314107501	-24.162887276604	VS	100	1	-46.792748206267	-24.177950965998	VS	100	1
-46.754513080665	-24.162582456085	VS	100	1	-46.826249961585	-24.182114098599	VS	100	1
-46.754220635384	-24.162757813177	VS	100	1	-46.892164535172	-24.242183714551	VS	250	1
-46.753973227954	-24.162632198535	VS	70	1	-46.82916043346	-24.180560659822	VS	70	1
-46.754134585432	-24.16318301054	VS	100	1	-46.83018264163	-24.202842352139	VS	70	1
-46.753945254545	-24.163478786196	VS	100	1	-46.828970110321	-24.202760021874	VS	70	1
-46.753919049053	-24.163816037853	VS	100	1	-46.822763078989	-24.201862319712	VS	250	1
-46.753624991887	-24.163659081965	VS	100	1	-46.81480095859	-24.178618029838	VS	70	1
-46.753312135842	-24.163492107983	VS	100	1	-46.756523022367	-24.159014831835	VS	100	1
-46.752785883089	-24.163208678563	VS	100	1	-46.859079293711	-24.207494417475	VS	100	1
-46.752517905523	-24.163068090115	VS	100	1	-46.791142570119	-24.177169111458	VS	100	1
-46.752270498264	-24.162936288182	VS	100	1	-46.758956767412	-24.161439569352	VS	70	1
-46.752032656804	-24.162821846128	VS	100	1	-46.768168209724	-24.163484462093	VS	100	1
-46.751439476258	-24.162506352708	VS	100	1	-46.831972137072	-24.186211968945	VS	70	1
-46.751752371908	-24.162663080528	VS	100	1	-46.864399635022	-24.22665638574	VS	100	1
-46.750854828284	-24.162146676073	VS	100	1	-46.864051632173	-24.227619569955	VS	70	1
-46.750778448991	-24.162152649712	VS	100	1	-46.855915194479	-24.217312239462	VS	70	1
-46.776772790758	-24.172766635918	VS	100	1	-46.796906957734	-24.158370147191	VS	70	1
-46.776419482311	-24.172607299996	VS	100	1	-46.810872576563	-24.197168533923	VS	250	1
-46.775793978514	-24.172322972506	VS	100	1	-46.810028487893	-24.19949151008	VS	250	1
-46.775492168475	-24.17218562839	VS	100	1	-46.807208546494	-24.195493169794	VS	70	1
-46.775233879737	-24.172073716634	VS	100	1	-46.815080704856	-24.18797257892	VS	70	1
-46.753769427986	-24.162190399569	VS	250	1	-46.795442252426	-24.17988640043	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.753512132866	-24.162589643801	VS	100	1	-46.815078954093	-24.18073835035	VS	70	1
-46.753352241771	-24.162786915831	VS	250	1	-46.777508228494	-24.149870010581	VS	70	1
-46.753158910936	-24.162685247591	VS	250	1	-46.86675224092	-24.208398786067	VS	70	1
-46.752967348685	-24.162586558501	VS	250	1	-46.868499678308	-24.207168388702	VS	70	1
-46.752692591143	-24.162474468704	VS	250	1	-46.819790627445	-24.192937529958	VS	100	1
-46.752767964084	-24.162265473046	VS	100	1	-46.842149781255	-24.202434894443	VS	100	1
-46.752205472971	-24.162219157838	VS	150	1	-46.733407024095	-24.147200798666	VS	70	1
-46.752169047007	-24.162110649988	VS	250	1	-46.780467393609	-24.151389901747	VS	70	1
-46.751909106384	-24.162140966289	VS	250	1	-46.793128699795	-24.185692263256	VS	150	1
-46.751837322737	-24.162635672308	VS	250	1	-46.784700060996	-24.157171555751	VS	70	1
-46.776344709449	-24.173609229358	VS	100	1	-46.908537399517	-24.243710911267	VS	70	1
-46.776428889553	-24.173828617401	VS	100	1	-46.842365067305	-24.206086854806	VS	70	1
-46.752813262615	-24.162518737729	VS	70	1	-46.776151367299	-24.15578382212	VS	70	1
-46.75279517373	-24.162549553057	VS	70	1	-46.788605077872	-24.175558184979	VS	100	1
-46.75267448815	-24.162506302372	VS	70	1	-46.722080266128	-24.149045899322	VS	100	1
-46.908788000482	-24.243162009355	VS	100	1	-46.783176908434	-24.160385859524	VS	70	1
-46.775897553109	-24.168785327576	VS	100	1	-46.782880549604	-24.161538970126	VS	70	1
-46.772449181675	-24.169539503072	VS	100	1	-46.80633055228	-24.195465299675	VS	100	1
-46.897349753352	-24.241646145297	VS	100	1	-46.805382314411	-24.195813731331	VS	100	1
-46.897140960102	-24.24153962048	VS	100	1	-46.804807304906	-24.195538650771	VS	100	1
-46.897362834776	-24.241377245921	VS	100	1	-46.814395165586	-24.198816909883	VS	250	1
-46.776112294787	-24.168513791726	VS	100	1	-46.83110621084	-24.175312917548	VS	100	1
-46.775594413927	-24.168900197213	VS	100	1	-46.834527925933	-24.20539411694	VS	100	1
-46.775275921875	-24.169108159722	VS	100	1	-46.87478843873	-24.219310259581	VS	70	1
-46.774967103994	-24.169333537713	VS	100	1	-46.894775523336	-24.241545248138	VS	100	1
-46.774988445974	-24.168531491977	VS	100	1	-46.7877706652	-24.184372438058	VS	250	1
-46.774747153342	-24.168701295619	VS	100	1	-46.788004430372	-24.184486448365	VS	250	1
-46.774494965387	-24.168882029939	VS	100	1	-46.788500678478	-24.184740209414	VS	250	1
-46.774253414927	-24.169044414613	VS	100	1	-46.788490885527	-24.184734060115	VS	250	1
-46.775303131753	-24.16852868415	VS	100	1	-46.78867119019	-24.185053592002	VS	250	1
-46.77556304389	-24.168657625603	VS	100	1	-46.841805873446	-24.161932969291	VS	100	1
-46.772411931761	-24.168790223934	VS	100	1	-46.841522838012	-24.161697401995	VS	100	1
-46.772692120464	-24.168600786379	VS	100	1	-46.837876935203	-24.162855783702	VS	100	1
-46.774332130452	-24.168222964335	VS	100	1	-46.842094277844	-24.162184821733	VS	100	1
-46.774101603208	-24.16838486145	VS	100	1	-46.841250180183	-24.160643898953	VS	100	1
-46.773840063843	-24.168574422876	VS	100	1	-46.840638435215	-24.161999500598	VS	100	1
-46.773598513367	-24.168736806479	VS	100	1	-46.842430610867	-24.161226341163	VS	100	1
-46.773338739034	-24.168916904351	VS	100	1	-46.841506010862	-24.16084952923	VS	100	1
-46.773057598905	-24.169106587185	VS	100	1	-46.841889363168	-24.160724005049	VS	100	1
-46.77266735435	-24.169102540989	VS	100	1	-46.842201900955	-24.160791891379	VS	100	1
-46.772326858995	-24.168951757147	VS	100	1	-46.8404242115	-24.159302572915	VS	100	1
-46.850428823314	-24.208786602415	VS	100	1	-46.842060202507	-24.160534253176	VS	100	1
-46.896104618718	-24.242099689397	VS	100	1	-46.84044801499	-24.156761255406	VS	1000	1
-46.895913818819	-24.241884593763	VS	100	1	-46.84065810297	-24.159069039966	VS	100	1
-46.895701874629	-24.241654292871	VS	100	1	-46.840694473711	-24.157197101832	VS	100	1
-46.89548949124	-24.241406163191	VS	100	1	-46.840559242143	-24.15697021339	VS	100	1
-46.770260074959	-24.169442557215	VS	100	1	-46.839372614063	-24.160420805222	VS	100	1
-46.748348343696	-24.16409223972	VS	100	1	-46.840286684447	-24.155625598581	VS	100	1
-46.748157120863	-24.164392190918	VS	100	1	-46.831752726294	-24.159996800869	VS	100	1
-46.748065569803	-24.164537055309	VS	100	1	-46.839108579128	-24.160674627967	VS	100	1
-46.747958392641	-24.16454602596	VS	100	1	-46.834613005091	-24.160960431355	VS	100	1
-46.748266183537	-24.164695478262	VS	100	1	-46.831491974028	-24.160255359947	VS	100	1
-46.748083706685	-24.163480489783	VS	100	1	-46.834465721411	-24.155843146189	VS	100	1
-46.770801027808	-24.169072761596	VS	100	1	-46.834731322428	-24.159433692413	VS	100	1
-46.77538073304	-24.169803345456	VS	100	1	-46.835104929405	-24.156369893089	VS	100	1
-46.775071707309	-24.170019774175	VS	100	1	-46.834791357128	-24.15611804518	VS	100	1
-46.774772115702	-24.170218279369	VS	100	1	-46.836807963467	-24.156897849933	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.884939164318	-24.206000128024	VS	100	1	-46.836553595641	-24.156685473177	VS	100	1
-46.890236410109	-24.201678348155	VS	100	1	-46.836223041746	-24.151680300427	VS	100	1
-46.888939554688	-24.211706101568	VS	100	1	-46.837082055216	-24.157129248545	VS	100	1
-46.891675102551	-24.209780975889	VS	100	1	-46.834585846468	-24.154365332468	VS	100	1
-46.892601900331	-24.209130978121	VS	100	1	-46.835806402783	-24.152318868253	VS	100	1
-46.893210037343	-24.208697656346	VS	100	1	-46.8322015957	-24.153567330861	VS	100	1
-46.885573962238	-24.205057965123	VS	100	1	-46.834431360072	-24.154615813754	VS	100	1
-46.885708464854	-24.204838093645	VS	100	1	-46.817812331811	-24.148189844422	VS	100	1
-46.748240503688	-24.163263294901	VS	100	1	-46.831623348273	-24.153819575879	VS	100	1
-46.748412802234	-24.162996136155	VS	100	1	-46.818292629764	-24.149039038067	VS	100	1
-46.846907069504	-24.210222082366	VS	100	1	-46.817956725972	-24.14805185994	VS	100	1
-46.84551817101	-24.21039514939	VS	70	1	-46.817993641522	-24.149494290229	VS	100	1
-46.845334814177	-24.210180774976	VS	70	1	-46.817774497492	-24.14932139714	VS	100	1
-46.750291886795	-24.164722511691	VS	100	1	-46.823370371826	-24.157994006089	VS	100	1
-46.774943562265	-24.168337599623	VS	100	1	-46.816886256665	-24.150648482696	VS	100	1
-46.774645325601	-24.168179203327	VS	100	1	-46.818862752135	-24.161015296297	VS	100	1
-46.771879446732	-24.169927204008	VS	100	1	-46.823620880407	-24.158206215936	VS	100	1
-46.771497153634	-24.170361715838	VS	100	1	-46.819440013734	-24.161425368958	VS	100	1
-46.771149648321	-24.170203548975	VS	100	1	-46.819179263751	-24.161230172875	VS	100	1
-46.770862123757	-24.170060066178	VS	100	1	-46.819032733211	-24.159830408065	VS	100	1
-46.910549330315	-24.2437628027	VS	100	1	-46.819708017269	-24.161626570097	VS	100	1
-46.884746928253	-24.205769667675	VS	100	1	-46.82059283568	-24.163706554052	VS	100	1
-46.884153699176	-24.205912557649	VS	100	1	-46.820166702613	-24.160688294262	VS	100	1
-46.885363818402	-24.206496434044	VS	100	1	-46.829588515513	-24.159432535348	VS	100	1
-46.84422118501	-24.215284724575	VS	70	1	-46.83007885916	-24.159514068988	VS	100	1
-46.843696374323	-24.214699898609	VS	70	1	-46.829470915632	-24.160576459886	VS	100	1
-46.771815081085	-24.170528815467	VS	100	1	-46.829123496512	-24.160306425726	VS	100	1
-46.76966902751	-24.168527962639	VS	70	1	-46.830210001577	-24.162934905497	VS	100	1
-46.770601453351	-24.168502947069	VS	100	1	-46.829760899247	-24.160820225596	VS	100	1
-46.770321488746	-24.168701303118	VS	100	1	-46.829663796895	-24.164967593776	VS	100	1
-46.770041513785	-24.168899649247	VS	100	1	-46.830791292523	-24.163424454825	VS	100	1
-46.769212104471	-24.169209649676	VS	100	1	-46.830144858996	-24.16537435639	VS	100	1
-46.749168115832	-24.161793021126	VS	100	1	-46.829894278101	-24.165162107678	VS	100	1
-46.753353218391	-24.161036745116	VS	100	1	-46.83089373077	-24.16629771597	VS	100	1
-46.747670304448	-24.164387675141	VS	100	1	-46.830653191994	-24.165804143283	VS	100	1
-46.848539630066	-24.207487728717	VS	70	1	-46.833386122471	-24.165514201514	VS	100	1
-46.84909941918	-24.207978578319	VS	70	1	-46.831131770091	-24.166063584396	VS	100	1
-46.763458170948	-24.160905222141	VS	100	1	-46.83340651992	-24.166494703839	VS	100	1
-46.913069457416	-24.242991231433	VS	100	1	-46.833180018734	-24.166327748445	VS	100	1
-46.747794816125	-24.16332387505	VS	100	1	-46.833913824892	-24.166224044634	VS	100	1
-46.747592016782	-24.163364109474	VS	100	1	-46.833636524601	-24.166466222163	VS	100	1
-46.747477562371	-24.163146110847	VS	100	1	-46.833715533378	-24.165803535001	VS	100	1
-46.747403608328	-24.163655339165	VS	100	1	-46.83415514406	-24.166145850191	VS	100	1
-46.747880608242	-24.162894935029	VS	100	1	-46.831581478969	-24.165175925994	VS	100	1
-46.747762082353	-24.163086404298	VS	100	1	-46.806894731985	-24.195914759348	VS	100	1
-46.748027075116	-24.162665073633	VS	100	1	-46.808981860653	-24.189486301687	VS	100	1
-46.747778171134	-24.162515192229	VS	100	1	-46.729936065672	-24.153617793715	VS	100	1
-46.748150249378	-24.162476817144	VS	100	1	-46.8980448251	-24.237880235524	VS	100	1
-46.748302563012	-24.162243656681	VS	100	1	-46.731042913126	-24.147913073195	VS	100	1
-46.748285010883	-24.16244401314	VS	100	1	-46.730780265422	-24.148098226552	VS	100	1
-46.747946790893	-24.162250212183	VS	100	1	-46.729303103551	-24.148625753746	VS	100	1
-46.747648404492	-24.16208283834	VS	100	1	-46.728985355534	-24.148467416731	VS	100	1
-46.84317409154	-24.21353353439	VS	70	1	-46.728661504134	-24.148337495582	VS	100	1
-46.842960377529	-24.213689676059	VS	70	1	-46.820364184647	-24.194473557575	VS	70	1
-46.842881799458	-24.213740804231	VS	70	1	-46.82069111917	-24.194626849329	VS	70	1
-46.746773443879	-24.161607332596	VS	100	1	-46.863853477562	-24.21011363722	VS	250	1
-46.747061785556	-24.161765826644	VS	100	1	-46.864141598145	-24.209903458739	VS	250	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.749063346302	-24.161683822127	VS	100	1	-46.864427380027	-24.209711465061	VS	250	1
-46.749197940687	-24.161307541055	VS	100	1	-46.863686709806	-24.210145554176	VS	70	1
-46.748899650318	-24.161140235524	VS	100	1	-46.86344857847	-24.20985743375	VS	70	1
-46.748614148952	-24.161001234477	VS	100	1	-46.864115827249	-24.210702641614	VS	70	1
-46.748975808479	-24.161134391836	VS	100	1	-46.864493198486	-24.210009703028	VS	70	1
-46.749045168327	-24.161999397102	VS	100	1	-46.864688152456	-24.210271176785	VS	70	1
-46.748931897327	-24.162187453166	VS	100	1	-46.864260385001	-24.209739788042	VS	70	1
-46.749350142616	-24.161838356289	VS	100	1	-46.864019939325	-24.209449946506	VS	70	1
-46.749837204062	-24.16209364694	VS	100	1	-46.863203829097	-24.209575182981	VS	70	1
-46.749779006374	-24.161983638551	VS	100	1	-46.864741891661	-24.209506835688	VS	250	1
-46.788155694091	-24.15548459217	VS	100	1	-46.865062937161	-24.209603979726	VS	70	1
-46.788315776004	-24.155728739258	VS	100	1	-46.865275937817	-24.209869811508	VS	70	1
-46.788491701601	-24.156002688723	VS	100	1	-46.864830110788	-24.209337482402	VS	70	1
-46.746760894726	-24.159412440305	VS	100	1	-46.865819814315	-24.209493739864	VS	70	1
-46.747501236832	-24.159808572847	VS	100	1	-46.865595945402	-24.209232310828	VS	70	1
-46.740863500763	-24.149953301347	VS	100	1	-46.865157297885	-24.208648189736	VS	70	1
-46.740651184355	-24.150106496084	VS	100	1	-46.864924670533	-24.208381959593	VS	70	1
-46.740429254768	-24.150268680487	VS	100	1	-46.833449260896	-24.175179396764	VS	70	1
-46.740194233771	-24.150438377882	VS	100	1	-46.833033493412	-24.176004477375	VS	70	1
-46.747607517822	-24.160453630702	VS	100	1	-46.833280315694	-24.177199079679	VS	70	1
-46.747260598746	-24.160261884917	VS	100	1	-46.833599062286	-24.176982455635	VS	70	1
-46.746941345569	-24.160101383336	VS	100	1	-46.833869136703	-24.176784072695	VS	70	1
-46.746712314673	-24.15997788513	VS	100	1	-46.833151635853	-24.180001876337	VS	70	1
-46.815619438891	-24.199730820991	VS	250	1	-46.831322651822	-24.192226548502	VS	70	1
-46.823495056884	-24.203646441974	VS	70	1	-46.781673582082	-24.160014665474	VS	70	1
-46.823626976284	-24.203422599132	VS	70	1	-46.781364033653	-24.160222675794	VS	70	1
-46.823747572395	-24.203208056291	VS	70	1	-46.781051220358	-24.160444470115	VS	70	1
-46.751005966344	-24.161895764058	VS	100	1	-46.780781498429	-24.160632981416	VS	70	1
-46.835909425251	-24.174306004946	VS	100	1	-46.83483440999	-24.186061499939	VS	70	1
-46.834819898448	-24.175701450135	VS	100	1	-46.834318236399	-24.185560104115	VS	70	1
-46.887158936889	-24.212970457422	VS	100	1	-46.900967102642	-24.237279969699	VS	100	1
-46.887462866223	-24.212749379003	VS	100	1	-46.861599069004	-24.22259383356	VS	70	1
-46.888045118262	-24.212335768089	VS	100	1	-46.861921751907	-24.222767923121	VS	70	1
-46.886007795909	-24.213753118891	VS	100	1	-46.854633940426	-24.21558282203	VS	100	1
-46.885436500664	-24.214171985097	VS	100	1	-46.871600176886	-24.212831881261	VS	100	1
-46.882523194591	-24.216261375375	VS	100	1	-46.871306628915	-24.213039132097	VS	100	1
-46.882217123195	-24.216482203651	VS	100	1	-46.871065089805	-24.213206066718	VS	100	1
-46.751322920268	-24.161374379569	VS	100	1	-46.869741829591	-24.214115360062	VS	100	1
-46.751166634671	-24.161635967009	VS	100	1	-46.756200332861	-24.164407763662	VS	100	1
-46.751950226356	-24.160971830163	VS	100	1	-46.755739530714	-24.164786121755	VS	100	1
-46.83443169769	-24.176293384341	VS	100	1	-46.758906985193	-24.16387806057	VS	100	1
-46.834177417544	-24.176540761567	VS	100	1	-46.719103930477	-24.14050197721	VS	70	1
-46.833922868402	-24.176619881089	VS	70	1	-46.720967422324	-24.139195186992	VS	70	1
-46.833573134437	-24.176667020381	VS	70	1	-46.719914761893	-24.13992530335	VS	70	1
-46.83572530401	-24.174469272674	VS	100	1	-46.830990885473	-24.205184255956	VS	70	1
-46.835503588817	-24.174704578435	VS	100	1	-46.831193250108	-24.205283408009	VS	70	1
-46.835322545106	-24.174965727714	VS	100	1	-46.891420118679	-24.201675070483	VS	100	1
-46.834620893122	-24.175997459013	VS	100	1	-46.851136627714	-24.219283224433	VS	100	1
-46.834451169078	-24.173589386399	VS	100	1	-46.771050548211	-24.162919161328	VS	100	1
-46.83444782179	-24.173857100771	VS	100	1	-46.834809241509	-24.205529147093	VS	100	1
-46.834434493568	-24.174115318534	VS	100	1	-46.851999747747	-24.206141520198	VS	70	1
-46.834422239284	-24.174829898776	VS	100	1	-46.84937262446	-24.159270225448	VS	100	1
-46.834400778048	-24.175160212283	VS	100	1	-46.843185609276	-24.16960042024	VS	100	6
-46.88686744249	-24.213166174451	VS	100	1	-46.839928973556	-24.167689396742	VS	100	1
-46.886587300714	-24.213355823266	VS	100	1	-46.836484346061	-24.164887814977	VS	100	1
-46.886297538631	-24.21355448016	VS	100	1	-46.877005174853	-24.229700119111	VS	100	1
-46.889001354363	-24.226575697111	VS	70	1	-46.822839429339	-24.189144240132	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.761402399033	-24.164415396403	VS	70	1	-46.766712808018	-24.157661198221	VS	100	1
-46.750986592194	-24.160479188042	VS	100	1	-46.766078190508	-24.163751277957	VS	100	1
-46.749288090187	-24.160641469941	VS	100	1	-46.765834229713	-24.166043355388	VS	100	1
-46.749439269559	-24.16039051569	VS	100	1	-46.76544543548	-24.16492293957	VS	100	1
-46.749056900304	-24.160636017351	VS	100	1	-46.76491078269	-24.164571698212	VS	100	1
-46.748768136758	-24.160474224682	VS	100	1	-46.842734561918	-24.169220199655	VS	100	1
-46.750289565293	-24.161296302989	VS	100	1	-46.83828369266	-24.169104828718	VS	70	1
-46.749975245045	-24.161527405874	VS	100	1	-46.838146430107	-24.168651936997	VS	70	1
-46.75012796953	-24.161294164376	VS	100	1	-46.837888080124	-24.168911293411	VS	70	1
-46.750102522964	-24.161791730753	VS	100	1	-46.770467837939	-24.166594637347	VS	100	1
-46.749846775756	-24.161697954326	VS	100	1	-46.819364300426	-24.191568186652	VS	100	1
-46.749814196446	-24.161633233489	VS	100	1	-46.81719482228	-24.190436974434	VS	100	1
-46.749525821914	-24.161474725397	VS	100	1	-46.817314325166	-24.189987657155	VS	100	1
-46.834387547327	-24.17610821119	VS	100	1	-46.872275794795	-24.215790395812	VS	100	1
-46.834397862421	-24.175445763301	VS	70	1	-46.867787942296	-24.224229184864	VS	100	1
-46.834396021865	-24.175775928463	VS	100	1	-46.867693152073	-24.226208861366	VS	100	1
-46.834089945727	-24.174114401513	VS	100	1	-46.867612106907	-24.226914414199	VS	100	1
-46.833724611143	-24.174096298116	VS	100	1	-46.816104402351	-24.187610671364	VS	100	1
-46.83374158302	-24.17510547699	VS	70	1	-46.81383622088	-24.187297953027	VS	100	1
-46.833740813253	-24.175480337126	VS	100	1	-46.809953725099	-24.19300212321	VS	100	1
-46.833740168866	-24.175868562571	VS	70	1	-46.783976582831	-24.17576207454	VS	100	1
-46.833739067971	-24.176220954474	VS	100	1	-46.783519977653	-24.175197303818	VS	100	1
-46.833737004505	-24.176542196384	VS	100	1	-46.722621732162	-24.146160151717	VS	100	1
-46.833649699601	-24.175185081067	VS	70	1	-46.722129083691	-24.146511798366	VS	100	1
-46.832967776571	-24.17662747699	VS	70	1	-46.814774307701	-24.191658921595	VS	100	1
-46.8864774825	-24.227929223137	VS	70	1	-46.814577199073	-24.191534777302	VS	100	1
-46.886274897647	-24.227701357401	VS	70	1	-46.76566563269	-24.162550107776	VS	70	1
-46.884157591774	-24.229926925126	VS	100	1	-46.870377023191	-24.226397701699	VS	70	1
-46.883841589721	-24.230136917061	VS	100	1	-46.840852325461	-24.162883346834	VS	70	1
-46.883348352513	-24.229961838049	VS	100	1	-46.83045799776	-24.206774473082	VS	100	1
-46.88447191875	-24.22970785255	VS	70	1	-46.717903640133	-24.144686183234	VS	100	1
-46.748353016378	-24.160112934697	VS	100	1	-46.779285706589	-24.174640937975	VS	250	1
-46.751132219091	-24.159751112373	VS	100	1	-46.749915996398	-24.165642282175	VS	100	1
-46.750969130768	-24.159796435834	VS	100	1	-46.855246413507	-24.211291279474	VS	70	1
-46.751288719559	-24.159954684879	VS	100	1	-46.810779199653	-24.187946647998	VS	100	1
-46.751579179877	-24.160105683674	VS	100	1	-46.810677231552	-24.191355307805	VS	100	1
-46.752217560838	-24.159995579464	VS	100	1	-46.737410078766	-24.158244765758	VS	100	1
-46.884175710868	-24.226164715674	VS	70	1	-46.736636841081	-24.156267289905	VS	100	1
-46.883891827763	-24.226357401294	VS	70	1	-46.903656938428	-24.23368735484	VS	100	1
-46.883584480312	-24.226559982042	VS	70	1	-46.90342536418	-24.233858829756	VS	100	1
-46.883490526974	-24.227607964182	VS	70	1	-46.825429093625	-24.157951585724	VS	70	1
-46.883329004607	-24.226730560988	VS	70	1	-46.772682455808	-24.155270556306	VS	70	1
-46.883182344381	-24.226724884563	VS	70	1	-46.772670292652	-24.166441842228	VS	100	1
-46.88314567273	-24.227420512399	VS	70	1	-46.778422548323	-24.174254770219	VS	250	1
-46.883101949532	-24.226908878966	VS	70	1	-46.764598781708	-24.162584359306	VS	100	1
-46.883092151404	-24.227641967722	VS	70	1	-46.770333284232	-24.161435903319	VS	100	1
-46.75210864263	-24.159775186795	VS	100	1	-46.841885274724	-24.163745614846	VS	70	1
-46.752387167251	-24.159924940608	VS	100	1	-46.72598734858	-24.142475844287	VS	100	1
-46.752378049608	-24.159726805132	VS	100	1	-46.723981017053	-24.148748596823	VS	100	1
-46.753131900198	-24.160611631789	VS	100	1	-46.722993698868	-24.145463851058	VS	100	1
-46.753022419585	-24.160856631169	VS	100	1	-46.820691902829	-24.189052082776	VS	100	1
-46.753551630606	-24.161146911928	VS	100	1	-46.766121245596	-24.165850459911	VS	100	1
-46.833989641399	-24.162801469446	VS	100	1	-46.765635133464	-24.161053706819	VS	100	1
-46.833245463209	-24.162182439151	VS	100	1	-46.765381166757	-24.160704521035	VS	100	1
-46.832833979815	-24.161660597292	VS	100	1	-46.771627135894	-24.167367254971	VS	100	1
-46.832603407235	-24.16187671559	VS	100	1	-46.769885473233	-24.168039622421	VS	100	1
-46.833749135909	-24.162598112967	VS	100	1	-46.762159943686	-24.166959245822	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.833534474939	-24.162422592786	VS	100	1	-46.765112829915	-24.160563736594	VS	100	1
-46.833389815472	-24.161103083371	VS	100	1	-46.878624427427	-24.223972441122	VS	70	1
-46.833159879503	-24.161336864703	VS	100	1	-46.85993624958	-24.211342147406	VS	70	1
-46.833038029197	-24.162014689686	VS	100	1	-46.854395178712	-24.210917991712	VS	70	1
-46.833006548233	-24.161489721209	VS	100	1	-46.856591621894	-24.208682673478	VS	70	1
-46.882991790798	-24.22615425562	VS	100	1	-46.84119078867	-24.169492281361	VS	100	1
-46.882887001765	-24.22728576947	VS	70	1	-46.903227781347	-24.234991453759	VS	100	1
-46.882840992576	-24.226529818166	VS	100	1	-46.903023580331	-24.237692085305	VS	100	1
-46.882711592854	-24.226343900921	VS	100	1	-46.90278517135	-24.238381161695	VS	100	1
-46.88251512783	-24.226328940272	VS	100	1	-46.902350270622	-24.234463134002	VS	100	1
-46.882426180806	-24.226538805218	VS	100	1	-46.789211773396	-24.158522665659	VS	100	1
-46.753865536259	-24.161315275444	VS	100	1	-46.842281710103	-24.172036248092	VS	100	1
-46.753718716316	-24.161878013592	VS	100	1	-46.842040714923	-24.171823736804	VS	100	1
-46.753450557358	-24.161737304721	VS	100	1	-46.792929729882	-24.178706314605	VS	100	1
-46.753225715779	-24.161610722679	VS	100	1	-46.863893565782	-24.210431696632	VS	70	1
-46.753667202282	-24.160604083335	VS	100	1	-46.792450599501	-24.179235650247	VS	100	1
-46.753957710966	-24.160761182878	VS	100	1	-46.792171914247	-24.178071264277	VS	100	1
-46.753913142353	-24.160119117771	VS	100	1	-46.909137965806	-24.233417135888	VS	100	1
-46.75363373863	-24.159831774379	VS	100	1	-46.874553037535	-24.22982616583	VS	100	1
-46.753634798636	-24.159969461726	VS	100	1	-46.874133684193	-24.217762308932	VS	70	1
-46.753463165979	-24.160091794558	VS	100	1	-46.874020004553	-24.227517374652	VS	100	1
-46.753782307422	-24.1596169392	VS	100	1	-46.818246115466	-24.191713576374	VS	100	1
-46.753346064928	-24.159810752441	VS	100	1	-46.771102748392	-24.154443795354	VS	70	1
-46.774527469228	-24.177726603631	VS	100	1	-46.86907776539	-24.212672184201	VS	100	1
-46.832286499503	-24.16137814355	VS	100	1	-46.905814366006	-24.234348068129	VS	100	1
-46.831038294517	-24.163439106117	VS	70	1	-46.912124878504	-24.222187572998	VS	70	1
-46.831673112157	-24.161588111337	VS	70	1	-46.815833550856	-24.187189156327	VS	150	1
-46.831943703788	-24.161817998931	VS	70	1	-46.815686210076	-24.186994597341	VS	70	1
-46.88614911478	-24.225539955668	VS	100	1	-46.816125026273	-24.187205077676	VS	150	1
-46.886448417398	-24.225332363514	VS	100	1	-46.816472011272	-24.187227681721	VS	150	1
-46.886233538711	-24.224929660285	VS	100	1	-46.837895061307	-24.159496281445	VS	100	1
-46.885938354467	-24.224765523609	VS	100	1	-46.837654561564	-24.159284221685	VS	100	1
-46.885909493007	-24.224970651967	VS	100	1	-46.788975054293	-24.176352450157	VS	100	1
-46.885581084365	-24.225196371786	VS	100	1	-46.775843849308	-24.150750456282	VS	70	1
-46.885262284809	-24.225413099978	VS	100	1	-46.781004276035	-24.172958662007	VS	70	1
-46.88521306391	-24.224610445722	VS	100	1	-46.870862255399	-24.228169528024	VS	100	1
-46.884904080296	-24.224827096352	VS	100	1	-46.870462058208	-24.217239206557	VS	100	1
-46.884877969069	-24.226691844851	VS	100	1	-46.916427270099	-24.21898760587	VS	70	1
-46.884724915104	-24.225256389194	VS	100	1	-46.915978882423	-24.219328926763	VS	70	1
-46.77203430694	-24.17758372168	VS	100	1	-46.915453200077	-24.219710385675	VS	70	1
-46.777139686137	-24.178159446807	VS	100	1	-46.915097001785	-24.219977817702	VS	70	1
-46.776895115739	-24.178328566121	VS	100	1	-46.91480120751	-24.220207144272	VS	70	1
-46.776896656968	-24.179074737453	VS	250	1	-46.870201099122	-24.217009278595	VS	100	1
-46.776839947932	-24.177340260356	VS	100	1	-46.870196619241	-24.221916867133	VS	70	1
-46.776695594859	-24.178475007373	VS	100	1	-46.815707361714	-24.190219317994	VS	250	2
-46.776678178137	-24.178969286436	VS	250	1	-46.815441136353	-24.188433686473	VS	100	1
-46.776526813536	-24.177515022969	VS	100	1	-46.815347447159	-24.187551701191	VS	100	1
-46.77649100306	-24.178869418993	VS	250	1	-46.779770464424	-24.171140272926	VS	250	1
-46.776453962473	-24.178646488327	VS	100	1	-46.781491630786	-24.169921474166	VS	250	1
-46.776281571964	-24.177687828162	VS	100	1	-46.86378556209	-24.20918528105	VS	70	1
-46.83096720914	-24.161848711763	VS	70	1	-46.86435491608	-24.20877040722	VS	70	1
-46.830721801762	-24.16163101662	VS	70	1	-46.916893576245	-24.218634970736	VS	70	1
-46.830478231894	-24.161268617966	VS	70	1	-46.87259097706	-24.220220175361	VS	70	1
-46.830471273712	-24.161418816036	VS	70	1	-46.927838280146	-24.207087638183	VS	70	1
-46.830244123775	-24.161233422058	VS	70	1	-46.788585678226	-24.159542980379	VS	100	1
-46.830248341522	-24.161502350426	VS	70	1	-46.789346862931	-24.158710854491	VS	100	1
-46.830018178692	-24.161727212158	VS	70	1	-46.822027084894	-24.186522663261	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.829980681164	-24.161012371941	VS	70	1	-46.821732135203	-24.186318304307	VS	100	1
-46.834738216251	-24.163408499413	VS	100	1	-46.822312834292	-24.18670086612	VS	100	1
-46.835702288497	-24.16422437289	VS	100	1	-46.82143339683	-24.186133396587	VS	100	1
-46.835472218491	-24.164030247961	VS	100	1	-46.821133955987	-24.185956790862	VS	100	1
-46.884661868922	-24.224159775272	VS	100	1	-46.822340784541	-24.186962124447	VS	100	1
-46.884717165215	-24.226507359915	VS	100	1	-46.82252994729	-24.186838532607	VS	100	1
-46.884585271016	-24.225043822832	VS	100	1	-46.822156923487	-24.187211499853	VS	100	1
-46.88457341102	-24.226518002218	VS	100	1	-46.821966007255	-24.18748067878	VS	100	1
-46.884410927946	-24.224340262391	VS	100	1	-46.820921264546	-24.185821065348	VS	100	1
-46.884453559214	-24.226700857081	VS	100	1	-46.819658038647	-24.185944933876	VS	100	1
-46.884396131783	-24.225062775769	VS	100	1	-46.819556409184	-24.185544004304	VS	100	1
-46.884288819533	-24.225240064371	VS	100	1	-46.819820074498	-24.185774699864	VS	100	1
-46.884300337646	-24.226357553516	VS	100	1	-46.820199123894	-24.186002478548	VS	100	1
-46.884159608583	-24.224502859101	VS	100	1	-46.820457435836	-24.186151836998	VS	100	1
-46.884139734602	-24.226912523496	VS	100	1	-46.820766147161	-24.186336785974	VS	100	1
-46.884067048442	-24.224860191233	VS	100	1	-46.82107517547	-24.18653072307	VS	100	1
-46.884005283877	-24.2254232565	VS	100	1	-46.821384291146	-24.186714482949	VS	100	1
-46.818784782213	-24.183100143088	VS	100	1	-46.819929213784	-24.185834489625	VS	100	1
-46.776171330471	-24.178714205634	VS	250	1	-46.876582932248	-24.225285632365	VS	70	1
-46.776174168041	-24.178853765861	VS	100	1	-46.876924761784	-24.225457209689	VS	100	1
-46.776026350255	-24.177885212131	VS	100	1	-46.877223960801	-24.225608055378	VS	100	1
-46.775926003868	-24.178620982159	VS	100	1	-46.774616740279	-24.151981891945	VS	70	1
-46.77588455606	-24.179052070183	VS	100	1	-46.876841805296	-24.225685942005	VS	100	1
-46.775737631371	-24.178094946006	VS	100	1	-46.877371686225	-24.226151613937	VS	100	1
-46.860667047236	-24.16439713761	VS	100	1	-46.877110917621	-24.226332163439	VS	100	1
-46.775492885855	-24.178286317686	VS	100	1	-46.876262778564	-24.226091895477	VS	100	1
-46.860414016757	-24.164104730471	VS	100	1	-46.877112495229	-24.225496185715	VS	100	1
-46.775194731984	-24.178500783131	VS	100	1	-46.850882346855	-24.219449982231	VS	100	1
-46.774667983162	-24.177428326427	VS	100	1	-46.850679277484	-24.219676093599	VS	100	1
-46.860156701606	-24.163829400686	VS	100	1	-46.838798471357	-24.203288795861	VS	70	1
-46.859905443553	-24.16355520901	VS	100	1	-46.868046345844	-24.222329737587	VS	70	1
-46.859657037534	-24.163279156059	VS	100	1	-46.86787702737	-24.222232924864	VS	70	1
-46.859399826922	-24.163000383934	VS	100	1	-46.887618309849	-24.233845063416	VS	100	1
-46.859156943447	-24.162742657438	VS	100	1	-46.887800391981	-24.241769962085	VS	100	1
-46.834490542849	-24.163216993363	VS	100	1	-46.899914295664	-24.240781467197	VS	100	1
-46.834217103272	-24.16295687267	VS	100	1	-46.901973306398	-24.230663010419	VS	70	1
-46.830561435908	-24.163909304735	VS	70	1	-46.747029418782	-24.159562176343	VS	100	1
-46.830322184417	-24.164151814593	VS	70	1	-46.888992594973	-24.235814927271	VS	100	1
-46.830091795733	-24.164367743776	VS	70	1	-46.888694474903	-24.235674562253	VS	100	1
-46.829852208217	-24.164610559055	VS	70	1	-46.888396131694	-24.235525264341	VS	100	1
-46.829641119572	-24.164817451915	VS	70	1	-46.890122803237	-24.235741405034	VS	100	1
-46.884001243788	-24.226181396355	VS	100	1	-46.889810422123	-24.23559009805	VS	100	1
-46.883957047933	-24.224656217368	VS	100	1	-46.885443372859	-24.234717086402	VS	100	1
-46.883748258332	-24.224675376785	VS	100	1	-46.885148609226	-24.234566761588	VS	100	1
-46.88369305985	-24.225992910444	VS	100	1	-46.903753042438	-24.231814759567	VS	100	1
-46.883637314172	-24.224034177565	VS	100	1	-46.889828932424	-24.236446707388	VS	100	1
-46.883439254811	-24.22449047516	VS	100	1	-46.890189603014	-24.23641895435	VS	100	1
-46.883406455443	-24.225035452898	VS	100	1	-46.794607436291	-24.162593181457	VS	70	1
-46.88337060641	-24.225793866955	VS	100	1	-46.794798148337	-24.162831615276	VS	70	1
-46.883280102618	-24.224286900972	VS	100	1	-46.795025826881	-24.163112930189	VS	70	1
-46.883135881433	-24.225216091045	VS	100	1	-46.795149432473	-24.163254384657	VS	70	1
-46.883054041624	-24.225608921834	VS	100	1	-46.749983913885	-24.158046626937	VS	100	1
-46.882999959842	-24.224476512743	VS	100	1	-46.779150562856	-24.170873740264	VS	100	1
-46.88287856228	-24.225395140095	VS	100	1	-46.842470875279	-24.202594953865	VS	70	1
-46.774243102009	-24.177734955255	VS	100	1	-46.794482694243	-24.18016067524	VS	100	1
-46.774209265259	-24.177550574239	VS	100	1	-46.720358420342	-24.141986787973	VS	100	1
-46.773982533056	-24.177924244165	VS	100	1	-46.794700489394	-24.179911581568	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.773732196192	-24.178134011716	VS	100	1	-46.795017083399	-24.179379541859	VS	100	1
-46.773514385133	-24.177927446543	VS	100	1	-46.720024030265	-24.142196871904	VS	100	1
-46.773520272901	-24.178305095425	VS	100	1	-46.855130469017	-24.214705543468	VS	70	1
-46.773266715136	-24.178493892348	VS	100	1	-46.904169101736	-24.224627056772	VS	100	1
-46.77289108946	-24.178149007264	VS	100	1	-46.903891622191	-24.224836835268	VS	100	1
-46.772030178345	-24.177646581256	VS	100	1	-46.903617346417	-24.225029450698	VS	100	1
-46.771693232839	-24.177444800617	VS	100	1	-46.854907952459	-24.21443960173	VS	70	1
-46.776504550824	-24.179596512474	VS	70	1	-46.854695694763	-24.214191421971	VS	70	1
-46.829430564996	-24.165033127517	VS	70	1	-46.783648405602	-24.155289656808	VS	100	1
-46.830795326462	-24.164291463527	VS	70	1	-46.783249115064	-24.155605802529	VS	100	1
-46.827624895804	-24.165577227136	VS	70	1	-46.782684328179	-24.156033325107	VS	100	1
-46.827861464246	-24.165806550482	VS	70	1	-46.782217597062	-24.156405363999	VS	100	1
-46.830554719674	-24.164088000282	VS	70	1	-46.781601047901	-24.156894486278	VS	100	1
-46.829574671597	-24.164057971677	VS	70	1	-46.781063794752	-24.157303407378	VS	100	1
-46.882615638113	-24.225576326978	VS	100	1	-46.79687022165	-24.162623493487	VS	70	1
-46.882384001745	-24.225202216626	VS	100	1	-46.797502734001	-24.163425545072	VS	70	1
-46.882333973235	-24.225766977834	VS	100	1	-46.797134434705	-24.163581722876	VS	70	1
-46.882182768988	-24.226124585822	VS	100	1	-46.7967885953379	-24.163723958991	VS	70	1
-46.882079882749	-24.225020465131	VS	100	1	-46.796624948334	-24.163780704559	VS	70	1
-46.88204826713	-24.225949980826	VS	100	1	-46.787896779558	-24.159617954388	VS	70	1
-46.88191809941	-24.225950619809	VS	100	1	-46.796435926121	-24.163853780326	VS	70	1
-46.881787847522	-24.224842701185	VS	100	1	-46.796503081306	-24.163498660989	VS	70	1
-46.881793444335	-24.22613690358	VS	100	1	-46.796324144374	-24.163221650585	VS	70	1
-46.881584228884	-24.225754491376	VS	100	1	-46.796013810175	-24.162986236091	VS	70	1
-46.776856091771	-24.179232927955	VS	70	1	-46.796567343334	-24.162752570967	VS	70	1
-46.777034992275	-24.179046642182	VS	100	1	-46.796725532878	-24.162830100925	VS	70	1
-46.77668038099	-24.180289963885	VS	70	1	-46.796894511276	-24.163100065132	VS	70	1
-46.77637272013	-24.180149472878	VS	70	1	-46.741731122036	-24.153045305512	VS	70	1
-46.776084483158	-24.179999927709	VS	70	1	-46.741146754934	-24.152734353156	VS	70	1
-46.751372661245	-24.161868265483	VS	250	1	-46.740865760958	-24.152768147649	VS	70	1
-46.7512434057	-24.161797827382	VS	150	1	-46.743993932677	-24.152347112915	VS	70	1
-46.752613869261	-24.161383849836	VS	250	1	-46.743683250438	-24.152186026096	VS	70	1
-46.75244309389	-24.16165341014	VS	250	1	-46.744657597689	-24.153276899305	VS	70	1
-46.752321108272	-24.161886069339	VS	250	1	-46.745119533284	-24.152307940508	VS	70	1
-46.752596005465	-24.16130615187	VS	250	1	-46.744821377325	-24.152149495697	VS	70	1
-46.752963388081	-24.161473177845	VS	250	1	-46.772270797299	-24.167295224837	VS	70	1
-46.752278191642	-24.161147855388	VS	70	1	-46.772531344054	-24.167105936036	VS	70	1
-46.881666387725	-24.228574034738	VS	100	1	-46.772763082927	-24.166943624125	VS	70	1
-46.881956183645	-24.228375392252	VS	100	1	-46.773004630485	-24.166781241503	VS	70	1
-46.886161498001	-24.238611615422	VS	100	1	-46.773265265328	-24.166591899548	VS	100	1
-46.88591049577	-24.236184795848	VS	100	1	-46.773545407509	-24.166402485473	VS	70	1
-46.885621299717	-24.236008636803	VS	100	1	-46.773767613694	-24.166238933436	VS	100	1
-46.885351988978	-24.235841256821	VS	100	1	-46.774085914387	-24.166014839219	VS	100	1
-46.75193454687	-24.161543155402	VS	100	1	-46.774400271731	-24.165784242665	VS	70	1
-46.751626336422	-24.161375875577	VS	70	1	-46.774710394397	-24.165574759719	VS	70	1
-46.752193058302	-24.161684039381	VS	250	1	-46.774877563149	-24.165455811648	VS	70	1
-46.752474007989	-24.161817660285	VS	70	1	-46.775147911736	-24.165266446864	VS	70	1
-46.751268498952	-24.161191009786	VS	100	1	-46.769366531269	-24.173580216808	VS	100	1
-46.750921610754	-24.161017050982	VS	70	1	-46.812656314745	-24.191238015702	VS	250	2
-46.751629225902	-24.1609070785	VS	100	1	-46.81234830405	-24.190084288028	VS	100	1
-46.751478961988	-24.161142959936	VS	100	1	-46.809378248611	-24.194556864822	VS	100	1
-46.750935417736	-24.161630669592	VS	100	1	-46.809081816304	-24.194068367034	VS	100	1
-46.753042411411	-24.163342221715	VS	100	1	-46.889862819191	-24.233686416632	VS	100	1
-46.84927081476	-24.211858481044	VS	100	1	-46.889548364197	-24.233463714937	VS	100	1
-46.843884801411	-24.203556239439	VS	100	1	-46.887276033424	-24.233017138783	VS	100	1
-46.844087566636	-24.20324174157	VS	100	1	-46.775314577782	-24.108922032421	VS	100	1
-46.851292852703	-24.209228592896	VS	100	1	-46.776494369087	-24.167502030753	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.850950724754	-24.212227370754	VS	70	1	-46.761841995055	-24.163775941954	VS	100	1
-46.906295786028	-24.223073496074	VS	100	1	-46.762430521824	-24.163343381528	VS	100	1
-46.749689234367	-24.161981313242	VS	100	1	-46.761552418748	-24.16398326391	VS	100	1
-46.753008425132	-24.160800344772	VS	100	1	-46.825346160294	-24.187757871723	VS	250	1
-46.746766419316	-24.160483053573	VS	100	1	-46.829258176097	-24.189111455851	VS	70	1
-46.746483521026	-24.160322583703	VS	100	1	-46.828953712342	-24.189902466379	VS	250	1
-46.906029667972	-24.223287615655	VS	100	1	-46.835169341006	-24.198729461827	VS	100	1
-46.905778904363	-24.223468038283	VS	100	1	-46.90021313225	-24.232485470221	VS	70	1
-46.856734436693	-24.216638358557	VS	100	1	-46.78949820211	-24.163563250372	VS	70	1
-46.856403544724	-24.216470131538	VS	100	1	-46.789463780818	-24.16326346142	VS	70	1
-46.796086626293	-24.163998957533	VS	70	1	-46.779505714265	-24.176180680817	VS	100	1
-46.797007755985	-24.162057830779	VS	70	1	-46.780408724362	-24.164613495424	VS	100	1
-46.795823980018	-24.164099084971	VS	70	1	-46.779258942185	-24.164037414477	VS	100	1
-46.888753815783	-24.238785210854	VS	100	1	-46.828261820359	-24.203998914169	VS	100	1
-46.888484728421	-24.238626767807	VS	100	1	-46.777519330637	-24.166022296318	VS	100	1
-46.74735060869	-24.161924640191	VS	100	1	-46.777051736463	-24.167579915311	VS	100	1
-46.747370804032	-24.164222360733	VS	100	1	-46.870010384602	-24.227300619732	VS	100	1
-46.747178606694	-24.162978386451	VS	100	1	-46.82779643664	-24.190147648582	VS	70	1
-46.747194352861	-24.163991730701	VS	100	1	-46.823268764071	-24.193039896913	VS	70	1
-46.74704551745	-24.162111944438	VS	100	1	-46.791372235895	-24.165705684675	VS	70	1
-46.74691017228	-24.16282870649	VS	100	1	-46.788296202022	-24.179084559528	VS	100	1
-46.746874652292	-24.162363112012	VS	100	1	-46.894092185319	-24.199697899975	VS	70	1
-46.746732751838	-24.162587086343	VS	100	1	-46.861004829363	-24.200240656918	VS	70	1
-46.794700391773	-24.16352784053	VS	70	1	-46.904148977171	-24.250133334761	VS	100	1
-46.792639456973	-24.165347516569	VS	70	1	-46.845701219148	-24.167445662885	VS	70	1
-46.792349708773	-24.165545981226	VS	70	1	-46.743705067331	-24.157705216617	VS	70	1
-46.792069987133	-24.165753296341	VS	70	1	-46.765795949081	-24.159643422874	VS	100	1
-46.791770417715	-24.165951839889	VS	70	1	-46.874844624978	-24.230003742361	VS	100	1
-46.791739474126	-24.166140677137	VS	70	1	-46.786646073476	-24.18162484174	VS	150	1
-46.79177504228	-24.165327307914	VS	70	1	-46.746132430456	-24.159678278717	VS	100	1
-46.792064582395	-24.165119922019	VS	70	1	-46.747226668495	-24.159521696887	VS	100	1
-46.773877678156	-24.154046191209	VS	100	1	-46.741155241748	-24.159613052551	VS	100	1
-46.774159522108	-24.154191517707	VS	100	1	-46.740176181524	-24.15695266688	VS	100	1
-46.77356253504	-24.15388121477	VS	100	1	-46.789359010344	-24.178425764031	VS	100	1
-46.88748218908	-24.238801649727	VS	100	1	-46.810863046099	-24.188612989033	VS	100	1
-46.746642644462	-24.162731088631	VS	100	1	-46.836735034729	-24.185170276941	VS	70	1
-46.746561919197	-24.16264859628	VS	100	1	-46.82613953994	-24.182490231635	VS	70	1
-46.746521005238	-24.161928345009	VS	100	1	-46.737693202874	-24.158747553272	VS	100	1
-46.746446282864	-24.163041360872	VS	100	1	-46.737323435703	-24.157689760918	VS	100	1
-46.746446687812	-24.163700455667	VS	100	1	-46.735558331665	-24.156555284554	VS	100	1
-46.746303505148	-24.162493993372	VS	100	1	-46.735166838437	-24.155818738725	VS	100	1
-46.746356998531	-24.163194888188	VS	100	1	-46.741101850193	-24.154622602035	VS	100	1
-46.746210029285	-24.162399559848	VS	100	1	-46.74223203515	-24.153782435191	VS	100	1
-46.746165121444	-24.163492266866	VS	100	1	-46.790730715816	-24.17754452702	VS	100	1
-46.746047487351	-24.162663382052	VS	100	1	-46.792274033115	-24.182647341358	VS	250	1
-46.746035236536	-24.162344415881	VS	100	1	-46.732313677208	-24.149126820691	VS	100	1
-46.745877121811	-24.1629322775	VS	100	1	-46.88439914016	-24.226015556057	VS	100	1
-46.792383133257	-24.164894467019	VS	70	1	-46.797079671088	-24.160549400156	VS	70	1
-46.79200985832	-24.164459886431	VS	70	1	-46.787250673885	-24.177337356206	VS	100	1
-46.794310384443	-24.162234604983	VS	70	1	-46.790746451535	-24.177272297734	VS	100	1
-46.797278288675	-24.161877343743	VS	70	1	-46.777649261313	-24.177801677671	VS	100	1
-46.797568230476	-24.161687780847	VS	70	1	-46.864587576252	-24.209045330821	VS	70	1
-46.797748868932	-24.1616757977	VS	70	1	-46.866663294594	-24.207181694749	VS	70	1
-46.794442012654	-24.16240313956	VS	70	1	-46.797697965907	-24.159407366664	VS	70	1
-46.791897769783	-24.163974578672	VS	70	1	-46.90407015512	-24.233380567059	VS	100	1
-46.791723172634	-24.163953308807	VS	70	1	-46.781682181342	-24.172800154005	VS	70	1
-46.792084300181	-24.16419449875	VS	70	1	-46.797190135134	-24.158184048911	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.79170884415	-24.163761786847	VS	70	1	-46.783676185254	-24.167950346857	VS	70	1
-46.795600381928	-24.164189993973	VS	70	1	-46.904187396131	-24.2323104066	VS	70	1
-46.88717654466	-24.238606843325	VS	100	1	-46.86943985787	-24.229837593309	VS	100	1
-46.886973542363	-24.238543867979	VS	100	1	-46.901552088479	-24.236972387472	VS	100	1
-46.886886700878	-24.238418820763	VS	100	1	-46.855691428077	-24.21590374135	VS	100	1
-46.886705336456	-24.238971373193	VS	100	1	-46.762240444939	-24.167131835635	VS	100	1
-46.886667287399	-24.238761413112	VS	100	1	-46.878740335988	-24.227410763453	VS	100	1
-46.886589418893	-24.238223022514	VS	100	1	-46.870704854577	-24.220728854092	VS	70	1
-46.886483880966	-24.23583512476	VS	100	1	-46.778354154518	-24.17680632479	VS	100	1
-46.886409175723	-24.236493109035	VS	100	1	-46.778055841453	-24.176639104186	VS	100	1
-46.886428960175	-24.235635518741	VS	100	1	-46.762445571887	-24.172319289512	VS	100	1
-46.886411093566	-24.238770337042	VS	100	1	-46.730680939342	-24.154801074541	VS	100	1
-46.745862452346	-24.162251255612	VS	100	1	-46.72953967537	-24.154195859106	VS	100	1
-46.745678159584	-24.163237057562	VS	100	1	-46.726180619378	-24.15131532165	VS	100	1
-46.745637138977	-24.162124036787	VS	100	1	-46.729676365362	-24.153459659606	VS	100	1
-46.745581278231	-24.163215923223	VS	100	1	-46.72949138754	-24.154106659942	VS	100	1
-46.745397645944	-24.161989750076	VS	100	1	-46.72887248603	-24.153845297659	VS	100	1
-46.745290585904	-24.163034677675	VS	100	1	-46.72915557833	-24.153997868456	VS	100	1
-46.745229491728	-24.162936857011	VS	100	1	-46.728602193063	-24.153693130414	VS	100	1
-46.74508805237	-24.161935472728	VS	100	1	-46.84381861474	-24.21192087572	VS	70	1
-46.74491687067	-24.161962514057	VS	100	1	-46.728305990075	-24.1535298054	VS	100	1
-46.744913908649	-24.16184364387	VS	100	1	-46.728120024724	-24.153404280591	VS	100	1
-46.79481264884	-24.161709860856	VS	70	1	-46.727714988867	-24.153201759846	VS	100	1
-46.7943044559	-24.162070263122	VS	70	1	-46.726370172893	-24.152382380551	VS	100	1
-46.7940791717	-24.161982033323	VS	70	1	-46.726157933756	-24.151907639281	VS	100	1
-46.793993414891	-24.162283092243	VS	70	1	-46.726003371293	-24.151444613321	VS	100	1
-46.793847965967	-24.161702919028	VS	70	1	-46.72579943041	-24.15159860593	VS	100	1
-46.793778897951	-24.161613323505	VS	70	1	-46.725455999635	-24.151850574726	VS	100	1
-46.793697773504	-24.16249164873	VS	70	1	-46.725320116464	-24.151872184613	VS	100	1
-46.793540700927	-24.161621593296	VS	70	1	-46.725064220552	-24.151291008775	VS	100	1
-46.793443341302	-24.162678704162	VS	70	1	-46.725060353283	-24.150996424852	VS	100	1
-46.793227351382	-24.161836502824	VS	70	1	-46.843342336642	-24.211384900847	VS	70	1
-46.793269870002	-24.163948180296	VS	70	1	-46.842713784434	-24.211115769838	VS	70	1
-46.886309934495	-24.238037948358	VS	100	1	-46.842269968318	-24.211440398153	VS	70	1
-46.886179808055	-24.236352175028	VS	100	1	-46.841294574534	-24.21233263358	VS	70	1
-46.886149973529	-24.235659307158	VS	100	1	-46.841102856625	-24.212111326841	VS	70	1
-46.886107971988	-24.23585522525	VS	100	1	-46.841070440826	-24.212273803928	VS	70	1
-46.885871499238	-24.235518774541	VS	100	1	-46.724479257658	-24.151421080472	VS	100	1
-46.885848641614	-24.236046936184	VS	100	1	-46.724359298998	-24.151411222398	VS	100	1
-46.885871944577	-24.238417684121	VS	100	1	-46.724161996594	-24.151306516097	VS	100	1
-46.885587234315	-24.236214263889	VS	100	1	-46.725978804886	-24.150945585518	VS	100	1
-46.885593025328	-24.235378250501	VS	100	1	-46.726615044595	-24.151253890704	VS	100	1
-46.744646708716	-24.162160742116	VS	100	1	-46.726932611709	-24.151412137892	VS	100	1
-46.743914067019	-24.161517228571	VS	100	1	-46.727200877843	-24.151552981398	VS	100	1
-46.743748438629	-24.162042904959	VS	100	1	-46.729047525454	-24.152317583635	VS	100	1
-46.743577931127	-24.160205617994	VS	100	1	-46.728785357073	-24.152183810708	VS	100	1
-46.743562935444	-24.161334101839	VS	100	1	-46.840434805864	-24.212200453809	VS	70	1
-46.743379284749	-24.160524567006	VS	100	1	-46.72831736606	-24.152740220719	VS	100	1
-46.743253635699	-24.160720647395	VS	100	1	-46.728025729653	-24.152565528976	VS	100	1
-46.743261479595	-24.161787643997	VS	100	1	-46.727435056454	-24.152240467137	VS	100	1
-46.743226738461	-24.16115428582	VS	100	1	-46.728647355601	-24.152905033882	VS	70	1
-46.793142934894	-24.162892870805	VS	70	1	-46.728992203678	-24.153089258327	VS	100	1
-46.793030125452	-24.161971872484	VS	70	1	-46.729331407292	-24.153276019417	VS	100	1
-46.792954327075	-24.163888090797	VS	70	1	-46.729749987815	-24.153920477435	VS	100	1
-46.792946477813	-24.163027810609	VS	70	1	-46.730233185104	-24.153784954963	VS	100	1
-46.792788598398	-24.162134291512	VS	70	1	-46.730574447669	-24.153962224146	VS	100	1
-46.792619146473	-24.163828143289	VS	70	1	-46.730907631885	-24.154149913349	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.792598559345	-24.163276988048	VS	70	1	-46.731246706925	-24.154335107498	VS	100	1
-46.792508459276	-24.162323763574	VS	70	1	-46.843547281241	-24.211885698312	VS	70	1
-46.792338911584	-24.163785698347	VS	70	1	-46.843345154699	-24.212245616561	VS	70	1
-46.792280875856	-24.163485446133	VS	70	1	-46.84330570074	-24.212048192862	VS	70	1
-46.792219144917	-24.162540073998	VS	70	1	-46.843234954037	-24.211263682277	VS	70	1
-46.827875426403	-24.202612428712	VS	100	1	-46.842997190599	-24.211853520965	VS	70	1
-46.743114430736	-24.160943232697	VS	100	1	-46.843074083642	-24.212210517547	VS	70	1
-46.742960233723	-24.161177569536	VS	100	1	-46.842945540417	-24.210953350149	VS	70	1
-46.742938182994	-24.160995634908	VS	100	1	-46.842755757296	-24.21157472228	VS	70	1
-46.742916599658	-24.16161511237	VS	100	1	-46.842853069303	-24.212359959067	VS	70	1
-46.742808701878	-24.161419806046	VS	100	1	-46.833829394193	-24.201958980034	VS	70	1
-46.742600455557	-24.16080633576	VS	100	1	-46.731408843223	-24.154431932453	VS	100	1
-46.742655171039	-24.161470724289	VS	100	1	-46.731686562113	-24.154571925259	VS	100	1
-46.74575785249	-24.161143057824	VS	100	1	-46.730240965557	-24.153580191553	VS	100	1
-46.746085576346	-24.161226860807	VS	100	1	-46.730632570168	-24.153407499206	VS	100	1
-46.792106285429	-24.163742684189	VS	70	1	-46.730499829439	-24.153386027324	VS	100	1
-46.791948813263	-24.162729473223	VS	70	1	-46.730920287138	-24.153566408021	VS	100	1
-46.791955225671	-24.163748273973	VS	70	1	-46.731227421157	-24.15372320102	VS	100	1
-46.791645486051	-24.162941247845	VS	70	1	-46.731516758901	-24.153891908877	VS	100	1
-46.793865925736	-24.16138852856	VS	70	1	-46.731815539838	-24.154067101467	VS	100	1
-46.88391746536	-24.23746123601	VS	100	1	-46.73211419563	-24.154217443766	VS	100	1
-46.791558733928	-24.162116438013	VS	70	1	-46.730901754542	-24.153301730311	VS	100	1
-46.791880051689	-24.161900156719	VS	70	1	-46.73119989119	-24.153460200402	VS	100	1
-46.792063940984	-24.161885529481	VS	70	1	-46.830946438363	-24.194093777332	VS	100	1
-46.746315924047	-24.161351875451	VS	100	1	-46.842688859891	-24.211501223796	VS	70	1
-46.746555240474	-24.161478456558	VS	100	1	-46.84265016695	-24.212340202148	VS	70	1
-46.745796994978	-24.161322612073	VS	100	1	-46.842401785893	-24.212055884378	VS	70	1
-46.745563526256	-24.161493883215	VS	100	1	-46.842240248348	-24.209794919989	VS	70	1
-46.746103642173	-24.161097579067	VS	100	1	-46.842177689723	-24.211799928007	VS	70	1
-46.746412838331	-24.160884237429	VS	100	1	-46.841958606018	-24.211587881926	VS	70	1
-46.746625189424	-24.160736942007	VS	100	1	-46.841890008357	-24.209623728742	VS	70	1
-46.747044753939	-24.160632721239	VS	100	1	-46.841683695116	-24.211757135049	VS	70	1
-46.745437843164	-24.162614164802	VS	100	1	-46.841685764633	-24.210491187603	VS	70	1
-46.747031699459	-24.164012791693	VS	100	1	-46.841631448997	-24.209483057062	VS	70	1
-46.746764770542	-24.16386773316	VS	100	1	-46.731488424642	-24.153627668634	VS	100	1
-46.74351979364	-24.161919638058	VS	100	1	-46.73178676704	-24.153795059667	VS	100	1
-46.744996390815	-24.162892082137	VS	70	1	-46.732075088154	-24.153953604822	VS	100	1
-46.792159861765	-24.161701841234	VS	70	1	-46.732403089731	-24.15412970528	VS	100	1
-46.792381760352	-24.1615395751	VS	70	1	-46.730868876545	-24.153138307437	VS	100	1
-46.792705342655	-24.160355624197	VS	70	1	-46.731289755108	-24.152974853935	VS	100	1
-46.792595739314	-24.161387160434	VS	70	1	-46.73112964499	-24.152958006793	VS	100	1
-46.792864584228	-24.161205814747	VS	70	1	-46.731568470415	-24.153142380325	VS	100	1
-46.793055125948	-24.161058801439	VS	70	1	-46.731867025884	-24.153318693234	VS	100	1
-46.793367988534	-24.16084040754	VS	70	1	-46.732155141977	-24.153468316213	VS	100	1
-46.8326958914	-24.186911235077	VS	70	1	-46.732463372536	-24.15364446647	VS	100	1
-46.793390008708	-24.16116625234	VS	70	1	-46.841501502461	-24.211664957258	VS	70	1
-46.883647290698	-24.237659717577	VS	100	1	-46.841411369334	-24.211917910974	VS	70	1
-46.88290817742	-24.236211782594	VS	100	1	-46.841387418242	-24.21035056337	VS	70	1
-46.88270152487	-24.236282417269	VS	100	1	-46.841304227522	-24.20932082501	VS	70	1
-46.882522035323	-24.235830553785	VS	100	1	-46.841289277613	-24.211416762816	VS	70	1
-46.744718975827	-24.162731238965	VS	70	1	-46.841273940809	-24.212124291936	VS	70	1
-46.742884653021	-24.161303024907	VS	100	1	-46.841111996136	-24.210435834234	VS	70	1
-46.746444583157	-24.159837420466	VS	100	1	-46.841059211604	-24.210183507052	VS	70	1
-46.755060608343	-24.161527632253	VS	100	1	-46.841077053268	-24.21116857719	VS	70	1
-46.755409422178	-24.161544856097	VS	100	1	-46.841014936266	-24.20917541699	VS	70	1
-46.757577640745	-24.161444068863	VS	100	1	-46.840890843258	-24.211872054609	VS	70	1
-46.759829645786	-24.162631129148	VS	100	1	-46.730100175686	-24.15223911854	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.754940983125	-24.161704878414	VS	100	1	-46.72985567665	-24.15210637457	VS	100	1
-46.754871281895	-24.161823427761	VS	100	1	-46.72969610308	-24.152102964911	VS	100	1
-46.754566235629	-24.161696928656	VS	100	1	-46.730016572083	-24.151905416602	VS	100	1
-46.754374506544	-24.161587553353	VS	100	1	-46.729533551524	-24.151911628317	VS	100	1
-46.754195294862	-24.161415616603	VS	100	1	-46.729158442696	-24.151687619755	VS	100	1
-46.793691318983	-24.160631777622	VS	70	1	-46.840839649071	-24.212440285819	VS	70	1
-46.79411651387	-24.161209516191	VS	70	1	-46.840731322826	-24.21002544791	VS	70	1
-46.794333126253	-24.161060624565	VS	70	1	-46.840636677013	-24.212422084103	VS	70	1
-46.79457815492	-24.160885100148	VS	70	1	-46.840411330555	-24.209486725875	VS	70	1
-46.794796679226	-24.160727316832	VS	70	1	-46.840403445057	-24.209867379427	VS	70	1
-46.795145248659	-24.160487004584	VS	70	1	-46.840269663182	-24.209719822174	VS	70	1
-46.795440102312	-24.160278278474	VS	70	1	-46.840233481615	-24.211996789431	VS	70	1
-46.795677100181	-24.160114133601	VS	70	1	-46.840056502092	-24.209965794066	VS	70	1
-46.7959383765	-24.159923367552	VS	70	1	-46.840045647238	-24.209691685727	VS	70	1
-46.79622600906	-24.159734906237	VS	70	1	-46.731039037788	-24.15172242203	VS	100	1
-46.887074119052	-24.240033247144	VS	100	1	-46.730765612085	-24.151576734214	VS	100	1
-46.882344639716	-24.236608284721	VS	100	1	-46.731587573128	-24.152012265885	VS	100	1
-46.882289384028	-24.236929377976	VS	100	1	-46.731861799564	-24.152153142632	VS	100	1
-46.88196225165	-24.236236605513	VS	100	1	-46.732137301524	-24.152308262867	VS	100	1
-46.886717178347	-24.235958131649	VS	70	1	-46.730797489015	-24.151270222776	VS	100	1
-46.887989972895	-24.236590383582	VS	70	1	-46.732424617306	-24.150940273402	VS	100	1
-46.887025550224	-24.236116269896	VS	70	1	-46.732163883043	-24.150802029734	VS	100	1
-46.887323892672	-24.236265570467	VS	70	1	-46.839835855109	-24.210181663225	VS	70	1
-46.887661957147	-24.236432400671	VS	70	1	-46.839727584257	-24.209533550852	VS	70	1
-46.888648532162	-24.23731310519	VS	100	1	-46.839409522433	-24.209375406406	VS	70	1
-46.754104055307	-24.161441579769	VS	100	1	-46.839346574838	-24.209211393579	VS	70	1
-46.754364940318	-24.161157805646	VS	100	1	-46.839190207943	-24.209495009674	VS	70	1
-46.754603916903	-24.161113341064	VS	100	1	-46.731689608197	-24.15255659541	VS	100	1
-46.754489821501	-24.160954480366	VS	100	1	-46.731414583749	-24.152747857025	VS	100	1
-46.754275732208	-24.160928398081	VS	100	1	-46.765187240968	-24.170354037323	VS	100	1
-46.755188834397	-24.161906098884	VS	100	1	-46.76495570359	-24.170525257868	VS	100	1
-46.755081045385	-24.161368609236	VS	100	1	-46.764502115029	-24.170849705037	VS	100	1
-46.754902087587	-24.161271770569	VS	100	1	-46.764230697524	-24.17103968509	VS	100	1
-46.755202834368	-24.161303161566	VS	100	1	-46.765195855544	-24.170255718491	VS	100	1
-46.755429312243	-24.161155128583	VS	100	1	-46.764986237897	-24.170129718784	VS	100	1
-46.796009947737	-24.159656752429	VS	70	1	-46.764780589302	-24.170025169144	VS	100	1
-46.794250921602	-24.160220342629	VS	70	1	-46.83910141877	-24.209226054102	VS	70	1
-46.794584718619	-24.159985511009	VS	70	1	-46.839029766345	-24.209763943948	VS	70	1
-46.794804978592	-24.159830480178	VS	70	1	-46.838091321008	-24.209530395599	VS	70	1
-46.795069334827	-24.159641694073	VS	70	1	-46.838076084787	-24.209818909593	VS	70	1
-46.79535204139	-24.159448843009	VS	70	1	-46.837909725112	-24.209850898758	VS	70	1
-46.796964949005	-24.160757114646	VS	70	1	-46.837807678131	-24.209678295863	VS	70	1
-46.797173342318	-24.161002110337	VS	70	1	-46.764456687231	-24.169847143067	VS	100	1
-46.797375128675	-24.161232552237	VS	70	1	-46.764688284788	-24.170032653709	VS	100	1
-46.797560935586	-24.161449579183	VS	70	1	-46.764464321264	-24.170187008673	VS	100	1
-46.798152910452	-24.159957254946	VS	70	1	-46.764222964183	-24.170358297421	VS	100	1
-46.756358466304	-24.161430681757	VS	100	1	-46.764001069724	-24.17052048057	VS	100	1
-46.755737456262	-24.161729702615	VS	100	1	-46.763740207992	-24.170700899418	VS	100	1
-46.756035228332	-24.161870286375	VS	100	1	-46.763874085726	-24.171055907789	VS	100	1
-46.756373314272	-24.162055195469	VS	100	1	-46.763679761365	-24.170959560327	VS	100	1
-46.756711391452	-24.16224010367	VS	100	1	-46.763971144576	-24.171228344844	VS	100	1
-46.754639048886	-24.160709677102	VS	100	1	-46.763462989192	-24.170906719227	VS	100	1
-46.754800016902	-24.160458664658	VS	100	1	-46.763392146152	-24.170801546459	VS	100	1
-46.754549388643	-24.160462460442	VS	100	1	-46.763074667197	-24.170357646525	VS	100	1
-46.754979542515	-24.160162929389	VS	100	1	-46.762897584014	-24.172965242144	VS	100	1
-46.754890092421	-24.160017368713	VS	100	1	-46.837619709782	-24.210040531118	VS	70	1
-46.754592110467	-24.159867861103	VS	100	1	-46.837536226468	-24.209530376452	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.755083457419	-24.159992709959	VS	100	1	-46.837513162474	-24.210558458321	VS	70	1
-46.798354527091	-24.160178801251	VS	70	1	-46.837389554074	-24.211424490769	VS	70	1
-46.798546117564	-24.160400169935	VS	70	1	-46.837319870872	-24.210230227507	VS	70	1
-46.798371579217	-24.160396977552	VS	70	1	-46.837256189062	-24.20939558349	VS	70	1
-46.798641657088	-24.160207711502	VS	70	1	-46.837229644184	-24.210414265152	VS	70	1
-46.79807224018	-24.160604459134	VS	70	1	-46.83711381803	-24.210457256898	VS	70	1
-46.797772910325	-24.160811931251	VS	70	1	-46.837107558466	-24.211266688457	VS	70	1
-46.797463978859	-24.161028405997	VS	70	1	-46.836992483242	-24.209265240324	VS	70	1
-46.797145267662	-24.16124492565	VS	70	1	-46.837016705043	-24.210758928553	VS	70	1
-46.796884555202	-24.161425341015	VS	70	1	-46.762718882435	-24.172802044842	VS	100	1
-46.797838432513	-24.161498447975	VS	70	1	-46.762446327234	-24.17258437731	VS	100	1
-46.798108535725	-24.161300113982	VS	70	1	-46.763856598653	-24.169805482881	VS	100	1
-46.798417466749	-24.161083646879	VS	70	1	-46.727321612594	-24.152975773827	VS	100	1
-46.79662383222	-24.161605755556	VS	70	1	-46.727110463879	-24.152862442457	VS	100	1
-46.893507431884	-24.230388085556	VS	100	1	-46.726724249768	-24.152186567117	VS	100	1
-46.891365982002	-24.231966778794	VS	100	1	-46.726367230381	-24.151148581418	VS	100	1
-46.89059407121	-24.23253523614	VS	100	1	-46.728504584126	-24.15293165524	VS	70	1
-46.893237742178	-24.230595346717	VS	100	1	-46.731853913941	-24.151510308118	VS	70	1
-46.892977186487	-24.230784848116	VS	100	1	-46.728305013307	-24.153081284212	VS	70	1
-46.892962142179	-24.230952221273	VS	100	1	-46.851355290515	-24.211643905947	VS	70	1
-46.892716425196	-24.230965426071	VS	100	1	-46.851063000265	-24.211850102636	VS	70	1
-46.892683228677	-24.230793854902	VS	100	1	-46.850972763775	-24.212042553349	VS	70	1
-46.892446491779	-24.23117285027	VS	100	1	-46.850791321682	-24.212036980306	VS	70	1
-46.754221343684	-24.160286401703	VS	100	1	-46.850710814034	-24.212231039693	VS	70	1
-46.755217973706	-24.160193340327	VS	100	1	-46.850483965525	-24.212257524128	VS	70	1
-46.755577490054	-24.16037867664	VS	100	1	-46.72805575229	-24.153296214526	VS	70	1
-46.757682740931	-24.15967457785	VS	100	1	-46.728767197611	-24.152748832352	VS	70	1
-46.797715846633	-24.190041347557	VS	250	1	-46.729095740465	-24.152545544599	VS	70	1
-46.797781623903	-24.190779649679	VS	250	1	-46.729522186377	-24.152220192698	VS	100	1
-46.797774702266	-24.190839008094	VS	250	1	-46.729372429576	-24.152339476959	VS	100	1
-46.79776222339	-24.191152711974	VS	250	1	-46.727248953722	-24.151788259088	VS	70	1
-46.797730147258	-24.189818258027	VS	250	1	-46.726984612772	-24.151988439418	VS	70	1
-46.755797728712	-24.159856288636	VS	100	1	-46.731593558495	-24.151708436353	VS	70	1
-46.799227416127	-24.160510799536	VS	70	1	-46.732124076552	-24.151312102518	VS	100	1
-46.799525136553	-24.160297780133	VS	70	1	-46.724857827228	-24.151149527281	VS	70	1
-46.799843344684	-24.160080835162	VS	70	1	-46.767826639081	-24.169148468749	VS	100	1
-46.800242359646	-24.159825897974	VS	70	1	-46.767665079865	-24.169273973781	VS	100	1
-46.800229956366	-24.159991862669	VS	70	1	-46.76727747316	-24.169572415569	VS	100	1
-46.799025765978	-24.160659669861	VS	70	1	-46.851473655255	-24.211814458519	VS	70	1
-46.798748153358	-24.160639551775	VS	70	1	-46.850173043801	-24.212079200361	VS	70	1
-46.798726406883	-24.160867170262	VS	70	1	-46.849973131082	-24.211850592866	VS	70	1
-46.798929944571	-24.160852337163	VS	70	1	-46.849798290081	-24.211647653421	VS	70	1
-46.799111707505	-24.161065103584	VS	70	1	-46.849791811138	-24.210308180014	VS	70	1
-46.787144451531	-24.117091952287	VS	100	1	-46.849571659592	-24.211655938781	VS	70	1
-46.786805783161	-24.116880353738	VS	100	1	-46.849960504596	-24.210755092793	VS	70	1
-46.786517016558	-24.116704077764	VS	100	1	-46.76643968812	-24.170175218841	VS	100	1
-46.892433996537	-24.230644170763	VS	100	1	-46.76615511919	-24.170284814652	VS	100	1
-46.89216490961	-24.230485726534	VS	100	1	-46.765867134197	-24.170144168092	VS	100	1
-46.892176668176	-24.231380195711	VS	100	1	-46.765514412039	-24.169996951228	VS	100	1
-46.891935533837	-24.230344810492	VS	100	1	-46.764903512285	-24.168428997453	VS	100	1
-46.891906518435	-24.231578695558	VS	100	1	-46.769484166331	-24.171604367087	VS	100	1
-46.891645613105	-24.231759375624	VS	100	1	-46.769280955244	-24.169972698032	VS	100	1
-46.891406388784	-24.231377306883	VS	100	1	-46.769264119133	-24.170904112122	VS	100	1
-46.890825576305	-24.232363843723	VS	100	1	-46.769197839333	-24.170181966963	VS	100	1
-46.890314091122	-24.232733818414	VS	100	1	-46.76920501332	-24.171929655567	VS	100	1
-46.785889556764	-24.116316182332	VS	100	1	-46.769189059418	-24.171825036669	VS	100	1
-46.785640471214	-24.116157446254	VS	100	1	-46.850715490374	-24.210859555566	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.785433909441	-24.11604181742	VS	100	1	-46.848807943471	-24.211550194686	VS	70	1
-46.785401779797	-24.116119348719	VS	100	1	-46.848412014612	-24.212151036092	VS	70	1
-46.785220909602	-24.116352691083	VS	100	1	-46.847371806859	-24.209223462699	VS	100	1
-46.785049853689	-24.116585673311	VS	100	1	-46.847157368125	-24.209621848229	VS	70	1
-46.784878573235	-24.116810210303	VS	100	1	-46.847120644075	-24.209394962419	VS	70	1
-46.784720855461	-24.117015350338	VS	100	1	-46.846935159894	-24.209356275486	VS	70	1
-46.784565119578	-24.11723970345	VS	100	1	-46.8468268506	-24.209607186622	VS	70	1
-46.78512468493	-24.115837728144	VS	100	1	-46.845971368341	-24.210207217553	VS	70	1
-46.888562526366	-24.234310203668	VS	100	1	-46.846444020192	-24.210564799578	VS	70	1
-46.888221086275	-24.234303390573	VS	100	1	-46.768964891063	-24.171120474621	VS	100	1
-46.888545515635	-24.233068594854	VS	100	1	-46.768908276667	-24.170389284996	VS	100	1
-46.789055532784	-24.181714436319	VS	250	1	-46.768684631729	-24.17130993812	VS	100	1
-46.78876573887	-24.181912887967	VS	250	1	-46.768618782416	-24.170596586239	VS	100	1
-46.887916648572	-24.233994353227	VS	100	1	-46.768462493017	-24.171463241081	VS	100	1
-46.887582143179	-24.233176034517	VS	100	1	-46.768348086766	-24.17077708301	VS	100	1
-46.887290195179	-24.233687014679	VS	100	1	-46.768342765042	-24.171473265247	VS	100	1
-46.89521228163	-24.231551978175	VS	100	1	-46.768106802846	-24.170948335362	VS	100	1
-46.894923108292	-24.2313758553	VS	100	1	-46.768024528162	-24.171297188442	VS	100	1
-46.894574368325	-24.231173462563	VS	100	1	-46.767845634478	-24.171128933623	VS	100	1
-46.758294906604	-24.161828827204	VS	100	1	-46.767718386954	-24.171130994858	VS	100	1
-46.75850741599	-24.161944330315	VS	100	1	-46.845787847409	-24.210333570039	VS	70	1
-46.758951825989	-24.162163659753	VS	100	1	-46.845462589216	-24.210565849076	VS	70	1
-46.75873568774	-24.162051193523	VS	100	1	-46.847649810666	-24.209019723125	VS	70	1
-46.759185764533	-24.162286971285	VS	100	1	-46.84670264471	-24.20908148596	VS	70	1
-46.759159639643	-24.16167679256	VS	100	1	-46.845746871455	-24.209758209412	VS	70	1
-46.759662272741	-24.161946236025	VS	100	1	-46.845508232957	-24.209489508208	VS	70	1
-46.759428304894	-24.161825593033	VS	100	1	-46.845142864125	-24.209959196101	VS	100	1
-46.759721279029	-24.162119409005	VS	100	1	-46.844930709326	-24.209711098369	VS	100	1
-46.759509327126	-24.162267420526	VS	100	1	-46.844708656022	-24.209463000431	VS	100	1
-46.76003497157	-24.162143659288	VS	100	1	-46.8444486613963	-24.209214884532	VS	100	1
-46.760345356083	-24.162311019973	VS	100	1	-46.846675386134	-24.2099482801	VS	70	1
-46.760823647578	-24.163159212606	VS	100	1	-46.76750119116	-24.169400080999	VS	100	1
-46.78450222656	-24.115449452205	VS	100	1	-46.767391859239	-24.170177189278	VS	100	1
-46.784107438124	-24.115202298834	VS	100	1	-46.766999365971	-24.169769662267	VS	100	1
-46.783645539027	-24.115064507688	VS	100	1	-46.766738796683	-24.169958939374	VS	100	1
-46.783579118089	-24.114885818079	VS	100	1	-46.766712467478	-24.169263248401	VS	100	1
-46.783825557302	-24.114795477376	VS	100	1	-46.766638812718	-24.168635084695	VS	100	1
-46.783444886975	-24.115325916875	VS	100	1	-46.766494153213	-24.169265147749	VS	100	1
-46.783229725973	-24.115554702193	VS	100	1	-46.766432602304	-24.169470578693	VS	100	1
-46.782840040777	-24.116084015829	VS	100	1	-46.766433718037	-24.170443375176	VS	100	1
-46.781692849941	-24.114298895778	VS	100	1	-46.766375485976	-24.168816873887	VS	100	1
-46.806996153971	-24.193777296723	VS	250	2	-46.766235608057	-24.169124283918	VS	100	1
-46.894245261181	-24.230970887232	VS	100	1	-46.766172968571	-24.168970034105	VS	100	1
-46.893896504475	-24.230768474671	VS	100	1	-46.845282336083	-24.209226546526	VS	70	1
-46.893617365339	-24.230601186488	VS	100	1	-46.84450876878	-24.209004962086	VS	70	1
-46.89407839014	-24.230178017272	VS	100	1	-46.844238178314	-24.209185537009	VS	70	1
-46.894038630188	-24.230017873194	VS	100	1	-46.843987445268	-24.2093748678	VS	70	1
-46.893778016105	-24.230207428756	VS	100	1	-46.843726888142	-24.209564281215	VS	70	1
-46.89376988909	-24.230002254125	VS	100	1	-46.841820205782	-24.208131764075	VS	70	1
-46.891646583389	-24.230177596454	VS	100	1	-46.841408927081	-24.207937201367	VS	70	1
-46.760644682331	-24.163062370767	VS	100	1	-46.76615245013	-24.169669020017	VS	100	1
-46.760376347556	-24.162921578024	VS	100	1	-46.765897780473	-24.16894836201	VS	100	1
-46.76011802857	-24.16278962852	VS	100	1	-46.76589289703	-24.16916844121	VS	100	1
-46.759639982552	-24.162525342481	VS	100	1	-46.765613055817	-24.169366691824	VS	100	1
-46.761101815439	-24.163308744002	VS	100	1	-46.76555987685	-24.168772392255	VS	100	1
-46.760975782213	-24.163261861671	VS	100	1	-46.765293822694	-24.168618254594	VS	100	1
-46.761370574014	-24.163467380218	VS	100	1	-46.764220635629	-24.168696984822	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.761214628985	-24.163510253846	VS	100	1	-46.763740636498	-24.169053304827	VS	100	1
-46.760983307268	-24.163690391551	VS	100	1	-46.763396368528	-24.168869607408	VS	100	1
-46.760712935734	-24.163879728435	VS	100	1	-46.763215318081	-24.168717543202	VS	100	1
-46.760747950552	-24.163429176888	VS	100	1	-46.76313323931	-24.168721606069	VS	100	1
-46.760574551626	-24.163552938372	VS	100	1	-46.762836701844	-24.168587225721	VS	100	1
-46.760249271396	-24.163785039106	VS	100	1	-46.841110539954	-24.207787731279	VS	70	1
-46.805002516529	-24.193817248034	VS	250	1	-46.840914423794	-24.20850890771	VS	70	1
-46.806709609173	-24.19360480481	VS	250	2	-46.840437967646	-24.208492801704	VS	70	1
-46.806268488543	-24.193325117107	VS	250	2	-46.840104106266	-24.208333252997	VS	70	1
-46.805868752382	-24.193023443421	VS	250	1	-46.839883839297	-24.208225579495	VS	70	1
-46.805942813062	-24.193122144481	VS	250	2	-46.844225933416	-24.208290021909	VS	70	1
-46.805027498007	-24.194025509657	VS	250	1	-46.843907867352	-24.208131886543	VS	70	1
-46.805043274406	-24.194128356145	VS	250	1	-46.715474194017	-24.139196869795	VS	100	1
-46.804891737171	-24.194337818067	VS	250	1	-46.715074257373	-24.140110468277	VS	100	1
-46.804715635067	-24.19455782715	VS	250	1	-46.715737562234	-24.139008914806	VS	100	1
-46.761193141537	-24.163089701672	VS	100	1	-46.715194610102	-24.139395871689	VS	100	1
-46.761512677649	-24.162294497554	VS	100	1	-46.714929208996	-24.139583759369	VS	100	1
-46.761224283602	-24.162136009472	VS	100	1	-46.71464198577	-24.139792894687	VS	100	1
-46.760925875767	-24.161968659346	VS	100	1	-46.714349981599	-24.140000136921	VS	100	1
-46.762112149019	-24.163577680385	VS	100	1	-46.714072688771	-24.140206620292	VS	100	1
-46.761248418413	-24.161493456678	VS	100	1	-46.713775978648	-24.140412638	VS	100	1
-46.760866612657	-24.16071976951	VS	100	1	-46.714055215156	-24.140723592714	VS	100	1
-46.761184645221	-24.160886971482	VS	100	1	-46.714260868425	-24.140688411988	VS	100	1
-46.760250157691	-24.1603852246	VS	100	1	-46.714350234544	-24.140890296852	VS	100	1
-46.759942358337	-24.160235796026	VS	100	1	-46.842979243507	-24.207128043153	VS	70	1
-46.759624113165	-24.160059678505	VS	100	1	-46.842645591215	-24.20766687121	VS	70	1
-46.759325918349	-24.15990124828	VS	100	1	-46.84260971148	-24.207472033714	VS	70	1
-46.805525749641	-24.193909968666	VS	250	1	-46.84243759572	-24.206282234353	VS	70	1
-46.805461452731	-24.1936824741	VS	250	1	-46.842315315862	-24.208222686828	VS	70	1
-46.805332868883	-24.193551146687	VS	250	1	-46.842163820085	-24.208455877388	VS	70	1
-46.80511774918	-24.193588455588	VS	250	1	-46.842075811572	-24.206107483107	VS	70	1
-46.804526109996	-24.194674251947	VS	250	1	-46.842145447913	-24.208294039823	VS	70	1
-46.80423145664	-24.194871841174	VS	250	1	-46.841919666771	-24.207130146131	VS	70	1
-46.806817270099	-24.193144372823	VS	100	1	-46.841883533446	-24.20688931021	VS	70	1
-46.806476031843	-24.193596175825	VS	100	1	-46.841739943359	-24.20593930921	VS	70	1
-46.80698352873	-24.194388677783	VS	100	1	-46.841716641493	-24.207173408477	VS	70	1
-46.805455639923	-24.194010447205	VS	250	1	-46.841594006684	-24.205309245716	VS	70	1
-46.7590078905	-24.15973406109	VS	100	1	-46.717605385878	-24.137666363376	VS	100	1
-46.757964053884	-24.162917965426	VS	70	1	-46.714553140783	-24.140480844105	VS	100	1
-46.757675880043	-24.162768384397	VS	70	1	-46.714784704889	-24.140316950887	VS	100	1
-46.77026123315	-24.162141900037	VS	100	1	-46.715354043798	-24.139920758179	VS	100	1
-46.758628900112	-24.163737371842	VS	70	1	-46.715631386984	-24.139712398404	VS	100	1
-46.758320880049	-24.163579016793	VS	100	1	-46.715874698069	-24.139543496468	VS	100	1
-46.843480667482	-24.213320496302	VS	70	1	-46.716043062072	-24.138783955222	VS	100	1
-46.747970150096	-24.161678977585	VS	100	1	-46.716362683361	-24.138549412004	VS	100	1
-46.748476723609	-24.161380771567	VS	100	1	-46.716657173129	-24.13834844649	VS	100	1
-46.747404667556	-24.161401360031	VS	100	1	-46.714647527602	-24.141057190656	VS	100	1
-46.750779381194	-24.164995645397	VS	100	1	-46.714945816681	-24.141219288832	VS	100	1
-46.750398792765	-24.164898664698	VS	100	1	-46.841594337641	-24.206965803156	VS	70	1
-46.849572945384	-24.212432171166	VS	100	1	-46.841575134201	-24.207406285543	VS	70	1
-46.806685208627	-24.192449745283	VS	100	1	-46.841503404554	-24.205816668417	VS	70	1
-46.80684196195	-24.194590599984	VS	100	1	-46.841413708096	-24.205605149077	VS	70	1
-46.806596564334	-24.193439547034	VS	100	1	-46.841389768149	-24.207717341351	VS	70	1
-46.806651393915	-24.194842120202	VS	100	1	-46.841266172899	-24.206801021381	VS	70	1
-46.806575911946	-24.194633746816	VS	100	1	-46.841224683411	-24.205910000977	VS	70	1
-46.806524382199	-24.192358435359	VS	100	1	-46.841073641863	-24.206161018906	VS	70	1
-46.806350793071	-24.192372295585	VS	100	1	-46.841084461584	-24.208230973656	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.806336897901	-24.194492794492	VS	100	1	-46.840941824757	-24.206393980056	VS	70	1
-46.806267061402	-24.193888012394	VS	100	1	-46.840943618921	-24.206636338327	VS	70	1
-46.806168831854	-24.192613810661	VS	100	1	-46.840808428471	-24.208691353856	VS	70	1
-46.806114778966	-24.19409148673	VS	100	1	-46.840782387764	-24.207620712637	VS	70	1
-46.805999732588	-24.192853326848	VS	100	1	-46.840752828788	-24.206698777792	VS	70	1
-46.742387557737	-24.161314055196	VS	100	1	-46.840693010053	-24.209011525369	VS	70	1
-46.742268220306	-24.16062211194	VS	100	1	-46.840600316122	-24.206475225614	VS	70	1
-46.742127651638	-24.161179779124	VS	100	1	-46.84060199645	-24.206958717733	VS	70	1
-46.74208359369	-24.160529184775	VS	100	1	-46.840434658352	-24.207453879199	VS	70	1
-46.741785639876	-24.160379645225	VS	100	1	-46.840408646016	-24.208867910073	VS	70	1
-46.741799421761	-24.160994773711	VS	100	1	-46.840272161004	-24.206308720127	VS	70	1
-46.741501037945	-24.160827398026	VS	100	1	-46.840271462101	-24.20750568523	VS	70	1
-46.741325968507	-24.160725415288	VS	100	1	-46.840126779227	-24.207304661708	VS	70	1
-46.741239523412	-24.159798332191	VS	100	1	-46.840111025774	-24.207774621348	VS	70	1
-46.741063394394	-24.160580722351	VS	100	1	-46.840123889285	-24.208742135542	VS	70	1
-46.741040761965	-24.160112027375	VS	100	1	-46.839957117032	-24.208034458164	VS	70	1
-46.806067792728	-24.194325298985	VS	100	1	-46.713796513528	-24.141169582346	VS	100	1
-46.80591501712	-24.19435150694	VS	100	1	-46.713925860246	-24.141472435461	VS	100	1
-46.8058085845	-24.194166550861	VS	100	1	-46.714232518215	-24.141638683056	VS	100	1
-46.805737190731	-24.194596290623	VS	100	1	-46.714521472569	-24.141780262416	VS	100	1
-46.805627850072	-24.192955232642	VS	100	1	-46.714819356036	-24.141929836482	VS	100	1
-46.805572575638	-24.194818222345	VS	100	1	-46.712690454138	-24.141824170126	VS	100	1
-46.805406648077	-24.192831738253	VS	100	1	-46.712660988372	-24.141720477644	VS	100	1
-46.805403435815	-24.194883368954	VS	100	1	-46.712939292915	-24.141908467932	VS	100	1
-46.805307395028	-24.192425324284	VS	100	1	-46.712433514361	-24.141577478677	VS	100	1
-46.80518227364	-24.194758874244	VS	100	1	-46.839807039297	-24.20713477878	VS	70	1
-46.805102900786	-24.192642946586	VS	100	1	-46.839650474735	-24.208691434076	VS	70	1
-46.804769261081	-24.192663319168	VS	100	1	-46.839285347885	-24.207778559005	VS	70	1
-46.883784500953	-24.231423066725	VS	100	1	-46.839033153175	-24.20765337613	VS	70	1
-46.884558899628	-24.231056385522	VS	100	1	-46.838755649616	-24.205732864815	VS	70	1
-46.8841040513	-24.230821234436	VS	100	1	-46.838803215694	-24.209076683646	VS	70	1
-46.883952628279	-24.230856436166	VS	100	1	-46.838639824141	-24.205504887225	VS	70	1
-46.883725325243	-24.230638050114	VS	100	1	-46.838595002069	-24.205992876506	VS	70	1
-46.883946434392	-24.231618078878	VS	100	1	-46.838401180428	-24.205381814724	VS	70	1
-46.8834262152	-24.230482592241	VS	100	1	-46.712287405869	-24.141550261324	VS	100	1
-46.883698940958	-24.23103531333	VS	100	1	-46.712155412923	-24.141398742921	VS	100	1
-46.883612752688	-24.231228131224	VS	100	1	-46.712571588081	-24.141325052847	VS	100	1
-46.883469116071	-24.231181845118	VS	100	1	-46.712852413072	-24.141131491775	VS	100	1
-46.740861411925	-24.160416654658	VS	100	1	-46.713360187391	-24.140950454217	VS	100	1
-46.740764352709	-24.160421675291	VS	100	1	-46.71348701076	-24.141027081205	VS	100	1
-46.740486976834	-24.160263837754	VS	100	1	-46.794665102116	-24.159327483638	VS	70	1
-46.740218665678	-24.160123012976	VS	100	1	-46.794479384171	-24.1594545905	VS	70	1
-46.739940341823	-24.159973343062	VS	70	1	-46.764654789967	-24.168288061934	VS	100	1
-46.755225834454	-24.159786463612	VS	100	1	-46.769446975452	-24.16868121605	VS	100	1
-46.739657610958	-24.159817932826	VS	100	1	-46.769392312075	-24.16813460335	VS	100	1
-46.755447218593	-24.162029312821	VS	100	1	-46.769205420314	-24.168843591864	VS	70	1
-46.759539556503	-24.162633554474	VS	70	1	-46.794165450812	-24.159667449058	VS	70	1
-46.771210577737	-24.160797680593	VS	100	1	-46.883663903995	-24.224848066056	VS	100	1
-46.755775591206	-24.162214358157	VS	70	1	-46.875993303058	-24.218009429703	VS	100	1
-46.756073785699	-24.162372786449	VS	70	1	-46.833201352972	-24.185933358605	VS	70	1
-46.758262469012	-24.163085312393	VS	70	1	-46.833008853633	-24.185731193887	VS	70	1
-46.918361279252	-24.233773184279	VS	100	1	-46.832980589808	-24.185982402119	VS	70	1
-46.716548175554	-24.145382407118	VS	100	1	-46.837136831656	-24.206703247376	VS	70	1
-46.80561961424	-24.194052212701	VS	100	1	-46.832701514335	-24.186216562965	VS	70	1
-46.807469127816	-24.192264298961	VS	100	1	-46.832412140741	-24.186460286733	VS	70	1
-46.807246394918	-24.1925626463	VS	100	1	-46.832434642276	-24.186663413654	VS	70	1
-46.807023509505	-24.192852712389	VS	100	1	-46.841235346681	-24.207970953607	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.807027398551	-24.192634048657	VS	100	1	-46.89969230351	-24.240542334407	VS	100	1
-46.806858068434	-24.192067754274	VS	100	1	-46.90011644023	-24.241011859054	VS	100	1
-46.806717267372	-24.192253892872	VS	100	1	-46.90029826869	-24.241215626524	VS	100	1
-46.806617835452	-24.191604658156	VS	100	1	-46.900069722	-24.240801990619	VS	100	1
-46.806378014788	-24.191889351924	VS	100	1	-46.769141155313	-24.168305971421	VS	100	1
-46.806173127904	-24.192144543414	VS	100	1	-46.76898453401	-24.168996029396	VS	70	1
-46.80603892269	-24.19140265845	VS	100	1	-46.768948258718	-24.168441074404	VS	100	1
-46.805966297829	-24.192012601494	VS	100	1	-46.768844700026	-24.169016260124	VS	100	1
-46.805848782452	-24.191662854118	VS	100	1	-46.768755347269	-24.168585246398	VS	100	1
-46.883167951358	-24.230353946265	VS	100	1	-46.76858572007	-24.167946815214	VS	100	1
-46.883414578621	-24.231952754252	VS	100	1	-46.768556120541	-24.168866505384	VS	100	1
-46.883272761922	-24.231775480918	VS	100	1	-46.768542745271	-24.168728149593	VS	100	1
-46.883206332908	-24.231378408668	VS	100	1	-46.768315347538	-24.16813616587	VS	100	1
-46.883121020598	-24.230650335456	VS	100	1	-46.768248738336	-24.168726126699	VS	100	1
-46.883100790035	-24.23157163055	VS	100	1	-46.768074029284	-24.168307435817	VS	100	1
-46.882804132614	-24.230861472976	VS	100	1	-46.767950862708	-24.168576716614	VS	100	1
-46.882964578129	-24.231532018898	VS	100	1	-46.767721613919	-24.16844436896	VS	100	1
-46.8829221307	-24.232295924652	VS	100	1	-46.842420252895	-24.208439022515	VS	70	1
-46.88287844699	-24.231314669951	VS	100	1	-46.839251863745	-24.207028130923	VS	100	1
-46.882770247571	-24.232109749412	VS	100	1	-46.839069117963	-24.207329508577	VS	70	1
-46.882713395235	-24.231703577474	VS	100	1	-46.839428210265	-24.206744853605	VS	100	1
-46.882608529583	-24.231923659243	VS	100	1	-46.839067275295	-24.206762333824	VS	100	1
-46.758540825726	-24.163234961601	VS	70	1	-46.838754829051	-24.206610383262	VS	100	1
-46.759126943568	-24.163542803942	VS	70	1	-46.838449941104	-24.206455167744	VS	70	1
-46.758839026712	-24.163393385252	VS	70	1	-46.840069779373	-24.205660143672	VS	100	1
-46.759415121156	-24.163692382683	VS	70	1	-46.842819693915	-24.207397403772	VS	70	1
-46.759717908952	-24.16384262023	VS	100	1	-46.843383499697	-24.208686015821	VS	100	1
-46.759254064716	-24.163095512668	VS	70	1	-46.843222825471	-24.20894606834	VS	70	1
-46.761855574611	-24.16061446907	VS	70	1	-46.767681006348	-24.167893999992	VS	100	1
-46.759715462788	-24.163194144494	VS	100	1	-46.767360733289	-24.168140472981	VS	100	1
-46.759387402487	-24.163018095005	VS	100	1	-46.767145047162	-24.168136342977	VS	70	1
-46.759387940852	-24.162891621814	VS	100	1	-46.766906583456	-24.168013195447	VS	70	1
-46.759118972866	-24.162877252474	VS	100	1	-46.766598550763	-24.167854854687	VS	100	1
-46.805688323191	-24.191854986264	VS	100	1	-46.764566588917	-24.168178854746	VS	100	1
-46.805679847984	-24.191915970545	VS	100	1	-46.764401485376	-24.168436236663	VS	100	1
-46.805487934752	-24.192174133213	VS	100	1	-46.764357122933	-24.168138768343	VS	100	1
-46.804649645731	-24.192270074722	VS	100	1	-46.764048671637	-24.16796257823	VS	100	1
-46.807290569759	-24.191769336906	VS	250	1	-46.764093789654	-24.168895684341	VS	70	1
-46.806954423834	-24.191552996087	VS	250	1	-46.837277433195	-24.207303846434	VS	100	1
-46.806686056679	-24.191393718033	VS	250	1	-46.836969414149	-24.207154546983	VS	100	1
-46.806290758693	-24.191160418655	VS	250	1	-46.836941500872	-24.207524760374	VS	100	1
-46.80602593093	-24.190917452426	VS	250	1	-46.843619550295	-24.207982479867	VS	70	1
-46.805736714603	-24.190732227525	VS	250	1	-46.83996534978	-24.206159396582	VS	70	1
-46.805457481107	-24.190555824433	VS	250	1	-46.839503136289	-24.20894353377	VS	70	1
-46.805178364494	-24.190379478225	VS	250	1	-46.839464452235	-24.204805444344	VS	70	1
-46.804888815549	-24.190220379853	VS	250	1	-46.840607619881	-24.20475472837	VS	70	1
-46.88246225157	-24.231875118587	VS	100	1	-46.840424055758	-24.205065471839	VS	70	1
-46.882462678237	-24.23175415634	VS	100	1	-46.841085364148	-24.204307996011	VS	100	1
-46.882308268026	-24.23249718432	VS	100	1	-46.840753715478	-24.204144768595	VS	70	1
-46.88222067863	-24.232037676675	VS	100	1	-46.840417709544	-24.203976507571	VS	70	1
-46.882105965816	-24.232257869836	VS	100	1	-46.763684059869	-24.167986530599	VS	100	1
-46.881969493826	-24.232209233742	VS	100	1	-46.763551719288	-24.16820162938	VS	100	1
-46.881987620496	-24.234987315322	VS	100	1	-46.763390559187	-24.16844370305	VS	100	1
-46.881913404284	-24.232018377309	VS	100	1	-46.768665096521	-24.169656146938	VS	100	1
-46.881786814121	-24.231568226739	VS	100	1	-46.768463669702	-24.169551620221	VS	100	1
-46.881711103225	-24.231779071497	VS	100	1	-46.768038757473	-24.169321694851	VS	100	1
-46.758810747987	-24.162709976498	VS	100	1	-46.768757672181	-24.169828240553	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.761795542242	-24.161801735791	VS	70	1	-46.768583757438	-24.169945505495	VS	100	1
-46.762067841692	-24.165145760726	VS	100	1	-46.768322992932	-24.17012586368	VS	100	1
-46.761956874622	-24.16759798139	VS	100	1	-46.768033192402	-24.170324283887	VS	100	1
-46.762200294044	-24.168243861595	VS	100	1	-46.767772632907	-24.170513563087	VS	100	1
-46.75416442738	-24.156900724958	VS	100	1	-46.767530871415	-24.170676065088	VS	100	1
-46.753934328416	-24.158265641664	VS	100	1	-46.767308883661	-24.170829262338	VS	100	1
-46.753845150836	-24.157414967107	VS	100	1	-46.839753591738	-24.203649125475	VS	70	1
-46.753616985064	-24.158099815758	VS	100	1	-46.837854406103	-24.204857648032	VS	70	1
-46.753403977924	-24.158115676047	VS	100	1	-46.836890103723	-24.204617230653	VS	70	1
-46.7532564932	-24.157304017671	VS	100	1	-46.837037094289	-24.204189967621	VS	70	1
-46.753125251013	-24.158562123105	VS	100	1	-46.837208921476	-24.203897841641	VS	70	1
-46.804590421544	-24.190053184279	VS	250	1	-46.851309836303	-24.207126812958	VS	70	1
-46.80428144819	-24.189903223351	VS	250	1	-46.851107853018	-24.206896401878	VS	70	1
-46.778304820846	-24.150741556749	VS	100	1	-46.851080248752	-24.206028557613	VS	70	1
-46.777416632534	-24.151379422338	VS	100	1	-46.851039888745	-24.206607137282	VS	70	1
-46.778073120652	-24.150903873376	VS	100	1	-46.851032286239	-24.207703330858	VS	70	1
-46.777873456883	-24.151167187857	VS	100	1	-46.930465865209	-24.217537149538	VS	100	1
-46.777842343701	-24.151064989036	VS	100	1	-46.767234881507	-24.17086811769	VS	100	1
-46.778171662057	-24.15132558216	VS	100	1	-46.766980099453	-24.170724771846	VS	100	1
-46.777618360286	-24.151239689909	VS	100	1	-46.76673870402	-24.170604273768	VS	100	1
-46.777324775769	-24.151524724514	VS	100	1	-46.766831944222	-24.170573833224	VS	100	1
-46.777196755684	-24.151535600847	VS	100	1	-46.767102324269	-24.170384486269	VS	100	1
-46.776991479312	-24.151680129754	VS	100	1	-46.767633428489	-24.169996677889	VS	100	1
-46.881717574616	-24.234845723756	VS	100	1	-46.767893594263	-24.169807685401	VS	100	1
-46.752974913012	-24.158804576907	VS	100	1	-46.768173574425	-24.169609334977	VS	100	1
-46.752557177789	-24.157454458788	VS	70	1	-46.717409610742	-24.146149127563	VS	100	1
-46.873594757637	-24.226238170187	VS	100	1	-46.717554049691	-24.146619158003	VS	100	1
-46.75525202132	-24.157750758579	VS	100	1	-46.717411949473	-24.146843339043	VS	100	1
-46.755155871002	-24.158298800857	VS	100	1	-46.850813300128	-24.207440366715	VS	70	1
-46.755168138328	-24.158917751732	VS	100	1	-46.850596528807	-24.208078400483	VS	70	1
-46.755106552232	-24.159530523976	VS	100	1	-46.850233630043	-24.208553841794	VS	70	1
-46.754932783237	-24.157577733268	VS	100	1	-46.850121799128	-24.207527728029	VS	70	1
-46.754902262262	-24.157850837133	VS	100	1	-46.848773038157	-24.208214621981	VS	70	1
-46.754837853983	-24.15813159721	VS	100	1	-46.847505749439	-24.208240675268	VS	70	1
-46.75485012018	-24.158750538897	VS	100	1	-46.846480231575	-24.208815618629	VS	70	1
-46.867370287976	-24.227067987629	VS	100	1	-46.846247845022	-24.208549640941	VS	70	1
-46.718176411191	-24.137233413895	VS	100	1	-46.845818315682	-24.208009541181	VS	70	1
-46.719178837065	-24.136494450454	VS	100	1	-46.717269603255	-24.147058687065	VS	100	1
-46.718939432628	-24.136665226589	VS	100	1	-46.717096248694	-24.147091930025	VS	100	1
-46.718689125311	-24.136863913692	VS	100	1	-46.716788214996	-24.146933436889	VS	100	1
-46.718423044686	-24.137045091275	VS	100	1	-46.717255442444	-24.14667682757	VS	100	1
-46.777056270969	-24.151375067735	VS	100	1	-46.716576540161	-24.144478139089	VS	100	1
-46.776738440835	-24.151216830521	VS	100	1	-46.84690740757	-24.208488186112	VS	70	1
-46.777535556057	-24.150991239106	VS	100	1	-46.849224593508	-24.207384318747	VS	70	1
-46.778739991899	-24.153963135695	VS	100	1	-46.851496100799	-24.208251223717	VS	70	1
-46.778416243203	-24.154193674544	VS	100	1	-46.848105164753	-24.206982564069	VS	70	1
-46.778136303997	-24.15439204171	VS	100	1	-46.84504000232	-24.208951820194	VS	70	1
-46.777856373773	-24.154590408507	VS	100	1	-46.851410221983	-24.215037509618	VS	70	1
-46.803973291019	-24.189762570736	VS	250	1	-46.850472322786	-24.214470770848	VS	70	1
-46.803645718911	-24.189613348969	VS	250	1	-46.850286623226	-24.21478899747	VS	70	1
-46.754808159604	-24.159363172746	VS	100	1	-46.849277078556	-24.215311961939	VS	70	1
-46.754713384668	-24.158164433196	VS	100	1	-46.849055820858	-24.215461333942	VS	70	1
-46.754571777799	-24.158600884811	VS	100	1	-46.716198827528	-24.144275549379	VS	100	1
-46.754545384527	-24.15841159857	VS	100	1	-46.715888053495	-24.144108143301	VS	100	1
-46.75450001481	-24.157955627287	VS	100	1	-46.715592408256	-24.143940783461	VS	100	1
-46.754510188988	-24.159213665464	VS	100	1	-46.71551602559	-24.143942503072	VS	100	1
-46.754400430527	-24.158630709765	VS	100	1	-46.715114739888	-24.144239340083	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.754287947706	-24.158457631576	VS	100	1	-46.714961405937	-24.144346861412	VS	100	1
-46.754258475023	-24.15885479978	VS	100	1	-46.714682105807	-24.144539909878	VS	100	1
-46.754172181766	-24.157788482369	VS	100	1	-46.714640892942	-24.144721957788	VS	100	1
-46.754097529104	-24.159105785346	VS	100	1	-46.71437246128	-24.144761367544	VS	100	1
-46.80334215044	-24.18949077238	VS	250	1	-46.714092475127	-24.144959606208	VS	100	1
-46.803022843741	-24.189384188061	VS	250	1	-46.714409163352	-24.144456144291	VS	100	1
-46.802692995685	-24.189280476911	VS	250	1	-46.714167927471	-24.144174367658	VS	100	1
-46.80236703285	-24.189158407779	VS	250	1	-46.713793559697	-24.145180390635	VS	100	1
-46.802061100128	-24.189031877803	VS	250	1	-46.848112101106	-24.216135809724	VS	70	1
-46.801614064795	-24.18887851768	VS	250	1	-46.847905987144	-24.21627740657	VS	70	1
-46.801382634081	-24.188857183581	VS	250	1	-46.835911147426	-24.157825430789	VS	100	1
-46.801155652473	-24.18885363398	VS	250	1	-46.846950311956	-24.216963042894	VS	70	1
-46.800808758976	-24.18890984078	VS	250	1	-46.835650796832	-24.157613312682	VS	100	1
-46.800472138348	-24.188965978659	VS	250	1	-46.835410037426	-24.157400999581	VS	100	1
-46.800133899663	-24.189021998966	VS	250	1	-46.846079253732	-24.215575240722	VS	70	1
-46.799782955564	-24.189051260336	VS	250	1	-46.845901454724	-24.216137122547	VS	70	1
-46.75394879415	-24.157066864729	VS	100	1	-46.851140738693	-24.214721945589	VS	70	1
-46.754005520591	-24.159559711542	VS	100	1	-46.850925074324	-24.21445840384	VS	70	1
-46.753983116064	-24.158923051601	VS	100	1	-46.850742986518	-24.214276275031	VS	70	1
-46.753928066489	-24.159370624456	VS	100	1	-46.835149900186	-24.15719779457	VS	100	1
-46.753910199997	-24.157647199094	VS	100	1	-46.834909401654	-24.156994441001	VS	100	1
-46.75370046077	-24.157640062277	VS	100	1	-46.834658719513	-24.156773371433	VS	100	1
-46.753738613361	-24.15878886349	VS	100	1	-46.834378312537	-24.156543563434	VS	100	1
-46.753639281365	-24.156909146061	VS	100	1	-46.712599691857	-24.144494720689	VS	100	1
-46.753687172057	-24.159383498585	VS	100	1	-46.921534038684	-24.231693023437	VS	100	1
-46.753563420655	-24.157470978109	VS	100	1	-46.71378658683	-24.145255300123	VS	100	1
-46.753554747554	-24.157873486098	VS	100	1	-46.713526020513	-24.145108963932	VS	100	1
-46.753475076076	-24.158650006174	VS	70	1	-46.713248632844	-24.144953003636	VS	100	1
-46.753412441063	-24.156786178766	VS	100	1	-46.713080221996	-24.144791039995	VS	100	1
-46.799441015291	-24.189053830085	VS	250	1	-46.712978796469	-24.144782767965	VS	100	1
-46.799097101611	-24.189065324356	VS	250	1	-46.712752738434	-24.144658975002	VS	100	1
-46.798757955244	-24.189024387106	VS	250	1	-46.921576289311	-24.231486934314	VS	100	1
-46.797431106785	-24.189583692331	VS	250	1	-46.850755448662	-24.215586889216	VS	70	1
-46.908650644673	-24.232254537426	VS	70	1	-46.850530602104	-24.215083372882	VS	70	1
-46.908911174853	-24.232065006145	VS	70	1	-46.850393661366	-24.215844301427	VS	70	1
-46.909200669158	-24.231857427209	VS	70	1	-46.850252860929	-24.213820463959	VS	70	1
-46.887618491982	-24.241582517547	VS	100	1	-46.850182417439	-24.215702661351	VS	70	1
-46.910866551022	-24.237789117546	VS	70	1	-46.850198342046	-24.214672938524	VS	70	1
-46.722976220022	-24.150017849807	VS	100	1	-46.850146456018	-24.213895162528	VS	70	1
-46.76185192078	-24.166800896579	VS	100	1	-46.849980657039	-24.215480557665	VS	70	1
-46.762081918789	-24.167346240203	VS	100	1	-46.84993694159	-24.214854278903	VS	70	1
-46.761181876419	-24.167343291787	VS	100	1	-46.849885684198	-24.214075663607	VS	70	1
-46.839993315629	-24.210751580874	VS	70	1	-46.8497281206	-24.215188165823	VS	70	1
-46.839726204825	-24.210618443894	VS	70	1	-46.849642386877	-24.214041207625	VS	100	1
-46.839604620244	-24.210411424694	VS	70	1	-46.714254246838	-24.143945772079	VS	100	1
-46.839406311795	-24.210469373397	VS	70	1	-46.714035786488	-24.144012731142	VS	100	1
-46.88067014171	-24.212267934257	VS	100	1	-46.713707616349	-24.144340559592	VS	100	1
-46.722663268727	-24.149846382235	VS	100	1	-46.713350392238	-24.144592869739	VS	100	1
-46.722712762606	-24.149657053897	VS	100	1	-46.849698458395	-24.215028589548	VS	70	1
-46.782183190723	-24.173183085566	VS	70	1	-46.849619909409	-24.21426701836	VS	70	1
-46.816922859427	-24.18777905148	VS	250	2	-46.849566611004	-24.215010853044	VS	70	1
-46.81692315154	-24.188106465911	VS	250	1	-46.849499224514	-24.215158529457	VS	70	1
-46.839149034358	-24.210337397169	VS	70	1	-46.849459678873	-24.213834040592	VS	70	1
-46.838905751448	-24.21020586662	VS	70	1	-46.849441710207	-24.214400435719	VS	70	1
-46.891838364126	-24.242619283095	VS	100	1	-46.849421341668	-24.215904334554	VS	70	1
-46.782913661292	-24.17355099624	VS	100	1	-46.849277963352	-24.213630236493	VS	70	1
-46.782526612563	-24.17335947231	VS	100	1	-46.849311371281	-24.21472123603	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.781625571742	-24.171569292069	VS	100	1	-46.849267999018	-24.214526717293	VS	70	1
-46.781885293297	-24.17230894368	VS	70	1	-46.849158704799	-24.2156030015	VS	70	1
-46.782081693894	-24.172164562116	VS	70	1	-46.849062552226	-24.216542669854	VS	70	1
-46.840591878052	-24.162662441876	VS	70	1	-46.914883480043	-24.227705871124	VS	100	1
-46.840331298191	-24.162441406719	VS	70	1	-46.914681379348	-24.229380367795	VS	100	1
-46.840110757898	-24.16225567228	VS	100	1	-46.915153581497	-24.227507324137	VS	100	1
-46.839860172607	-24.162043447806	VS	100	1	-46.911598084612	-24.227911378117	VS	100	1
-46.83960962626	-24.161831260133	VS	100	1	-46.91106704797	-24.228281581871	VS	100	1
-46.839348828421	-24.161601300693	VS	100	1	-46.912780135137	-24.229237190342	VS	70	1
-46.895122856485	-24.237277624458	VS	100	1	-46.912500705673	-24.229456625537	VS	70	1
-46.835615473179	-24.18613149094	VS	70	1	-46.915424441685	-24.22730069996	VS	70	1
-46.835346001979	-24.186356651405	VS	70	1	-46.917677131432	-24.227189424674	VS	100	1
-46.835099870738	-24.186566464494	VS	70	1	-46.848718522217	-24.214923387171	VS	70	1
-46.834841922788	-24.186781471524	VS	70	1	-46.848666663475	-24.215055447232	VS	70	1
-46.834566825639	-24.187022984818	VS	70	1	-46.714422450551	-24.143304852166	VS	100	1
-46.834297169016	-24.187248291195	VS	70	1	-46.714761997485	-24.143485150464	VS	100	1
-46.833489241779	-24.187932467058	VS	70	1	-46.714727351958	-24.143602662966	VS	100	1
-46.836108237786	-24.188029165737	VS	70	1	-46.715082243324	-24.143666546063	VS	100	1
-46.835828970077	-24.18827255972	VS	70	1	-46.714501123451	-24.143764559848	VS	100	1
-46.730425755014	-24.143154559868	VS	100	1	-46.849007265221	-24.214707181547	VS	70	1
-46.730481843188	-24.144462985517	VS	100	1	-46.848351182673	-24.214699186161	VS	70	1
-46.730647075013	-24.153171604914	VS	100	1	-46.848179513434	-24.214504220522	VS	70	1
-46.730440411037	-24.150253662027	VS	100	1	-46.848841509124	-24.216292556853	VS	70	1
-46.722058813382	-24.144020303972	VS	100	1	-46.848803959687	-24.21564580861	VS	70	1
-46.835557965427	-24.188493043833	VS	70	1	-46.847987552563	-24.214282643794	VS	70	1
-46.835029084053	-24.188939770276	VS	70	1	-46.847990477305	-24.214194977946	VS	70	1
-46.834780787177	-24.189163696278	VS	70	1	-46.848691053538	-24.217065429702	VS	70	1
-46.834796665286	-24.188929396252	VS	70	1	-46.848583640256	-24.216004273277	VS	70	1
-46.834515332881	-24.188663897206	VS	70	1	-46.848552774593	-24.21581730888	VS	70	1
-46.842603911947	-24.169818670356	VS	70	1	-46.920493307322	-24.225163782662	VS	100	1
-46.818246930251	-24.186033361216	VS	70	1	-46.918935763434	-24.224754351996	VS	100	1
-46.818351323668	-24.186307990007	VS	70	1	-46.920527465681	-24.22359915758	VS	100	1
-46.81848301435	-24.186580114091	VS	100	1	-46.920822076253	-24.223385972887	VS	70	1
-46.818597000236	-24.186828887056	VS	70	1	-46.921425031798	-24.222949068695	VS	70	1
-46.818693367314	-24.187046855058	VS	70	1	-46.91479304184	-24.236560599068	VS	100	1
-46.719487834129	-24.143595598878	VS	100	1	-46.914975117623	-24.236773265874	VS	100	1
-46.718874113562	-24.146222427306	VS	100	1	-46.914591070807	-24.23633911987	VS	70	1
-46.841373325358	-24.163316548103	VS	70	1	-46.914869961693	-24.23640391004	VS	100	1
-46.842135789716	-24.163959304387	VS	70	1	-46.914618365534	-24.236566749867	VS	100	1
-46.842386295737	-24.164172993356	VS	70	1	-46.914290406561	-24.23681039034	VS	100	1
-46.842653595807	-24.164388231445	VS	70	1	-46.914001263314	-24.237026806423	VS	100	1
-46.841652483795	-24.163758363591	VS	70	1	-46.784703151673	-24.18287143451	VS	100	1
-46.84189761296	-24.163525496938	VS	70	1	-46.910542307071	-24.243063840385	VS	100	1
-46.834243833094	-24.188398315311	VS	70	1	-46.711696288931	-24.141980887721	VS	100	1
-46.834022486603	-24.188176959718	VS	70	1	-46.711290129848	-24.142028190093	VS	100	1
-46.833731125492	-24.187902601656	VS	70	1	-46.77454110622	-24.158415992931	VS	70	1
-46.833510581743	-24.187690761438	VS	70	1	-46.773990877985	-24.15880368146	VS	70	1
-46.833747341093	-24.187708721367	VS	70	1	-46.921280996435	-24.231416487383	VS	100	1
-46.830274950467	-24.188269206747	VS	70	1	-46.919303856239	-24.232941286415	VS	100	1
-46.83000751643	-24.188494781635	VS	70	1	-46.917933844385	-24.233242691529	VS	70	1
-46.829813503347	-24.18866388982	VS	70	1	-46.715419308279	-24.143844149862	VS	100	1
-46.829560931813	-24.188854969812	VS	70	1	-46.918131910298	-24.233803198535	VS	100	1
-46.828959150413	-24.189370468718	VS	70	1	-46.77648536325	-24.16905868091	VS	100	1
-46.82870704837	-24.18960045519	VS	70	1	-46.781438215212	-24.165801523068	VS	100	1
-46.827458016763	-24.18901582373	VS	250	1	-46.776234843346	-24.168934518271	VS	100	1
-46.818829243367	-24.187392511266	VS	100	1	-46.776308669069	-24.169158225839	VS	100	1
-46.818921801666	-24.187601024959	VS	100	1	-46.775999735489	-24.169373144731	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.842118274573	-24.163309525285	VS	70	1	-46.77568003544	-24.169595968407	VS	100	1
-46.78136566492	-24.171748733484	VS	250	1	-46.846480332978	-24.215713110098	VS	70	1
-46.811972532389	-24.188660317622	VS	100	1	-46.846652071035	-24.215916807107	VS	70	1
-46.812050159873	-24.188568030185	VS	100	1	-46.846823757983	-24.216111801951	VS	70	1
-46.812268567479	-24.188263117286	VS	100	1	-46.848407107662	-24.215796137455	VS	70	1
-46.811807841311	-24.188705480548	VS	100	1	-46.848345144662	-24.215965356711	VS	70	1
-46.812218804141	-24.189128612935	VS	100	1	-46.84799294048	-24.215317616901	VS	70	1
-46.812441149656	-24.189414343796	VS	100	1	-46.848281966013	-24.216707378413	VS	70	1
-46.911112276874	-24.234492130537	VS	100	1	-46.848165100034	-24.215506582409	VS	70	1
-46.819015442795	-24.187793240402	VS	100	1	-46.847858378059	-24.215528239305	VS	70	1
-46.818654693447	-24.187250581729	VS	100	1	-46.848111686413	-24.217471477091	VS	70	1
-46.818350135506	-24.187293639962	VS	100	1	-46.848138319105	-24.215329782613	VS	70	1
-46.817933858613	-24.187343247292	VS	100	1	-46.84830243041	-24.215212500093	VS	70	1
-46.817581621124	-24.187390547389	VS	100	1	-46.84800760829	-24.216403135767	VS	70	1
-46.818899343057	-24.187737387928	VS	100	1	-46.847980065881	-24.217454259075	VS	70	1
-46.818690460623	-24.187755306305	VS	100	1	-46.848457130437	-24.215104084789	VS	70	1
-46.817926603858	-24.187825078838	VS	100	1	-46.848522640695	-24.214885228861	VS	70	1
-46.81761828556	-24.187850216479	VS	100	1	-46.913644060137	-24.237279604235	VS	100	1
-46.817146383562	-24.187896011469	VS	100	1	-46.913402829232	-24.237460140674	VS	100	1
-46.910842134094	-24.234690666858	VS	100	1	-46.913065266025	-24.23771277079	VS	100	1
-46.910301649869	-24.235078814945	VS	100	1	-46.912819639356	-24.236603522777	VS	100	1
-46.909780568576	-24.23545788027	VS	100	1	-46.91299121761	-24.236789508416	VS	100	1
-46.90951022565	-24.235647490894	VS	100	1	-46.913163248112	-24.236993341079	VS	100	1
-46.909239862302	-24.235837100397	VS	100	1	-46.913365405541	-24.237223690442	VS	100	1
-46.827746498069	-24.18918391349	VS	250	1	-46.913678440019	-24.237569116959	VS	100	1
-46.828055586917	-24.189368120514	VS	250	1	-46.913920983728	-24.237843759866	VS	100	1
-46.82864890367	-24.18973191138	VS	250	1	-46.914411073238	-24.234117660962	VS	70	1
-46.828354382988	-24.18954427296	VS	250	1	-46.917079815154	-24.230157364693	VS	100	1
-46.835107709372	-24.186322432258	VS	70	1	-46.914663283946	-24.231910733853	VS	100	1
-46.835860695447	-24.187047351691	VS	70	1	-46.916788536851	-24.23035755496	VS	100	1
-46.835599428662	-24.186799552595	VS	70	1	-46.77506215304	-24.158037400745	VS	70	1
-46.769375975055	-24.163547710418	VS	100	1	-46.774811231506	-24.158217704388	VS	70	1
-46.795492125849	-24.184348716227	VS	100	1	-46.714496361055	-24.142865059566	VS	100	1
-46.908969723775	-24.236035632853	VS	100	1	-46.714398920964	-24.142639859584	VS	100	1
-46.908694748577	-24.2362371723	VS	100	1	-46.714115784338	-24.142650818469	VS	100	1
-46.90843881894	-24.236414770836	VS	100	1	-46.714681985615	-24.142433096761	VS	100	1
-46.907908196964	-24.236802786605	VS	100	1	-46.714845548942	-24.142322491472	VS	100	1
-46.907168710132	-24.231142779986	VS	100	1	-46.715086909887	-24.142151282851	VS	100	1
-46.906970417568	-24.232625167499	VS	100	1	-46.715236316734	-24.142140969899	VS	100	1
-46.906781409641	-24.232385175239	VS	100	1	-46.715510798352	-24.142288261959	VS	100	1
-46.906534833674	-24.232103986016	VS	100	1	-46.848328076953	-24.213942492077	VS	70	1
-46.829290035177	-24.188013278287	VS	70	1	-46.847778065362	-24.214348376494	VS	70	1
-46.829524327669	-24.188231280086	VS	70	1	-46.847682357155	-24.217095569346	VS	70	1
-46.829768225783	-24.188459778109	VS	70	1	-46.847655021172	-24.216457828083	VS	70	1
-46.829999331028	-24.188689683382	VS	70	1	-46.847554594455	-24.215758836131	VS	70	1
-46.90637727211	-24.23169333498	VS	100	1	-46.847430428478	-24.214592012354	VS	70	1
-46.906347940865	-24.231891325674	VS	100	1	-46.846610091363	-24.215187350145	VS	70	1
-46.905524810633	-24.234555673772	VS	100	1	-46.847413281817	-24.215714692205	VS	70	1
-46.905235305205	-24.234763226004	VS	100	1	-46.847404054516	-24.216638249083	VS	70	1
-46.904938361711	-24.234992361295	VS	100	1	-46.84730801438	-24.215916232332	VS	70	1
-46.724655300702	-24.151302629369	VS	70	1	-46.847208291729	-24.214745432871	VS	70	1
-46.83027092549	-24.188955391813	VS	70	1	-46.8472215424	-24.215502037536	VS	70	1
-46.830542434502	-24.189212288816	VS	70	1	-46.785217107453	-24.184669920497	VS	150	1
-46.833268775157	-24.187460018026	VS	70	1	-46.790810061018	-24.184716831028	VS	150	1
-46.834029033602	-24.186735281973	VS	70	1	-46.784720182473	-24.184414877471	VS	150	1
-46.834261868993	-24.186964453224	VS	70	1	-46.784442353621	-24.18428320612	VS	150	1
-46.83451723115	-24.187223579289	VS	70	1	-46.846291468166	-24.21541291359	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.830424093874	-24.204894124374	VS	100	1	-46.846298620889	-24.215509293739	VS	70	1
-46.903435872943	-24.238348078776	VS	100	1	-46.916494195554	-24.230575722744	VS	100	1
-46.903383968991	-24.236964577088	VS	100	1	-46.916232326234	-24.230769722988	VS	100	1
-46.903186506588	-24.238527953998	VS	100	1	-46.915956287331	-24.230972025007	VS	100	1
-46.903148549022	-24.238788322027	VS	100	1	-46.915695768204	-24.231161570106	VS	100	1
-46.902938548449	-24.234815333652	VS	100	1	-46.915454447317	-24.231333101321	VS	100	1
-46.90294670348	-24.238558320753	VS	100	1	-46.915184111128	-24.23152272416	VS	100	1
-46.902935565866	-24.238708453507	VS	100	1	-46.914923806035	-24.23172119095	VS	100	1
-46.902785525697	-24.237397856178	VS	100	1	-46.914412360586	-24.232091274125	VS	100	1
-46.835022081161	-24.187698915218	VS	70	1	-46.914122812507	-24.232298898517	VS	100	1
-46.835515005951	-24.188183219113	VS	100	1	-46.913891312729	-24.232470357202	VS	100	1
-46.902633680809	-24.238212848091	VS	100	1	-46.913621178279	-24.232668899659	VS	100	1
-46.902431328465	-24.237973563578	VS	100	1	-46.913322037901	-24.232885524437	VS	100	1
-46.902272983092	-24.238724397665	VS	100	1	-46.715697458511	-24.14238269817	VS	100	1
-46.71686407411	-24.13744833945	VS	100	1	-46.715448541496	-24.14252364761	VS	100	1
-46.71636940044	-24.137806349444	VS	100	1	-46.715091315992	-24.142775962808	VS	100	1
-46.716118635362	-24.137977369021	VS	100	1	-46.714892897252	-24.143083607204	VS	100	1
-46.716093497245	-24.138105057181	VS	100	1	-46.715947791808	-24.142510026981	VS	100	1
-46.818673732451	-24.150035661083	VS	70	1	-46.716289141496	-24.142686667293	VS	100	1
-46.90215837717	-24.237858057288	VS	100	1	-46.715908461113	-24.14276378143	VS	100	1
-46.901944110818	-24.229953536053	VS	100	1	-46.715603488316	-24.142983516579	VS	100	1
-46.902101410417	-24.238538401395	VS	100	1	-46.715406549915	-24.143124178451	VS	100	1
-46.901919600367	-24.238334672725	VS	100	1	-46.715439520388	-24.143383058008	VS	100	1
-46.901687144932	-24.238068878108	VS	100	1	-46.715131496894	-24.143215755113	VS	100	1
-46.901723009468	-24.238176683152	VS	100	1	-46.716042315801	-24.143458778105	VS	100	1
-46.901433243867	-24.230341305268	VS	100	1	-46.716312488988	-24.143260601797	VS	100	1
-46.901454896414	-24.237811988194	VS	100	1	-46.847248263959	-24.216608207512	VS	70	1
-46.871563562285	-24.221575651813	VS	70	1	-46.847191536233	-24.216782654213	VS	70	1
-46.872210463681	-24.221124403003	VS	70	1	-46.847134299166	-24.216042510878	VS	70	1
-46.872529278987	-24.220907703968	VS	70	1	-46.84706994482	-24.215324758732	VS	70	1
-46.901535188319	-24.238303502753	VS	100	1	-46.846980009697	-24.216159708551	VS	70	1
-46.901200820708	-24.230513322288	VS	100	1	-46.846879471404	-24.215096161627	VS	70	1
-46.901236913363	-24.234407293163	VS	100	1	-46.846861453148	-24.215006499262	VS	70	1
-46.90123978948	-24.238370011428	VS	100	1	-46.846714408206	-24.216341225292	VS	100	1
-46.901212389939	-24.237545994058	VS	100	1	-46.846727926518	-24.217118817624	VS	70	1
-46.900950607808	-24.230693370732	VS	100	1	-46.913061501387	-24.233075063669	VS	100	1
-46.900997500215	-24.238104284231	VS	100	1	-46.91278880146	-24.233277187117	VS	100	1
-46.900886102579	-24.23420079978	VS	100	1	-46.912530846053	-24.233463142924	VS	100	1
-46.729995683875	-24.153047136071	VS	100	1	-46.912328141654	-24.233607583861	VS	100	1
-46.73032251486	-24.153222224988	VS	100	1	-46.912028987203	-24.233824205218	VS	100	1
-46.900709486725	-24.230873808187	VS	100	1	-46.911730057287	-24.234049758422	VS	100	1
-46.900764813026	-24.237829546744	VS	100	1	-46.91142107522	-24.234266456587	VS	100	1
-46.900660390501	-24.234812816508	VS	100	1	-46.921022350653	-24.231895016313	VS	70	1
-46.899679580994	-24.231626139817	VS	100	1	-46.920708519742	-24.232134228613	VS	70	1
-46.900605771111	-24.233567170475	VS	100	1	-46.91205306649	-24.241982988418	VS	70	1
-46.900763827221	-24.238706690226	VS	100	1	-46.911890179121	-24.24241234343	VS	70	1
-46.900537109684	-24.233989476764	VS	100	1	-46.911763686897	-24.241833288214	VS	70	1
-46.90053254788	-24.237572637168	VS	100	1	-46.911501537408	-24.241469750622	VS	70	1
-46.900496739598	-24.2385013175	VS	100	1	-46.716607673611	-24.143056844441	VS	100	1
-46.900306375497	-24.23377484258	VS	100	1	-46.716953898042	-24.14302072592	VS	100	1
-46.900310352912	-24.234595712071	VS	100	1	-46.717313987447	-24.143202019981	VS	100	1
-46.900300603274	-24.237312814605	VS	100	1	-46.717325073835	-24.14344705007	VS	100	1
-46.900202653547	-24.235135974749	VS	100	1	-46.717054495054	-24.143627384791	VS	100	1
-46.900257721412	-24.238238499704	VS	100	1	-46.716813346116	-24.143807518541	VS	100	1
-46.900045941344	-24.233964287717	VS	100	1	-46.716661572383	-24.144025792655	VS	100	1
-46.899951319526	-24.234375542036	VS	100	1	-46.71699069186	-24.144200780888	VS	100	1
-46.899833457439	-24.234932174726	VS	100	1	-46.716323651252	-24.143849627775	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.899773551075	-24.233765137471	VS	100	1	-46.716105302275	-24.143744095841	VS	100	1
-46.899572861264	-24.234316433339	VS	100	1	-46.715767208091	-24.143553744077	VS	100	1
-46.899561825365	-24.233543765872	VS	100	1	-46.717436930956	-24.144062256322	VS	100	1
-46.899504321542	-24.234729608216	VS	100	1	-46.846584681791	-24.217537285979	VS	70	1
-46.877270679817	-24.231529044062	VS	100	1	-46.846458648975	-24.216520557963	VS	70	1
-46.895675010776	-24.236960875306	VS	100	1	-46.846448444635	-24.217323829319	VS	70	1
-46.895483369915	-24.236757181209	VS	100	1	-46.846254613138	-24.216526984222	VS	70	1
-46.89529151456	-24.236544572785	VS	100	1	-46.846188315591	-24.216719075102	VS	70	1
-46.895259077624	-24.236318327841	VS	100	1	-46.846072900502	-24.216323167501	VS	70	1
-46.872828454374	-24.220691165202	VS	70	1	-46.846072433362	-24.216800291509	VS	70	1
-46.873147044413	-24.220465541299	VS	70	1	-46.845908539754	-24.216926485095	VS	70	1
-46.873369186746	-24.220312080542	VS	70	1	-46.845810619329	-24.216951390056	VS	70	1
-46.873541389848	-24.220259888492	VS	70	1	-46.845705059822	-24.215915322773	VS	70	1
-46.899369751256	-24.233322239076	VS	100	1	-46.911473807919	-24.2416678786065	VS	70	1
-46.899188184469	-24.22825138991	VS	100	1	-46.911761390792	-24.242505365199	VS	70	1
-46.899283961135	-24.234523574757	VS	100	1	-46.907265055496	-24.219496298604	VS	100	1
-46.898956521965	-24.228413848492	VS	100	1	-46.906946958805	-24.219739840406	VS	100	1
-46.898979149709	-24.23474820205	VS	100	1	-46.90663811875	-24.219956472504	VS	100	1
-46.899033639494	-24.237160219136	VS	100	1	-46.906339147454	-24.220182052623	VS	100	1
-46.877725103315	-24.228951881824	VS	100	1	-46.906030430653	-24.220407667142	VS	100	1
-46.877553052799	-24.229062093342	VS	100	1	-46.905789286966	-24.220588151116	VS	100	1
-46.877263199637	-24.229260751963	VS	100	1	-46.905509927612	-24.220804510459	VS	100	1
-46.877084398963	-24.228560663579	VS	100	1	-46.904202668344	-24.228337824139	VS	100	1
-46.876876943384	-24.229531531662	VS	100	1	-46.903700827396	-24.228707911668	VS	100	1
-46.898686162945	-24.228603439257	VS	100	1	-46.903217762494	-24.228436619497	VS	100	1
-46.898834861761	-24.235641196036	VS	100	1	-46.891119285735	-24.238447630756	VS	100	1
-46.898743042669	-24.234902892945	VS	100	1	-46.717295717421	-24.142472300391	VS	100	1
-46.898444828552	-24.228774950044	VS	100	1	-46.717046681873	-24.146562316308	VS	100	1
-46.876723238685	-24.229526234586	VS	100	1	-46.715997818547	-24.145769904064	VS	100	1
-46.898582101856	-24.235348773847	VS	100	1	-46.717267745444	-24.144360394462	VS	100	1
-46.898566566025	-24.237264124457	VS	100	1	-46.717224806082	-24.14422433763	VS	100	1
-46.898501920223	-24.235083316593	VS	100	1	-46.761367071924	-24.168201815746	VS	100	1
-46.87654125997	-24.225132151487	VS	100	1	-46.760581909847	-24.16778823815	VS	100	1
-46.876509250279	-24.228231911109	VS	100	1	-46.758713441499	-24.168256460219	VS	100	1
-46.876499538957	-24.228963527994	VS	100	1	-46.845731831849	-24.215827794826	VS	70	1
-46.898408157969	-24.237611972766	VS	250	1	-46.845579025937	-24.216794725907	VS	70	1
-46.898260656392	-24.235263835147	VS	100	1	-46.845525194588	-24.215976974539	VS	70	1
-46.898031833324	-24.235737069471	VS	100	1	-46.845327391151	-24.216626757482	VS	70	1
-46.897692306421	-24.22932535324	VS	100	1	-46.845249382766	-24.216179505748	VS	70	1
-46.897479965344	-24.229478791126	VS	100	1	-46.845107703269	-24.216476783499	VS	70	1
-46.897586312821	-24.235487446343	VS	100	1	-46.903005423369	-24.229204917983	VS	100	1
-46.897472943995	-24.238288907751	VS	250	1	-46.90497795004	-24.226446296532	VS	100	1
-46.897238377062	-24.229657803576	VS	100	1	-46.904746748503	-24.226626594427	VS	100	1
-46.89735385266	-24.235221628354	VS	100	1	-46.904254460571	-24.226978674431	VS	100	1
-46.896987904257	-24.229839731507	VS	100	1	-46.903951755705	-24.228527390198	VS	100	1
-46.897126638856	-24.234970062686	VS	100	1	-46.903884022054	-24.229163012765	VS	100	1
-46.897140089612	-24.238626381493	VS	100	1	-46.903742483266	-24.227364575219	VS	100	1
-46.896782515525	-24.225364304229	VS	100	1	-46.903682119529	-24.228941578062	VS	100	1
-46.88510127972	-24.203437960589	VS	100	1	-46.903469088016	-24.228870438738	VS	100	1
-46.896958849517	-24.238656534669	VS	250	1	-46.903459826023	-24.228693427332	VS	100	1
-46.901745557431	-24.235182031012	VS	250	1	-46.903232150474	-24.227736497422	VS	100	1
-46.897015942137	-24.236175212319	VS	100	1	-46.90331061363	-24.228987143156	VS	100	1
-46.86829226099	-24.224638161973	VS	100	1	-46.902985112645	-24.228161923702	VS	100	1
-46.904837933912	-24.237916405605	VS	100	1	-46.759064932127	-24.151765955255	VS	100	1
-46.904723868637	-24.237398608426	VS	100	1	-46.754567106574	-24.167653339879	VS	100	1
-46.896912365494	-24.238370356011	VS	100	1	-46.753903669806	-24.167547487955	VS	100	1
-46.896737219876	-24.230029145999	VS	70	1	-46.755350895942	-24.165001406773	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.896493125503	-24.225580860203	VS	100	1	-46.753432997152	-24.16618784158	VS	100	1
-46.896796607514	-24.240075327283	VS	100	1	-46.752353715118	-24.165953986219	VS	100	1
-46.896546283069	-24.230274110294	VS	70	1	-46.752883068486	-24.165117193747	VS	100	1
-46.896540648963	-24.230175506306	VS	70	1	-46.761510553577	-24.168366611765	VS	100	1
-46.896360803476	-24.230308982426	VS	70	1	-46.761605739354	-24.168342683706	VS	100	1
-46.896570525887	-24.239826901341	VS	100	1	-46.761128370436	-24.168069718659	VS	100	1
-46.896619602511	-24.241909708407	VS	100	1	-46.760746092412	-24.167997363651	VS	100	1
-46.896213401308	-24.225779291705	VS	100	1	-46.760566359323	-24.168284174712	VS	100	1
-46.895943129252	-24.22597789666	VS	100	1	-46.846518000098	-24.213624645074	VS	100	1
-46.876293408866	-24.211374433741	VS	100	1	-46.846265419508	-24.21333215729	VS	70	1
-46.813003466699	-24.192024248387	VS	100	1	-46.846133431846	-24.214051614118	VS	70	1
-46.72378118332	-24.144659479951	VS	100	1	-46.845834843403	-24.215004537217	VS	70	1
-46.723510822349	-24.144848749166	VS	100	1	-46.845572217516	-24.21470319932	VS	100	1
-46.723250267689	-24.145037950496	VS	100	1	-46.84551773179	-24.21570284085	VS	70	1
-46.722999315765	-24.145218162176	VS	100	1	-46.84534034234	-24.214455166546	VS	70	1
-46.87627065773	-24.225312793534	VS	100	1	-46.844635259136	-24.213926673574	VS	70	1
-46.876416057461	-24.229340358074	VS	100	1	-46.843990601393	-24.21559415923	VS	70	1
-46.876308182758	-24.228367183996	VS	100	1	-46.902952423635	-24.227944021655	VS	100	1
-46.876315762156	-24.229090055113	VS	100	1	-46.902687241683	-24.229430105144	VS	100	1
-46.876088366859	-24.229144736797	VS	100	1	-46.902380573431	-24.229645458245	VS	100	1
-46.904598713005	-24.237775583253	VS	100	1	-46.902156362089	-24.229809222806	VS	100	1
-46.904475085513	-24.237579728158	VS	100	1	-46.902730786465	-24.228115331645	VS	100	1
-46.904060446282	-24.237458719973	VS	100	1	-46.904867183164	-24.22840536669	VS	100	1
-46.903902921969	-24.238693374502	VS	100	1	-46.905099650638	-24.228671173764	VS	100	1
-46.903821227208	-24.237317896616	VS	100	1	-46.903163807471	-24.225354349757	VS	100	1
-46.903688291961	-24.238157925276	VS	100	1	-46.901928493763	-24.226247939071	VS	100	1
-46.903641328127	-24.236789848733	VS	100	1	-46.899892179615	-24.227719117583	VS	100	1
-46.90366040106	-24.23841871824	VS	100	1	-46.902681326687	-24.225706346416	VS	100	1
-46.903561711006	-24.237150458702	VS	100	1	-46.760293516084	-24.167629738095	VS	100	1
-46.8760302307	-24.22855931967	VS	100	1	-46.759984076085	-24.167603369432	VS	100	1
-46.875778733682	-24.225664485194	VS	100	1	-46.759975164598	-24.167497594212	VS	100	1
-46.875809045731	-24.228968505383	VS	100	1	-46.759840658234	-24.167573654065	VS	100	1
-46.875719064848	-24.22877338298	VS	100	1	-46.759813739113	-24.167872274807	VS	100	1
-46.875659897923	-24.228048111469	VS	100	1	-46.759623969234	-24.168150240242	VS	100	1
-46.90325273165	-24.236965646262	VS	100	1	-46.759453836585	-24.168428067106	VS	100	1
-46.903225718201	-24.237922445888	VS	100	1	-46.759589698432	-24.167753926842	VS	100	1
-46.902979449524	-24.23544195471	VS	100	1	-46.759377161144	-24.167898224401	VS	100	1
-46.902993325998	-24.236807073829	VS	100	1	-46.759135803399	-24.168069504754	VS	100	1
-46.875503509862	-24.225969093046	VS	100	1	-46.758884831889	-24.168249775812	VS	100	1
-46.875517709037	-24.22584014699	VS	100	1	-46.758948249414	-24.168361225477	VS	100	1
-46.875554919692	-24.228761679357	VS	100	1	-46.759205004511	-24.168494378632	VS	100	1
-46.875408938047	-24.228228580887	VS	100	1	-46.847245804639	-24.214475737038	VS	70	1
-46.875284231826	-24.225814444053	VS	100	1	-46.846988715084	-24.213449496931	VS	70	1
-46.875250815115	-24.223051288803	VS	100	1	-46.846982954468	-24.214165478197	VS	70	1
-46.875157764019	-24.228400126773	VS	100	1	-46.846720472152	-24.213872990985	VS	70	1
-46.874767736133	-24.212430548022	VS	70	1	-46.846693411081	-24.213654627867	VS	100	1
-46.902734242693	-24.236657481233	VS	100	1	-46.846685630829	-24.214863802782	VS	70	1
-46.902660562642	-24.235257162971	VS	100	1	-46.846452051481	-24.213826050554	VS	70	1
-46.902484985465	-24.236507819615	VS	100	1	-46.846412967582	-24.214553626591	VS	70	1
-46.902373887198	-24.23581933629	VS	100	1	-46.846160587506	-24.214270060967	VS	70	1
-46.902331645658	-24.235063525389	VS	100	1	-46.846096826015	-24.215279106173	VS	70	1
-46.902225736122	-24.23634934044	VS	100	1	-46.902440057631	-24.225876153381	VS	100	1
-46.902064836007	-24.235634465891	VS	100	1	-46.902144856745	-24.22608802006	VS	100	1
-46.901996502195	-24.235001514958	VS	250	1	-46.901629344135	-24.226464540007	VS	100	1
-46.901970522317	-24.234842131138	VS	100	1	-46.901358992928	-24.226654136656	VS	100	1
-46.901963906216	-24.236207264621	VS	100	1	-46.901098465904	-24.226843655035	VS	100	1
-46.901745619181	-24.235440682878	VS	100	1	-46.900847497833	-24.227024197681	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.901613841798	-24.23463217181	VS	100	1	-46.900615994108	-24.22719563508	VS	100	1
-46.815943558746	-24.185485492915	VS	100	1	-46.900374880326	-24.227376063873	VS	100	1
-46.812659923832	-24.191854291968	VS	250	2	-46.900133510202	-24.227547603948	VS	100	1
-46.901627801709	-24.235997336897	VS	100	1	-46.899631648383	-24.227908632841	VS	100	1
-46.901494917386	-24.235371418105	VS	250	1	-46.89945810188	-24.228043951358	VS	100	1
-46.794030162234	-24.163845367717	VS	70	1	-46.899244335043	-24.226621975778	VS	70	1
-46.794366147714	-24.16415456779	VS	70	1	-46.759687882309	-24.167339701101	VS	100	1
-46.79399987963	-24.164067799041	VS	70	1	-46.759085694104	-24.167386912346	VS	100	1
-46.793692704902	-24.164016191623	VS	70	1	-46.758934346595	-24.167628911186	VS	100	1
-46.794723056314	-24.164250480736	VS	70	1	-46.758783204353	-24.167879831899	VS	100	1
-46.908230772968	-24.246294784531	VS	70	1	-46.758655260544	-24.168068145594	VS	100	1
-46.88652239277	-24.22509682601	VS	100	1	-46.758594346365	-24.168417297513	VS	100	1
-46.884953095034	-24.225620818603	VS	100	1	-46.758450831891	-24.168355158186	VS	100	1
-46.884682725738	-24.225810382456	VS	100	1	-46.758675530296	-24.167191687234	VS	100	1
-46.882463020051	-24.230800287503	VS	100	1	-46.758505181686	-24.167460590573	VS	100	1
-46.882155229846	-24.234655065934	VS	100	1	-46.758295454232	-24.167778577064	VS	100	1
-46.901936461681	-24.237424315607	VS	100	1	-46.758420217623	-24.168107378654	VS	100	1
-46.845969350337	-24.210024160762	VS	70	1	-46.758181735768	-24.167984199755	VS	100	1
-46.841262400423	-24.210158048506	VS	100	1	-46.758215904316	-24.166847029973	VS	100	1
-46.841526739895	-24.209718770301	VS	70	1	-46.846022865428	-24.213048508503	VS	70	1
-46.841385074066	-24.209951867878	VS	70	1	-46.845859292107	-24.214251262437	VS	70	1
-46.838269237007	-24.206525137952	VS	100	1	-46.845802968682	-24.213078836134	VS	70	1
-46.909460971809	-24.231658980216	VS	70	1	-46.84569576896	-24.213729391653	VS	70	1
-46.909775090403	-24.23143619344	VS	70	1	-46.845544813689	-24.214475477048	VS	70	1
-46.910082332356	-24.231216556995	VS	70	1	-46.845484571838	-24.213313312497	VS	70	1
-46.907312611932	-24.233251672036	VS	70	1	-46.845453426912	-24.213454673832	VS	70	1
-46.906721496931	-24.233689206923	VS	70	1	-46.845255316765	-24.215410434125	VS	70	1
-46.906412905422	-24.233914695771	VS	70	1	-46.845197334187	-24.214728064639	VS	100	1
-46.906122714491	-24.234113656736	VS	70	1	-46.845088186408	-24.214180522537	VS	70	1
-46.905221320273	-24.23450955407	VS	70	1	-46.844992903202	-24.215118018091	VS	70	1
-46.904949899206	-24.234253146672	VS	70	1	-46.844965572887	-24.214890487171	VS	70	1
-46.908503775762	-24.230173389805	VS	70	1	-46.844867998278	-24.213752259547	VS	70	1
-46.908230876066	-24.230366113235	VS	70	1	-46.901929218059	-24.225966505206	VS	100	1
-46.907941324147	-24.230573725038	VS	70	1	-46.901737148691	-24.225744982219	VS	100	1
-46.907841371418	-24.231614819027	VS	70	1	-46.905561259337	-24.22361914675	VS	100	1
-46.907618934539	-24.231357850969	VS	70	1	-46.901983180123	-24.225077002002	VS	70	1
-46.907387123947	-24.23111881682	VS	70	1	-46.90177128432	-24.224846766595	VS	70	1
-46.90355536775	-24.232402679072	VS	70	1	-46.901545510661	-24.225541305529	VS	100	1
-46.903032087293	-24.232855426292	VS	70	1	-46.901412941928	-24.2262506197	VS	100	1
-46.902899915276	-24.233582541975	VS	100	1	-46.758026358658	-24.167133915817	VS	100	1
-46.869491781777	-24.192981370078	VS	100	1	-46.757874793748	-24.167367000004	VS	100	1
-46.903044049913	-24.231859097599	VS	70	1	-46.757727256972	-24.167608400349	VS	100	1
-46.837932883895	-24.207102658118	VS	100	1	-46.757873903047	-24.167818139701	VS	100	1
-46.838329733747	-24.207300810706	VS	100	1	-46.757524308823	-24.167587355935	VS	100	1
-46.8381324712	-24.206763803084	VS	70	1	-46.757216398023	-24.167429054936	VS	100	1
-46.840211928327	-24.205417512121	VS	70	1	-46.756938025114	-24.167279402036	VS	100	1
-46.837406364805	-24.203777037711	VS	70	1	-46.757543632981	-24.167895919134	VS	100	1
-46.838486837712	-24.203799716433	VS	70	1	-46.75740879735	-24.167946552652	VS	100	1
-46.836984160192	-24.159620918706	VS	70	1	-46.757176096586	-24.167830448311	VS	100	1
-46.836723592916	-24.159399878984	VS	70	1	-46.757354289797	-24.168191725782	VS	100	1
-46.835923656195	-24.159602503259	VS	100	1	-46.757193509773	-24.168451670924	VS	100	1
-46.828959323111	-24.152480847874	VS	100	1	-46.844835810237	-24.213896955196	VS	70	1
-46.834989833941	-24.159653768352	VS	70	1	-46.844723504923	-24.214823364164	VS	70	1
-46.83528473386	-24.159889886935	VS	70	1	-46.844710079201	-24.215071970052	VS	70	1
-46.835579634891	-24.160126005088	VS	70	1	-46.844728433461	-24.215903402846	VS	70	1
-46.833431057682	-24.176010518048	VS	70	1	-46.844537584096	-24.213345922759	VS	70	1
-46.833328061278	-24.173017801525	VS	70	1	-46.844528586506	-24.214595274274	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.824471942695	-24.175414750313	VS	70	1	-46.84439594083	-24.215296488651	VS	70	1
-46.82415037177	-24.175206070689	VS	70	1	-46.844307044278	-24.21416123029	VS	100	1
-46.808040329772	-24.191821001891	VS	100	1	-46.844286256041	-24.214320545989	VS	70	1
-46.801338383924	-24.160828354402	VS	70	1	-46.844164318459	-24.215467884617	VS	70	1
-46.79538216319	-24.163538399195	VS	70	1	-46.844057472886	-24.21433716676	VS	70	1
-46.795711516619	-24.163118708746	VS	70	1	-46.901373426202	-24.225346009371	VS	100	1
-46.793235167149	-24.163139873526	VS	70	1	-46.901171749174	-24.225133486845	VS	100	1
-46.796121732489	-24.16100375688	VS	70	1	-46.903385634315	-24.225191970095	VS	100	1
-46.796454732547	-24.16139110013	VS	70	1	-46.905318808412	-24.223792633168	VS	100	1
-46.79547766537	-24.161262636301	VS	70	1	-46.855293454532	-24.213656021584	VS	70	1
-46.79888252793	-24.160018522752	VS	70	1	-46.855046370777	-24.213825400789	VS	70	1
-46.799191986578	-24.159801707486	VS	70	1	-46.905605284235	-24.223286157992	VS	100	1
-46.799487497928	-24.159566682427	VS	70	1	-46.905413426684	-24.223073562551	VS	100	1
-46.782445489496	-24.141304417186	VS	70	1	-46.905219953934	-24.221012423227	VS	100	1
-46.782170598305	-24.141201178667	VS	70	1	-46.905231835528	-24.222878735746	VS	100	1
-46.781764279179	-24.141048141011	VS	70	1	-46.905019466502	-24.222630629935	VS	100	1
-46.780387156898	-24.141227662176	VS	100	1	-46.756666936238	-24.168271723171	VS	100	1
-46.867893598043	-24.228824589128	VS	100	1	-46.756378598884	-24.168122052853	VS	100	1
-46.867641956528	-24.229002077404	VS	100	1	-46.756115895188	-24.168111097183	VS	100	1
-46.86737827399	-24.229202851571	VS	70	1	-46.7559738164	-24.168335328664	VS	100	1
-46.78362287339	-24.14625034	VS	70	1	-46.756305240659	-24.167824497303	VS	100	1
-46.783281216927	-24.146306501197	VS	70	1	-46.756494491945	-24.167528842873	VS	100	1
-46.784016133287	-24.14617736708	VS	70	1	-46.756664496113	-24.167241973749	VS	100	1
-46.784302417544	-24.146125018382	VS	70	1	-46.756813546186	-24.16695757665	VS	100	1
-46.784620292922	-24.146067475557	VS	70	1	-46.756639455223	-24.167103166997	VS	100	1
-46.784966025679	-24.146004743292	VS	70	1	-46.756972975656	-24.166701867492	VS	100	1
-46.806444055341	-24.196508511499	VS	100	1	-46.941094944883	-24.182694375316	VS	100	1
-46.795072232681	-24.181904214417	VS	100	1	-46.935653851371	-24.176222770264	VS	100	1
-46.792444705714	-24.181465058195	VS	100	1	-46.843505651677	-24.214729649572	VS	70	1
-46.88178508585	-24.237023240811	VS	100	1	-46.843443422218	-24.215402339903	VS	70	1
-46.882084290611	-24.236806687075	VS	100	1	-46.843071559541	-24.215197216703	VS	70	1
-46.902801852476	-24.231593457728	VS	70	1	-46.849811305574	-24.216253106073	VS	70	1
-46.779636896076	-24.162119168649	VS	70	1	-46.851529423306	-24.21502627296	VS	70	1
-46.779242074696	-24.162039526401	VS	70	1	-46.904959439735	-24.221192888801	VS	100	1
-46.77815174286	-24.163030086644	VS	70	1	-46.904787223838	-24.222373747326	VS	100	1
-46.777834186466	-24.162892808569	VS	70	1	-46.904669906673	-24.221400496605	VS	100	1
-46.777557797165	-24.162784647089	VS	70	1	-46.904595369236	-24.222161142187	VS	100	1
-46.777362464218	-24.162421172555	VS	70	1	-46.904409435801	-24.221589996887	VS	100	1
-46.877135219362	-24.214775886616	VS	70	1	-46.904403514967	-24.221948545895	VS	100	1
-46.877283581117	-24.214670377887	VS	70	1	-46.904225979698	-24.221755802113	VS	100	1
-46.87749651247	-24.214517326854	VS	70	1	-46.909580640214	-24.246369036215	VS	100	1
-46.877773076017	-24.214324146332	VS	70	1	-46.909389177979	-24.246174287338	VS	100	1
-46.877901146837	-24.214225299921	VS	70	1	-46.909167017218	-24.245617829163	VS	100	1
-46.878038976066	-24.21413632944	VS	70	1	-46.909146416473	-24.245890713316	VS	100	1
-46.878164397221	-24.214041594558	VS	70	1	-46.855208117486	-24.213857291569	VS	70	1
-46.87834684789	-24.213916676614	VS	70	1	-46.907084740351	-24.222489335776	VS	100	1
-46.876903481888	-24.214941690237	VS	70	1	-46.757318099216	-24.166167866134	VS	100	1
-46.876568211253	-24.215187086781	VS	70	1	-46.756934924234	-24.166417322768	VS	100	1
-46.876113739667	-24.215522001316	VS	70	1	-46.756636758756	-24.166258904875	VS	100	1
-46.875851523474	-24.215699671464	VS	70	1	-46.756368529033	-24.166118179842	VS	100	1
-46.875340057199	-24.216069616853	VS	70	1	-46.75722250479	-24.166028148282	VS	100	1
-46.875060188803	-24.216268103265	VS	70	1	-46.756904669375	-24.16586105988	VS	100	1
-46.874780238953	-24.216466649967	VS	70	1	-46.906825202776	-24.222687476383	VS	100	1
-46.874510162745	-24.216665076265	VS	70	1	-46.906555858445	-24.222884802364	VS	100	1
-46.874229378507	-24.216864140099	VS	70	1	-46.755980194328	-24.165368137362	VS	100	1
-46.861527313829	-24.199183860484	VS	70	1	-46.755721555159	-24.165227191935	VS	100	1
-46.860919083901	-24.199628812054	VS	70	1	-46.755860503853	-24.166422367044	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.854345496409	-24.159829493251	VS	70	1	-46.851326323251	-24.215170887596	VS	70	1
-46.876181327051	-24.201446087329	VS	250	1	-46.850950095611	-24.215450447941	VS	70	1
-46.875910414139	-24.201654559604	VS	250	1	-46.850823975401	-24.215437971943	VS	70	1
-46.875609167088	-24.201854716147	VS	250	1	-46.850299669977	-24.215899043207	VS	70	1
-46.875307891257	-24.20205055234	VS	250	1	-46.849714086909	-24.216232185394	VS	70	1
-46.875051089217	-24.202249956215	VS	250	1	-46.84962723506	-24.216379835346	VS	70	1
-46.87476877526	-24.202439047146	VS	250	1	-46.849052414949	-24.216800752654	VS	70	1
-46.874493585358	-24.20264588564	VS	250	1	-46.848487925817	-24.217191925487	VS	70	1
-46.874197279044	-24.202849986816	VS	250	1	-46.847906905944	-24.217607961858	VS	70	1
-46.873903073157	-24.203061781182	VS	250	1	-46.847638344524	-24.217796395759	VS	70	1
-46.873622981418	-24.203271171704	VS	250	1	-46.847368170285	-24.217994811053	VS	70	1
-46.873333274931	-24.203468669583	VS	150	1	-46.847226380354	-24.217994959258	VS	70	1
-46.873034369896	-24.203679775432	VS	150	1	-46.908893772597	-24.245607152382	VS	100	1
-46.872762182669	-24.203874726878	VS	150	1	-46.908858195319	-24.245843476332	VS	100	1
-46.825490197156	-24.202347493369	VS	70	1	-46.910894421176	-24.244213782144	VS	100	1
-46.825310548157	-24.201319756067	VS	70	1	-46.910518473873	-24.244040695105	VS	100	1
-46.825329606298	-24.20261660531	VS	70	1	-46.910260530727	-24.243882695088	VS	100	1
-46.825182918827	-24.200844020001	VS	70	1	-46.910030489169	-24.243755931199	VS	100	1
-46.825196685957	-24.202302120028	VS	70	1	-46.909861029824	-24.243889981895	VS	100	1
-46.825116983391	-24.200503793269	VS	100	1	-46.909702483871	-24.243574854955	VS	100	1
-46.825149990698	-24.202909619247	VS	70	1	-46.909552118658	-24.244106621042	VS	100	1
-46.825085911329	-24.203277734249	VS	70	1	-46.909353463613	-24.243418386728	VS	100	1
-46.825002560348	-24.20117043609	VS	70	1	-46.909104827543	-24.243285819129	VS	100	1
-46.82498399889	-24.20073848217	VS	70	1	-46.911179014243	-24.241702717588	VS	70	1
-46.825025182032	-24.203128925541	VS	70	1	-46.911172386627	-24.241487058896	VS	70	1
-46.8248635878	-24.201351819897	VS	70	1	-46.75589447822	-24.16668722543	VS	100	1
-46.872462237868	-24.204072296608	VS	150	1	-46.756223716191	-24.1668809141	VS	100	1
-46.872172607491	-24.204282561145	VS	150	1	-46.756584690001	-24.16706999619	VS	100	1
-46.871861971939	-24.204500649168	VS	150	1	-46.755667946636	-24.166734787584	VS	100	1
-46.87158874323	-24.204694866563	VS	150	1	-46.755474893745	-24.167029505505	VS	100	1
-46.871293821457	-24.204885933844	VS	150	1	-46.755304539264	-24.167298404354	VS	100	1
-46.87098796782	-24.205092220874	VS	150	1	-46.755443469581	-24.167593514795	VS	100	1
-46.870701934171	-24.205308773968	VS	150	1	-46.755781885936	-24.167778625266	VS	100	1
-46.870418715004	-24.205507234825	VS	150	1	-46.755076129819	-24.16739135132	VS	100	1
-46.870123683118	-24.205701298887	VS	150	1	-46.754972753029	-24.167800523182	VS	100	1
-46.869847303027	-24.205896445834	VS	150	1	-46.754230516051	-24.167471622586	VS	100	1
-46.869558899497	-24.206098595959	VS	150	1	-46.755124744491	-24.167585287135	VS	100	1
-46.869280704647	-24.206294179278	VS	150	1	-46.846896088542	-24.217756258195	VS	70	1
-46.824868631141	-24.202135100251	VS	70	1	-46.844398603215	-24.215921274341	VS	70	1
-46.824780341844	-24.201056522694	VS	70	1	-46.844109970658	-24.215762905027	VS	70	1
-46.824640238857	-24.200564278264	VS	70	1	-46.843831307104	-24.215604546281	VS	70	1
-46.824746499292	-24.203106245822	VS	70	1	-46.849534064547	-24.216448943778	VS	70	1
-46.824702786845	-24.201612017571	VS	70	1	-46.843080967097	-24.215036336959	VS	70	1
-46.824688295837	-24.203709957508	VS	70	1	-46.910878272332	-24.241925513107	VS	70	1
-46.824620197215	-24.202012090953	VS	70	1	-46.910396240137	-24.243490985941	VS	150	1
-46.824570770144	-24.200203145465	VS	70	1	-46.910187996597	-24.243568252024	VS	70	1
-46.824551712081	-24.201863015164	VS	70	1	-46.909868351295	-24.243415388929	VS	70	1
-46.824525321218	-24.200924262538	VS	70	1	-46.903370320757	-24.239018526753	VS	100	1
-46.8244448419182	-24.202964382092	VS	70	1	-46.902664946092	-24.238898213868	VS	100	1
-46.824410479785	-24.202113904067	VS	70	1	-46.902434145777	-24.238901105461	VS	100	1
-46.82432983216	-24.201838414114	VS	70	1	-46.901370863692	-24.239012490263	VS	100	1
-46.86900721759	-24.206495552145	VS	150	1	-46.90106251429	-24.238863197556	VS	100	1
-46.868727443626	-24.206690667595	VS	150	1	-46.753846311254	-24.167822465991	VS	100	1
-46.868447116391	-24.20688371167	VS	150	1	-46.753558209854	-24.167672941594	VS	100	1
-46.867868018873	-24.207295624649	VS	150	1	-46.754064732675	-24.167296353935	VS	100	1
-46.86759795801	-24.207484834342	VS	150	1	-46.754235295411	-24.167036369901	VS	100	1
-46.867311284772	-24.207684023958	VS	150	1	-46.754414730419	-24.166740796337	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.867038061624	-24.207881910431	VS	150	1	-46.754575482241	-24.166480889787	VS	100	1
-46.866764213948	-24.208073846583	VS	150	1	-46.754746042672	-24.166220904865	VS	100	1
-46.868157619775	-24.207089742036	VS	150	1	-46.755067450183	-24.165701214041	VS	100	1
-46.875056737462	-24.206488312235	VS	100	1	-46.754871024269	-24.166019764366	VS	100	1
-46.876507786467	-24.206977968523	VS	100	1	-46.755256205692	-24.165408919076	VS	100	1
-46.876601384996	-24.205405210116	VS	100	1	-46.75534487372	-24.165269901346	VS	100	1
-46.873009762303	-24.207914507841	VS	100	1	-46.851689334921	-24.212835219067	VS	70	1
-46.824247002681	-24.200783635678	VS	70	1	-46.851385454311	-24.213050422705	VS	70	1
-46.824148947744	-24.200316555043	VS	70	1	-46.851088411441	-24.2132660376	VS	70	1
-46.824008394123	-24.200660552838	VS	70	1	-46.850868425512	-24.213222139656	VS	70	1
-46.823991169031	-24.20075885956	VS	70	1	-46.850814321309	-24.213453813909	VS	70	1
-46.823860751056	-24.200175963016	VS	70	1	-46.85062864411	-24.212945713697	VS	70	1
-46.823671609952	-24.200953956325	VS	70	1	-46.850357226383	-24.212634802594	VS	70	1
-46.82376696429	-24.2014781336	VS	70	1	-46.900267263599	-24.239247686256	VS	100	1
-46.823640645476	-24.200475996006	VS	70	1	-46.902837775912	-24.23933509454	VS	100	1
-46.823612312056	-24.200052952425	VS	70	1	-46.902666211455	-24.239149098966	VS	100	1
-46.823575076273	-24.201256543379	VS	70	1	-46.902626056647	-24.239645931041	VS	100	1
-46.823536402039	-24.201053378227	VS	70	1	-46.902433386173	-24.239060597708	VS	100	1
-46.823492575798	-24.203733594865	VS	70	1	-46.9023609911	-24.239511017264	VS	100	1
-46.880832229349	-24.208223620251	VS	100	1	-46.902221276702	-24.239222955702	VS	100	1
-46.880494047502	-24.208449419817	VS	100	1	-46.901957810526	-24.239319928319	VS	100	1
-46.876715877515	-24.209276893602	VS	100	1	-46.901649183127	-24.239152893517	VS	100	1
-46.875653475788	-24.210008204381	VS	100	1	-46.901256944701	-24.240552841704	VS	100	1
-46.875391755731	-24.210207753202	VS	100	1	-46.90103472505	-24.240304787113	VS	100	1
-46.875665887632	-24.211816693437	VS	100	1	-46.900792246387	-24.240030172822	VS	100	1
-46.876466809969	-24.211324000546	VS	100	1	-46.754968373067	-24.16616072238	VS	100	1
-46.87665859889	-24.211536624037	VS	100	1	-46.755290378996	-24.166337108715	VS	100	1
-46.87690116998	-24.211820158976	VS	100	1	-46.755569266338	-24.166498102051	VS	100	1
-46.823389790491	-24.201013991693	VS	70	1	-46.754725280701	-24.1660221019	VS	100	1
-46.823253053425	-24.200282661884	VS	70	1	-46.754411462864	-24.165852506135	VS	100	1
-46.823255932949	-24.201243091803	VS	70	1	-46.754103249	-24.165685220784	VS	100	1
-46.823192105014	-24.202335172057	VS	70	1	-46.755002995549	-24.164816572718	VS	100	1
-46.82309014779	-24.200872614997	VS	70	1	-46.75468013147	-24.164646635434	VS	100	1
-46.823053404424	-24.201387277415	VS	70	1	-46.753879335031	-24.164208971219	VS	100	1
-46.82297943907	-24.201136638434	VS	70	1	-46.754322804254	-24.164789476404	VS	100	1
-46.822901754274	-24.200106768763	VS	70	1	-46.754162054656	-24.165049382951	VS	100	1
-46.823093857372	-24.203519180879	VS	70	1	-46.851660141916	-24.213058160485	VS	70	1
-46.82284149843	-24.200740680456	VS	70	1	-46.851517724977	-24.213750634718	VS	70	1
-46.822802503307	-24.20156760484	VS	70	1	-46.85038452784	-24.212451742898	VS	70	1
-46.82270275682	-24.200997126705	VS	70	1	-46.851807811805	-24.213542790592	VS	70	1
-46.822763326691	-24.203335877704	VS	70	1	-46.900560427516	-24.239791118765	VS	100	1
-46.780037680421	-24.155127499853	VS	70	1	-46.900337995058	-24.23953414929	VS	100	1
-46.780220918031	-24.155616089309	VS	70	1	-46.900055151789	-24.239410031797	VS	100	1
-46.780408726816	-24.156180492277	VS	70	1	-46.899906820585	-24.241673925244	VS	100	1
-46.780633057596	-24.156775117872	VS	70	1	-46.899813796413	-24.239581533094	VS	100	1
-46.87542491451	-24.211987952085	VS	100	1	-46.899770501371	-24.241018608839	VS	100	1
-46.87378021276	-24.211317106214	VS	100	1	-46.899675001088	-24.241434869693	VS	100	1
-46.873548935722	-24.209575966428	VS	100	1	-46.753972709639	-24.165345184963	VS	100	1
-46.87408983766	-24.209205786458	VS	100	1	-46.753802098065	-24.165605230663	VS	100	1
-46.87080653961	-24.21148963924	VS	100	1	-46.753794945567	-24.165509097199	VS	100	1
-46.87054578698	-24.211670180217	VS	100	1	-46.753474626011	-24.166492888179	VS	100	1
-46.870256310409	-24.211868604466	VS	100	1	-46.75381291447	-24.16668671686	VS	100	1
-46.869985742309	-24.212049229369	VS	100	1	-46.753253703784	-24.166492451306	VS	100	1
-46.86971539683	-24.212238767925	VS	100	1	-46.753102347527	-24.166734442972	VS	100	1
-46.869888087595	-24.211093663504	VS	100	1	-46.752960172819	-24.166949616986	VS	100	1
-46.870100364818	-24.211341807073	VS	100	1	-46.752789608168	-24.167209590239	VS	100	1
-46.870312865364	-24.211598891723	VS	100	1	-46.752712001706	-24.167179260952	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.822603042673	-24.200618690685	VS	70	1	-46.753205771121	-24.166342971665	VS	100	1
-46.822581845466	-24.200925365452	VS	70	1	-46.849096605785	-24.212806577232	VS	100	1
-46.822431813266	-24.203155909889	VS	70	1	-46.851437267029	-24.212814493044	VS	70	1
-46.822324778837	-24.200477088354	VS	70	1	-46.85119815275	-24.2125405115	VS	70	1
-46.822430918414	-24.20084565709	VS	70	1	-46.844444490594	-24.212644750846	VS	70	1
-46.822090326348	-24.202971943871	VS	70	1	-46.84359753401	-24.212529194815	VS	70	1
-46.781056401677	-24.158082954391	VS	70	1	-46.899582256237	-24.239752965215	VS	100	1
-46.781289815068	-24.158733476291	VS	70	1	-46.899567771836	-24.24116302908	VS	100	1
-46.883123432578	-24.23528093089	VS	100	1	-46.899530774086	-24.24036518119	VS	100	1
-46.818244330762	-24.191455570804	VS	100	1	-46.899442565031	-24.241169099141	VS	100	1
-46.820815866892	-24.193035515452	VS	100	1	-46.899349163052	-24.240170336309	VS	100	1
-46.820405002109	-24.193017818545	VS	100	1	-46.899297873394	-24.241370438183	VS	100	1
-46.822422863001	-24.191328593391	VS	100	1	-46.899251136704	-24.24097434072	VS	100	1
-46.822215180245	-24.191526725166	VS	100	1	-46.899109603029	-24.240104811793	VS	100	1
-46.821994104073	-24.191724732234	VS	100	1	-46.899123590504	-24.241787159743	VS	100	1
-46.82175426438	-24.191958558176	VS	100	1	-46.8990594841	-24.240770658668	VS	100	1
-46.821706536633	-24.191686866136	VS	100	1	-46.899037095296	-24.241551025134	VS	100	1
-46.821523774638	-24.192174509212	VS	100	1	-46.898858643737	-24.240285321093	VS	100	1
-46.873294383564	-24.23426082261	VS	100	1	-46.752838182273	-24.166149442441	VS	100	1
-46.872974968035	-24.233854786765	VS	100	1	-46.752539837332	-24.165982113794	VS	100	1
-46.872790207502	-24.231509358977	VS	100	1	-46.752193521338	-24.166203772141	VS	100	1
-46.872723727376	-24.23321423764	VS	100	1	-46.752524922197	-24.165683780653	VS	100	1
-46.872512266608	-24.231947958958	VS	100	1	-46.752727287791	-24.165367905952	VS	100	1
-46.87241361078	-24.23178013535	VS	100	1	-46.752352019535	-24.165253209577	VS	100	1
-46.872153295923	-24.231960361975	VS	100	1	-46.75202230219	-24.16506600938	VS	100	1
-46.871902109928	-24.23213190984	VS	100	1	-46.753011229533	-24.165067468835	VS	100	1
-46.871362526808	-24.23177058077	VS	100	1	-46.75341596527	-24.165168578638	VS	100	1
-46.871101912961	-24.232564983489	VS	70	1	-46.753287723556	-24.16522726306	VS	100	1
-46.870923707282	-24.232425058237	VS	100	1	-46.753577343226	-24.164935430582	VS	100	1
-46.874231596074	-24.232989930729	VS	100	1	-46.75352640027	-24.165359370378	VS	100	1
-46.822921750221	-24.202336592309	VS	250	1	-46.753055105711	-24.164859226478	VS	100	1
-46.822668010631	-24.202511359585	VS	250	1	-46.842525661404	-24.213996574741	VS	70	1
-46.822474806091	-24.202640842628	VS	150	1	-46.841821516183	-24.212937774311	VS	70	1
-46.821420476631	-24.19164437963	VS	100	1	-46.844323496943	-24.212505480123	VS	70	1
-46.82128389543	-24.192399254005	VS	100	1	-46.844168600443	-24.212845358127	VS	70	1
-46.82108560216	-24.191602328035	VS	70	1	-46.843964144607	-24.21297714036	VS	70	1
-46.821043623014	-24.192615241989	VS	100	1	-46.843859929792	-24.212821611915	VS	70	1
-46.82094505125	-24.192214991507	VS	100	1	-46.84328679066	-24.213084688858	VS	70	1
-46.820798981739	-24.19267328424	VS	100	1	-46.89885174099	-24.24053922187	VS	100	1
-46.820782981258	-24.192366147117	VS	100	1	-46.898881310066	-24.241521447256	VS	100	1
-46.820777778622	-24.192042275351	VS	100	1	-46.898822890128	-24.242342831047	VS	100	1
-46.820766427913	-24.191568911543	VS	100	1	-46.898699483783	-24.241317678336	VS	100	1
-46.820767526255	-24.191724350682	VS	100	1	-46.898635014019	-24.240292069902	VS	100	1
-46.820763112921	-24.193057544042	VS	100	1	-46.898588391279	-24.240483883215	VS	100	1
-46.874167175883	-24.232214818533	VS	100	1	-46.898600898019	-24.242103696605	VS	100	1
-46.874123002871	-24.233800937301	VS	100	1	-46.898564108313	-24.24189400581	VS	100	1
-46.874024946241	-24.232981984808	VS	100	1	-46.898507559831	-24.241105007794	VS	100	1
-46.873781581253	-24.232488681153	VS	100	1	-46.898442933394	-24.240070540937	VS	100	1
-46.873733090601	-24.231684689294	VS	100	1	-46.898368640871	-24.241846792637	VS	100	1
-46.87377534768	-24.234044632755	VS	100	1	-46.753471583598	-24.164204893857	VS	100	1
-46.873711096102	-24.232768385235	VS	100	1	-46.752723714513	-24.164912911294	VS	100	1
-46.873631862101	-24.232591279723	VS	100	1	-46.752769746375	-24.164693595053	VS	100	1
-46.780740520362	-24.173914978289	VS	70	1	-46.75293070351	-24.164442612363	VS	100	1
-46.822272073254	-24.202785165488	VS	150	1	-46.752423072477	-24.164748268392	VS	100	1
-46.822088906834	-24.202911254151	VS	150	1	-46.759449184157	-24.167207610834	VS	100	1
-46.82777301001	-24.200509869489	VS	100	1	-46.759220588766	-24.167084411482	VS	100	1
-46.827701671752	-24.201056602983	VS	100	1	-46.759001951773	-24.166970008905	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.827612560646	-24.200778790188	VS	100	1	-46.758773038999	-24.166846628833	VS	100	1
-46.827442288589	-24.201047774779	VS	100	1	-46.758474831062	-24.166688194994	VS	100	1
-46.827373586553	-24.200889578776	VS	100	1	-46.758176768207	-24.166529854844	VS	100	1
-46.873631870232	-24.233403395198	VS	100	1	-46.843064525054	-24.212827656455	VS	70	1
-46.873451151286	-24.232583027588	VS	100	1	-46.842852638829	-24.212588552229	VS	70	1
-46.873456721062	-24.23427024427	VS	100	1	-46.842523171543	-24.212589786609	VS	70	1
-46.873352264386	-24.231929972191	VS	100	1	-46.842284296548	-24.214167989945	VS	70	1
-46.873371024604	-24.232771845894	VS	100	1	-46.842251857085	-24.212781715411	VS	70	1
-46.87331302179	-24.233620092348	VS	100	1	-46.84204677783	-24.214413397305	VS	70	1
-46.872919256869	-24.231429326866	VS	100	1	-46.842044737312	-24.214331321491	VS	70	1
-46.873121808431	-24.232359340727	VS	100	1	-46.841953176673	-24.212995606989	VS	70	1
-46.873052177557	-24.232988542662	VS	100	1	-46.841762491689	-24.214200469047	VS	70	1
-46.873012043133	-24.232159478021	VS	100	1	-46.841682629868	-24.213190783354	VS	70	1
-46.827300611331	-24.201280857213	VS	100	1	-46.898337430554	-24.240664391447	VS	100	1
-46.827143980833	-24.201548655769	VS	100	1	-46.898372450256	-24.242792905106	VS	100	1
-46.827065386255	-24.200731340148	VS	100	1	-46.8983253871	-24.24089215852	VS	100	1
-46.826757464403	-24.200582070566	VS	100	1	-46.898332662336	-24.242065374791	VS	100	1
-46.826636674516	-24.200365752332	VS	70	1	-46.89823098628	-24.239840252343	VS	100	1
-46.826466683268	-24.200643570082	VS	100	1	-46.898176558847	-24.241625263117	VS	100	1
-46.826449399263	-24.200432697325	VS	100	1	-46.898123584075	-24.240670844517	VS	100	1
-46.826315833266	-24.200903492993	VS	100	1	-46.898150231906	-24.242553475375	VS	100	1
-46.826202750422	-24.201100663494	VS	100	1	-46.898019039914	-24.239609963549	VS	100	1
-46.873064154362	-24.234084187426	VS	100	1	-46.898062660103	-24.242272832553	VS	100	1
-46.872861634084	-24.232177185841	VS	100	1	-46.897921247807	-24.240431554913	VS	100	1
-46.872803810095	-24.233881019305	VS	100	1	-46.897918498737	-24.242288533084	VS	100	1
-46.872751846047	-24.232366496556	VS	100	1	-46.765097375283	-24.167808581552	VS	100	1
-46.872599133043	-24.230930971089	VS	100	1	-46.757838883884	-24.166353870219	VS	100	1
-46.872493506794	-24.233642556183	VS	100	1	-46.758779910918	-24.167039248032	VS	100	1
-46.87238682886	-24.230358462256	VS	100	1	-46.754701625842	-24.16770393535	VS	100	1
-46.872423407332	-24.232592182299	VS	100	1	-46.761911694239	-24.168085250375	VS	100	1
-46.872414703697	-24.233430847985	VS	100	1	-46.761627572665	-24.167946354169	VS	100	1
-46.872242305835	-24.231753780021	VS	100	1	-46.761315302164	-24.167768429824	VS	100	1
-46.872202854958	-24.231192872401	VS	100	1	-46.761057188842	-24.167645402889	VS	100	1
-46.872265867552	-24.233453692019	VS	100	1	-46.760798212361	-24.167486694997	VS	100	1
-46.872145108661	-24.230521080314	VS	100	1	-46.760577268602	-24.167376602789	VS	100	1
-46.87215279302	-24.232772805216	VS	100	1	-46.76184612082	-24.16531689875	VS	100	1
-46.871982626558	-24.231577380759	VS	100	1	-46.841492437401	-24.213997342464	VS	70	1
-46.871922641696	-24.231382494298	VS	100	1	-46.841365835534	-24.213409930479	VS	70	1
-46.871923066648	-24.233209846025	VS	100	1	-46.841292965642	-24.21317514932	VS	70	1
-46.871834551591	-24.233007223803	VS	100	1	-46.841247326387	-24.213831350042	VS	70	1
-46.871762265389	-24.231327096065	VS	100	1	-46.841068184001	-24.212939089284	VS	70	1
-46.870783347008	-24.232185637665	VS	100	1	-46.841073761114	-24.213621322871	VS	70	1
-46.871652353239	-24.231571970446	VS	100	1	-46.840944641649	-24.213604456175	VS	70	1
-46.8716824241453	-24.232997825425	VS	100	1	-46.840849088043	-24.212687830015	VS	70	1
-46.871593037754	-24.232348553396	VS	100	1	-46.840664133155	-24.213409697927	VS	70	1
-46.871530366964	-24.230189755234	VS	100	1	-46.840572412462	-24.212623451016	VS	70	1
-46.871381863523	-24.232767974369	VS	100	1	-46.840386397548	-24.212756102159	VS	70	1
-46.871284340597	-24.232583076843	VS	100	1	-46.840363342776	-24.213194143147	VS	70	1
-46.871231164916	-24.230406287953	VS	100	1	-46.840149424245	-24.212913100015	VS	70	1
-46.871013894004	-24.230735442445	VS	100	1	-46.897819088925	-24.239369629352	VS	100	1
-46.870979981611	-24.230577825551	VS	100	1	-46.897835742215	-24.241034312073	VS	100	1
-46.870744657806	-24.23058563254	VS	100	1	-46.897839034039	-24.24122545301	VS	100	1
-46.825392778229	-24.20343745539	VS	70	1	-46.89783017363	-24.243118305151	VS	100	1
-46.826107390753	-24.201309869767	VS	70	1	-46.897801552938	-24.242444571856	VS	100	1
-46.836057449962	-24.208649904878	VS	100	1	-46.897719117385	-24.240201188058	VS	100	1
-46.83522831244	-24.209324640895	VS	250	1	-46.89773599972	-24.24208399652	VS	100	1
-46.870719318334	-24.230767345188	VS	100	1	-46.897584472458	-24.239113806234	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.870636175326	-24.232157321493	VS	100	1	-46.897611188966	-24.2410051754	VS	100	1
-46.870458308711	-24.230938957391	VS	100	1	-46.897617998831	-24.242879091789	VS	100	1
-46.870429421752	-24.230411328083	VS	100	1	-46.897574953382	-24.241214896064	VS	100	1
-46.876143429924	-24.231670041366	VS	100	1	-46.897527038648	-24.23997965816	VS	100	1
-46.876041159173	-24.232464127268	VS	100	1	-46.802486626579	-24.194140288284	VS	100	1
-46.875573115219	-24.231246346347	VS	100	1	-46.760492639041	-24.166512845859	VS	100	1
-46.875511841849	-24.232093785292	VS	100	1	-46.760273973244	-24.166707046787	VS	100	1
-46.875127512557	-24.233105876855	VS	100	1	-46.759871038424	-24.166979131058	VS	100	1
-46.874499899707	-24.233548080674	VS	100	1	-46.760062273192	-24.167031959478	VS	100	1
-46.898472795993	-24.232575651654	VS	100	1	-46.760370733017	-24.167257832836	VS	100	1
-46.834398164949	-24.208464892816	VS	100	1	-46.760092571612	-24.167117107651	VS	100	1
-46.833234478049	-24.208407045962	VS	100	1	-46.759604723365	-24.166835011578	VS	100	1
-46.831347882627	-24.207481322679	VS	100	1	-46.760658769507	-24.166059958902	VS	100	1
-46.832444005987	-24.207458269445	VS	100	1	-46.760436829459	-24.166222171978	VS	100	1
-46.836671065483	-24.206996288224	VS	100	1	-46.760900327429	-24.165897597416	VS	100	1
-46.836347831845	-24.207458594455	VS	100	1	-46.839996185336	-24.212944160743	VS	70	1
-46.836593420062	-24.207535355351	VS	70	1	-46.839797646401	-24.21279962769	VS	70	1
-46.836149975907	-24.207636556164	VS	100	1	-46.897540760862	-24.242625155371	VS	100	1
-46.83591030796	-24.207547343112	VS	100	1	-46.897346576202	-24.23885389093	VS	100	1
-46.836139088792	-24.207796176978	VS	100	1	-46.897308467279	-24.239728505595	VS	100	1
-46.83600191225	-24.208032493163	VS	100	1	-46.897203739941	-24.242409565774	VS	100	1
-46.835844253804	-24.208269862204	VS	100	1	-46.89708263687	-24.239483567551	VS	100	1
-46.835629061885	-24.20834554735	VS	100	1	-46.897011874354	-24.242196958128	VS	100	1
-46.835636001092	-24.208592896129	VS	250	1	-46.896890550427	-24.239262036857	VS	100	1
-46.836051241719	-24.208525943588	VS	100	1	-46.896880394016	-24.241729126443	VS	100	1
-46.835853668622	-24.208683067157	VS	100	1	-46.896840091569	-24.242002033183	VS	100	1
-46.835506024178	-24.208864364288	VS	250	1	-46.89666835168	-24.239013986538	VS	100	1
-46.835354958042	-24.209115374184	VS	250	1	-46.761212706652	-24.165820718217	VS	100	1
-46.835159080658	-24.209152727991	VS	250	1	-46.760928347574	-24.165676396354	VS	100	1
-46.877229782134	-24.231855284623	VS	100	1	-46.760626114079	-24.165521406813	VS	100	1
-46.877030739144	-24.231805731222	VS	100	1	-46.760384250921	-24.165414654028	VS	100	1
-46.876956621843	-24.231851444254	VS	100	1	-46.760362155682	-24.165553554565	VS	100	1
-46.876966313025	-24.231686688744	VS	100	1	-46.760050777799	-24.165240446996	VS	100	1
-46.87664434584	-24.23147621092	VS	100	1	-46.759804418682	-24.165209632424	VS	100	1
-46.835624871935	-24.207452052819	VS	100	1	-46.759792358859	-24.165108430581	VS	100	1
-46.835327088458	-24.207355891943	VS	100	1	-46.759553464029	-24.165389905816	VS	100	1
-46.835022690205	-24.209652217632	VS	250	1	-46.75927326795	-24.165579308458	VS	100	1
-46.834273894086	-24.209672847367	VS	100	1	-46.760081969677	-24.165742968093	VS	100	1
-46.83417100093	-24.20962087287	VS	100	1	-46.7598211953	-24.165923311002	VS	100	1
-46.834773800733	-24.209057559343	VS	250	1	-46.759599410165	-24.166033597497	VS	100	1
-46.834457456104	-24.208974340061	VS	250	1	-46.897632469048	-24.238274460526	VS	100	1
-46.835188213673	-24.208278440151	VS	100	1	-46.898541620578	-24.239284651575	VS	100	1
-46.834851810895	-24.208173962538	VS	100	1	-46.89785467837	-24.238522518801	VS	100	1
-46.834727232602	-24.207924545896	VS	100	1	-46.898077094265	-24.23877948177	VS	100	1
-46.834878077427	-24.207664613597	VS	100	1	-46.898273100708	-24.238984021507	VS	100	1
-46.835029142247	-24.207413604035	VS	100	1	-46.898753567556	-24.239514939698	VS	100	1
-46.835189366864	-24.207135760703	VS	100	1	-46.898955474319	-24.239736381829	VS	100	1
-46.876682931244	-24.232040477139	VS	100	1	-46.899147125153	-24.239940072812	VS	100	1
-46.876595213528	-24.231497527046	VS	100	1	-46.900311079956	-24.240630480189	VS	70	1
-46.876433240285	-24.231471420603	VS	100	1	-46.900571639079	-24.240440976336	VS	70	1
-46.876320265252	-24.231245334149	VS	100	1	-46.900822596734	-24.24026046392	VS	70	1
-46.876373692542	-24.232248182582	VS	100	1	-46.897270712135	-24.242823575595	VS	100	1
-46.87624308216	-24.231217254493	VS	100	1	-46.897368591802	-24.243514931039	VS	100	1
-46.876070513764	-24.231102977262	VS	100	1	-46.759302954112	-24.165868560694	VS	100	1
-46.875988001155	-24.230145611914	VS	100	1	-46.75906047462	-24.165729675298	VS	100	1
-46.877436186484	-24.231516952753	VS	100	1	-46.758723169335	-24.165553429387	VS	100	1
-46.835349811706	-24.206866831072	VS	100	1	-46.758385923445	-24.165366807589	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.835482101984	-24.206651659685	VS	100	1	-46.758794047377	-24.165836418201	VS	100	1
-46.835577746358	-24.20645154237	VS	100	1	-46.75860133845	-24.166147721227	VS	100	1
-46.834566513073	-24.208184613222	VS	100	1	-46.759738682646	-24.166346871806	VS	100	1
-46.834547565327	-24.208052828727	VS	100	1	-46.759606328323	-24.166561966224	VS	100	1
-46.834255310501	-24.208713340396	VS	100	1	-46.759931308319	-24.166206734046	VS	100	1
-46.834094577549	-24.208973451708	VS	100	1	-46.760194338846	-24.166345559416	VS	100	1
-46.834086883984	-24.208877652223	VS	100	1	-46.759276721968	-24.166659007589	VS	100	1
-46.833962502667	-24.209197544161	VS	100	1	-46.75903473988	-24.166527916267	VS	100	1
-46.833849642165	-24.20940363477	VS	100	1	-46.75879405605	-24.166396211654	VS	100	1
-46.83536898519	-24.206346080493	VS	100	1	-46.868296853274	-24.183319311181	VS	70	1
-46.875843945383	-24.2310746395	VS	100	1	-46.868491307892	-24.183742084421	VS	70	1
-46.87584015351	-24.231895002626	VS	100	1	-46.869136009002	-24.184312009272	VS	70	1
-46.875823248847	-24.232636314637	VS	100	1	-46.897042885849	-24.242991135806	VS	100	1
-46.875829954978	-24.230975890825	VS	100	1	-46.896856288138	-24.243722613756	VS	100	1
-46.875630544774	-24.230389389801	VS	100	1	-46.896849208415	-24.243141016778	VS	100	1
-46.875470292603	-24.230389828416	VS	100	1	-46.788526559509	-24.178030057139	VS	100	1
-46.875403724402	-24.230706147573	VS	100	1	-46.758095234614	-24.166025526008	VS	100	1
-46.875418754319	-24.232911499074	VS	100	1	-46.757944652372	-24.165946033042	VS	100	1
-46.875283304347	-24.231444965359	VS	100	1	-46.757666291153	-24.165796382059	VS	100	1
-46.875208345501	-24.23232031695	VS	100	1	-46.757989388086	-24.165347890298	VS	100	1
-46.835100674513	-24.206214310469	VS	100	1	-46.757820734602	-24.165361961968	VS	100	1
-46.834832364151	-24.206082549051	VS	100	1	-46.757669171983	-24.165595046228	VS	100	1
-46.834996919519	-24.207205540335	VS	100	1	-46.759061641171	-24.165336855318	VS	100	1
-46.834658802984	-24.207029698257	VS	100	1	-46.758793088502	-24.165187137006	VS	100	1
-46.83432090809	-24.206862778521	VS	100	1	-46.758534561498	-24.165046262321	VS	100	1
-46.83426094063	-24.206660004638	VS	100	1	-46.75827603511	-24.164905387274	VS	100	1
-46.834093182231	-24.206907743065	VS	100	1	-46.757701575695	-24.165198517142	VS	100	1
-46.834024007256	-24.206717555837	VS	100	1	-46.75741339754	-24.165048934978	VS	100	1
-46.833874898401	-24.207119781831	VS	100	1	-46.757154958966	-24.164908123705	VS	100	1
-46.833659416798	-24.207330571603	VS	100	1	-46.757378545249	-24.165647064168	VS	100	1
-46.833417629118	-24.206412500907	VS	100	1	-46.757060431107	-24.165479806126	VS	100	1
-46.834294317152	-24.207922722799	VS	100	1	-46.756732585946	-24.165312663993	VS	100	1
-46.875101379677	-24.230160834448	VS	100	1	-46.757977571489	-24.164746810648	VS	100	1
-46.874969322019	-24.231659193196	VS	100	1	-46.75766956004	-24.164588454342	VS	100	1
-46.874874633235	-24.2335568111	VS	100	1	-46.757371564461	-24.164438941319	VS	100	1
-46.874869886133	-24.232551948804	VS	100	1	-46.758313738836	-24.16461765175	VS	100	1
-46.874731896078	-24.233379776341	VS	100	1	-46.758231288882	-24.164254426766	VS	100	1
-46.874629754153	-24.231890794572	VS	100	1	-46.757893409964	-24.164078443046	VS	100	1
-46.874589772675	-24.233359165587	VS	100	1	-46.757584779591	-24.163910927755	VS	100	1
-46.833999106606	-24.207769900458	VS	100	1	-46.757319520583	-24.163945955277	VS	100	1
-46.833610845363	-24.207575975513	VS	100	1	-46.757274093058	-24.164259475929	VS	100	1
-46.833826434994	-24.207687586584	VS	100	1	-46.835480085948	-24.159052463037	VS	70	1
-46.833288694385	-24.207416436204	VS	100	1	-46.835442772775	-24.159195926423	VS	70	1
-46.832851827079	-24.207194986039	VS	100	1	-46.757109388018	-24.164520330961	VS	100	1
-46.833467255006	-24.207596195667	VS	100	1	-46.757063458261	-24.164280527207	VS	100	1
-46.83335567961	-24.207855822728	VS	100	1	-46.756755233676	-24.164113246985	VS	100	1
-46.83323060806	-24.208148908257	VS	100	1	-46.756485655037	-24.163970943381	VS	100	1
-46.833124966452	-24.208417668634	VS	100	1	-46.756797327428	-24.164732200175	VS	100	1
-46.83352210206	-24.208563421708	VS	100	1	-46.756489112105	-24.164564919591	VS	100	1
-46.833808325393	-24.208728116534	VS	100	1	-46.756807831138	-24.164992536827	VS	100	1
-46.833524661942	-24.209277999613	VS	100	1	-46.756414193405	-24.165145261781	VS	100	1
-46.874559196958	-24.232762432832	VS	100	1	-46.756086221421	-24.16496924362	VS	100	1
-46.874235238687	-24.232166021315	VS	100	1	-46.755778995255	-24.16452935981	VS	100	1
-46.874340125432	-24.233191607625	VS	100	1	-46.755959153062	-24.164260390511	VS	100	1
-46.880428482286	-24.233721541092	VS	100	1	-46.756129810171	-24.1640002618	VS	100	1
-46.878074099671	-24.234865563401	VS	100	1	-46.835240358399	-24.159286314239	VS	70	1
-46.877845527417	-24.234370925394	VS	100	1	-46.835083364627	-24.159438333932	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.881608901767	-24.234660285526	VS	100	1	-46.834799011296	-24.159709147243	VS	70	1
-46.832977097142	-24.208987482238	VS	100	1	-46.834569070659	-24.159942931162	VS	70	1
-46.832935362285	-24.208899820172	VS	100	1	-46.834317258713	-24.160178117998	VS	70	1
-46.833038713593	-24.208658847982	VS	100	1	-46.834079888485	-24.160419731137	VS	70	1
-46.832628696563	-24.208793853387	VS	100	1	-46.833859644201	-24.16064443821	VS	70	1
-46.832401625321	-24.208667437007	VS	100	1	-46.833629488919	-24.160869297499	VS	70	1
-46.832966324098	-24.208258353016	VS	100	1	-46.834793943129	-24.160334007136	VS	70	1
-46.832678462256	-24.208104494344	VS	100	1	-46.834533889983	-24.160119920388	VS	70	1
-46.832415042434	-24.207971356817	VS	100	1	-46.834362244731	-24.160755190749	VS	70	1
-46.832136383738	-24.207812952902	VS	100	1	-46.834271925373	-24.159900876226	VS	70	1
-46.831848026388	-24.207663506178	VS	100	1	-46.834118929962	-24.160554300896	VS	70	1
-46.831215988356	-24.207320601968	VS	100	1	-46.755430009388	-24.164617080783	VS	100	1
-46.8308983268	-24.207154346828	VS	100	1	-46.755112238445	-24.164450009073	VS	100	1
-46.891419616819	-24.229936390939	VS	100	1	-46.754814041032	-24.164291578418	VS	100	1
-46.881498474317	-24.23152190352	VS	100	1	-46.754630018394	-24.164264188558	VS	100	1
-46.881467383655	-24.231767201002	VS	100	1	-46.754515385197	-24.164141672163	VS	100	1
-46.878838906413	-24.228334618035	VS	100	1	-46.754824583829	-24.164018936645	VS	100	1
-46.868656262123	-24.223144235665	VS	70	1	-46.754227374227	-24.163983389285	VS	100	1
-46.881386869709	-24.234813687517	VS	100	1	-46.7606664669	-24.164802259201	VS	100	1
-46.881340831495	-24.235255417719	VS	100	1	-46.760751708111	-24.164578008248	VS	100	1
-46.881145503328	-24.234985165976	VS	100	1	-46.760982825829	-24.16438894905	VS	100	1
-46.880951717161	-24.235120957324	VS	100	1	-46.761253248521	-24.164199577126	VS	100	1
-46.880748748123	-24.233765269964	VS	100	1	-46.761839113136	-24.165409365716	VS	100	1
-46.880715983991	-24.23567731925	VS	100	1	-46.76037792474	-24.16464367474	VS	100	1
-46.830574175535	-24.20698093474	VS	100	1	-46.834011574282	-24.159688755147	VS	70	1
-46.830289816095	-24.206804555833	VS	100	1	-46.833881287422	-24.160348525879	VS	70	1
-46.82996810966	-24.206503415845	VS	100	1	-46.833761043181	-24.159476559724	VS	70	1
-46.829676411837	-24.206263623098	VS	100	1	-46.833591065934	-24.16011878991	VS	70	1
-46.830274324737	-24.207074460057	VS	100	1	-46.833510619352	-24.15927318468	VS	70	1
-46.830140673423	-24.207425514883	VS	100	1	-46.833270120477	-24.159069828379	VS	70	1
-46.830121422526	-24.207323078355	VS	100	1	-46.833120888823	-24.160568543944	VS	70	1
-46.830434549999	-24.207585592599	VS	100	1	-46.833019916286	-24.158857929445	VS	70	1
-46.831507846978	-24.207299191744	VS	100	1	-46.832890418887	-24.16037403558	VS	70	1
-46.83173936417	-24.207037732745	VS	100	1	-46.832629887072	-24.160153017435	VS	70	1
-46.831920356517	-24.206828976055	VS	100	1	-46.760070115758	-24.164494245045	VS	100	1
-46.832718847251	-24.207006575345	VS	100	1	-46.760020643308	-24.164392857924	VS	100	1
-46.832549801387	-24.207042362174	VS	100	1	-46.759704095137	-24.16418030077	VS	100	1
-46.880652983446	-24.235328171773	VS	100	1	-46.759979114596	-24.163983296896	VS	100	1
-46.880543450864	-24.233200757452	VS	100	1	-46.76024958626	-24.16420420818	VS	100	1
-46.880562232739	-24.23396898958	VS	100	1	-46.760471728622	-24.16405091702	VS	100	1
-46.880469309591	-24.235454652052	VS	100	1	-46.759478966172	-24.164179981679	VS	100	1
-46.88039265653	-24.23463846152	VS	100	1	-46.766981399534	-24.169520458203	VS	100	1
-46.880307625347	-24.233337996296	VS	100	1	-46.766776215938	-24.169420242607	VS	100	1
-46.880274243313	-24.234162645533	VS	100	1	-46.753610936663	-24.164059330065	VS	100	1
-46.880189827206	-24.234406992566	VS	100	1	-46.756968646649	-24.16475096629	VS	100	1
-46.880198346851	-24.235635496881	VS	100	1	-46.758257939887	-24.165497609946	VS	100	1
-46.880139329414	-24.233545392122	VS	100	1	-46.771933589647	-24.172124657187	VS	100	1
-46.880146727659	-24.236092502031	VS	100	1	-46.7707078242865	-24.172291398487	VS	100	1
-46.879998721859	-24.233554563657	VS	100	1	-46.770448737508	-24.171695504072	VS	100	1
-46.878044794315	-24.237133841102	VS	100	1	-46.769843712949	-24.172265223325	VS	100	1
-46.880012860106	-24.234352649243	VS	100	1	-46.769811504496	-24.172146322791	VS	100	1
-46.832575489067	-24.207235451474	VS	100	1	-46.771885978196	-24.171462010339	VS	100	1
-46.832274228744	-24.207734945763	VS	100	1	-46.771783895044	-24.17122110807	VS	100	1
-46.83209222183	-24.20804782883	VS	100	1	-46.771702046504	-24.172295879516	VS	100	1
-46.831944224366	-24.208272384466	VS	100	1	-46.771586756143	-24.17166932683	VS	100	1
-46.832883661225	-24.206736443234	VS	100	1	-46.802425597412	-24.195088074473	VS	100	1
-46.833055403921	-24.20646150579	VS	100	1	-46.771535875903	-24.171106978448	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.833198718705	-24.206202514053	VS	100	1	-46.771450882823	-24.172467259646	VS	100	1
-46.833350116807	-24.205959107004	VS	100	1	-46.771316277844	-24.171858751622	VS	100	1
-46.833485745039	-24.205721488817	VS	100	1	-46.771221489367	-24.171163384008	VS	100	1
-46.833038911417	-24.206230241842	VS	100	1	-46.771168995344	-24.170940312452	VS	100	1
-46.832422249433	-24.205904867887	VS	100	1	-46.771199955855	-24.172647526262	VS	100	1
-46.833651150768	-24.205495559616	VS	70	1	-46.770997667862	-24.172084154497	VS	100	1
-46.879903169362	-24.235507935576	VS	100	1	-46.770960508547	-24.171334824393	VS	100	1
-46.879909132363	-24.235833761905	VS	100	1	-46.770939394859	-24.172836810848	VS	100	1
-46.879835963073	-24.233352357229	VS	100	1	-46.770851178335	-24.170782076886	VS	100	1
-46.879785921339	-24.233699179123	VS	100	1	-46.77070953293	-24.171515134102	VS	100	1
-46.879680789482	-24.235250942237	VS	100	1	-46.770690659476	-24.17075816196	VS	100	1
-46.879705365846	-24.232972416132	VS	100	1	-46.770689211365	-24.172731923593	VS	100	1
-46.879657765972	-24.236005426242	VS	100	1	-46.770594824845	-24.170828517233	VS	100	1
-46.879560492434	-24.233175189759	VS	100	1	-46.770513774472	-24.170614993191	VS	100	1
-46.879535134425	-24.233879542249	VS	100	1	-46.770450499664	-24.172599848002	VS	100	1
-46.87946822631	-24.234993863223	VS	100	1	-46.770418656606	-24.172498736507	VS	100	1
-46.879458071588	-24.234677606966	VS	100	1	-46.770335696921	-24.171009023633	VS	100	1
-46.879400334417	-24.233193622512	VS	100	1	-46.77013953289	-24.171902990814	VS	100	1
-46.833857228056	-24.205601842642	VS	70	1	-46.770063918991	-24.171189890263	VS	100	1
-46.834085519091	-24.20571032074	VS	70	1	-46.769901565157	-24.170284140879	VS	100	1
-46.833357534091	-24.205346504001	VS	70	1	-46.769833889767	-24.170507344675	VS	100	1
-46.831524697771	-24.206523179436	VS	100	1	-46.769822553493	-24.171369599909	VS	100	1
-46.831197416348	-24.206391842165	VS	100	1	-46.769578947555	-24.170113364098	VS	100	1
-46.830879595576	-24.206242605222	VS	100	1	-46.869559193288	-24.215703852793	VS	70	1
-46.830614447013	-24.206518621466	VS	100	1	-46.775235514526	-24.151677456103	VS	70	1
-46.830584828956	-24.206042941684	VS	100	1	-46.774897636393	-24.15150151136	VS	70	1
-46.830284414444	-24.205804263534	VS	100	1	-46.848682737139	-24.162383097219	VS	100	1
-46.830013449009	-24.205565373548	VS	100	1	-46.89353022711	-24.23370727532	VS	100	1
-46.832084071652	-24.205737773731	VS	100	1	-46.836745471412	-24.196093914414	VS	100	1
-46.879392792085	-24.236188009645	VS	100	1	-46.836888617939	-24.195849689775	VS	100	1
-46.879291283438	-24.233007857276	VS	100	1	-46.88969301789	-24.236172959358	VS	100	1
-46.879312851324	-24.234033087547	VS	100	1	-46.781528924957	-24.175604672813	VS	250	1
-46.879149153859	-24.233365174339	VS	100	1	-46.781874898857	-24.17576816775	VS	250	1
-46.879136439928	-24.236366354174	VS	100	1	-46.82710578394	-24.199458678309	VS	70	1
-46.879095108402	-24.236065283686	VS	100	1	-46.80824001711	-24.192363870051	VS	250	1
-46.878981608826	-24.232796175209	VS	100	1	-46.734652519263	-24.150522568509	VS	100	1
-46.878984924189	-24.235002486317	VS	100	1	-46.734355779819	-24.15072211759	VS	100	1
-46.87889796283	-24.23353672539	VS	100	1	-46.734430548445	-24.150520040364	VS	100	1
-46.878752616537	-24.232815120961	VS	100	1	-46.734697453719	-24.150751690025	VS	100	1
-46.878682479212	-24.232611214765	VS	100	1	-46.734919768301	-24.151026644771	VS	100	1
-46.831786013452	-24.205579667554	VS	100	1	-46.735111794987	-24.151266087205	VS	100	1
-46.831438086021	-24.205411971328	VS	100	1	-46.73416148395	-24.1508490312	VS	100	1
-46.832098087843	-24.2084971711	VS	100	1	-46.733987777011	-24.150975177827	VS	100	1
-46.8315235517	-24.208160018076	VS	100	1	-46.734911061447	-24.150335923097	VS	100	1
-46.83129134409	-24.208031412819	VS	100	1	-46.733126613589	-24.150627560498	VS	100	1
-46.831101333986	-24.207939739852	VS	100	1	-46.733394896669	-24.150768394071	VS	100	1
-46.830756949672	-24.207752158982	VS	100	1	-46.733742431038	-24.150944316814	VS	100	1
-46.83117806356	-24.207676256565	VS	100	1	-46.734318486056	-24.151243459373	VS	100	1
-46.832030146051	-24.206659516294	VS	100	1	-46.734606697875	-24.15139313427	VS	100	1
-46.832352475583	-24.205711427021	VS	70	1	-46.734964229573	-24.151577872064	VS	100	1
-46.832487591758	-24.205476897403	VS	70	1	-46.735235237813	-24.151720203542	VS	100	1
-46.878733749052	-24.23517403714	VS	100	1	-46.732481289302	-24.150310976095	VS	100	1
-46.878646994639	-24.23371719924	VS	100	1	-46.732818876604	-24.150478084486	VS	100	1
-46.878660167435	-24.235551209223	VS	100	1	-46.733990837364	-24.151076352752	VS	100	1
-46.878578545811	-24.234529715466	VS	100	1	-46.732233126474	-24.150022014711	VS	70	1
-46.878452980481	-24.233013822352	VS	100	1	-46.732104024004	-24.150207819141	VS	100	1
-46.878468204521	-24.235364276472	VS	100	1	-46.73177595634	-24.149950146494	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.878462866356	-24.235115512773	VS	100	1	-46.722570157854	-24.14490889852	VS	100	1
-46.878415015748	-24.23387075066	VS	100	1	-46.731418328775	-24.149765336368	VS	100	1
-46.878317759554	-24.234710264831	VS	100	1	-46.731080531597	-24.149589303207	VS	100	1
-46.878270607789	-24.234885040553	VS	100	1	-46.730794513502	-24.149451025255	VS	100	1
-46.878250764681	-24.235508078163	VS	100	1	-46.730514598084	-24.149298556442	VS	100	1
-46.878173434776	-24.23403329206	VS	100	1	-46.730218646953	-24.149149992134	VS	100	1
-46.831922171863	-24.20195909369	VS	70	1	-46.729897114256	-24.148986033309	VS	100	1
-46.831641175117	-24.202445592063	VS	70	1	-46.732145680329	-24.148909532391	VS	100	1
-46.831450241019	-24.202747916049	VS	70	1	-46.732525694756	-24.149375272995	VS	100	1
-46.83097810389	-24.203527786656	VS	70	1	-46.732747826241	-24.149641344921	VS	100	1
-46.83059010072	-24.203568416157	VS	70	1	-46.732648319786	-24.149847461166	VS	100	1
-46.833461361249	-24.200476785861	VS	70	1	-46.732941779883	-24.14964105311	VS	100	1
-46.833183206175	-24.201624976414	VS	70	1	-46.732380711869	-24.150035155706	VS	100	1
-46.832941575217	-24.202440742189	VS	70	1	-46.841503875789	-24.198764427882	VS	100	1
-46.832905085182	-24.201493277632	VS	70	1	-46.773712081139	-24.152738057298	VS	70	1
-46.832825338459	-24.200160497169	VS	70	1	-46.770248652111	-24.157070389723	VS	100	1
-46.832790534905	-24.202691714539	VS	70	1	-46.730181441743	-24.148503866393	VS	100	1
-46.878154594711	-24.23630709254	VS	100	1	-46.82093658486	-24.182653222098	VS	100	1
-46.878051805673	-24.234618170154	VS	100	1	-46.821501817956	-24.182431124668	VS	70	1
-46.878009179814	-24.23567062784	VS	100	1	-46.822813214999	-24.183222162292	VS	70	1
-46.877932066531	-24.234204765033	VS	100	1	-46.827024040839	-24.205734790852	VS	70	1
-46.877932217628	-24.236050096941	VS	100	1	-46.827665904771	-24.185876648431	VS	70	1
-46.877847747283	-24.235026272027	VS	100	1	-46.827386412278	-24.185816286275	VS	70	1
-46.877685079912	-24.234378167925	VS	100	1	-46.827463815403	-24.185544392354	VS	70	1
-46.877633211728	-24.234122795334	VS	100	1	-46.827527151216	-24.185320835474	VS	70	1
-46.877608221844	-24.235189922881	VS	100	1	-46.788905072965	-24.158548959647	VS	100	1
-46.877516600176	-24.23601364763	VS	100	1	-46.788724865207	-24.158293987243	VS	100	1
-46.877449265156	-24.234538691429	VS	100	1	-46.788557103765	-24.158051998986	VS	100	1
-46.877351344063	-24.235360486943	VS	100	1	-46.883478760776	-24.226905406942	VS	70	1
-46.832714939516	-24.202508014108	VS	70	1	-46.883743596936	-24.227060593852	VS	70	1
-46.832639693674	-24.202951645107	VS	70	1	-46.884029688747	-24.22722439867	VS	70	1
-46.832557173649	-24.201317507004	VS	70	1	-46.883914935673	-24.227058354417	VS	70	1
-46.832487453541	-24.199993575761	VS	70	1	-46.883646549018	-24.227250016337	VS	70	1
-46.832479249835	-24.203220571866	VS	70	1	-46.883363821908	-24.227448222944	VS	70	1
-46.832377058882	-24.202341091938	VS	70	1	-46.788227245944	-24.157558342556	VS	100	1
-46.832343441652	-24.203442036519	VS	70	1	-46.788392164595	-24.157805175052	VS	100	1
-46.832239199725	-24.201159389024	VS	70	1	-46.79670850537	-24.160452189594	VS	70	1
-46.83211481061	-24.203271137675	VS	70	1	-46.796456165078	-24.160159711163	VS	70	1
-46.832048991778	-24.202174095409	VS	70	1	-46.796204442153	-24.159885299183	VS	70	1
-46.831911135931	-24.200992383607	VS	70	1	-46.797340391158	-24.16036898443	VS	70	1
-46.831799994261	-24.202173745611	VS	70	1	-46.79677055099	-24.160756933524	VS	70	1
-46.831787106907	-24.203113148379	VS	70	1	-46.796500238777	-24.160946342596	VS	70	1
-46.877304335385	-24.235535347219	VS	100	1	-46.796748204837	-24.160230657095	VS	70	1
-46.87728482941	-24.236176110565	VS	100	1	-46.796429603534	-24.160456149129	VS	70	1
-46.877207691619	-24.234701231211	VS	100	1	-46.796081958011	-24.160708805749	VS	70	1
-46.877110493735	-24.235531638645	VS	100	1	-46.796506075428	-24.159554511992	VS	70	1
-46.877081729001	-24.235269400176	VS	100	1	-46.797991083247	-24.159762023618	VS	70	1
-46.877052844261	-24.236329659044	VS	100	1	-46.797839605774	-24.159584712742	VS	70	1
-46.876956505393	-24.234872778586	VS	100	1	-46.797556906646	-24.159256687367	VS	70	1
-46.87683930622	-24.235712615079	VS	100	1	-46.797173326754	-24.158813450174	VS	70	1
-46.876704904456	-24.235035523214	VS	100	1	-46.798209136211	-24.159764766997	VS	70	1
-46.876664324434	-24.234765579707	VS	100	1	-46.797929448784	-24.15996302645	VS	70	1
-46.876536202715	-24.235930088839	VS	100	1	-46.785050007623	-24.181863299629	VS	150	1
-46.876444105085	-24.235216068585	VS	100	1	-46.797639720717	-24.160161504102	VS	70	1
-46.831544926074	-24.202986777595	VS	70	1	-46.797607790638	-24.159644204196	VS	70	1
-46.831280655812	-24.203043620977	VS	70	1	-46.797366282909	-24.159806632211	VS	70	1
-46.83121873195	-24.202821723916	VS	70	1	-46.797047534807	-24.160023178019	VS	70	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.8311296006	-24.203294626882	VS	70	1	-46.797712945545	-24.158706581221	VS	70	1
-46.831075252807	-24.201690970213	VS	70	1	-46.797413619872	-24.158914062205	VS	70	1
-46.83089844571	-24.202662124001	VS	70	1	-46.79711429386	-24.159121524447	VS	70	1
-46.83082682218	-24.201758940287	VS	70	1	-46.796814795298	-24.159329125478	VS	70	1
-46.83066359623	-24.202038986599	VS	70	1	-46.797395193955	-24.159061612019	VS	70	1
-46.830564362221	-24.202497907717	VS	70	1	-46.753667379882	-24.162362878538	VS	70	1
-46.830493538227	-24.202316906909	VS	70	1	-46.88478421209	-24.22949052743	VS	100	1
-46.830333322335	-24.202594727096	VS	70	1	-46.88510038545	-24.229275118911	VS	100	1
-46.830276171015	-24.202357344833	VS	70	1	-46.885416557787	-24.229059709585	VS	100	1
-46.876321278196	-24.236079951579	VS	100	1	-46.885724802267	-24.228845888166	VS	100	1
-46.876202732458	-24.235387538172	VS	100	1	-46.886345614434	-24.228405718994	VS	100	1
-46.876006560513	-24.23613079226	VS	100	1	-46.885929772732	-24.228359731694	VS	100	1
-46.875961196035	-24.235550049566	VS	100	1	-46.886037207526	-24.228624956423	VS	100	1
-46.875703668967	-24.235936202151	VS	100	1	-46.886422492914	-24.228354404129	VS	100	1
-46.875690792506	-24.235739592586	VS	100	1	-46.886673878753	-24.22819176091	VS	70	1
-46.875506973471	-24.235044965549	VS	100	1	-46.887134152262	-24.227885763385	VS	70	1
-46.875470899303	-24.23577958055	VS	100	1	-46.886925039865	-24.228020193809	VS	70	1
-46.875226707512	-24.235243671241	VS	100	1	-46.779373364244	-24.164732667634	VS	100	1
-46.875246438106	-24.235619938282	VS	100	1	-46.77908381829	-24.1649400269	VS	100	1
-46.879631886113	-24.236464896176	VS	100	1	-46.778803676683	-24.165129443512	VS	100	1
-46.83029193228	-24.203419032299	VS	70	1	-46.778542934367	-24.165309831681	VS	100	1
-46.830059584483	-24.203051902068	VS	70	1	-46.778584099489	-24.165483722743	VS	100	1
-46.830004393208	-24.20221717736	VS	70	1	-46.778786100046	-24.16572312699	VS	100	1
-46.829983711983	-24.203260798048	VS	70	1	-46.778311174943	-24.165472162048	VS	100	1
-46.829731442172	-24.203137610083	VS	70	1	-46.908033272703	-24.241415058358	VS	100	1
-46.829677051574	-24.202039205345	VS	70	1	-46.787203114327	-24.156056282485	VS	100	1
-46.829456968672	-24.202997187284	VS	70	1	-46.787027643708	-24.15588012944	VS	100	1
-46.829391859617	-24.20208566243	VS	70	1	-46.78039069311	-24.177317600924	VS	100	1
-46.829250404482	-24.202327669922	VS	70	1	-46.779653029598	-24.176418641654	VS	100	1
-46.829171781439	-24.200435340121	VS	70	1	-46.779454182236	-24.176313044975	VS	100	1
-46.829218560751	-24.202883025075	VS	70	1	-46.779505714265	-24.176180680817	VS	100	1
-46.829099557158	-24.202587596059	VS	70	1	-46.779145836725	-24.176145764692	VS	100	1
-46.87838572451	-24.237558602411	VS	100	1	-46.779256908326	-24.17635179697	VS	100	1
-46.877507322627	-24.236985600123	VS	100	1	-46.790430147226	-24.175195302286	VS	100	1
-46.879053140129	-24.236897876629	VS	100	1	-46.789944002537	-24.175186446697	VS	100	1
-46.878855612961	-24.236565430358	VS	100	1	-46.787312213088	-24.15570687347	VS	100	1
-46.87838275374	-24.236562279161	VS	100	1	-46.787569973193	-24.155549581672	VS	100	1
-46.878126247918	-24.237391134352	VS	100	1	-46.824919843485	-24.181762460071	VS	70	1
-46.877816779698	-24.237188371861	VS	100	1	-46.82543137406	-24.2006463282	VS	70	1
-46.877227993487	-24.23680936916	VS	100	1	-46.891275898036	-24.238629229903	VS	100	1
-46.876968512891	-24.236650654256	VS	100	1	-46.866609169393	-24.220281075995	VS	100	1
-46.876769932041	-24.236524103106	VS	100	1	-46.86658760893	-24.219358379252	VS	70	1
-46.881692208307	-24.236434987925	VS	100	1	-46.866396878111	-24.220032917391	VS	70	1
-46.878353639621	-24.23691733159	VS	100	1	-46.866324812454	-24.219542127848	VS	70	1
-46.828803498549	-24.201044960724	VS	70	1	-46.866181169305	-24.219790138563	VS	70	1
-46.828705270079	-24.201548564156	VS	70	1	-46.865951718651	-24.219526933486	VS	70	1
-46.828643050326	-24.201313882703	VS	70	1	-46.865740130488	-24.219279604809	VS	70	1
-46.828671926386	-24.202610634796	VS	70	1	-46.861746216413	-24.217596205433	VS	70	1
-46.828469206385	-24.201589045823	VS	70	1	-46.861465632263	-24.217786060993	VS	70	1
-46.828393598967	-24.202470005438	VS	70	1	-46.862955807218	-24.217676082041	VS	70	1
-46.82831976526	-24.201834169242	VS	70	1	-46.862718973493	-24.217727990837	VS	70	1
-46.828227224438	-24.201988348304	VS	70	1	-46.732844875777	-24.152688943773	VS	100	1
-46.828075590566	-24.202311850958	VS	70	1	-46.733103221879	-24.15251785726	VS	100	1
-46.82800426882	-24.201206761676	VS	100	1	-46.733357209101	-24.152337786041	VS	100	1
-46.83243275048	-24.203429237483	VS	100	1	-46.732619609271	-24.152564198335	VS	100	1
-46.833062931701	-24.20268382301	VS	100	1	-46.732391000485	-24.152438042729	VS	100	1
-46.86656412288	-24.222284743255	VS	70	1	-46.735124548334	-24.153298201502	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.863787970167	-24.225637856992	VS	70	1	-46.734883409717	-24.153478356048	VS	100	1
-46.863527177399	-24.225818380428	VS	70	1	-46.862484170721	-24.217449443484	VS	70	1
-46.863169270472	-24.225340990499	VS	70	1	-46.862248049474	-24.217235371704	VS	70	1
-46.862930435906	-24.225510767986	VS	70	1	-46.862026105139	-24.217397737788	VS	70	1
-46.862669652272	-24.225691290088	VS	70	1	-46.861812570293	-24.216703566605	VS	70	1
-46.862118637452	-24.224169503129	VS	70	1	-46.735636491305	-24.152946591966	VS	100	1
-46.861661589385	-24.225759600226	VS	100	1	-46.735588593661	-24.152607670467	VS	100	1
-46.86119385285	-24.225702946094	VS	70	1	-46.734923461953	-24.152261627932	VS	100	1
-46.866512184343	-24.22296612049	VS	70	1	-46.735962259574	-24.152799313127	VS	100	1
-46.866510684852	-24.223706691018	VS	70	1	-46.736311017241	-24.152989554567	VS	100	1
-46.866311144756	-24.222474167925	VS	70	1	-46.736497996527	-24.153082778384	VS	100	1
-46.833390780795	-24.202841903737	VS	100	1	-46.736804808112	-24.153366235781	VS	100	1
-46.833613658494	-24.202962513625	VS	100	1	-46.736760995964	-24.153217022077	VS	100	1
-46.833709423057	-24.203185562544	VS	100	1	-46.736996037182	-24.153340214379	VS	100	1
-46.833592897934	-24.201356095895	VS	70	1	-46.737245765638	-24.153470560908	VS	100	1
-46.833491292423	-24.201783137368	VS	70	1	-46.73594432642	-24.153383584273	VS	100	1
-46.833441628816	-24.201598182063	VS	70	1	-46.860442735976	-24.216202955304	VS	70	1
-46.833281450338	-24.201875980159	VS	70	1	-46.860046661415	-24.216977553413	VS	70	1
-46.833111398131	-24.202153895203	VS	70	1	-46.85986497005	-24.216773832583	VS	70	1
-46.832760820889	-24.203596242676	VS	70	1	-46.859646385494	-24.216563958602	VS	70	1
-46.829731738144	-24.201520910068	VS	70	1	-46.86145873379	-24.216213032599	VS	70	1
-46.835111826686	-24.202609369791	VS	70	1	-46.860162494923	-24.216392592513	VS	70	1
-46.834803610741	-24.202451136037	VS	70	1	-46.860190411704	-24.217840639635	VS	100	1
-46.834505207929	-24.202292836885	VS	70	1	-46.859882516152	-24.216591108287	VS	70	1
-46.866230918914	-24.223914140759	VS	70	1	-46.859827363063	-24.216062748242	VS	70	1
-46.866021344112	-24.222672779148	VS	70	1	-46.77933372559	-24.180551194174	VS	150	1
-46.865995320459	-24.222425871293	VS	70	1	-46.779161028945	-24.180844481815	VS	150	1
-46.865968332839	-24.224930741376	VS	70	1	-46.781014084983	-24.179920812592	VS	250	2
-46.865716465326	-24.222267462167	VS	70	1	-46.781192968887	-24.179598239386	VS	250	2
-46.86566870109	-24.22512942647	VS	70	1	-46.780806402521	-24.18027031044	VS	250	2
-46.834316999621	-24.202148086025	VS	70	1	-46.780665100847	-24.180521186138	VS	250	2
-46.834189822845	-24.202382042105	VS	70	1	-46.780530101777	-24.180750769976	VS	250	2
-46.834177319669	-24.20213473947	VS	70	1	-46.781353473873	-24.179329385964	VS	250	2
-46.834020724142	-24.202656666493	VS	70	1	-46.778383798696	-24.177276765313	VS	100	1
-46.833888657466	-24.202880759887	VS	100	1	-46.859643030862	-24.216534573311	VS	70	1
-46.865662679165	-24.223570681069	VS	70	1	-46.859602546657	-24.216789614682	VS	70	1
-46.834486410936	-24.201884045612	VS	70	1	-46.859552749265	-24.216257415307	VS	70	1
-46.834967279516	-24.203640930216	VS	70	1	-46.859370183107	-24.216215575787	VS	70	1
-46.833968699267	-24.20313778348	VS	70	1	-46.866045928703	-24.219751793206	VS	70	1
-46.834295670116	-24.203302988203	VS	70	1	-46.865950672792	-24.220387262156	VS	100	1
-46.834619736538	-24.203472891304	VS	70	1	-46.865779551667	-24.219927950734	VS	100	1
-46.836540495734	-24.200469015748	VS	250	1	-46.865717073848	-24.220102439896	VS	100	1
-46.836257676853	-24.200952941609	VS	250	1	-46.86556691216	-24.220103215923	VS	100	1
-46.86536325357	-24.223778288625	VS	70	1	-46.865463913215	-24.219824550892	VS	100	1
-46.865081719422	-24.223970134752	VS	70	1	-46.865401741876	-24.220214836162	VS	100	1
-46.86518921365	-24.224099215363	VS	70	1	-46.780525887783	-24.180123619804	VS	100	1
-46.865370469776	-24.224206300869	VS	70	1	-46.780297376013	-24.180009321417	VS	100	1
-46.865549835641	-24.224311955275	VS	70	1	-46.735711160304	-24.150910685435	VS	100	1
-46.865651219433	-24.224311403887	VS	70	1	-46.733595070217	-24.151553792785	VS	100	1
-46.865931422659	-24.224121801627	VS	70	1	-46.733073568334	-24.151284366632	VS	100	1
-46.865942667998	-24.223372146598	VS	70	1	-46.735739085016	-24.151973856663	VS	100	1
-46.866215691505	-24.22318953429	VS	70	1	-46.736592033952	-24.152261729469	VS	100	1
-46.865211224139	-24.223248185529	VS	70	1	-46.738624024329	-24.151548521533	VS	100	1
-46.865573609593	-24.222994711409	VS	70	1	-46.740436184216	-24.152971612761	VS	100	1
-46.865348394482	-24.224522218732	VS	70	1	-46.732916467134	-24.151732013611	VS	100	1
-46.865369584516	-24.22534589607	VS	70	1	-46.733410032433	-24.151461711092	VS	100	1
-46.865327933964	-24.224430434928	VS	70	1	-46.865252954424	-24.219562947813	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.865156620251	-24.224327217318	VS	70	1	-46.86517981438	-24.2203772162	VS	100	1
-46.865100877881	-24.224699436868	VS	70	1	-46.865020379901	-24.219288187829	VS	100	1
-46.865070173552	-24.225553502921	VS	70	1	-46.864970268647	-24.220503587812	VS	100	1
-46.86582536134	-24.222811656454	VS	70	1	-46.863731529651	-24.2201689595	VS	70	1
-46.865060875039	-24.223364373604	VS	70	1	-46.86324262763	-24.219945089301	VS	100	1
-46.864913647077	-24.223469168617	VS	70	1	-46.860714516959	-24.22091213897	VS	100	1
-46.835916784165	-24.201528305193	VS	250	1	-46.860453741244	-24.221092658184	VS	70	1
-46.835747862513	-24.201795525651	VS	250	1	-46.73383833744	-24.151683214937	VS	100	1
-46.835587647302	-24.202073379798	VS	250	1	-46.734157036948	-24.151855038877	VS	100	1
-46.835417820115	-24.20236022105	VS	250	1	-46.734048294683	-24.151855275124	VS	100	1
-46.835285545173	-24.202575393327	VS	250	1	-46.73391283975	-24.151947909846	VS	100	1
-46.835134564854	-24.2028355215	VS	250	1	-46.733632849919	-24.152146204162	VS	100	1
-46.834964313373	-24.203104525536	VS	250	1	-46.733167371822	-24.151551820146	VS	100	1
-46.834791976647	-24.203398609111	VS	250	1	-46.732665390999	-24.151912318975	VS	100	1
-46.834629623486	-24.203666206002	VS	250	1	-46.732771243617	-24.151107130443	VS	100	1
-46.835965992245	-24.203637044295	VS	70	1	-46.736146601087	-24.152185180263	VS	100	1
-46.836105478803	-24.201803756166	VS	100	1	-46.736375259774	-24.152307888078	VS	100	1
-46.864640990379	-24.22366529474	VS	70	1	-46.736623284413	-24.152431480214	VS	100	1
-46.864642702681	-24.223765846322	VS	70	1	-46.736921223646	-24.152581017857	VS	100	1
-46.864812242577	-24.223871585791	VS	70	1	-46.738077690086	-24.153159532063	VS	100	1
-46.864972218379	-24.22421616896	VS	70	1	-46.738560227	-24.153413824873	VS	100	1
-46.864982185914	-24.223956959169	VS	70	1	-46.738606867663	-24.153333098669	VS	100	1
-46.864363653563	-24.223598521169	VS	70	1	-46.738703097508	-24.153487114236	VS	100	1
-46.864840311342	-24.224888886291	VS	70	1	-46.738886629327	-24.153125890008	VS	100	1
-46.864070418788	-24.223421144102	VS	70	1	-46.739166390113	-24.152918680702	VS	100	1
-46.864795358358	-24.22418503894	VS	70	1	-46.739456172656	-24.15272031572	VS	100	1
-46.864755577402	-24.224082964812	VS	70	1	-46.739687915832	-24.152558065269	VS	100	1
-46.864771014874	-24.225769997017	VS	70	1	-46.739929047291	-24.152377892889	VS	100	1
-46.864568661654	-24.223969413236	VS	70	1	-46.740199201816	-24.152179671457	VS	100	1
-46.836497070367	-24.202735743269	VS	100	1	-46.739259703748	-24.152180116893	VS	100	1
-46.837019856934	-24.202269439158	VS	100	1	-46.738998946524	-24.152360424317	VS	100	1
-46.835111453343	-24.201302852456	VS	100	1	-46.738728790063	-24.152558643299	VS	100	1
-46.833743955608	-24.20110508679	VS	70	1	-46.738419800609	-24.15277498706	VS	100	1
-46.83389484998	-24.200835824396	VS	70	1	-46.73813042613	-24.152991184707	VS	100	1
-46.834074031907	-24.200540342287	VS	70	1	-46.73711368327	-24.151901036716	VS	100	1
-46.834253460652	-24.20024449697	VS	70	1	-46.736862611234	-24.1520813588	VS	100	1
-46.833788914682	-24.200643503531	VS	70	1	-46.737383843345	-24.151711890315	VS	100	1
-46.835442849128	-24.198263351256	VS	100	1	-46.737683023618	-24.151495616679	VS	100	1
-46.835082977563	-24.198911621091	VS	70	1	-46.737972589692	-24.151288341159	VS	100	1
-46.864579551238	-24.22506940375	VS	70	1	-46.738262379415	-24.151089978443	VS	100	1
-46.864542696089	-24.224364803029	VS	70	1	-46.738542525376	-24.150900622126	VS	100	1
-46.864413913984	-24.22387263245	VS	100	1	-46.73727207483	-24.152513214345	VS	100	1
-46.864322257236	-24.223881905007	VS	70	1	-46.737523569501	-24.152332605934	VS	100	1
-46.864309158746	-24.225258927371	VS	100	1	-46.737803544527	-24.152134321407	VS	100	1
-46.864272304923	-24.224554335799	VS	70	1	-46.786954723055	-24.157813951241	VS	100	1
-46.8640387152	-24.225448485095	VS	70	1	-46.787121852798	-24.157843286519	VS	100	1
-46.864002286955	-24.224752669065	VS	70	1	-46.786987041427	-24.157617453995	VS	100	1
-46.834914628347	-24.200064094679	VS	70	1	-46.786812723384	-24.157323343051	VS	100	1
-46.834431908933	-24.199940996865	VS	70	1	-46.786655844744	-24.157055021677	VS	100	1
-46.832159401613	-24.199826580501	VS	70	1	-46.742217439678	-24.1532818606	VS	100	1
-46.83252891862	-24.19764648752	VS	70	1	-46.738064097686	-24.151945103262	VS	100	1
-46.83282704163	-24.197787019799	VS	70	1	-46.738353879136	-24.151746740296	VS	100	1
-46.8333077254	-24.19660939388	VS	70	1	-46.738894393007	-24.151359224672	VS	100	1
-46.832353901428	-24.196143875734	VS	70	1	-46.739154943392	-24.151169995191	VS	100	1
-46.832006214998	-24.195977028523	VS	70	1	-46.739423590402	-24.150986635273	VS	100	1
-46.833953814822	-24.196934546855	VS	70	1	-46.739695667119	-24.150791398253	VS	100	1
-46.833986513948	-24.19650793452	VS	70	1	-46.737661548859	-24.150969580968	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.833612646415	-24.195411363124	VS	70	1	-46.737361950306	-24.151185473366	VS	100	1
-46.833284526041	-24.195244333437	VS	70	1	-46.736975617541	-24.151455969058	VS	100	1
-46.863969361505	-24.224122704385	VS	70	1	-46.736676641209	-24.151681154075	VS	100	1
-46.863849784469	-24.22387909353	VS	70	1	-46.74075436067	-24.153147763941	VS	100	1
-46.863769396719	-24.224272388943	VS	70	1	-46.740695221299	-24.153017631635	VS	100	1
-46.863736456677	-24.22493671665	VS	70	1	-46.740600446042	-24.153171488942	VS	100	1
-46.863560794961	-24.223703003121	VS	70	1	-46.742050449908	-24.154432077047	VS	70	1
-46.863501502668	-24.224459472629	VS	70	1	-46.740469847936	-24.153369412427	VS	100	1
-46.863470901846	-24.225122862965	VS	70	1	-46.739946607897	-24.153118152056	VS	100	1
-46.863271691339	-24.223526818974	VS	70	1	-46.739676326459	-24.153307398887	VS	100	1
-46.863240722074	-24.22463999613	VS	70	1	-46.739934158671	-24.153332018901	VS	100	1
-46.862982800933	-24.223359566312	VS	70	1	-46.739457111389	-24.153463661762	VS	100	1
-46.862965826891	-24.224680327974	VS	70	1	-46.781523624904	-24.179034987652	VS	250	2
-46.862970611267	-24.224838414994	VS	70	1	-46.782565619352	-24.179525622283	VS	150	1
-46.862686769126	-24.224512990501	VS	70	1	-46.782405540773	-24.179812331171	VS	150	1
-46.832956685293	-24.195086254761	VS	70	1	-46.782246904448	-24.180058797538	VS	150	1
-46.833880460571	-24.198314184333	VS	70	1	-46.78203714906	-24.180421790598	VS	150	1
-46.832126909629	-24.195531766444	VS	70	1	-46.781876850733	-24.180699576024	VS	150	1
-46.831966476939	-24.195800684964	VS	70	1	-46.736415912257	-24.151861439519	VS	100	1
-46.831796400232	-24.196078679671	VS	70	1	-46.736174563584	-24.152032683573	VS	100	1
-46.825775823127	-24.19940508454	VS	70	1	-46.743099649387	-24.151886858708	VS	70	1
-46.827586664746	-24.199951054902	VS	70	1	-46.742818262845	-24.151745764858	VS	70	1
-46.826831030689	-24.199654227397	VS	70	1	-46.778840314676	-24.181540965834	VS	100	1
-46.826502830249	-24.199888746449	VS	70	1	-46.778531808752	-24.181382405792	VS	100	1
-46.826242483952	-24.200087051751	VS	70	1	-46.778214033306	-24.181224228181	VS	100	1
-46.826127616136	-24.199712402656	VS	70	1	-46.77793603622	-24.1810924425	VS	100	1
-46.825867593961	-24.199591566226	VS	70	1	-46.74430812319	-24.152260670134	VS	100	1
-46.825628092873	-24.199659484422	VS	70	1	-46.742933680115	-24.153262716909	VS	100	1
-46.862700217387	-24.225027935493	VS	70	1	-46.743385300353	-24.152035364751	VS	100	1
-46.862417516883	-24.224345576882	VS	70	1	-46.744000857453	-24.152479517774	VS	100	1
-46.862439647191	-24.225217380214	VS	70	1	-46.743695008181	-24.152712495373	VS	100	1
-46.862178671602	-24.225388952058	VS	70	1	-46.743485996602	-24.152854562068	VS	100	1
-46.86191798927	-24.225578473806	VS	70	1	-46.787801226475	-24.155413410578	VS	100	1
-46.861842215898	-24.22533153703	VS	70	1	-46.78716315488	-24.156481505989	VS	100	1
-46.861573165358	-24.225164262583	VS	70	1	-46.786936056277	-24.156615852345	VS	100	1
-46.861303740629	-24.224996725086	VS	70	1	-46.786679771679	-24.15677479737	VS	100	1
-46.861114341283	-24.224882218203	VS	100	1	-46.743216049854	-24.153061702824	VS	100	1
-46.860914998288	-24.225544537033	VS	70	1	-46.743037341206	-24.153063677427	VS	100	1
-46.860866469391	-24.22478602683	VS	100	1	-46.742729583928	-24.152914219101	VS	100	1
-46.860626166639	-24.225386081227	VS	70	1	-46.742431430414	-24.152755769822	VS	100	1
-46.825551161767	-24.199431214793	VS	70	1	-46.742123626844	-24.152606273066	VS	100	1
-46.825485122289	-24.199900238204	VS	70	1	-46.741815667396	-24.1524478822	VS	100	1
-46.825311630485	-24.200180455831	VS	70	1	-46.742704713384	-24.15343107255	VS	100	1
-46.825272845079	-24.199290581075	VS	70	1	-46.742441501494	-24.153620837834	VS	100	1
-46.825116965926	-24.199298186075	VS	70	1	-46.742559713102	-24.154076508966	VS	100	1
-46.824929456326	-24.199602542164	VS	70	1	-46.741354285922	-24.15345977496	VS	100	1
-46.823478657429	-24.199658446965	VS	70	1	-46.741062320289	-24.153306147992	VS	100	1
-46.823324520589	-24.199906609386	VS	70	1	-46.741427984519	-24.152889338513	VS	100	1
-46.823222415875	-24.198839085342	VS	70	1	-46.744135496188	-24.153020049716	VS	70	1
-46.823106833899	-24.198227600494	VS	70	1	-46.741636615816	-24.153604756731	VS	100	1
-46.823062180575	-24.199116914132	VS	70	1	-46.786469375342	-24.156906178953	VS	100	1
-46.823074037121	-24.199780016619	VS	70	1	-46.787829023355	-24.157279994058	VS	100	1
-46.866596912879	-24.225193765772	VS	100	1	-46.787648846823	-24.157391188286	VS	100	1
-46.866566335809	-24.224928322689	VS	100	1	-46.787390433266	-24.157550003427	VS	100	1
-46.86646583033	-24.225194492856	VS	100	1	-46.787196602527	-24.157669429429	VS	100	1
-46.866327189179	-24.224787439671	VS	100	1	-46.743827532364	-24.152861671458	VS	70	1
-46.866328117562	-24.225044223209	VS	100	1	-46.782337786164	-24.180928943861	VS	100	1

ANEXO 1 - CADASTRO ELEKTRO

Longitude	Latitude	Tipo	Pot	Qnt	Longitude	Latitude	Tipo	Pot	Qnt
-46.86615681938	-24.225411100802	VS	100	1	-46.782177270406	-24.181197807027	VS	150	1
-46.865838499026	-24.225645568609	VS	100	1	-46.782016763725	-24.181466670197	VS	150	1
-46.865754350093	-24.224425560677	VS	70	1	-46.781716417154	-24.180968314687	VS	150	1
-46.865550222784	-24.22455959039	VS	100	1	-46.781565720397	-24.181237106607	VS	150	1
-46.861911925201	-24.222136595263	VS	70	1	-46.781207244222	-24.181846314996	VS	150	1
-46.82289175403	-24.199376890587	VS	70	1	-46.781046474309	-24.182131731372	VS	150	1
-46.822836544142	-24.198315838605	VS	70	1	-46.780824610615	-24.182517177995	VS	150	1
-46.822782242792	-24.198062971768	VS	70	1	-46.779878101823	-24.182028239661	VS	100	1
-46.822777280898	-24.199631010207	VS	70	1	-46.781153220379	-24.182668582838	VS	150	1
-46.822676089021	-24.198584744093	VS	70	1	-46.781667723132	-24.182922707859	VS	150	1
-46.82594903572	-24.199121603687	VS	100	1	-46.781946747217	-24.183053109534	VS	150	1
-46.827139400686	-24.19977612714	VS	70	1	-46.782225306527	-24.183180035838	VS	150	1
-46.826926644681	-24.199911608108	VS	70	1	-46.782510743288	-24.183333306887	VS	150	1
-46.826777786477	-24.200142464484	VS	70	1	-46.782760553543	-24.183459147094	VS	150	1
-46.834653686266	-24.209774466918	VS	70	1	-46.783061416361	-24.183606308322	VS	150	1
-46.835227677065	-24.209972476153	VS	70	1	-46.782448742112	-24.182074986618	VS	150	1
-46.835255576996	-24.210094119277	VS	70	1	-46.782266596552	-24.182333314984	VS	150	1
-46.861632854809	-24.221969247201	VS	70	1	-46.782077547216	-24.182660692411	VS	150	1
-46.861535117616	-24.223183832521	VS	70	1	-46.781908686012	-24.182982020522	VS	150	1
-46.859194983284	-24.22318529076	VS	100	1	-46.782999120003	-24.183145672739	VS	150	1
-46.863914953112	-24.221261589148	VS	100	1	-46.78284928016	-24.183425128216	VS	150	1
-46.863606162271	-24.221487106597	VS	70	1	-46.778811743102	-24.181436069176	VS	150	1
-46.863335433746	-24.221667793056	VS	70	1	-46.779851100474	-24.181903398831	VS	150	1
-46.863093636922	-24.221440484543	VS	70	1	-46.780250128216	-24.181268064269	VS	150	1
-46.862448451531	-24.22173239208	VS	70	1	-46.782507521814	-24.180642403668	VS	150	1
-46.86208944298	-24.220943764221	VS	100	1	-46.76463242836	-24.159027065895	VS	70	1
-46.862119567741	-24.221539732761	VS	70	1	-46.795376852602	-24.163264405734	VS	70	1
-46.861790487264	-24.22135044859	VS	70	1	-46.795070491312	-24.16337166458	VS	70	1
-46.861516852416	-24.221096024741	VS	70	1	-46.794350911679	-24.16369107634	VS	70	1
-46.861364168273	-24.221810981317	VS	70	1	-46.908179862538	-24.237202047182	VS	70	1
-46.835406083525	-24.210315673836	VS	70	1	-46.908234326714	-24.236394603282	VS	70	1
-46.835713737543	-24.210483278805	VS	70	1	-46.908022364801	-24.236164326759	VS	70	1
-46.836035659903	-24.210586457086	VS	70	1	-46.814957287381	-24.179969675138	VS	250	1
-46.836310802435	-24.210817590885	VS	70	1	-46.816860212678	-24.178694689195	VS	100	1
-46.836569732484	-24.210967270545	VS	70	1	-46.835848804125	-24.19652722103	VS	100	1
-46.836861505786	-24.211151118512	VS	70	1	-46.863648728048	-24.21626939209	VS	70	1
-46.836176473506	-24.210348140033	VS	70	1	-46.869887612715	-24.222133475395	VS	70	1
-46.8363333609409	-24.210090966197	VS	70	1	-46.781955387973	-24.154993505952	VS	70	1
-46.836520602148	-24.210062951866	VS	70	1	-46.781696562533	-24.154708401306	VS	70	1
-46.836889027128	-24.210247843361	VS	70	1	-46.781795607484	-24.154608878801	VS	70	1
-46.836259711921	-24.209930358288	VS	70	1	-46.781598327281	-24.154574808434	VS	70	1
-46.86128372802	-24.222407392605	VS	70	1	-46.781500068471	-24.154795596072	VS	100	1
-46.86125001364	-24.221292564612	VS	70	1	-46.783924582358	-24.173059492815	VS	70	1
-46.861095531271	-24.221652725391	VS	70	1	-46.783443912454	-24.173346881603	VS	70	1
-46.860981280928	-24.222231770093	VS	70	1	-46.783190899345	-24.173521639457	VS	70	1
-46.860957164439	-24.221483797399	VS	70	1	-46.837091938596	-24.159944136459	VS	70	1
-46.860981634429	-24.223534517823	VS	70	1	-46.836882442932	-24.160161505723	VS	70	1
					-46.836675094632	-24.160376877637	VS	70	1
					-46.840644888623	-24.170674077209	VS	70	1

ANEXO 2 – RESULTADOS DE LEVANTAMENTO – GRUPO 1

ANEXO 2 - RESULTADOS DE LEVANTAMENTO – GRUPO 1

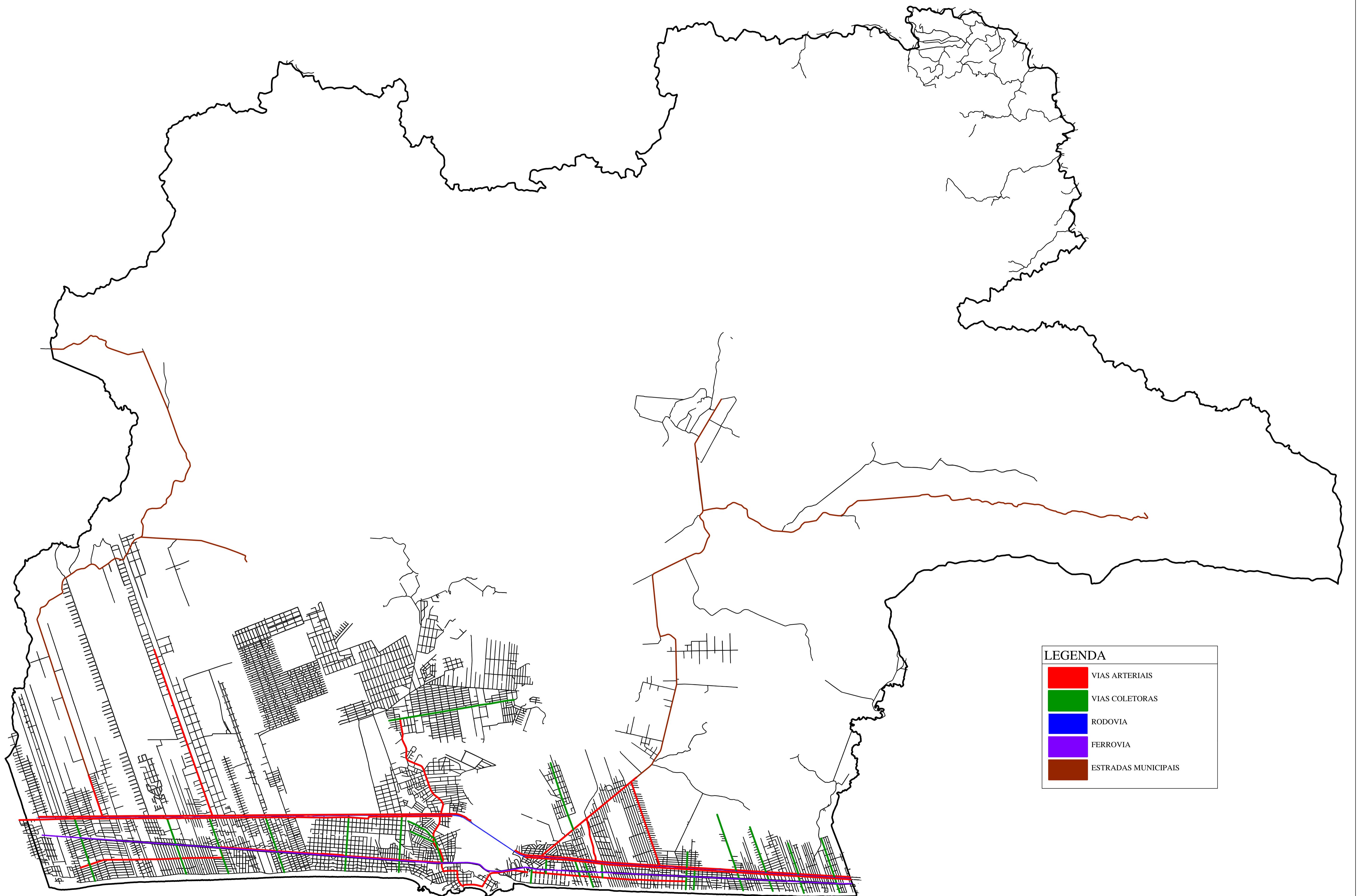
Endereço	Data	Classes de Iluminação		Calçada do ponto					Via				Calçada oposta					
		Veículos	Calçada	Emín	Emed	NBR	U	NBR	Emín	Emed	NBR	U	NBR	Emín	Emed	NBR	U	NBR
Rua Rio Grande do Norte	6/12/21	V4	P4	-	3,80	Atende	-	Não Atende	-	3,80	Não Atende	-	Não Atende	-	1,64	Não Atende	-	Não Atende
Rua Dezenove	6/12/21	V4	P4	0,17	2,90	Não Atende	0,06	Não Atende	0,11	3,85	Não Atende	0,03	Não Atende	0,09	1,49	Não Atende	-	Não Atende
Alameda Campos Elíseos	7/12/21	V3	P3	-	3,61	Não Atende	-	Não Atende	0,22	6,75	Não Atende	0,03	Não Atende	1,00	4,07	Não Atende	0,25	Atende
Rua Morvan Figueiredo	7/12/21	V4	P4	1,60	9,08	Atende	0,18	Não Atende	1,68	13,16	Atende	0,13	Não Atende	1,10	7,58	Atende	0,15	Não Atende
Av. Marginal Anchieta - Sul	7/12/21	V2	P2	6,20	12,88	Atende	0,48	Atende	7,62	14,70	Não Atende	0,52	Atende	4,70	8,54	Não Atende	0,55	Atende
Rua Itapuã	7/12/21	V3	P3	-	6,08	Atende	-	Não Atende	-	5,43	Não Atende	-	Não Atende	-	2,35	Não Atende	-	Não Atende
Av. Fláclides Ferreira	7/12/21	V3	P3	2,10	11,04	Atende	0,19	Não Atende	4,86	23,65	Atende	0,21	Atende	5,70	15,19	Atende	0,38	Atende
Rua Corumbá	7/12/21	V4	P4	-	5,42	Atende	-	Não Atende	1,62	7,49	Não Atende	0,22	Atende	1,80	4,50	Atende	0,40	Atende
Av. Sorocabana	7/12/21	V2	P2	-	3,80	Não Atende	-	Não Atende	-	4,18	Não Atende	-	Não Atende	-	-	-	-	-
Av. São Paulo	7/12/21	V3	P3	-	-	-	-	-	2,22	8,14	Não Atende	0,27	Atende	2,90	10,81	Atende	0,27	Atende
Av. Ipiranga	8/12/21	V3	P3	1,20	6,21	Atende	0,19	Não Atende	1,56	7,03	Não Atende	0,22	Atende	-	1,79	Não Atende	-	Não Atende
Av. Cabuçu	8/12/21	V2	P2	-	-	-	-	-	-	6,85	Não Atende	-	Não Atende	-	4,13	Não Atende	-	Não Atende
Rua Humberto Ataúlo	8/12/21	V4	P4	-	5,18	Atende	-	Não Atende	0,34	6,12	Não Atende	0,06	Não Atende	-	2,35	Não Atende	-	Não Atende
Av. Estados Unidos	8/12/21	V2	P2	-	-	-	-	-	0,90	6,02	Não Atende	0,15	Não Atende	-	-	-	-	-
Rua Aristides Mendes de Oliveira	8/12/21	V4	P4	9,40	12,17	Atende	0,77	Atende	6,54	13,45	Atende	0,49	Atende	5,50	10,35	Atende	0,53	Atende
Rua Ana Maria Martins Rivera	8/12/21	V3	P3	4,70	10,35	Atende	0,45	Atende	3,66	11,34	Não Atende	0,32	Atende	3,00	5,00	Não Atende	0,60	Atende
Rua João Capistrano Pereira	8/12/21	V3	P3	3,20	9,76	Atende	0,33	Atende	1,80	11,26	Não Atende	0,16	Não Atende	1,40	4,38	Não Atende	0,32	Atende
Rua André Ricardo de Munhoz	8/12/21	V4	P4	-	-	-	-	-	-	10,01	Atende	-	Não Atende	3,00	5,88	Atende	0,51	Atende
Av. Vicente de Carvalho	8/12/21	V2	P2	3,70	28,20	Atende	0,13	Não Atende	10,38	33,42	Atende	0,31	Atende	-	-	-	-	-
Av. Albert Sabin	8/12/21	V2	P2	-	2,56	Não Atende	-	Não Atende	0,24	4,82	Não Atende	0,05	Não Atende	-	4,69	Não Atende	-	Não Atende
Av. Julinha	8/12/21	V3	P3	1,00	7,44	Atende	0,13	Não Atende	0,90	4,48	Não Atende	0,20	Atende	1,00	1,53	Não Atende	0,65	Atende
Av. Sebastião M. Lima	8/12/21	V2	P2	-	4,46	Não Atende	-	Não Atende	-	5,60	Não Atende	-	Não Atende	-	-	-	-	-
Av. Clara Martins Zwarg	8/12/21	V3	P3	-	3,51	Não Atende	-	Não Atende	1,98	6,38	Não Atende	0,31	Atende	1,10	1,74	Não Atende	0,63	Atende
Rua José Dominiciano da Silva	8/12/21	V4	P4	1,50	5,54	Atende	0,27	Atende	1,14	6,75	Não Atende	0,17	Não Atende	1,00	3,18	Atende	0,31	Atende
Calçada da Praia do Sonho	8/12/21	-	P2	22,00	71,64	Atende	0,31	Atende	-	-	-	-	-	-	-	-	-	-
Av. Pedro Walmore de Araújo	8/12/21	V3	P3	-	4,69	Não Atende	-	Não Atende	-	5,21	Não Atende	-	Não Atende	1,60	3,86	Não Atende	0,41	Atende
Av. Padre João Daniel	8/12/21	V4	P4	-	2,97	Não Atende	-	Não Atende	-	4,52	Não Atende	-	Não Atende	-	2,80	Não Atende	-	Não Atende
Estrada Coronel Joaquim Branco	9/12/21	V2	P2	-	1,02	Não Atende	-	Não Atende	-	0,08	Não Atende	-	Não Atende	-	-	Não Atende	-	Não Atende
Av. Benedito Ribeiro	9/12/21	V4	P4	-	6,21	Atende	-	Não Atende	-	6,46	Não Atende	-	Não Atende	-	2,07	Não Atende	-	Não Atende
Av. Marginal Anchieta - Norte	9/12/21	V2	P2	-	-	Não Atende	-	Não Atende	-	6,46	Não Atende	-	Não Atende	-	2,07	Não Atende	-	Não Atende
Rotatória	9/12/21	V2	-	-	-	-	-	-	2,88	6,85	Não Atende	0,42	Atende	-	-	-	-	-
Rua Emídio de Souza	9/12/21	V3	P3	-	2,37	Não Atende	-	Não Atende	-	3,64	Não Atende	-	Não Atende	-	1,18	Não Atende	-	Não Atende
Rua João Antonio da Silva	9/12/21	V4	P4	-	4,03	Atende	-	Não Atende	1,98	8,03	Não Atende	0,25	Atende	2,60	5,33	Atende	0,49	Atende
Rotatória	9/12/21	V2	P2	-	3,33	Não Atende	-	Não Atende	1,46	4,91	Não Atende	0,30	Não Atende	-	0,68	Não Atende	-	Não Atende
Av. Paulo José de Moraes	9/12/21	V2	-	-	-	-	-	-	2,88	9,70	Não Atende	0,30	Não Atende	-	-	-	-	-
Rua João Batista Dias	9/12/21	V4	P4	1,20	3,99	Atende	0,30	Atende	1,20	4,75	Não Atende	0,25	Atende	1,30	2,31	Não Atende	0,56	Atende
Av. Conceição de Itanhaém	9/12/21	V3	-	-	-	-	-	-	-	4,89	Não Atende	-	Não Atende	-	-	-	-	-
Av. São Paulo	9/12/21	V4	-	-	-	-	-	-	1,90	5,43	Não Atende	0,35	Atende	-	-	-	-	-
Rua Ezequiel Correa de Araújo	9/12/21	V2	-	-	-	-	-	-	1,18	6,06	Não Atende	0,19	Não Atende	-	-	-	-	-
Estrada do Rio Preto	9/12/21	V2	-	-	-	-	-	-	0,96	4,61	Não Atende	0,21	Não Atende	-	-	-	-	-
Rua Vinte e Nove	9/12/21	V4	-	-	-	-	-	-	1,10	5,19	Não Atende	0,21	Atende	-	-	-	-	-
Rua Padre João Batista de Carvalho	10/12/21	V4	P4	-	1,65	Não Atende	7,60	Atende	-	0,99	Não Atende	0,11	Não Atende	0,28	3,97	Atende	0,07	Não Atende
Av. Jaime de Castro	10/12/21	V2	P2	18,40	95,17	Atende	0,19	Não Atende	17,80	55,64	Atende	0,32	Atende	-	-	-	-	-
Av. Jaime de Castro	10/12/21	V3	-	-	-	-	-	-	-	-	Não Atende	-	Não Atende	-	-	-	-	-
Rua Emídio de Souza	10/12/21	V3	P3	-	6,30	Atende	-	Não Atende	2,44	11,93	Não Atende	0,20	Atende	3,00	7,74	Atende	0,39	Atende
Av. Rui Barbosa	10/12/21	V2	P2	2,55	21,15	Atende	0,12	Não Atende	15,70	42,08	Atende	0,37	Atende	27,00	38,53	Atende	0,70	Atende
Av. Rui Barbosa	10/12/21	V2	P2	2,41	22,69	Atende	0,11	Não Atende	5,70	37,97	Atende	0,15	Não Atende	10,70	27,73	At		

ANEXO 3 – RESULTADOS DE LEVANTAMENTO – GRUPO 2

ANEXO 3 – RESULTADOS DE LEVANTAMENTO – GRUPO 2

Dados	Distância entre postes			Aderência ao Cadastro			Via	Altura de Montagem por ponto (m)								Comprimento do braço por ponto (m)															
	Data	Classe de Iluminação das Vias	Classe de Iluminação das Vias de Pedestres	AB	BC	CD		Potência da Lâmpada	Tipo	Tipo Não Aderente ao Cadastro	Potência Não Aderente ao Cadastro	Largura da Calçada do Ponto	Largura da Via	Largura da Calçada Oposta	A	B	C	D	E	F	G	H	A	B	C	D	E	F	G	H	
Rua Rio Grande do Norte	6/12/21	V4	P4	33,70			33,70	70,00	VS		1,00	2,50	7,50	2,50	7,00	7,00								2,50	2,50						
Rua Dezenove	6/12/21	V4	P4	33,40			33,40	70,00	VS			2,60	7,20	2,80	7,00	7,00									2,50	2,50					
Alameda Campos Elíseos	7/12/21	V3	P3	38,60			38,60	100,00	VS			2,50	6,50	3,00	7,30	6,80									3,00	2,50					
Rua Morvan Guerreiro	7/12/21	V4	P4	27,00			27,00	100,00	VS			1,80	6,80	2,00	6,50	6,40									2,00	2,00					
Av. Marginal Anchieta - Sul	7/12/21	V2	P2	20,70			20,70	100,00	VS			2,50	7,20	2,20	7,20	8,10									2,00	2,00					
Rua Itapurá	7/12/21	V3	P3	38,70			38,70	100,00	VS			1,80	8,10	2,10	7,00	7,80									2,50	2,50					
Av. Lydia	7/12/21	V3	P3	34,70			34,70	100,00	VS			4,40	7,40	3,00	7,50	7,50									2,50	2,50					
Av. Dr. José Peixoto	7/12/21	V4	P4	34,40			34,40	70,00	VS			3,00	7,80	2,60	7,10	7,50									2,00	2,00					
Rua Cap. Afonso Tessitore	7/12/21	V3	P3	43,00			38,50	100,00	VS			3,00	7,80	2,60	8,30	8,00									2,50	2,50					
Av. Marginal - Sul	7/12/21	V2	P2	26,70			26,70	100,00	VS			2,30	5,30	1,80	7,40	7,50									2,50	2,60					
Rua Rosália Ferraro	7/12/21	V4	P4	30,80			30,80	100,00	VS			2,40	6,80	2,00	7,50	7,80									2,00	2,30					
Rua Ibiúna	7/12/21	V4	P4	20,70			20,70	100,00	VS			1,50	6,90	1,50	6,60	7,20									2,00	2,00					
Av. Suarão	7/12/21	V4	P4	25,70			25,70	100,00	VS			5,50	7,90	-	6,70	7,20									2,00	2,00					
Pró. Nossa Sra. do Sion	7/12/21	V4	P4	25,90			25,90	250,00	VS			1,50	6,60	2,00	8,70	7,50									3,50	3,50					
Av. Dr. José Peixoto Abade	7/12/21	V4	P4	30,50			30,50	70,00	VS			1,50	7,90	-	7,50	7,50									2,00	2,50					
Av. Dr. José Peixoto Abade	7/12/21	V4	P4	15,00	15,00		15,00	100,00	VS			3,60	7,90	3,10	3,00	3,10									0,50	0,50	0,50	0,50	0,50	0,50	
Rua Avanhandava	7/12/21	V4	P4	27,90	36,70		32,30	100,00	VS			1,80	7,80	1,60	7,20	7,50									2,00	2,10	2,00				
Rua Itapeva	7/12/21	V4	P4	35,60	35,00		35,30	100,00	VS			2,10	7,80	1,70	7,00	7,20									2,00	2,00					
Rua Rogé Ferreira	7/12/21	V4	P4	29,10			29,10	100,00	VS		2,00	1,40	6,80	1,20	7,00										2,00	2,00					
Rua Marta	7/12/21	V4	P4	33,00			33,00	100,00	VS			4,00	7,70	4,00	7,70	7,50									2,50	2,50					
Av. Pedro Gerônimo Soares	7/12/21	V4	P4	30,00	30,00	40,50	30,00	70,00	VS			3,00	5,90	-	7,85	7,60	7,80	7,80								2,10	2,50	2,50	2,60		
Av. Pedro Gerônimo Soares	7/12/21	V4	P4	32,50	27,90	41,00	32,50	70,00	VS			2,90	5,90	-	7,00	7,00	7,00	7,00								2,40	2,70	2,40	2,90		
Rua Edson Gabriel dos Santos	7/12/21	V4	P4	40,00	41,00		40,50	70,00	VS			2,70	7,90	-	7,30	7,20	7,20									2,45	2,90	2,50			
Rua Bahia	7/12/21	V4	P4	34,00			34,00	70,00	VS			3,00	9,60	-	7,30	7,40									3,20	4,20					
Av. Fláclides Ferreira	7/12/21	V3	P3	34,00			34,00	250,00	VS			3,00	9,60	7,20	7,40	7,10										2,50	2,50				
Av. Sorocaba	7/12/21	V3	P3	35,00			35,00	70,00	VS			2,70	7,70	3,00	7,50	7,80										3,30	3,00				
Rua Corumbá	7/12/21	V4	P4	34,80			34,80	100,00	VS			2,70	7,70	7,50	7,80	7,00										3,00	3,00				
Rua Emílio de Souza	7/12/21	V3	P3	34,00			34,00	100,00	VS			-	8,00	2,60	7,00	7,50										2,90	3,40				
Av. Sorocaba	7/12/21	V2	P2	34,00			34,00	70,00	VS			2,60	7,80	-	7,00	7,50										2,90	3,40				
Av. Padre Anchieta	7/12/21	V4	P4	28,00			28,00	100,00	VS			-	8,00	-	6,80	7,50										3,90	3,80				
Av. São Paulo	7/12/21	V3	P3	28,00			28,00	250,00	VS			-	8,00	-	6,80	7,50										3,40	3,90				
Av. Ipiranga	7/12/21	V3	P3	33,70			33,70	100,00	VS			3,50	13,00	3,10	7,30	7,30										2,50	2,50				
Av. Catuaba	7/12/21	V2	P2	30,50			30,50	100,0																							

ANEXO 4 – HIERARQUIZAÇÃO VIÁRIA MUNICIPAL



ANEXO 5 – CLASSES DE ILUMINÂNCIA - PMI

ANEXO 5 - CLASSES DE ILUMINÂNCIA - PMI

LOGRADOURO	BAIRRO	CLASSIFICAÇÃO VIÁRIA (MUNICÍPIO PDDI - HIERARQUIA DE VIAS)	CLASSIFICAÇÃO VIÁRIA (NBR 5101)	CLASSIFICAÇÃO VIÁRIA PEDESTRE (NBR 5101)	FLUXO DE VEÍCULOS	FLUXO DE PEDESTRES
ALAMEDA 4	UMUARAMA	Local	V4	P4	LEVE	LEVE
ALAMEDA ABILIO PADOVAN	UMUARAMA	Local	V4	P4	LEVE	LEVE
ALAMEDA ACLIMAÇÃO	MARROCOS	Local	V4	P4	LEVE	LEVE
ALAMEDA ALEXANDRE DOS SANTOS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA AMALVE PEDRO MUNIZ	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA AMOREIRAS	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA ANTONIO DE JESUS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA ANTONIO LAMPING FILHO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA ARY PINTO COSTA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA AUTO BRAZ DE OLIVEIRA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA BANANEIRAS	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA CAJUEIROS	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA CAMPOS ELISEOS	CAMPOS ELISEOS	COLETORA	V3	P3	MODERADO	MODERADO
ALAMEDA CIRCULAR	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
ALAMEDA EDITH HONORATO DA SILVA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA EMIDIO DE SOUSA	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
ALAMEDA FLAVIO DOHNAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA FRANCISCO ANDRÉ DE LIMA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
ALAMEDA FRANCISCO MONTEIRO DA SILVA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA GOIAIBEIRAS	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA GUARAÇAI	VERDE MAR	Local	V4	P4	LEVE	LEVE
ALAMEDA HELIO MARIETTO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA ITANHAÉM	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
ALAMEDA JABUTICABEIRAS	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA JAQUEIRAS	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA JOÃO BERNARDO NOGUEIRA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA JOÃO THEOBALDO PAMPLONA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA JOAQUIM DE PAULA SOUZA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA JOSÉ KLEIN	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA JOSÉ SOARES CARVALHES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA JUREMA GAUDENCIO DUARTE	UMUARAMA	Local	V4	P4	LEVE	LEVE
ALAMEDA LARANJEIRAS	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA MANGUEIRA	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA OCTACILIO CARNEIRO DA SILVA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ALAMEDA ODILON FRANCISCO DE LIMA	UMUARAMA	Local	V4	P4	LEVE	LEVE
ALAMEDA PESSEGUEIROS	RAMINHO	Local	V4	P4	LEVE	LEVE
ALAMEDA ROSA LEONTINA MORAES ALMEIDA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
AVENIDA 1	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA 11	JAMAICA(INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA 2	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
AVENIDA 3	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
AVENIDA 4	LOTY	Local	V4	P4	LEVE	LEVE
AVENIDA 47	AGUAPEÚ	Local	V4	P4	LEVE	LEVE
AVENIDA 9	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA A	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
AVENIDA A DIREITA	GUAPURA	Local	V4	P4	LEVE	LEVE
AVENIDA A ESQUERDA	GUAPURA	Local	V4	P4	LEVE	LEVE
AVENIDA ALBERT SABIN	JAMAICA (PRAIA)	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA ALEMANHA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA ALFA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA ALMEIDA JUNIOR	BELAS ARTES	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA AMAZONAS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA ANCHIETA	LOTY	Local	V4	P4	LEVE	LEVE
AVENIDA ANTONIO BAENA FERNANDES	TUPY	Local	V4	P4	LEVE	LEVE
AVENIDA ARGENTINA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA ARMENIA	SATELITE	Local	V4	P4	LEVE	LEVE
AVENIDA ARY CARNEIRO DE SARAIVA	GUARDA CIVIL	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA ATLÂNTICA	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA AURELIO CAMPOS	LOTY	Local	V4	P4	LEVE	LEVE
AVENIDA B	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
AVENIDA BAHIA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA BANDEIRANTES	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
AVENIDA BAURU	NOVA ITANHAÉM (INTERIO	Local	V4	P4	LEVE	LEVE
AVENIDA BEIRA MAR	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA BENEDITO ANTONIO MUNIZ	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA BENEDITO RIBEIRO	NOVA ITANHAÉM(INTERIO	Local	V4	P4	LEVE	LEVE
AVENIDA BRASIL	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA BRASILIA SECKLER	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA C	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA CABUÇU	NOSSA SENHORA SION	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA CALIFÓRNIA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA CAMBIUTUVA	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA CAMBURIU	CIBRATEL II	Local	V4	P4	LEVE	LEVE
AVENIDA CARLOS GOMES DE CAMARGO	SATELITE	Local	V4	P4	LEVE	LEVE
AVENIDA CARLOS JOÃO DONNER	SÃO FERNANDO(CHACARA	Local	V4	P4	LEVE	LEVE
AVENIDA CAVUSSU	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA CENTRAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA CENTRAL DIREITA	GUAPURA	Local	V4	P4	LEVE	LEVE
AVENIDA CENTRAL ESQUERDA	GUAPURA	Local	V4	P4	LEVE	LEVE
AVENIDA CHILE	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA CLARA MARTINS ZWARG	BOPIRANGA	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA CONCEIÇÃO DE ITANHAEM	JARDIM CORONEL	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA CONDESSA DE VIMIEIROS	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA CORONEL SECKLER	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA D	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA DA FRANCA	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
AVENIDA DAS PALMEIRAS	SÃO FERNANDO(CHACARA	Local	V4	P4	LEVE	LEVE
AVENIDA DEMERVAL PEREIRA LEITE	CENTRO	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA DO TELEGRAFO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA DO TELEGRAFO	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA DOMINGOS PERES DOMINGUES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA DORACI TRANQUELIN DE VINCENTE	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA DOS FEIRANTES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA DOUTOR ANTONIO RIBEIRO NOGUEIRA JUNIOR	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
AVENIDA DOUTOR ATALIBA NOGUEIRA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA DOUTOR EDSON BAPTISTA DE ANDRADE	CIBRATEL I	Local	V4	P4	LEVE	LEVE
AVENIDA DOUTOR JOSÉ PEIXE ABADE	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA DOUTOR LEOCADIO JOSÉ CORREA	NOSSA SENHORA SION/JA	Local	V4	P4	LEVE	LEVE
AVENIDA DÚALIO FILIPPINI	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA E	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE

AVENIDA EDITH PRETTYMAN MOREIRA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA EMILIA ALVES MULLER	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA ENG. JOSÉ DE BARROS SARAIVA	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA ESTADOS UNIDOS	CIBRATEL II	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA ESTHER	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA EUROPA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA EXISTENTE	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA F	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA FLACIDES FERREIRA	GAIVOTA (PRAIA)	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA FLUVIAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA FORTALEZA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA FRANCIS LOUIS MORRELL	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA FRANCISCO ANTONIO MENDES CARUSO	LOTY	Local	V4	P4	LEVE	LEVE
AVENIDA GERTRUDES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA GONCALO MONTEIRO	CIBRATEL II	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA GOVERNADOR MÁRIO COVAS JÚNIOR	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA GOVERNADOR MÁRIO COVAS JÚNIOR	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA GOVERNADOR MÁRIO COVAS JÚNIOR	TUPY	Local	V4	P4	LEVE	LEVE
AVENIDA GOVERNADOR MÁRIO COVAS JÚNIOR	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA GUILHERMINA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA HARRY FORSELL	BELAS ARTES	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA HONDURAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA HORIZONTAL NORTE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA HUMBERTO ATAULO	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
AVENIDA INTERNACIONAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA IPIRANGA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA ISABEL OLIVEIRA MARTINS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA ISTAMBUL	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA ITANHÁEM	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
AVENIDA J	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA JAIME DE CASTRO	SATELITE	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA JARDIM DA ESTAÇÃO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA JÓAO BATISTA LEAL	CENTRO	Local	V4	P4	LEVE	LEVE
AVENIDA JORGE MAHFUZ	CIBRATEL I	Local	V4	P4	LEVE	LEVE
AVENIDA JOSÉ BATISTA CAMPOS	CIDADE ANCHIETA	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA JOSÉ DE ANCHIETA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
AVENIDA JOSÉ GARCIA IGLESIAS	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
AVENIDA JOSÉ VERGARA	AGUAPEU	Local	V4	P4	LEVE	LEVE
AVENIDA JOSEF PALLER	CIBRATEL I	Local	V4	P4	LEVE	LEVE
AVENIDA JOSEFA DIEGUES ATAULO	NOVA ITANHAEM (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA JULINHA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA JUQUÍA+	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA K	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
AVENIDA KALILI	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA LUIZ ROBERTO ARRUDA	SATELITE	Local	V4	P4	LEVE	LEVE
AVENIDA LUIZ ROBERTO NACCARATO JUNIOR	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA LYDIA	LOTY	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA MANOEL FRANCISCO LISBOA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
AVENIDA MANOEL MARQUES SILVEIRA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA MARAJÁ+	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA MARCIA	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
AVENIDA MARCO ANTONIO DE OLIVEIRA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA MARECHAL RONDON	MOSTEIRO	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL	GAIVOTA(INTERIOR)	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA MARGINAL 04	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL 1	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL 2	LOTY	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL 4	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL 5	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL E F S	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL ESQUERDA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL LESTE	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA MARGINAL OESTE	LOTY	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA MARIA ALBERTINA	VERDE MAR	Local	V4	P4	LEVE	LEVE
AVENIDA MARIA DUARTE SIMOES	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA MARIA HELENA BRAGA DE ALMEIDA BAPTISTA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
AVENIDA MÉXICO	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA MONTEZUMA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA MUSTAFÁ ABBASI	TROPICAL	Local	V4	P4	LEVE	LEVE
AVENIDA MUSTAFÁ ABBASI	NOVA ITANHAEM (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA N	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA NELSON DE BARROS	SÃO FERNANDO(CHACARAS)	Local	V4	P4	LEVE	LEVE
AVENIDA NEVADA	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA NOSSA SENHORA DE PERUIBE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA NOVARO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA ORLANDO DIZ	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA OSWALDO CRUZ	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
AVENIDA PADRE ANCHIETA	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
AVENIDA PADRE JOÃO DANIEL	CIBRATEL II	Local	V4	P4	LEVE	LEVE
AVENIDA PADRE MANOEL DA NOBREGA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
AVENIDA PADRE MANOEL DA NÓBREGA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
AVENIDA PARAGUAI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA PARANA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA PARIS	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA PAULO JOSE MORAES	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA PAULO ROBERTO REZENDE DE CAMPOS MAIA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
AVENIDA PEDRO CARLOS GERONIMO SOARES (COCO DOCE)	SÃO FERNANDO(CHACARAS)	Local	V4	P4	LEVE	LEVE
AVENIDA PEDRO DE TOLEDO	CENTRO	Local	V4	P4	LEVE	LEVE
AVENIDA PEDRO WALMORE DE ARAUJO	SÃO FERNANDO(CHACARAS)	Local	V4	P4	LEVE	LEVE
AVENIDA POLONIA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA PORTUGAL	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA PRAÇA VEREADOR PAULO BAPTISTA DE ANDRADE	SATELITE	Local	V4	P4	LEVE	LEVE
AVENIDA PRAIAMAR	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA PRESIDENTE KENNEDY	PRAIA DOS SONHOS	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA PRESIDENTE VARGAS	CENTRO	Local	V4	P4	LEVE	LEVE
AVENIDA PRINCIPAL	UMUARAMA	Local	V4	P4	LEVE	LEVE
AVENIDA PROF. VICENTE CAETANO LIMA	CIBRATEL CHACARAS	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA PROJETADA	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
AVENIDA RAUL CURY	CIBRATEL I	Local	V4	P4	LEVE	LEVE
AVENIDA RECIFE	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA RIBEIRÃO PRETO	NOVA ITANHAEM(INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA RIO DE JANEIRO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA RIO PRETO DE ITANHAEM	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA RIO SERRA	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
AVENIDA ROBERTO IWAKICHI URAGUCHI	PRAIA DOS SONHOS	ARTERIAL	V2	P2	INTENSO	INTENSO

AVENIDA RUI BARBOSA	CENTRO	Local	V4	P4	LEVE	LEVE
AVENIDA SANTA CRUZ	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA SANTA GERTRUDES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA SANTOS	TROPICAL	Local	V4	P4	LEVE	LEVE
AVENIDA SÃO LEOPOLDO MANDIC	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA SÃO PAULO	MARROCOS	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA SEBASTIÃO OLEGÁRIO PINTO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
AVENIDA SOROCABANA	CIBRATEL I	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA SOROCABANA DIREITA	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA SOROCABANA ESQUERDA	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA SUARÃO	JARDIM SUARÃO (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA TAMOIOS	TUPY	COLETORA	V3	P3	MODERADO	MODERADO
AVENIDA TENENTE ARTUR ROSA RAMOS	NOVA ITANHAEM (INTERIOR)	Local	V4	P4	LEVE	LEVE
AVENIDA TEREZA GIACOMO	TUPY	Local	V4	P4	LEVE	LEVE
AVENIDA TIETÉ	SUARÃO	Local	V4	P4	LEVE	LEVE
AVENIDA TIRADENTES	MOSTEIRO	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA TOMO KIDA	TUPY	Local	V4	P4	LEVE	LEVE
AVENIDA ULISSES FERRO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
AVENIDA VALTER FRANCISCO CASTELLAN	LOTY	Local	V4	P4	LEVE	LEVE
AVENIDA VER ANTONIO CARLOS DE ALMEIDA	MARROCOS	Local	V4	P4	LEVE	LEVE
AVENIDA VERDE MAR	LOTY	Local	V4	P4	LEVE	LEVE
AVENIDA VEREADOR ARMANDO FERREIRA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA VERTICAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA VICENTE DE CARVALHO	PRAIA DOS SONHOS	ARTERIAL	V2	P2	INTENSO	INTENSO
AVENIDA WALDA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
AVENIDA WALLACE ARTHUR SKERRAT	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
AVENIDA WALTER APELIAN	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
AVENIDA WALTER MIRANDA	TROPICAL	Local	V4	P4	LEVE	LEVE
AVENIDA WALTER MULLER	BELAS ARTES	Local	V4	P4	LEVE	LEVE
AVENIDA WASHINGTON LUIZ	CENTRO	ARTERIAL	V2	P2	INTENSO	INTENSO
ESTRADA CORONEL JOAQUIM BRANCO	SAVOY/JARDIM LARANJEIRAS	ARTERIAL	V2	P2	INTENSO	INTENSO
ESTRADA DE RODAGEM	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
ESTRADA DO D.E.R	MARROCOS	Local	V4	P4	LEVE	LEVE
ESTRADA DO RIO CRASTO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
ESTRADA DO RIO PRETO	GAIVOTA(INTERIOR)	ARTERIAL	V2	P2	INTENSO	INTENSO
ESTRADA EXISTENTE	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
ESTRADA GENTIL PEREZ	GUAPIRANGA	ARTERIAL	V2	P2	INTENSO	INTENSO
ESTRADA MANUEL MILLAN CAMARGO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
ESTRADA MARACUJAZEIROS	RAMINHO	Local	V4	P4	LEVE	LEVE
ESTRADA MUNICIPAL	CORUMBÁ	Local	V4	P4	LEVE	LEVE
ESTRADA MUNICIPAL DO AGUAPEU	AGUAPEU	Local	V4	P4	LEVE	LEVE
ESTRADA PARQUE FLUVIAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
ESTRADA RIO PRETO	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
ESTRADA VINCIAL DO RAMINHO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
PRAÇA 1	Jardim Suarão (interior)	Local	V4	P4	LEVE	LEVE
PRAÇA 2	Jardim Suarão (interior)	Local	V4	P4	LEVE	LEVE
PRAÇA 3	Jardim Suarão (interior)	Local	V4	P4	LEVE	LEVE
PRAÇA 4	Jardim Suarão (interior)	Local	V4	P4	LEVE	LEVE
PRAÇA 5	Jardim Suarão (interior)	Local	V4	P4	LEVE	LEVE
PRAÇA 6	Jardim Suarão (interior)	Local	V4	P4	LEVE	LEVE
PRAÇA A	TUPY	Local	V4	P4	LEVE	LEVE
PRAÇA ANCHIETA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
PRAÇA ATLÂNTICA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
PRAÇA AURÉLIO FERRARA	PRAIA DO SONHO	Local	V4	P4	LEVE	LEVE
PRAÇA BENEDITO CALIXTO	CENTRO	Local	V4	P4	LEVE	LEVE
PRAÇA CARLOS BOTELHO	CENTRO	Local	V4	P4	LEVE	LEVE
PRAÇA DOUTOR PROCOPIO RIBEIRO DOS SANTOS	CIBRATEL I	Local	V4	P4	LEVE	LEVE
PRAÇA EVANDRO DANTON FERREIRA GANDRA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
PRAÇA HERMINIA CAPPELLINI	TUPY	Local	V4	P4	LEVE	LEVE
PRAÇA ITANHAÉM	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
PRAÇA KARDEC RANGEL VELOSO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
PRAÇA MARGINAL ANCHIETA	VERDE MAR	ARTERIAL	V2	P2	INTENSO	INTENSO
PRAÇA MUNICIPAL	BELAS ARTES	Local	V4	P4	LEVE	LEVE
PRAÇA NOSSA SENHORA DO SION	SUARÃO	Local	V4	P4	LEVE	LEVE
PRAÇA PARQUE BALNEÁRIO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
PRAÇA PAULO CAMPAROTTO	MARROCOS	Local	V4	P4	LEVE	LEVE
PRAÇA PERUHIBE	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
PRAÇA PIASSAGUERA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
PRAÇA PIASSAGUERA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
PRAÇA PIO XII	CENTRO	Local	V4	P4	LEVE	LEVE
PRAÇA RANULFO PAMPLONA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
PRAÇA SETE DE SETEMBRO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
PRAÇA TANIGUA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
PRAÇA TIRADENTES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
PRAÇA TURIBIO LEITE BARROS JUNIOR	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
PRAÇA VENEZA	MARROCOS	Local	V4	P4	LEVE	LEVE
PRAÇA VEREADOR ARNALDO FERAZO	SUARÃO	Local	V4	P4	LEVE	LEVE
PRAÇA VINTE E DOIS DE ABRIL	CENTRO	Local	V4	P4	LEVE	LEVE
PRAÇA WALDEMAR SIMONI DE DOURADO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA BLUMENAU	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA DOS JAPONESES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA		Local	V4	P4	LEVE	LEVE
RUA 01 (NÃO OFICIAL)	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 09 OU DO CANAL	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA 1	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA 10	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA 10 OU DOS BUTIÃS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA 100	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 101	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 102	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 103	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 104	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 105	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 106	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 107	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 108	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 109	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 111	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA 110	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 111	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 111 A	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 112	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 112 A	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 113	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 114	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE

RUA 46 H	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 46 I	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 46 L	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 46 M	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 46 N	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 46 O	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 47	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 48	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA 49	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 5	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 50	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA 51	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 52	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 53	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 54	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA 55	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 56	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 57	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 58	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA 59	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 6	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 60	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 61	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 62	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 63	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 64	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 65	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 66	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 67	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 68	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 69	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 7	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA 70	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 71	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 72	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 73	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 74	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 75	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 76	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 77	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 78	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 8	NOVA ITANHAÉM (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 80	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 81	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 82	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 83	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 84	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 85	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 86	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 87	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 88	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 9	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA 90	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 91	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 92	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 93	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 94	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 95	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA 96	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA 97	SÃO FERNANDO (CHÁCARA)	Local	V4	P4	LEVE	LEVE
RUA 98	SÃO FERNANDO (CHÁCARA)	Local	V4	P4	LEVE	LEVE
RUA 99	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA A	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA ABEL FRANCISCO CANICAIS	SAVOY	Local	V4	P4	LEVE	LEVE
RUA ABELARDO MENDONÇA DE OLIVEIRA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ACAPULCO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA ACRE	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ADAIR MOLINA VERAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ADALTON DOS SANTOS	NOVA ITANHAÉM(SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA ADAMANTINA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ADAUTO PEREIRA DOS SANTOS	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ADELINA MARIA OLIVEIRA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ADELSON SANTOS MARTINS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ADEMAR DE OLIVEIRA BATISTA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ADERITO MARIETO LARA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA ADOLPHO DA SILVA FIGUEIRA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA AECLIO MENNUCCI	CENTRO	Local	V4	P4	LEVE	LEVE
RUA AFANASI PETECOF	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA AFONSO FRANCISCO DE OLIVEIRA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA AFONSO MEIRA JUNIOR	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA AFONSO RIBEIRA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA AFRAÑIO DRUMMOND MURGEL	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA AGELIM	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA AGENOR DE BENEDETTE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA AGENOR MARIANO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA AGOSTINHO DOS SANTOS PEREIRA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA AGOSTINHO RODRIGUES LUZIRÃO	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA AIMORÉS	TUPY	Local	V4	P4	LEVE	LEVE
RUA AIRTON MARINS	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA ALAGOAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ALBERTO BARBOSA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA ALBERTO FERREIRA DA SILVA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ALBERTO SIMÕES	JARDIM IVOTY	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA ALCANTARA MACHADO	JARDIM SURAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ALCEU SILVA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ALCIDES CRESONI	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ALCIDES DOMINISKI	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ALCIDES MARQUES	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA ALCIDES MENDES GONÇALVES	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ALDERICE FERREIRA DO NASCIMENTO	SAVOY	Local	V4	P4	LEVE	LEVE
RUA ALECRIM	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA ALESSANDRO RANGEL LIMA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA ALEXANDRE DIAS DE LIMA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ALFREDO BAZZALI	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA ALFREDO LOURENÇO DOS SANTOS	CORUMBA	Local	V4	P4	LEVE	LEVE

RUA ALFREDO SIMÓES DIAS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA ALÍDIO SALES	LOGRADOURO+C/F	Local	V4	P4	LEVE	LEVE
RUA ALÍPIO SIMÓES	SAVOY	Local	V4	P4	LEVE	LEVE
RUA ALOIS DOHNL	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA ALTAIR BRANCO	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA ÁLVARO CURA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA ÁLVARO DOS SANTOS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA ALVINO GOMES RODRIGUES	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA AMÁDIO AUGUSTO MARTINS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA AMAPÁ	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA AMARO DA SILVEIRA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA AMARO DOMINGUES PRADO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA AMARO PRADO	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA AMAZONAS	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA AMÉLIO DE FIGUEIREDO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA AMERICANA	NOVA ITANHAÉM(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA AMÉRICO A NICOLINI	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA AMETISTA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA AMPARO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA ANA CONCEIÇÃO CARREIRA DE SOUZA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA ANA DE MATTOS MEIRA	CENTRO	Local	V4	P4	LEVE	LEVE
RUA ANA DIAS	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ANA MARIA MARTINS RIVERA	CORUMBA	COLETORA	V3	P3	MODERADO	MODERADO
RUA ANA MARQUES DE ARAUJO	TUPY	Local	V4	P4	LEVE	LEVE
RUA ANAPOLIS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ANCHIETA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ANCHIETA 1	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA ANCHIETA 2	LOTY	Local	V4	P4	LEVE	LEVE
RUA ANCHIETA 2A	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA ANCHISES BRANCO	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA ANDORINHA	BAIXIO	Local	V4	P4	LEVE	LEVE
RUA ANDRÉ JOSÉ CAMARGO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ANDRÉ RICARDO MUNHOZ	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA ANDRÉ RUZSICKA	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA ANGATUBA	CAMPOS EISEOS	Local	V4	P4	LEVE	LEVE
RUA ANGÉLICA COLUCCI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ANGELINA PICHELI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ANGELO BIFULCO	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA ANCICO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ANHANGABAÚ	TUPY	Local	V4	P4	LEVE	LEVE
RUA ANHANGUERA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ANJU DA GUARDA	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA ANKARA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ANNA CONSTANTINA DA CONCEICAO	TUPY	Local	V4	P4	LEVE	LEVE
RUA ANNA CONSTANTINO DA CONCEIÇÃO	TUPY	Local	V4	P4	LEVE	LEVE
RUA ANÔNIMA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ANTÁDIO RIBEIRO	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA ANTENOR CORADI	NOVA ITANHAÉM(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ANTÔNIA APARECIDA NEVES DA SILVA	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA ANTONIEL PAULO BARBOSA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA ANTONIETA GUIMARÃES DE ANDRADE	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA ANTONIO AGOSTINHO DOS SANTOS	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA ANTONIO ALVES QUINTAS	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO AMÂNCIO DE AGUIAR	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO ASSUNÇÃO FILHO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO BAENA RAMOS	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA ANTONIO BALINT	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ANTONIO CANJÇO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ANTONIO CARLOS DOS SANTOS PRADO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ANTONIO CARLOS PEREIRA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO DE PADUA MEIRA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO DOMINGOS DO ROSARIO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ANTONIO FASCINA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ANTONIO FELIX MOREIRA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ANTONIO FERREIRA DE SOUZA FILHO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA ANTONIO FORTES GATTO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO FRANCISCO DO ROSARIO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ANTONIO HENRIQUE	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ANTONIO JOSÉ PEDROSA	GAIVOTA (PRAIA)	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA ANTONIO JUVENAL DAS NEVES JUNIOR	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO LEAL DA SILVA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ANTONIO MARQUES	SAVOY	Local	V4	P4	LEVE	LEVE
RUA ANTONIO MARQUES CARREIRA	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO MENDES JUNIOR	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA ANTONIO OLIVIO DE ARAUJO	CENTRO	Local	V4	P4	LEVE	LEVE
RUA ANTONIO PARANHOS DE LIMA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ANTONIO PARREIRAS	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ANTONIO PRADO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ANTONIO PROCÓPIO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ANTONIO R. B. DANTAS	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ANTONIO SOBRAL	SAVOY	Local	V4	P4	LEVE	LEVE
RUA ANTONIO VICHINO VASQUEZ	SATÁ‰LITE	Local	V4	P4	LEVE	LEVE
RUA ANTONIO WILSON PONTES QUINTAS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA APARECIDA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA APARECIDA LIMA DE GODOY	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA APIAI	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA APPARECIDA GARCIA RAMOS	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA ARABLE	SÃO FERNANDO(CHACAR/	Local	V4	P4	LEVE	LEVE
RUA ARACATUBA	NOVA ITANHAÉM(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ARACY	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ARAPEHY	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA ARAPONGA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ARAPONGAS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ARARANGABA	SUARAO	Local	V4	P4	LEVE	LEVE
RUA ARARAQUARA	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA ARARAS	TUPY	Local	V4	P4	LEVE	LEVE
RUA ARARIBA	SÃO FERNANDO(CHACAR/	Local	V4	P4	LEVE	LEVE
RUA ARARIBOIA	NOVA ITANHAÉM(SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA ARCELINO DE ARAUJO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ARCELINO DE MATOS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ARGELIA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ARIMA MAGALHÃES	CENTRO	Local	V4	P4	LEVE	LEVE
RUA ARISTEU MIGUEL	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA ARISTEU RODRIGUES DA SILVA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ARISTIDES GOMES ASSUNÇÃO	UMUARAMA	Local	V4	P4	LEVE	LEVE

RUA ARISTIDES MENDONÇA DE OLIVEIRA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA ARITICAÇÃ	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ARLINDO BETIO	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA ARMANDO CAPELLARI	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA ARMANDO DIOGO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ARMENIA	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA ARMINDA LOUREIRO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA ARMINDO FERREIRA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA ARNALDO BAENA FERNANDES	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ARNALDO MARQUES CARREIRA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA AROUCHE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ARRUBE MOURO	TUPY	Local	V4	P4	LEVE	LEVE
RUA ARTHUR BERNARDES	MOSTEIRO	Local	V4	P4	LEVE	LEVE
RUA ARTHUR MAIA DE ALMEIDA RAMOS	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA ARTHUR SLAV JUNIOR	NOVA ITANHAEM (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ARTHUR TIMOTEIO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ARTHUR WERNER KROGER	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA ARTUR KRUGER	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ARTURO MAINARDI	TUPY	Local	V4	P4	LEVE	LEVE
RUA ARUEIRA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ASSAI	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ASSEMBLÉIA DE DEUS	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ASSIS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ASSUNÇÃO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ATÁLIO BOCCARDO	TUPY	Local	V4	P4	LEVE	LEVE
RUA ATIBAIA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA AUGUSTA POMPEU FERNANDES	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA AUGUSTO A LOUREIRO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA AUGUSTO ALVES DE LIMA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA AUGUSTO DE LIMA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA AURORA	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA AURORA DE BRITO COUTINHO	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA AVANHANDAVA	SUARAO	Local	V4	P4	LEVE	LEVE
RUA AWARE	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA AVELINO AMBROSIO	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA AYRTON PACHECO DE TOLEDO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA B	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA BAÁA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA BAGDAD	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA BAGE	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA BAHIA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA BAIA	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA BAILARINA JULIA BEBIANO	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA BALTAZAR EUSÉBIO DE SOUZA	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA BALTHAZAR SEBASTIÃO RIBEIRO NICOLINI	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA BARRA FUNDA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA BARRETOS	SATELITE	Local	V4	P4	LEVE	LEVE
RUA BARTIRA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA BASTOS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA BATATAIS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA BATISTA DA COSTA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA BAURU	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA BEBEDOURO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA BEIJIA FLOR	BAIXIO	Local	V4	P4	LEVE	LEVE
RUA BELÉM	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA BELMIRO CASELLA	TUPY	Local	V4	P4	LEVE	LEVE
RUA BELO HORIZONTE	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA BENEDITA DE PAROLIS VITI	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA BENEDITA VALÉRIO	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA BENEDITO CALIXTO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA BENEDITO CARANGE	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA BENEDITO CELESTINO	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA BENEDITO DE OLIVEIRA LUZ	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA BENEDITO DE SOUZA	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA BENEDITO DOMINGOS DO ROSÁRIO	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA BENEDITO LACERDA FILHO	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA BENEDITO MALVÃO MIRANDA	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA BENEDITO MARIANO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA BENEDITO RICARDO DOS PASSOS	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA BENEDITO ROSENDO	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA BENEDITO SILVEIRA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA BENJAMIM ALVES DA SILVA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA BERITIBA	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA BERNARDINO DE SOUZA PEREIRA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA BERNARDINO DE CAMPOS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA BIAS FORTES	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA BLUMENAU	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA BOA ESPERANÇA DO SUL	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA BOA VISTA(NAO OFICIAL)	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA BOGOTA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA BOLÁVIA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA BOLIVAR	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA BOM PASTOR	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA BOROROS	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA BOSTON	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA BOTUCATU	LOTY	Local	V4	P4	LEVE	LEVE
RUA BRASILINO MARQUES DOS SANTOS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA BRIGADEIRO FARIA LIMA	VERDE MAR	Local	V4	P4	LEVE	LEVE
Rua BRIGIDA DE VERAS DOMINGUES	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA BUENOS AIRES	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA C	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA CÁCERO DA SILVA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA CABO GILBERTO OLIVEIRA DA GUIA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA CABREUVA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CACAPAVA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CACAU	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CAETANO LETTIERI	NOVA ITANHAÉM(SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA CAETE	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA CAIARANA	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA CAJURU	SUARAO	Local	V4	P4	LEVE	LEVE
RUA CALIFÓRNIA	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CAMBARA	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA CAMBE	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CAMBUCI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CAMBURIU	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE

RUA CAMPINAS	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CAMPININHA	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA CAMPO ALEGRE	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA CAMPOS AYRES	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA CAMPOS SALES	MOSTEIRO	Local	V4	P4	LEVE	LEVE
RUA CAMUCI MARTINS DE CASTRO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA CANADA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CANARIO	TUPY	Local	V4	P4	LEVE	LEVE
RUA CANDIDO BATISTA DE SOUZA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA CANELA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CANJARANA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CAPICHABA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA CAPITÃO AFONSO TESSITORE	VERDE MAR	COLETORA	V3	P3	MODERADO	MODERADO
RUA CAPITÃO ALBERTO MENDES JUNIOR	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CAPITÃO ARNALDO VALENTE	SAVOY	Local	V4	P4	LEVE	LEVE
RUA CAPITÃO MANOEL BENTO	CENTRO	Local	V4	P4	LEVE	LEVE
RUA CAPITÃO MENDES	CENTRO	COLETORA	V3	P3	MODERADO	MODERADO
RUA CAPIVARI	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CAPUAVA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA CARAMURU	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA CARDEAL MOTTA	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA CARJUS	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA CARLOS AGRA FERNANDES	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA CARLOS ALBERTO CARVALHO BATISTA	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA CARLOS DAL ALBA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CARLOS DUARTE DA COSTA	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA CARLOS EDUARDO MONTEIRO	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA CARLOS GOMES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA CARLOS MAYR FILHO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA CARLOS OLZON	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA CARLOS RAMALHO FOZ	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA CARLOS TREVISAN	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA CARMEN I SCIGLIANO	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA CASSIMIRO DAMBROSKI	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA CASTOR ZABALA DOMINGUES	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA CATANDUVA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA CATARINA GIMENES MARTINEZ	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA CATERETE	TUPY	Local	V4	P4	LEVE	LEVE
RUA CATHARINA GEHRTI GARCIA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CAUCASO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CEARÁ	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CEARÁ I	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CEARÁ II	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CEARÁ •	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA CEARÁ •	BORIRANGA	Local	V4	P4	LEVE	LEVE
RUA CECI	TUPY	Local	V4	P4	LEVE	LEVE
RUA CECILIO ALEXANDRE TRINDADE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA CEDRO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CELESTE DE JESUS ALVES DOS SANTOS	SÃO FERNANDO(CHACAR	Local	V4	P4	LEVE	LEVE
RUA CÉLIO VIUDES CARRASCO	NOVA ITANHAÉM(INTERIO	Local	V4	P4	LEVE	LEVE
RUA CELSO AIRES DA CUNHA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA CELSO RODRIGUES	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA CENILDE RIBEIRO DE SOUZA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA CESARIO BASTOS	CENTRO	Local	V4	P4	LEVE	LEVE
RUA CESAR BATISTA DOS SANTOS	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA CHARLOTTE ANNA RUZSICKA	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA CHICAGO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA CHILE	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA CHIQUITO DOMINGUES	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA CHUCRI SABONGI	NOVA ITANHAEM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA CICERO MARTINS DOS SANTOS	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA CIDADE DE IGUAPE	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA CINCO	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA CIPRESTE	SÃO FERNANDO(CHACAR	Local	V4	P4	LEVE	LEVE
RUA CIPRU	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CLARICE ANA CORDEIRO DE MELLO	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA CLAUDIO PAIVA DE OLIVEIRA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA CLAUDIO ROBERTO PEDROSO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CLELIA VASSÃO LONGO	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CLEMENTE MARTINS RÉ	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA CLEMENTINO PIRES	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CLODOMIRO DE SOUZA SILVEIRA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA COATI	TUPY	Local	V4	P4	LEVE	LEVE
RUA COCHABAMBA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA COLOMBIA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA COLOMBO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA COLUMBIA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CONCEPCION RODRIGUES GARCIA	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA CONCHAL	LOTY	Local	V4	P4	LEVE	LEVE
RUA CONEGO HENRIQUE VAN KASTEREN	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA CONSTANTINA CAMPAGNA SILVA	TUPY	Local	V4	P4	LEVE	LEVE
RUA CONSTANTINO GARCIA CRESPO	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA COPAUVA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA COQUEIRO	SÃO FERNANDO(CHACAR	Local	V4	P4	LEVE	LEVE
RUA CORAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA CORNELIO PROCOPIO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CORONEL JOAQUIM BRANCO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA CORONEL JULIO RODRIGUES	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA CORONEL TABORDA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA CORUMBÁ •	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA COSTA RICA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA COTINHA MAGALHÃES	NOVA ITANHAÉM(SUPERI	Local	V4	P4	LEVE	LEVE
RUA COTOVIA	TUPY	Local	V4	P4	LEVE	LEVE
RUA CRISTO OPERARIO	TROPICAL	Local	V4	P4	CRÍTICO	LEVE
RUA CRISTOVÃO COLOMBO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA CRUZEIRO DO SUL	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA CUBA	MOSTEIRO	Local	V4	P4	LEVE	LEVE
RUA CIJABA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CUNHA MOREIRA	CENTRO	Local	V4	P4	LEVE	LEVE
RUA CUNHAPORAN	NOVA ITANHAEM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA CURIO	TUPY	Local	V4	P4	LEVE	LEVE
RUA CURITIBA	GAIVOTA (PRAIA)	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA CURUAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA CUSTODIO TAVARES DE ALMEIDA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA D	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE

RUA DA ASSOCIAÇÃO	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA DA BOITE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DA ENSEADA	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA DA FRATERNIDADE	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA DA LIBERDADE	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA DA LIBRA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DA LIRA	CIBRATEL CHÁCARAS	Local	V4	P4	LEVE	LEVE
RUA DA SAUDADE	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DA SAÚDE	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA DA SOROCABA (DE ACORDO COM PLANTA)VERIFICAR?	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA DARIO EVARISTO PIRES	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAGMAR	LOTY	Local	V4	P4	LEVE	LEVE
RUA DAGOBERTO NOGUEIRA DA FONSECA	SUARAO	COLETORA	V3	P3	MODERADO	MODERADO
RUA DAISY	LOTY	Local	V4	P4	LEVE	LEVE
RUA DALTON MULLER PESSOA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA DANIEL DOS SANTOS BARROS	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA DANIEL GIANOTTI	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA DANILIO TEIXEIRA DE CARVALHO	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA DAS AZALEIAS	LOTY	Local	V4	P4	LEVE	LEVE
RUA DAS BROMÉLIAS	LOTY	Local	V4	P4	LEVE	LEVE
RUA DAS CARNAUBAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS CEREJEIRAS	LOTY	Local	V4	P4	LEVE	LEVE
RUA DAS CHACARAS	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA DAS FLORES	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DAS GUARIROBAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS HORTENCIAS	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DAS IRAIBAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DAS IRAUBAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS JARINAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS JATAIBAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS JUSSARAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS MACAÚBAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS MACUIBAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS NAÇÕES UNIDAS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DAS OLIVEIRAS	SUARAO	Local	V4	P4	LEVE	LEVE
RUA DAS ORQUÍDEAS	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA DAS PALMAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DAS PALMEIRAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DAS ROSAS	LOTY	Local	V4	P4	LEVE	LEVE
RUA DAS ROSEIRAS	SUARAO	Local	V4	P4	LEVE	LEVE
RUA DAS SAMAMBAIAS	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA DAS TAMAREIRAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAS TIRARAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DAS URICANAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DAVID LONGO	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA DEPUTADO PLINIO SALGADO	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA DES JOSÉ MAURO BOURREAUT RIBEIRO	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA DES. JUSTINO MARIA PINHEIRO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA DESEMBARGADOR JOSÉ DAVID FILHO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA DEZESSEIS	TUPY	Local	V4	P4	LEVE	LEVE
RUA DIAMANTE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DIANA	SATELITE	Local	V4	P4	LEVE	LEVE
RUA DINAMARCA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA DINIZ ANTUNES DO PRADO	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA DIOMAR PEIXOTO LOUZADA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DIRCE LISSE DO NASCIMENTO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DIRCE LORENA RAMOS MONTEIRO	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA DIRceu SENTOMA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DIVINO JUSTINO DA SILVA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DO CAMINHO	LOTY	Local	V4	P4	LEVE	LEVE
RUA DO CANAL	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DO CLUBE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DO CORREGO	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA DO COSTÃO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA DO CRUZEIRO	CIBRATEL CHÁCARAS	Local	V4	P4	LEVE	LEVE
RUA DO DOLAR	CIBRATEL CHÁCARAS	Local	V4	P4	LEVE	LEVE
RUA DO ESCUDO	CIBRATEL CHÁCARAS	Local	V4	P4	LEVE	LEVE
RUA DO FRANCO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DO HORTO	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA DO LOUVRE	JARDIM SUARÃO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DO MORRO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA DO POMAR	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA DO QUILOMBO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DO RIO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA DO TELÉGRAFO	NOVA ITANHAÉM(PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOM ANTONIO MARIA SIQUEIRA	SUARAO	Local	V4	P4	LEVE	LEVE
RUA DOM IDILIO SOARES	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOM JOSÉ GASPAR	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA DOM JOSÉ GASPAR AFONSECA E SILVA	MOSTEIRO	Local	V4	P4	LEVE	LEVE
RUA DOM JOSÉ VARANI	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOM LARA	MOSTEIRO	Local	V4	P4	LEVE	LEVE
RUA DOM PAULO PEDROSA	CENTRO	Local	V4	P4	LEVE	LEVE
RUA DOM PAULO ROLIM LOUREIRO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOM PEDRO II	CENTRO	Local	V4	P4	LEVE	LEVE
RUA DOM SEBASTIÃO LEME	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA DOMINGOS BARATELLA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA DOMINGOS BENTO DA SILVA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA DOMINGOS PADULA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DONA CONSTÂNCIA DE CARVALHO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DONA HIPOLITA DE BRITO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA DONA LUDOVINA MARIA DE JESUS	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA DONA MARIA BECHIR	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA DORA LUCIA GARAY FABREGUES	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA DORIVAL MARIANO SILVA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA DORIVAL MARQUES	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA DOS ACUMAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS AURIS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS BABASSUS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS BANDEIRANTES	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA DOS BRILHANTES	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS BUCUS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS BURIS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS CAXARAMAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS CAÇADORES	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA DOS CARANAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE

RUA DOS CARANDAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS CATULES	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS CIPOS	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA DOS COQUEIROS	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA DOS ESPANHOIS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DOS FUNDADORES	PRAIA DO SONHO	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA DOS INDAIAS	JAMAICA (INTEIROR)	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA DOS INGLESES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DOS ITALIANOS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DOS JAVARIS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS JEQUITIRAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS JERIVAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS LARAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS LIBANESES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DOS LIRIOS	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA DOS MACAJAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS MACUMAS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS NUARUAQUES	TUPY	Local	V4	P4	LEVE	LEVE
RUA DOS PALMITOS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS PASSARINHOS	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA DOS PIRIQUITOS	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA DOS PISSANDUS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS PORTUGUESES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DOS TIMBRAS	TUPY	Local	V4	P4	LEVE	LEVE
RUA DOS TUCUMAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS TUPINAMBARANAS	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA DOS TURIRIS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOS UACACUS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS UBIS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS URUCURIS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOS XAVANTES	TUPY	Local	V4	P4	LEVE	LEVE
RUA DOUTOR ALEXANDRE DA ALESSANDRINI	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA DOUTOR ADHEMAR DE BARROS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA DOUTOR ALCEBIADES SARAIVA	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA DOUTOR ALCEU MAYNARD DE ARAUJO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA DOUTOR AMERICO LANDUCCI	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOUTOR AUGUSTO DA MOTTA PACHECO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOUTOR DJALMA FILOSO	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA DOUTOR EGAS MUNIZ DE ARRUDA BOTELHO	SATELITE	Local	V4	P4	LEVE	LEVE
RUA DOUTOR FRANCISCO EUGENIO DO AMARAL	NOVA ITANHAEM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA DOUTOR FREDERICO DE SOUZA QUEIROZ FILHO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA DOUTOR JOACIM FROTA DE SOUZA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA DOUTOR JOSÉ DIAS DE ARAUJO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA DOUTOR JOSÉ NEIDE LESSA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOUTOR LUCAS NOGUEIRA GARCEZ	SUARAO	Local	V4	P4	LEVE	LEVE
RUA DOUTOR LUIZ CARLOS DURANTE	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA DOUTOR LUIZ MOTINHO DORIA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA DOUTOR MARIA BENI	JARDIM SUARAO (INTERIO	COLETORA	V3	P3	MODERADO	MODERADO
RUA DOUTOR MILTON ALDREDE	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA DOUTOR OTHONIEL DE MORAES MAGALHES	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA DOUTOR RUBEM MARCUS ROCHA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA DOUTOR RUI FRANCO PERES	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA DOUTOR SIMOES	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA DOUTOR TITO CARLOS PEREIRA	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA DR ARIOLVALDO VIANNA	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA DR. RICARDO FALCAO RANGEL	CENTRO	Local	V4	P4	LEVE	LEVE
RUA DURVAL COSTA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA DURVAL EMILSON LEONI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA DURVAL MUylaert	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA DURVAL SERRANO	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA DURVALINA AUGUSTA MARTINS	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA E	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA EDGARD MARTINS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA EDIWREGES NUNES	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA EDMUNDO GOMES ESTRIGA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA EDSON GABRIEL DOS SANTOS	TUPY	Local	V4	P4	LEVE	LEVE
RUA EDUARDO CAMPOS	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA EDUARDO CASTRO DE ARAUJO	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA EDUARDO FORNACIARI	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA EDUARDO PEDRO MARIANO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA ELDORADO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ELI SILVA MARTINS	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA ELIANE SIQUEIRA LORENA	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA ELIEZER CARDOSO DOS SANTOS	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA ELISA MARIA DE OLIVEIRA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ELISEARIO SOARES ALBERGARIA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ELISEU VISCONTI	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ELIZA F. FORNACIARI	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA ELZA AUGUSTO DE SIQUEIRA	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA ELZA GALVAO BRANCO	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA EMERSON DA SILVA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA EMIDIO DE SOUZA	SATELITE	COLETORA	V3	P3	MODERADO	MODERADO
RUA EMIDIO PEREIRA DE CASTRO	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA EMILIA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA EMILIANO PEDROSO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA EMILIANO RIBEIRO DA SILVA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA EMILIO JUSTO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA EMILIO PAULO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ENG. ATILIO CARLOS PINTO FONSECA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ENG. JOSÉ DE BARROS SARAIVA	NOVA ITANHAEM (INTERIC	Local	V4	P4	LEVE	LEVE
RUA ENGENHEIRO FRANCISCO AUGUSTO SARAIVA FANUEL	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA EQUADOR	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA ERALDO DE OLIVEIRA	SÃO FERNANDO(CHACAR	Local	V4	P4	LEVE	LEVE
RUA ERALDO EUGENIO DE OLIVEIRA VANTI	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ERICH SKIELKA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ERICO VERISSIMO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA ERNESTO MARIANO DOS SANTOS	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA ERNESTO ZWARG	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA ESMERALDA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA ESPIRITO SANTO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ESTANISLAU GERONIMO	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA ESTELA BALAO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ESTER SANCHES LOPES	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA EUCLIDES DA SILVA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA EUCLIDES GALDINO DA COSTA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE

RUA EULICIA CHAVES SOUZA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA EUROPA	PRAIA DO SONHO	Local	V4	P4	LEVE	LEVE
RUA EWALDO RAMALHO FOZ	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA EXISTENTE	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA EXISTENTE SEM DENOMINACAO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA EXPEDICIONARIO POITENA	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA F	LOTY	Local	V4	P4	LEVE	LEVE
RUA FABIO OLIVEIRA DE BARROS	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA FELISBERTO DE JESUS FARRESGO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA FERNANDO OTAVIANO TOLEDO FABREGUES	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA FIGUEIRA	SAO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA FLAVIO PRADO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA FLORIANÓPOLIS	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA FLORIDA	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA FLORIDES MENEZES DA SILVA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA FORTALEZA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA FRAMBOYAN	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA FRANCA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA FRANCELINO ROMÃO	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO BRAULIO ENNES RIBEIRO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO CESAR	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO DE ARAUJO FILHO	SAVOY	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO DE ASSIS RODRIGUES DA SILVA	NOVA ITANHAEM (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO LOPES TEIXEIRA FORTE	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO MAURICIO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO MEDICI	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO PIVA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO S NICOLINI	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO SANCHES	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA FRANCISCO THEODORO RAMOS	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA FREDERICO JORGE MULLER	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA FREDERICO WALTER	SAVOY	Local	V4	P4	LEVE	LEVE
RUA G	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA GABIROBA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA GABRIEL LEITE DO AMARAL	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA GAMELEIRA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA GARCIA BENTO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA GENARO DE LUCA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA GENIVAL RIBEIRO RODRIGUES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA GENTIL ALVES CARNEIRO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA GENTIL GOMES RODRIGUES	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA GENTIL JOSE DE MATOS	TUPY	Local	V4	P4	LEVE	LEVE
RUA GERALDO BEZERRA DA SILVA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA GERALDO DE SOUZA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA GERALDO PAULON MORENO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA GERALDO RUSSOMANO	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA GEZA HARY	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA GILBERTO NOTARO	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA GILBERTO POMPEU	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA GILENO DA SILVA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA GILMAR JOSE CARNEIRO	VERDE MAR	COLETORA	V3	P3	MODERADO	MODERADO
RUA GIMIRIM	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA GINO ARDUINI	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA GIUSEPE SARTO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA GLÓRIA DE SOUZA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA GOÁS	SATELITE	Local	V4	P4	LEVE	LEVE
RUA GÓFREDO DA SILVA TELLES	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA GOIÁS	SATELITE	Local	V4	P4	LEVE	LEVE
RUA GOIANIA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA GOIÁS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA GOITACAZES I	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA GOITACAZES II	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA GREGORIO CAMPOS	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA GUAIANAZES	TUPY	Local	V4	P4	LEVE	LEVE
RUA GUIACURUS	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA GUAPEVA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA GUAPIRUVU	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA GUapore	CIBRATEL CHACARAS	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA GUARA	TUPY	Local	V4	P4	LEVE	LEVE
RUA GUARACIABA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA GUARACUI	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA GUARANI	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA GUARANIS	TUPY	Local	V4	P4	LEVE	LEVE
RUA GUARANY	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA GUARAREMA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA GUARATINGUETA	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA GUARAÚ	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA GUARAÚNA	TUPY	Local	V4	P4	LEVE	LEVE
RUA GUARUJA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA GUARULHOS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA GUATEMALA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA GUAXUPE	LOTY	Local	V4	P4	LEVE	LEVE
RUA GUIDO PADOVAN	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA GUIDO TOCCOLLINI	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA GUILHERME DOS SANTOS SILVA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA GUILHERME HERGERSHEIMER	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA GUILHERME LOYOLLA OLIVEIRA	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA GUILHERME MENZEL FILHO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA GUILHERME ROBERTO DA COSTA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA GÚS	TUPY	Local	V4	P4	LEVE	LEVE
RUA GUY PIERRE BERJEAUT	PRAIA DO SONHO	Local	V4	P4	LEVE	LEVE
RUA H	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA H 16	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 17	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 18	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 19	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 20	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 21	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 22	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 23	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 24	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 25	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 26	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 27	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 27A	UMUARAMA	Local	V4	P4	LEVE	LEVE

RUA H 28	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 29	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 30	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 31	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 32	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 34	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 36	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H 37	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H1	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H10	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA H11	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA H12	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H13	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H14	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H15	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H2	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H3	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H4	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H5	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA H6	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H7	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA H8	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA H9	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA HANS ENTHOLZER	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA HEBER CEMENCIO DE SANTANA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA HEINZ WALLENTOWITZ	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA HELIO BORBA VITA	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA HELOISA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA HELVÉCIO DE SOUZA	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA HENRI COLSON	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA HENRIQUE BERNARDELLI	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA HENRIQUE JULIO DE LIMA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA HENRIQUE SCIGLIANO	JARDIM SUARÃO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA HERCILIA MARIANO DA COSTA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA HERMES DE ABREU FERREIRA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA HERMINIA DIAS DE MATOS	TUPY	Local	V4	P4	LEVE	LEVE
RUA HERITA MULLER	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA HILDETE CARNEIRO DA CUNHA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA HOLANDA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA HONDURAS	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA HORTO FLORESTAL	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA HUGO AUGUSTO SLIVACK	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA HUGO FORNACIARI	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA HUGO POLASTRINI	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA HUMAITÁ	CIBRATEL CHÁCARAS	Local	V4	P4	LEVE	LEVE
RUA HUMBERTO LADALLARDO	SAVOY	Local	V4	P4	LEVE	LEVE
RUA HUMBERTO MAINARDI	TUPY	Local	V4	P4	LEVE	LEVE
RUA I	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA IAN R DUBUGRAS	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA IARA	TUPY	Local	V4	P4	LEVE	LEVE
RUA IBIÚNA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA IDA BELETATTO MARTINS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA IEAMAJÁ ·	TUPY	Local	V4	P4	LEVE	LEVE
RUA IGNACIO ALESUNAS	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA IGUAÇU	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA ILÇA NUVOULLI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ILIA S MORRELL	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA IMBAUVA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA IMBUIA	TUPY	Local	V4	P4	LEVE	LEVE
RUA IMPERATRIZ LEOPOLDINA	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA INAJA	TUPY	Local	V4	P4	LEVE	LEVE
RUA INGA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA INSTITUCIONAL 1	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA IONETE FERREIRA SOUZA E SILVA	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA IPANEMA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA IPIRANGA	PRAIA DOS SONHOS	COLETORA	V3	P3	MODERADO	MODERADO
RUA IRACEMA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA IRACEMA DONNARUMMO VIEIRA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA IRACY	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA IRAPUAN	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA IRMÃ DULCE	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA ISABEL MENEZES HANGAI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ISAIAS JOSE GOMES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ISaura ANTUNES GARZON	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA ISOLINA PUPO DUARTE	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ITA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ITÁHIA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ITABOCA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ITAGUAÇABA	SUARAO	Local	V4	P4	LEVE	LEVE
RUA ITAI	TUPY	Local	V4	P4	LEVE	LEVE
RUA ITAJAÄ ·	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA ITÁLIA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ITANHAËM	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ITAÓCA	CIBRATEL CHÁCARAS	Local	V4	P4	LEVE	LEVE
RUA ITAPECERICA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ITAPECURUS	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA ITAPEMA	SUARAO	Local	V4	P4	LEVE	LEVE
RUA ITAPETININGA	CIBRATEL CHÁCARAS	Local	V4	P4	LEVE	LEVE
RUA ITAPEVA	SÃO FERNANDO(CHACAR	Local	V4	P4	LEVE	LEVE
RUA ITAPURA	SUARAO	Local	V4	P4	LEVE	LEVE
RUA ITAQUAQUECETUBA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ITARARÉ	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ITARIRI	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA ITU	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA ITÚ	TUPY	Local	V4	P4	LEVE	LEVE
RUA ITUPEVA	SUARAO	Local	V4	P4	LEVE	LEVE
RUAIVALDO FIRMINO DOS SANTOS	SAVOY	Local	V4	P4	LEVE	LEVE
RUA IVAN ALEXANDRE MATEOS DE BARROS	SATELITE	Local	V4	P4	LEVE	LEVE
RUA J	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JACARANDA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JACAREI	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA JACAREZINHO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JACATAUVA	SÃO FERNANDO(CHACAR	Local	V4	P4	LEVE	LEVE
RUA JACI	TUPY	Local	V4	P4	LEVE	LEVE
RUA JACOME FAJARDO	CENTRO	Local	V4	P4	LEVE	LEVE

RUA JACQUES COSTEAU	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JACUTIRAO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JACY	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JAHU	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JAIME AUGUSTO PINHEIRO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JAIME PINHEIRO DE SOUZA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JAKSON PITELLI	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JANDAIÁ	TUPY	Local	V4	P4	LEVE	LEVE
RUA JAPÃO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JARBAS LOPES MOREIRA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JARDIM CORONEL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JARDINOPOLIS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JASMIM	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA JATAÍ	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA JATÓBA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JAÚ	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JAYME LINO DOS SANTOS	SAVOY	Local	V4	P4	LEVE	LEVE
RUA JEQUITIBÁ	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA JERONIMO SANTANA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA JESUS EIRAS PORBEN	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA JESUS FERREIRA DINIZ	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JOANA LIMA DOS SANTOS	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JOANITA XAVIER BRAZ	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA JOÃO ALVES DE OLIVEIRA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOÃO ALVES FERREIRA	CENTRO	Local	V4	P4	LEVE	LEVE
RUA JOÃO ALVES NETO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOÃO ANDRADE JUNIOR	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA JOÃO ANTONIO	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA JOÃO ARAUJO NETO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOÃO BAPTISTA DIAS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JOÃO BARBI	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA JOÃO BARNA FILHO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOAO BATISTA OLIVEIRA	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA JOÃO CÂNDIDO DE SOUZA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA JOÃO CAPISTRANO PEREIRA	CORUMBA	COLETORA	V3	P3	MODERADO	MODERADO
RUA JOÃO CARLOS MARQUES BARBOSA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOÃO CELESTINO DA COSTA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA JOÃO COELHO	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA JOÃO DA GUIA	NOVA ITANHAÉM(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOÃO EVANGELISTA HONORIO ALVES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOÃO FARAH	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA JOÃO FERREIRA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOÃO GABRIEL AGLIASCO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOÃO MARIANO	CENTRO	Local	V4	P4	LEVE	LEVE
RUA JOÃO MARIANO FERREIRA	CIDADE ANCHIETA	COLETORA	V3	P3	MODERADO	MODERADO
RUA JOÃO MOURA DOS SANTOS	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA JOÃO PAULO DA LUZ	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA JOÃO PEDRO ORSI	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA JOÃO PEDRON	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JOÃO PEREIRA DOS SANTOS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOÃO PESSOA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOÃO PIRES DOS SANTOS (BIGODE)	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOÃO POMPEU	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA JOÃO QUINTO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JOÃO RAMOS BLANCO	SATELITE	Local	V4	P4	LEVE	LEVE
RUA JOÃO RAMOS GOMES	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA JOÃO RIBEIRO DA SILVA FILHO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOÃO RITA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOÃO RUFINO	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JOÃO SELYMES	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA JOÃO TONINA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA JOÃO VIANA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM ALVES FILHO	NOVA ITANHAÉM(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM BALBINO DA SILVA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM CARLOS PAIGA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM CARRALERO GARCIA	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM DOMINGUES JUNIOR	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM DOS SANTOS AGUIAR	CENTRO	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM FERNANDES	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM FRANCISCO DOS SANTOS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM GIANINI DE MELLO	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM GONÇALVES DA SILVA	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM GONÇALVES MENDES	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM MEIRA	CENTRO	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM NASCIMENTO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM PEDRO DO NASCIMENTO	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA JOAQUIM RODRIGUES PAJARO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOAQUINA SANTOS QUEIROZ DO NASCIMENTO	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JOEL AMARO DA SILVA	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA JOEL ARLINDO LUIZ CARVALHO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOINVILLE	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA JOINVILLE	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JONAS TICHONENKO	TUPY	Local	V4	P4	LEVE	LEVE
RUA JORDÃO BRAMBILLA	CORUMBÁ	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA JORGE CHARIF	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA JORGE ROSSMANN NETO	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA JORGE ROSSMANN	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA JORGE SERCONEK FILHO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ A. ALVES	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ AGOSTINHO	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ ALVES BRANDAO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSÉ ALVES DA SILVA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA JOSÉ ALVES DA SILVA MATOS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ AMARAL	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA JOSÉ ANTONIO DOS SANTOS	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA JOSÉ APARECIDO DOS SANTOS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSÉ APELIAN	SAVOY	Local	V4	P4	LEVE	LEVE
RUA JOSÉ AUGUSTO DA SILVA LOPES DO NASCIMENTO	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ AUGUSTO RODRIGUES	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ BARNABÉ ALVES	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA JOSÉ BATISTA DUARTE	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA JOSÉ BRANDÃO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSÉ CARLOS CORDIANO ALVES	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA JOSÉ CORREIA FILHO	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA JOSÉ CURY	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE

RUA JOSÉ DE ANCHIETA FORTES GATTO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSÉ DE OLIVEIRA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ DIOGO	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ DOMICIANO DA SILVA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ DONAS	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ DOS REIS VIEIRA REPOLHO " ALAN "	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ DOS SANTOS	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ ERNESTO BECHELLI	GUAPIRANGA	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA JOSÉ FERREIRA DE CASTRO	AGUAPEÚ	Local	V4	P4	LEVE	LEVE
RUA JOSÉ FERREIRA FRANCO	SAVOY	Local	V4	P4	LEVE	LEVE
RUA JOSÉ GARCIA DA COSTA MARTELO JUNIOR	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA JOSÉ GEROLOMO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ GESCA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ GOMES DOS SANTOS	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ HONORIO ALVES	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ HONORIO DOS SANTOS	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ JOAO BECHIR	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ LEITE	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA JOSÉ LUCIANO M. BORGES	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MANOEL LORENZO LEIRO	NOVA ITANHAÉM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARCIANO DE SOUZA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARIA DE CASTRO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARIA FONSECA CORREA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARIA GOMES RIVERA	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARIA LEITÃO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARIA WHITAKER	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARIANO SILVA	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARQUES	SAVOY	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MARTINS FRANCISCO DE OLIVEIRA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MEIRA DOS SANTOS	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ MENDES DE ARAUJO	VILA SAO PAULO	Local	V4	P4	LEVE	LEVE
RUA JOSÉ PEDRO AGUIAR	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA JOSÉ PIRES DA SILVA	TUPY	Local	V4	P4	LEVE	LEVE
RUA JOSÉ PLÁCIDO DE MEDEIROS	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ RAMOS BLANCO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSÉ ROBERTO LOPES RIVERA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSÉ RODRIGUES POITENA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ ROSSMANN	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ ROSSMANN FILHO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA JOSÉ RUBENS DE O. MARANHAO	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ RUIZ MERINO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA JOSÉ SEVERIANO DA SILVA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSÉ SIMÕES NEVES	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA JOSÉ SIMONE	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JOSÉ SPINOSA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ TROVASI	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSÉ VALQUIRIO DA SILVA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JOSÉ VICENTE MOREIRA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA JOSEFA DE SOUZA DIAS	NOVA ITANHAÉM (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOSEFA SALVINA DA CONCEICAO	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA JOSEFINA BERTOLANI	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA JOSEMAR PASSOS SANTOS	GAIVOTA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOSEPHINA C CELESTINO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JOSUE JOSÉ DE LIMA	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA JOSUÉ PAULO ELIAS	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA JOSUÉ RODRIGUES VALENTE	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JOVINIANO CARDOSO DO NASCIMENTO	GAIVOTA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JOVINO CARDOSO	GAIVOTA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JUDITH DETINATTI DA SILVA	SATELITE	Local	V4	P4	LEVE	LEVE
RUA JULIA ALVES DE SOUZA CURY	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA JULIO CESAR CORREA DE OLIVEIRA	LOTY	Local	V4	P4	LEVE	LEVE
RUA JULIO DE ALMEIDA BAPTISTA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA JULIO DOS SANTOS	CENTRO	Local	V4	P4	LEVE	LEVE
RUA JULIO GAMA ALVES	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA JULIO MOUTINHO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA JULIO PIRES	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA JUNDIAÍ	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA JUNDIAÍ •	NOVA ITANHAÉM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA JUPIRA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JUQUIÁ •	SÃO FERNANDO (CHACARAS)	Local	V4	P4	LEVE	LEVE
RUA JURACI	SÃO FERNANDO (CHACARAS)	Local	V4	P4	LEVE	LEVE
RUA JURACY	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA JUREMA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA JURITI	SÃO FERNANDO (CHACARAS)	Local	V4	P4	LEVE	LEVE
RUA JURUÁ	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA JURUÁ •	TUPY	Local	V4	P4	LEVE	LEVE
RUA JUSSARA	TUPY	Local	V4	P4	LEVE	LEVE
RUA JUVÊNCIO JOSÉ DE ALMEIDA DE SOUZA	NOVA ITANHAÉM (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA K	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA KAIOWA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA KENRYU OHMURA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA KENTUCKY	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA KETES DO ROSARIO DOMINGUES	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA L	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA LA PAZ	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA LAPA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA LAS VEGAS	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA LAUDELINA MARIANA CAMPOS	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA LAUDELINA MARIANO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA LAURA BOCCARDO MAINARDI	TUPY	Local	V4	P4	LEVE	LEVE
RUA LAZARO GOMES	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA LAZARO LEAL DA SILVA	TUPY	Local	V4	P4	LEVE	LEVE
RUA LEANDRA FERREIRA DA COSTA	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA LEANDRO MARTINS DA SILVA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA LEAO XIII	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA LEME	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA LEONICIO FELINTO DA SILVA	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA LEONIDIA SANTOS DE JESUS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA LEONILDO GARAVATTI	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA LEOPOLDINO DE ARAUJO	CENTRO	Local	V4	P4	LEVE	LEVE
RUA LEOPOLDO DIZ	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA LIA MARIA	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA LILI	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA LIMA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA LIMEIRA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE

RUA LINS	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA LISETTE DOUAY BRANDI	TUPY	Local	V4	P4	LEVE	LEVE
RUA LONDrina	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA LOS ANGELES	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA LOURDES DE SIQUEIRA MELLO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA LOURDES PUTTINE DE OLIVEIRA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA LOURIVAL FAUSTO MUNIZ	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA LUCELIA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA LUCIANO ALVES DOS SANTOS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA LUCILIO DE ALBUQUERQUE	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA LUIZ ALFREDO M PEREIRA	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA LUIZ ANTONIO MAINARDI	TUPY	Local	V4	P4	LEVE	LEVE
RUA LUIZ ANTUNES LOPES	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA LUIZ CARLOS DUARTE	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA LUIZ CARLOS SPOSITATO	TUPY	Local	V4	P4	LEVE	LEVE
RUA LUIZ CHAPINA PAIXÃO	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA LUIZ DOMINGOS CRUZ	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA LUIZ FICHMANN	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA LUIZ FORNACIARI	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA LUIZ GONZAGA SILVA FONSECA	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA LUIZ J. VEGAS	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA LUIZ MAINARDI	TUPY	Local	V4	P4	LEVE	LEVE
RUA LUIZ REID	JARDIM SUARÃO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA LUIZ ROBERTO ARRUDA	SATELITE	Local	V4	P4	LEVE	LEVE
RUA LUIZ RODRIGUES	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA LUIZA FORSELL	NOVA ITANHAEM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA LUIZA ROSA BECHELLI	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA LUXEMBURGO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA LYDIA	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA LYON	JARDIM SUARÃO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA M	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MÁRIO GALVÃO	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA MACAPÁ•	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MACAPÁ•	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA MACEIÓ	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MACHADO DE ASSIS	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA MADRE BERNARDA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MAESTRO ALBERTO MARINO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA MAGNÓLIA	SÃO FERNANDO(CHACARA	Local	V4	P4	LEVE	LEVE
RUA MAISA SILVA DOS PASSOS	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA MAJOR CELSO ALVES SORC	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MAJOR EZEQUIEL CORREA DE ARAÚJO	JAMAICA (INTERIOR)	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA MAJOR LUIZ GONZAGA VILLELA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MALTA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MALVA	JARDIM SUARÃO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA MAMBÚ	NOVA ITANHAEM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA MAMÉDIO OLIVEIRA TAMBUQUE	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA MANACA	SÃO FERNANDO(CHACARA	Local	V4	P4	LEVE	LEVE
RUA MANACIO APELIAN	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MANAUS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MANDAUASSU	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA MANOEL ALEXANDRE DOS SANTOS	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA MANOEL ALVES DE OLIVEIRA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MANOEL AVELINO DOS SANTOS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MANOEL CLODOMIRO GATTO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MANOEL DA NÓBREGA	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA MANOEL DOS SANTOS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MANOEL FERREIRA DE OLIVEIRA	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA MANOEL FRANCISCO CANICAS FILHO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MANOEL FRAUZINO DOS SANTOS	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MANOEL GONCALVES FILHO	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA MANOEL JOAQUIM DO NASCIMENTO	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA MANOEL JORGE	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA MANOEL JOSÉ DOS SANTOS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MANOEL LOUZADA	NOVA ITANHAEM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA MANOEL MARQUES	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA MANOEL MARTINS	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA MANOEL MENDES	NOVA ITANHAÉM(INTERIO	Local	V4	P4	LEVE	LEVE
RUA MANOEL MOREIRA SENNE	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA MANOEL PATRÍCIO DOS REIS	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MANOEL PEDROSO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MANOEL PEREIRA DA COSTA	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA MANOEL PEREIRA ROSA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MANOEL RIBEIRO DOS SANTOS	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA MANOEL RODRIGUES POITENA	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA MANOEL SILVEIRA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MANSUETO GREGÓRIO	SUARAO	Local	V4	P4	LEVE	LEVE
RUA MANUEL BUSTOS YERBES	TUPY	Local	V4	P4	LEVE	LEVE
RUA MANUEL DE OLIVEIRA JUNIOR	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA MARÁlia	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA MARABA	TUPY	Local	V4	P4	LEVE	LEVE
RUA MARAJÓ	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MARANATA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MARANHÃO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA MARCIA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MARFIM	SÃO FERNANDO(CHACARA	Local	V4	P4	LEVE	LEVE
RUA MARGARIDA RAMIREZ	NOVA ITANHAEM (INTERIC	Local	V4	P4	LEVE	LEVE
RUA MARGINAL	TUPY	Local	V4	P4	LEVE	LEVE
RUA MARGINAL (E.F.S.)	TUPY	Local	V4	P4	LEVE	LEVE
RUA MARGINAL 05	NOVA ITANHAEM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA MARGINAL 1	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA MARGINAL 17	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MARGINAL 18	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MARGINAL 2	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA MARGINAL 3	JAMAICA (PRAIA)	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA MARGINAL 4	LOTY	Local	V4	P4	LEVE	LEVE
RUA MARGINAL 7	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA MARGINAL 8	VERDE MAR	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA MARGINAL ANCHIETA	JAMAICA (PRAIA)	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA MARGINAL J	TUPY	Local	V4	P4	LEVE	LEVE
RUA MARGINAL S	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MARIA AMELIA DA SILVA GENEROSO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA MARIA ANTONIA LOPES LEITAO	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA MARIA APARECIDA AGUIAR	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MARIA APARECIDA ROCHA E SILVA	AGUAPEU	Local	V4	P4	LEVE	LEVE

RUA MARIA BALINT	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MARIA BENEDITA DE MATTOS POITENA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MARIA CANDIDA CAMPOS ARAGAO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA MARIA CÂNDIDA DA SILVA MOREIRA	NOVA ITANHAEM (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MARIA CARRASCO ARNAL VIUDES	CENTRO	Local	V4	P4	LEVE	LEVE
RUA MARIA CECILIA	LOTY	Local	V4	P4	LEVE	LEVE
RUA MARIA CELESTE PINTO DE CASTRO	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA MARIA CONCEPCION PAZOS DE OLIVEIRA	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA MARIA DAS DORES RODRIGUES	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MARIA DE JESUS ALVES	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MARIA DEOLINDA ASSUNÇÃO SALLES	MOSTEIRO	Local	V4	P4	LEVE	LEVE
RUA MARIA DO ARAGIPE	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MARIA GENI GRIZOSTI	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MARIA LUIZA PENTEADO COLNAGHI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MARIA NÁHIO MAINARDI	TUPY	Local	V4	P4	LEVE	LEVE
RUA MARIA PIRES	SAVOY	Local	V4	P4	LEVE	LEVE
RUA MARIA PUREZA LEAL DIZ	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MARIA SOARES DOS SANTOS	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA MARIA SOARES PEDROSO	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA MARIA TERESA MAINARDI	TUPY	Local	V4	P4	LEVE	LEVE
RUA MARIA TEREZA	LOTY	Local	V4	P4	LEVE	LEVE
RUA MARIA TEREZA DA SILVA PEDROSO	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA MARIA VICTÓRIA DE ARAUJO BERING	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA MARIALVA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MARIANA AYRES DE OLIVEIRA	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA MARIANA DOS SANTOS	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA MARINA COELI DE AMORIM PACHECO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA MARINA PAES DIOGO	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA MARINGA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MARINGÁ	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA MARINGÁ+	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA MARINGÍ	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA MARIO BAMMANN	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MARIO CIVELLI	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MARIO COELHO GARCIA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA MÁRIO GALVÃO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MÁRIO GIMENES	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MÁRIO MARQUES DE SOUZA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA MÁRIO MARQUES FERREIRA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MÁRIO MICAS	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MÁRIO SIMÕES	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MARLENE MEIRA GUIMARÃES ROCHA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MARLI SILVA SALES	SATÁ%LITE	Local	V4	P4	LEVE	LEVE
RUA MARLY	LOTY	Local	V4	P4	LEVE	LEVE
RUA MARROCOS	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MARTA	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA MARTINHO LUZ NINO	SATELITE	Local	V4	P4	LEVE	LEVE
RUA MATHIAS DE ALMEIDA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MATO GROSSO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MAURILIO PEREIRA DOS SANTOS	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA MAXIMINO NUNES BARRETO	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA MECÀ	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MELRO	TUPY	Local	V4	P4	LEVE	LEVE
RUA MERIL BRANDILLA CALAZANS	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA MESSIAS DE SOUZA PINTO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA MÉXICO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA MIAMI	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MIGUEL ANTONIO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA MIGUEL CURY	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MIGUEL DE ALMEIDA BATISTA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MIGUEL FERNANDES	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA MIGUEL FORTE	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA MIGUEL HELOU	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA MILTON BAENA FERNANDES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MILTON FRAGA MOREIRA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA MILTON MARGARIDO PEDROSO	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA MILTON MARTINS POITENA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MILTON RODRIGUES	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA MINAS GERAIS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MINERVA JULIA WUQUIM	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA MINISTRO DILSON DOMINGOS FUNARO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MIRASOL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MOACIR DE OLIVEIRA PONTES	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MOCCA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA MODESTO FERREIRO ALVAREZ	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA MOEMA	TUPY	Local	V4	P4	LEVE	LEVE
RUA MOGI DAS CRUZES	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MOGI GUASSU	TUPY	Local	V4	P4	LEVE	LEVE
RUA MOÍSES SIMPLICIO DE SOUZA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA MONÇAO	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA MONGAGUA	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MONSENHOR VICENTE ZONI	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA MONTE APRAZIVEL	LOTY	Local	V4	P4	LEVE	LEVE
RUA MONTE AZUL	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MONTEIRO LOBATO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA MONTEVIDEO	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MONTMARTRE	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA MORVAN FIGUEIREDO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA N	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA NAIR MENDES MANICA	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA NÃO OFICIAL	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA NATAL	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA NATALINO GANDRA	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA NAYDE LOCENA BASAN	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA NAZARE	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA NELSON ALVES QUINTAS	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA NELSON CAITANO DA SILVA JUNIOR	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA NELSON MARCOS	TUPY	Local	V4	P4	LEVE	LEVE
RUA NELSON RICOMINI	TUPY	Local	V4	P4	LEVE	LEVE
RUA NELSON RODRIGUES VALENTE	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA NEME SILVEIRA LEONEL	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA NERVAL LEAL	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA NESTOR LEAL	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA NEUSA PIRES DA SILVA	TUPY	Local	V4	P4	LEVE	LEVE
RUA NICOLA MANCUZO FILHO	BELAS ARTES	Local	V4	P4	LEVE	LEVE

RUA NILO AMARAL	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA NITEROI	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA NIVALDO OLIVEIRA	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA NOGUEIRA	TUPY	Local	V4	P4	LEVE	LEVE
RUA NORBERTO FRANCISCO DOS SANTOS	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA NOVA ESPERANÇA (NAO OFICIAL)	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA NOVA YORK	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA NOVE	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA NOVE DE JULHO	CENTRO	Local	V4	P4	LEVE	LEVE
RUA NOVO HORIZONTE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA O	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA O AISEMBERG	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA OCTACILIO DANTAS	SAVOY	Local	V4	P4	LEVE	LEVE
RUA OCTACILIO MARQUES CARREIRA	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA OCTAVIANO SOARES ALBUQUERQUE	CENTRO	Local	V4	P4	LEVE	LEVE
RUA OCTAVIO ALVES RODRIGUES	LOTY	Local	V4	P4	LEVE	LEVE
RUA OCTAVIO CAPPELLINI	TUPY	Local	V4	P4	LEVE	LEVE
RUA ODAIR DE SOUZA SIQUEIRA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ODESIO DE SOUZA SANTOS	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA ODIL VASQUES MARTINEZ	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA ODILA DE CAMARGO MOREIRA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA ODILON XAVIER DA SILVA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA OIAPOC	TUPY	Local	V4	P4	LEVE	LEVE
RUA OLAVO BILAC	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA OLAVO PEZZOTTI	SUARAO	Local	V4	P4	LEVE	LEVE
RUA OLEGARIO MARCIANO MORAES	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA OLGA DA SILVA BARBOSA	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA OLGA LEOCADIO DE SOUZA	TUPY	Local	V4	P4	LEVE	LEVE
RUA OLIMPIA	SATELITE	Local	V4	P4	LEVE	LEVE
RUA OLINDA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA OLINDA MARIA DE MELLO	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA ONOFRE DE MEDEIROS	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA ORELIO DE MORI	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ORLANDO AUGUSTO FERNANDES	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA ORMINDA CARNEIRO DOHNAL	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA OSCAR ANTUNES DE PRADO	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA OSCAR ANTUNES DO PRADO	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA OSCAR PEREIRA DA SILVA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA OSCAR SIMÕES DE CARVALHO	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA OSCARINA CARDOSO BOTELHO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA OSMAR GONÇALVES NINA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA OSVALDO ALVES DE FREITAS	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA OSVALDO GUERNELLI	TUPY	Local	V4	P4	LEVE	LEVE
RUA OSVALDO LOPES	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA OSVALDO SAGGE	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA OTACILIA MARIA CARDOSO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA OURINHOS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA OURO PRETO	LOTY	Local	V4	P4	LEVE	LEVE
RUA OURO VERDE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA OVIDIO TAVARES DE OLIVEIRA	MOSTEIRO	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA P	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PADRE AFONSO MARIA RATISBONE	JARDIM SUARAO (PRAIA)	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA PADRE ARNALDO DANTE	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA PADRE DE CONDE	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA PADRE DITINO DELLA PARTE	JARDIM SUARÃO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PADRE JOÃO BATISTA DE CARVALHO	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PADRE LEOPOLDO BRENTANO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA PADRE LUCIANO RONGE	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PADRE PEDRO BALINT	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PADRE PEDRO VILLA	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA PADRE ROBERTO LANDELL DE MOURA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA PADRE ROBERTO SABOYA	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA PADRE THEODORO RATISBONE	JARDIM SUARAO (INTERIO	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA PAIA MEIRA	JARDIM SUARÃO	Local	V4	P4	LEVE	LEVE
RUA PALMAS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA PANAMÁ	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA PANAMÁ•	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA PAPA JOÃO PAULO II	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA PARÁ	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA PARÁ II	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA PARÁ•	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PARAÍBA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PARAGUAÇÚ	NOVA ITANHAÉM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA PARAGUASSU	TUPY	Local	V4	P4	LEVE	LEVE
RUA PARAÍBA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA PARAIBA I	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA PARAIBA II	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA PARAI	JARDIM SUARÃO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PARANA	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA PARANÁ•	LOTY	Local	V4	P4	LEVE	LEVE
RUA PARANÁ•	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PARANAGUA	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA PARDAL	TUPY	Local	V4	P4	LEVE	LEVE
RUA PARTICULAR DO CLUBE ITAU	TUPY	Local	V4	P4	LEVE	LEVE
RUA PARTICULAR	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA PASCHOAL CARANGE	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA PASSUARE	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA PATATIVA	TUPY	Local	V4	P4	LEVE	LEVE
RUA PATRÍCIA BERNARDI CURY	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA PAULINHA	NOVA ITANHAÉM(INTERIO	Local	V4	P4	LEVE	LEVE
RUA PAULINO AMANCIO RIBEIRO	SAVOY	Local	V4	P4	LEVE	LEVE
RUA PAULO ANTONIO DE OLIVEIRA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PAULO CESAR CHARIF	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA PAULO FERREIRA DOS SANTOS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA PAULO JOSÉ MERINO DE ASSIS	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA PAULO LEANDRO DE LIMA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA PAULO LOUREIRO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA PAULO SELYMES	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA PAULO SÉRGIO DE OLIVEIRA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA PEDRO ALEXANDRINO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA PEDRO AMERICO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA PEDRO ANTONIO RIBEIRO	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA PEDRO DE CASTRO	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PEDRO FONSECA	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA PEDRO GONÇALVES MENDES	VERDE MAR	Local	V4	P4	LEVE	LEVE

RUA PEDRO PEREIRA PAES	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA PEDRO REGUERA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA PEDRO S MAGALHÃES	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PEDRO SILVEIRA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA PERI	TUPY	Local	V4	P4	LEVE	LEVE
RUA PERIMETRAL	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA PERMINIO DE SOUZA	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA PERNAMBUCO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PERROBA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA PERU	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA PERUÃBE	JARDIM SUARÃO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PERUÍBE	CIBRATEL I	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA PESCADORES	JARDIM SUARÃO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PIAUÃ•	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PIEDADE	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA PINDORAMA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PINTARROXO	TUPY	Local	V4	P4	LEVE	LEVE
RUA PINTASSILGO	TUPY	Local	V4	P4	LEVE	LEVE
RUA PINTOR NELSON NOBREGA	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA PIO XII	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PIRACICABA	NOVA ITANHAÃM (INTERIO	Local	V4	P4	LEVE	LEVE
RUA PIRAGUIRA	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA PIRATININGA	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA PLACIDO LOUZADA DIZ	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA PLINIO ANTONIO BRANCO	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA POÁ	TUPY	Local	V4	P4	LEVE	LEVE
RUA POÁ•	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA POETISA COLOMBINA	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA POMPEIA	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA POMPÉIA	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA POMPEU RASGA (ANTIGA ALAMEDA 03)	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA PONTA GROSSA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA POROROCÀ	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA PORTIRA	NOVA ITANHAÃM (SUPERI	Local	V4	P4	LEVE	LEVE
RUA PORTO ALEGRE	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PORTO VELHO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA PORTUGAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA POTIGUAÇU	SUARAO	Local	V4	P4	LEVE	LEVE
RUA POTOS	SÃO FERNANDO(CHACARA	Local	V4	P4	LEVE	LEVE
RUA PREFEITA SPASIA BECHELLI CECCHI	LOTY	Local	V4	P4	LEVE	LEVE
RUA PREFEITO SEZESFREDO AMORIM CORTEZ	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA PRESIDENTE CAFÉ FILHO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA PRESTES MAIA	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA PROF AUGUSTO RIBEIRO DE CARVALHO	NOVA ITANHAÃM(PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PROF DINORAH CRUZ	CENTRO	Local	V4	P4	LEVE	LEVE
RUA PROF LUIZ CARLOS DE SOUZA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA PROF. ATTILIO FONSECA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA PROF. NILSON GOMES RODRIGUES	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA PROF. WALTER ARDUINI	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA PROFº ALICE TEIXEIRA DE CARVALHO SARAIVA	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA PROFº DALVA DATI RUIVO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA PROFº. ROSELIA BRAGA XAVIER	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PROFª LEONOR YARA SOARES DA SILVA	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA PROFESSOR LOUREIRO JUNIOR	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA PROFESSOR HERALDO BARBUY	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA PROFETA JOSEPH SMITH	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA PROJETADA 03	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PROJETADA 04	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA PROJETADA 2	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA PROJETADA 2 (NÃO OFICIAL)	JARDIM OÃSIS	Local	V4	P4	LEVE	LEVE
RUA PROJETADA E	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA PRUDENTE DE MORAES	MOSTEIRO	Local	V4	P4	LEVE	LEVE
RUA Q	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA QUARTA	JARDIM LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA QUATRO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA QUINZE	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA R	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA RADAMÉS INCONTRI FILHO	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA RADIAL	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA RAFAEL COIMBRA NETO	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA RAFAEL GONZALES	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA RAFAELA MARTINS DELGADO	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA RAIMUNDA GOMES DA SILVA	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA RAIMUNDO JOSE DE MOURA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA RAMAL DOS MORRINHOS	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA RANCHO ALEGRE	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA RANIERI MAZILLI	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA RAPHAEL XELLA	NOVA ITANHAÃM (INTERIO	Local	V4	P4	LEVE	LEVE
RUA RAUL PINTO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA RAUL SEIXAS	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA RAYMUNDO BAPTISTA DE ANDRADE	CIBRATEL I	Local	V4	P4	LEVE	LEVE
RUA RECIFE	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA RENATO RAMOS TEIXEIRA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA RENE DE CASTRO THIOLIER	CENTRO	Local	V4	P4	LEVE	LEVE
RUA RICARDO LACERDA JARDIM	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA RIO BRANCO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA RIO DE JANEIRO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA RIO GRANDE DO NORTE	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA RIO GRANDE DO SUL	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA RIO PRETO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA RITA PRADO DA SILVA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA ROBERTO AYRES DE OLIVEIRA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA ROBERTO LOUREIRO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA ROBERTO MOCERINO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ROBERTO POMPEU	CIDADE ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA RODOLFO AMODEO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA RODOLPHO CACHELLO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA RODRIGUES ALVES	MOSTEIRO	Local	V4	P4	LEVE	LEVE
RUA ROCU FERREIRA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ROQUE ARRIVABENE	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ROQUE LOMBARDI	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA ROSA MARIA DE OLIVEIRA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA ROSÁLIA ALVES MICHEL	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ROSALIA FERRARO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA ROSALVO JOSE ALVES	TUPY	Local	V4	P4	LEVE	LEVE

RUA ROSANA APARECIDA MARQUES CARREIRA	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA ROSENE DOS PASSOS JR	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA RUA EDIDALTO LUIZ NASCIMENTO	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA RUBENS ELIAS ANOROSO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA RUBI	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA RUY PIN FORNIER	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA S	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA SACI	TUPY	Local	V4	P4	LEVE	LEVE
RUA SAGRADA FAMILIA	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA SALAH FOUD	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA SALOMÃO ASSUNÇÃO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA SALVADOR	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SALVADOR DE PASCHOAL	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA SALVADOR PRESTES	CENTRO	Local	V4	P4	LEVE	LEVE
RUA SALVINO DE SOUZA BARRETO	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA SAMAMBAIA	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA SANTA ANA DE JESUS	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA SANTA CATARINA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SANTA CECILIA	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SANTA CLARA	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA SANTA CRUZ	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA SANTA ISABEL	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SANTA RITA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA SANTA TEREZINHA	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA SANTINO JOSÉ DE OLIVEIRA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA SANTO AGOSTINHO	JARDIM SUARÃO(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SANTO AMARO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SANTO ANATACIO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SANTO ANDRÉ	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA SANTO ANTONIO	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA SANTO INÁCIO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SANTO INÁCIO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA SANTO IVO	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA SANTOS	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA SANTOS DUMOND	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA SÃO BERNARDO	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA SÃO CAETANO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SÃO CARLOS	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SÃO DOMINGOS	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA SÃO FRANCISCO	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SÃO FRANCISCO DE ASSIS	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA SÃO GERALDO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SÃO JOAO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA SÃO JOÃO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SÃO JOAQUIM	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA SÃO JOSÉ	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA SÃO JUDAS TADEU	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA SÃO LUIZ	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SÃO LUIZ DO MARANHÃO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA SÃO MIGUEL	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SÃO PAULO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA SÃO PEDRO	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SÃO PEDRO E SÃO PAULO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA SÃO ROQUE	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA SÃO SEBASTIÃO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA SÃO SIMAO	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SÃO THIAGO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SÃO VICENTE	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SAPOPEMBA	SÃO FERNANDO(CHACARAS)	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA SARGENTO ANTONIO DE PADUA GERALDO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SASSAFRAZ	SÃO FERNANDO(CHACARAS)	Local	V4	P4	LEVE	LEVE
RUA SATO MATSUBA SAITO	JARDIM ANCHIETA	Local	V4	P4	LEVE	LEVE
RUA SCHEILA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SEBASTIÃO AMANCIO RIBEIRO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SEBASTIÃO DAS DORES	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA SEBASTIÃO MOREIRA LIMA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA SEBASTIÃO PAULO DE AGUIAR	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA SEBASTIÃO SALVINO BARRETO	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
RUA SEM DENOMINACAO OFICIAL	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SEM DENOMINACAO OFICIAL	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SEM DENOMINAÇÃO OFICIAL	JARDIM SUARAO(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SENADOR NILO COELHO	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SENADOR TEOTONIO VILELLA	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SEO WALTER MARTINS	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA SERAPIÃO LOPES DE LIMA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA SERGIO SIMÕES NEVES	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA SERGIPÉ	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SERINGUEIRA	SÃO FERNANDO(CHACARAS)	Local	V4	P4	LEVE	LEVE
RUA SEVERINO FIRMINO DA SILVA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA SHINIJI MURATA	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA SHIRLEY LOUREIRO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA SILVIA	LOTY	Local	V4	P4	LEVE	LEVE
RUA SILVIA MARIA DOS PASSOS	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA SILVILINO MACHADO	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA SILVINO BENTO DOS SANTOS	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA SILVINO FERREIRA NUNES	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA SILVIO FIGUEIREDO	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE
RUA SILVIO QUEIROZ DA SILVA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA SINIVAL CAVIQUOI	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA SINHO MONTEIRO	LOTY	Local	V4	P4	LEVE	LEVE
RUA SINVALDO SOUZA AMARAL	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA SOLEMAR	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA SONIA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SOROCABA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SOROCABANA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA SOROCABANA OU SOROCABA	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA STANISLAU WITKOWSKI JUNIOR	SATELITE	Local	V4	P4	LEVE	LEVE
RUA SUARÃO	SUARAO	Local	V4	P4	LEVE	LEVE
RUA SUECIA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA SUICA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA SUZANA	LOTY	Local	V4	P4	LEVE	LEVE
RUA SUZANO	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA T	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA TABAJARAS	TUPY	Local	V4	P4	LEVE	LEVE
RUA TABATINGUERA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE

RUA TAIPÓCA	TUPY	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA TAMOYO	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA TANGARÁ	TUPY	Local	V4	P4	LEVE	LEVE
RUA TAPAJOS	TUPY	Local	V4	P4	LEVE	LEVE
RUA TAPIOCANGA	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA TAPIJAS	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA TARCISIO MATIAS DE OLIVEIRA FILHO	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA TATUÍ	CAMPOS ELISIOS	Local	V4	P4	LEVE	LEVE
RUA TAUBATÉ	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA TAYAÇUPEBA	SUARAO	Local	V4	P4	LEVE	LEVE
RUA TELEMÓ DIZ	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA TENENTE ARTUR ROSA RAMOS	NOVA ITANHAÉM (INTERIO	Local	V4	P4	LEVE	LEVE
RUA TENENTE JURACY COLELLA	AGUAPEÚ	Local	V4	P4	LEVE	LEVE
RUA TERCEIRA	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA TERESINA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA TERESINHA AUGUSTA GAROFALO	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA TERESA ARIAS GARDON LORENZO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA TERESA DA SILVA BARBOSA	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA TERESA OTENCIA GONZALES	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA TEXAS	JARDIM SUARAO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA THAIS	LOTY	Local	V4	P4	LEVE	LEVE
RUA THELMA	MARROCOS	Local	V4	P4	LEVE	LEVE
RUA THEODOMIRO MANOEL DOS SANTOS	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA TIBIRICA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA TIMOTEO GARCIA LAMAS	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA TIRADENTES	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA TOPAZIO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA TRANSVERSAL 16	NOVA ITANHAÉM(INTERIO	Local	V4	P4	LEVE	LEVE
RUA TRANSVERSAL 17	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA TRANSVERSAL 18	NOVA ITANHAÉM(INTERIO	Local	V4	P4	LEVE	LEVE
RUA TRAVESSA	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA TRENTO	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA TRES	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA TREZE DE MAIO	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA TRINIDAD	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA TUCUM	TUPY	Local	V4	P4	LEVE	LEVE
RUA TUCUMAN	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA TUIM	TUPY	Local	V4	P4	LEVE	LEVE
RUA TUJUTI	CIBRATEL CHÂCARAS	Local	V4	P4	LEVE	LEVE
RUA TUPÁ	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA TUPINAMBA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA TUPINAMBAS	TUPY	Local	V4	P4	LEVE	LEVE
RUA TUPINQUINS	TUPY	Local	V4	P4	LEVE	LEVE
RUA TURQUIA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA U	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA UBA	TUPY	Local	V4	P4	LEVE	LEVE
RUA UBIRAJARA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ULISSES PEREIRA DOS SANTOS	GUAPURA	Local	V4	P4	LEVE	LEVE
RUA UMUARAMA	TUPY	Local	V4	P4	LEVE	LEVE
RUA ÚNIO ASTRATH	GUAPIRANGA	Local	V4	P4	LEVE	LEVE
RUA URCELINA MARIA DOS PASSOS	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA URCEZINO FERREIRA	BAIXIO	Local	V4	P4	LEVE	LEVE
RUA URUCUNANA	SÃO FERNANDO(CHACAR	Local	V4	P4	LEVE	LEVE
RUA URUGUAI	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA URUPES	TUPY	Local	V4	P4	LEVE	LEVE
RUA V	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA V 22	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V 23	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V 24	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V 25	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V 26	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V 27	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V 28	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V1	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA V10	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA V11	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA V12	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V13	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V14	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V15	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V16	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V17	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V18	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V19	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V2	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA V20	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V21	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V3	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA V4	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA V5	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V6	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA V7	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA V8	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA V9	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA VALEMDIR BILLER BRANDÃO	VILA SÃO PAULO	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA VALDERIR LEÃO VIDAL	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA VALDOMIRO DO ESPIRITO SANTO DE ALMEIDA	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA VALDOMIRO PEDRO LUZ	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
RUA VALENTIN CORREDORA PORTO	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA VALINHOS	NOVA ITANHAÉM(INTERIO	Local	V4	P4	LEVE	LEVE
RUA VENANCIO DE LIMA	AGUAPEÚ	Local	V4	P4	LEVE	LEVE
RUA VENERAVEL PAULO ROBERTO LOPES	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA VENEZUELA	CIBRATEL II	ARTERIAL	V2	P2	INTENSO	INTENSO
RUA VENTURA PEREIRA DA COSTA	SÃO FERNANDO(CHACAR	Local	V4	P4	LEVE	LEVE
RUA VERA CRUZ	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA VERDE MAR	JARDIM SUARÃO (INTERIO	Local	V4	P4	LEVE	LEVE
RUA VEREADOR AUGUSTO PEREIRA ARAUJO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA VEREADOR ALACYR FERREIRA COSTA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA VEREADOR ANGELINO DE BORTOLI	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA VEREADOR ANTONIO ATAULO	SAVOY	Local	V4	P4	LEVE	LEVE
RUA VEREADOR APOLLO RODRIGUES JUNIOR	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA VEREADOR CASIMIRO GUIMARÃES JUNIOR	CAMPOS ELISEOS	Local	V4	P4	LEVE	LEVE
RUA VEREADOR EDSON BELLO	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA VEREADOR EDUARDO GOMES DA ROCHA	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA VEREADOR ERNESTINO ALVES MASCARENHAS	NOSSA SENHORA SION	Local	V4	P4	LEVE	LEVE

RUA VEREADOR JOÃO BECHIR	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA VEREADOR JOÃO DE ALMEIDA BAPTISTA	SAVOY	Local	V4	P4	LEVE	LEVE
RUA VEREADOR JOSÉ CALVO	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA VEREADOR JOSÉ ROBERTO CALVO	VILA SÃO PAULO	Local	V4	P4	LEVE	LEVE
RUA VEREADOR JOSE SANTINO DE SOUZA	TROPICAL	Local	V4	P4	LEVE	LEVE
RUA VEREADOR JOVIANO SALLES	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA VEREADOR MARCELO DOS SANTOS	GUARDA CIVIL	Local	V4	P4	LEVE	LEVE
RUA VEREADOR ROBERTO APELIAN	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA VEREADOR ROBERTO BERNARDI	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA VEREADOR SILVIO OLIVAN NETO	CIBRATEL II	Local	V4	P4	LEVE	LEVE
RUA VEREADOR TIBOR GEZA HARY	TUPY	Local	V4	P4	LEVE	LEVE
RUA VICENTE MARCOS	TUPY	Local	V4	P4	LEVE	LEVE
RUA VICENTE NUNES DOS SANTOS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA VICENTE RIBEIRO DA SILVA	JARDIM IVOTY	Local	V4	P4	LEVE	LEVE
RUA VICTOR MEIRELLES	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA VIOLA	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA VINTE DE JANEIRO	JARDIM SUARÃO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA VINTE E QUATRO DE MAIO	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA VIRGILIO CASELLA	TUPY	Local	V4	P4	LEVE	LEVE
RUA VITAL FERREIRA	CORUMBA	Local	V4	P4	LEVE	LEVE
RUA VITÓRIA	GAIVOTA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA VITÓRIA(NAO OFICIAL)	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
RUA W	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA WAGNER BONFIM	AGUAPEU	Local	V4	P4	LEVE	LEVE
RUA WAGNER PEREIRA DA SILVA	TUPY	Local	V4	P4	LEVE	LEVE
RUA WALDEMAR AUGUSTO MARTINS	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA WALDEMAR AUGUSTO SERRA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA WALDEMAR CASTILHO	UMUARAMA	Local	V4	P4	LEVE	LEVE
RUA WALDEMAR FELICIO	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE
RUA WALDEMAR MAGALHÃES	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA WALDEMAR SILVEIRA	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA WALDIR GOTTSFRITZ	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA WALLACE ARTHUR SKERRAT	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA WANDERLY DA CRUZ ABBASI	VERDE MAR	Local	V4	P4	LEVE	LEVE
RUA WASHINGTON	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA WASHINGTON LUIS	JARDIM CORONEL	Local	V4	P4	LEVE	LEVE
RUA WILSON APELIAN	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA WILSON DE MORAES	SATELITE	Local	V4	P4	LEVE	LEVE
RUA WILTON PAES DE ALMEIDA	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
RUA WISCONSIN	JARDIM SUARAO (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA WYLSON FLÁVIO CHIEREGUINI	TUPY	Local	V4	P4	LEVE	LEVE
RUA X	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
RUA XERENTES	TUPY	Local	V4	P4	LEVE	LEVE
RUA XINGU	TUPY	Local	V4	P4	LEVE	LEVE
RUA YARA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA YBERABA	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
RUA YMA	SABAUNA	Local	V4	P4	LEVE	LEVE
RUA YPE	BOPIRANGA	Local	V4	P4	LEVE	LEVE
RUA Z	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
RUA ZARAGOZA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ZEFERINO DA COSTA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
RUA ZEFERINO SOARES	CENTRO	Local	V4	P4	LEVE	LEVE
RUA ZENAIDE MEIRA MAYR	JAMAICA (PRAIA)	Local	V4	P4	LEVE	LEVE
SERV. PASSAGEM PAMPULHA	COND. RESIDENCIAL AERO	Local	V4	P4	LEVE	LEVE
SERV. PASSAGEM PASSAGEM CUMBICA	COND. RESIDENCIAL AERO	Local	V4	P4	LEVE	LEVE
SERV. PASSAGEM PASSAGEM SANTOS DUMONT	COND. RESIDENCIAL AERO	Local	V4	P4	LEVE	LEVE
TRAVESSA 1	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
TRAVESSA 2	JAMAICA (INTERIOR)	Local	V4	P4	LEVE	LEVE
TRAVESSA 3	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
TRAVESSA 4	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
TRAVESSA 5	CORUMBA	Local	V4	P4	LEVE	LEVE
TRAVESSA ALBERTO DUARTE FERREIRA	CENTRO	Local	V4	P4	LEVE	LEVE
TRAVESSA ALFREDO ALMEIDA FRIAS	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
TRAVESSA AMÉLIA LOPES DE OLIVEIRA FURTADO	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
TRAVESSA AMELIA RIBEIRO NICOLINI	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
TRAVESSA AMERICA	BOPIRANGA	Local	V4	P4	LEVE	LEVE
TRAVESSA ARACY	SUARAO	Local	V4	P4	LEVE	LEVE
TRAVESSA ARARANGABA	SUARÃO	Local	V4	P4	LEVE	LEVE
TRAVESSA BELMIRO DE ALMEIDA	CORUMBA	Local	V4	P4	LEVE	LEVE
TRAVESSA BENEDITO RIBEIRO DE CARVALHO	NOVA ITANHAEM (SUPERIOR)	Local	V4	P4	LEVE	LEVE
TRAVESSA CAJURU	SUARÃO	Local	V4	P4	LEVE	LEVE
TRAVESSA CAPITÃO AVILA	SATELITE	Local	V4	P4	LEVE	LEVE
TRAVESSA CEARÁ •	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
TRAVESSA CLEUZA MORATO PEREIRA	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
TRAVESSA DA RUA HILDETE CARNEIRO DA CUNHA	SABAUNA	Local	V4	P4	LEVE	LEVE
TRAVESSA DA RUA SANTA ANA DE JESUS	SABAUNA	Local	V4	P4	LEVE	LEVE
TRAVESSA DAVID BIRKETT	GAIVOTA(INTERIOR)	Local	V4	P4	LEVE	LEVE
TRAVESSA DONA ALBERTINA	CENTRO	Local	V4	P4	LEVE	LEVE
TRAVESSA ITAPEMA	SUARÃO	Local	V4	P4	LEVE	LEVE
TRAVESSA ITAPEVA	SUARÃO	Local	V4	P4	LEVE	LEVE
TRAVESSA ITAPURA	SUARAO	Local	V4	P4	LEVE	LEVE
TRAVESSA ITUPEVA	SUARÃO	Local	V4	P4	LEVE	LEVE
TRAVESSA JOAQUIM RASGA	JARDIM OASIS	Local	V4	P4	LEVE	LEVE
TRAVESSA JORGE DEVAI	PRAIA DOS SONHOS	Local	V4	P4	LEVE	LEVE
TRAVESSA LUIZ OMURO	SATELITE	Local	V4	P4	LEVE	LEVE
TRAVESSA MATHILDE BISTANI SABONGI	JARDIM SUARAO (PRAIA)	Local	V4	P4	LEVE	LEVE
TRAVESSA MIGUEL DE PONTES CAMARGO	SATELITE	Local	V4	P4	LEVE	LEVE
TRAVESSA NELSON RAINHO	SATELITE	Local	V4	P4	LEVE	LEVE
TRAVESSA R	LARANJEIRAS	Local	V4	P4	LEVE	LEVE
TRAVESSA SANTA LUZIA	CENTRO	Local	V4	P4	LEVE	LEVE
TRAVESSA SOTERO CAIO DE SOUZA	SUARAO	Local	V4	P4	LEVE	LEVE
TRAVESSA TAYACUPEBA	SUARÃO	Local	V4	P4	LEVE	LEVE
TRAVESSA TIETE	SUARÃO	Local	V4	P4	LEVE	LEVE
TRAVESSA TRAVESSA VITÓRIA(NAO OFICIAL)	SÃO FERNANDO(CHACARA)	Local	V4	P4	LEVE	LEVE
VIA ANCHIETA	MARROCOS	Local	V4	P4	LEVE	LEVE
VIELA 1	SABAUNA	Local	V4	P4	LEVE	LEVE
VIELA 2	SABAUNA	Local	V4	P4	LEVE	LEVE
VIELA 3	SABAUNA	Local	V4	P4	LEVE	LEVE
VIELA 4	SABAUNA	Local	V4	P4	LEVE	LEVE
VIELA JOÃO RAMOS	CORUMBA	Local	V4	P4	LEVE	LEVE
VIELA PASSAGEM	Jardim Suarão (interior)	Local	V4	P4	LEVE	LEVE
VIELA PASSAGEM PEDESTRE	VERDE MAR	Local	V4	P4	LEVE	LEVE
VIELA SANITÁRIA	BELAS ARTES	Local	V4	P4	LEVE	LEVE
VIELA SEM DENOMINAÇÃO	SUARÃO	Local	V4	P4	LEVE	LEVE
VIELA UM (SEM DENOMINAÇÃO OFICIAL)	CIBRATEL CHACARAS	Local	V4	P4	LEVE	LEVE

VIELA VIELA	COND. RESIDENCIAL AEROPORTO	Local	V4	P4	LEVE	LEVE
VIELA VIELA 06	CORUMBA •	Local	V4	P4	LEVE	LEVE
VIELA VIELA 1	CORUMBA	Local	V4	P4	LEVE	LEVE
VIELA VIELA 10	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA 11	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA 12	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA 13	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA 14	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA 2	CORUMBA	Local	V4	P4	LEVE	LEVE
VIELA VIELA 3	CORUMBA	Local	V4	P4	LEVE	LEVE
VIELA VIELA 4	CORUMBA	Local	V4	P4	LEVE	LEVE
VIELA VIELA 5	CORUMBA	Local	V4	P4	LEVE	LEVE
VIELA VIELA 6	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA 7	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA 8	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA 9	ZONA RURAL	Local	V4	P4	LEVE	LEVE
VIELA VIELA SANITARIA	NOSSA SENHORA DO SION	Local	V4	P4	LEVE	LEVE
VIELA VIELA2	ZONA RURAL	Local	V4	P4	LEVE	LEVE

ANEXO 6 – UNIDADES DE CONSUMO DE IP

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UC	Endereço	Complemento
36151688	AV JOSE BATISTA CAMPOS, 505 - PROX MED B128247	PROX MED B128247
39258017	AV PRES VARGAS, 1470 - ILUMINACAO ORNAMENTAL	ILUMINACAO ORNAMENTAL
30779766	AV MARG ROD GAIVOTA, 11855 - ILUMINACAO PUBLICA ACESSO VIADUTO GAIVOTA	ILUMINACAO PUBLICA ACESSO VIADUTO GAIVOTA
33220026	AV BENEDITO RIBEIRO, 2235 - PRACA - 2 JD AGUAPEU	PRACA - 2 JD AGUAPEU
33219982	R MANOEL LOUZADA, 2401 - PRACA - I - JD AGUAPEU	PRACA - I - JD AGUAPEU
34906371	AV DR EDSON BAPTISTA DE ANDRADE, 0 - ILUMINACAO EM FREnte AO MED B10281014	ILUMINACAO EM FREnte AO MED B10281014
38433117	AV PROF VICENTE C LIMA, 2135 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38277085	AV GOV MARIO COVAS JR, 515 - CIBRATEL PROX AO MEDIDOR 3T4096134	CIBRATEL PROX AO MEDIDOR 3T4096134
32789343	R MARABA - JD CIBRATEL II, 125 - PRACA PUBLICA	PRACA PUBLICA
37296256	AV GOV MARIO COVAS JR, 0 - PRACA HERMINIA CAPELLINI	PRACA HERMINIA CAPELLINI
17132339	AV GOV MARIO COVAS JR, 2543 - ILUMINACAO PRAIA	ILUMINACAO PRAIA
34813500	AV DR EDSON BAPTISTA DE ANDRADE, 15 - ILUMINACAO PRACA	ILUMINACAO PRACA
38428075	AV PE AFONSO MARIA RATISBONE, 3655 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38428547	AV PE AFONSO MARIA RATISBONE, 4140 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
42507766	AV BEIRA MAR, 2542 - R. DAVID LONGO X WALTER MIRANDA	R. DAVID LONGO X WALTER MIRANDA
33227276	AV DR JOSE PEIXE ABADE, 2764 - ILUMINACAO DE PRAIA	ILUMINACAO DE PRAIA
40942406	AV DR JOSE PEIXE ABADE, 3722 - IP - ORLA PRAIA-BRO ITAPEL	IP - ORLA PRAIA-BRO ITAPEL
38284855	PCA VER ARNALDO FERAZO, 3163 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
42947405	AV DR JOSE PEIXE ABADE, 0 - ILUMINACAO (EM FREnte AO N° 3909)	ILUMINACAO (EM FREnte AO N° 3909)
38428407	AV PE AFONSO MARIA RATISBONE, 4280 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
42947570	AV DR JOSE PEIXE ABADE, 4290 - ILUMINACAO (EM FREnte DO N° 4280)	ILUMINACAO (EM FREnte DO N° 4280)
42947634	AV DR JOSE PEIXE ABADE, 4304 - ILUMINACAO (EM FREnte DO N°	ILUMINACAO (EM FREnte DO N°
34321462	AV DR JOSE PEIXE ABADE, 4966 - ILUMINACAO	ILUMINACAO
38533910	AV PE AFONSO MARIA RATISBONE, 4446 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38533952	AV PE AFONSO MARIA RATISBONE, 4470 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38284995	PCA VER ARNALDO FERAZO, 3119 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
32748973	R RADAMES INCONTRI FILHO, 45 - PRACA	PRACA
38534002	AV PE AFONSO MARIA RATISBONE, 4580 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
17132320	AV GOV MARIO COVAS JR, 6070 - ILUMINACAO PUBLICA - HOLOFOTE SUARAO	ILUMINACAO PUBLICA - HOLOFOTE SUARAO
37398091	PCA NOSSA SENHORA DO SION, 0 - ILUMINACAO DA PRACA	ILUMINACAO DA PRACA
42379270	PCA NOSSA SENHORA DO SION, 1 - PCA DO SUARAO - SEC. DE TURISMO	PCA DO SUARAO - SEC. DE TURISMO
37676270	R PE TEODORO RASTIBONE, 0 - ILUMINACAO DO TREVO	ILUMINACAO DO TREVO
44253192	AV DR JOSE PEIXE ABADE, 0 - ORLA DA PRAIA SUARAO	ORLA DA PRAIA SUARAO
38428318	AV PE AFONSO MARIA RATISBONE, 3855 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38430711	R PE TEODORO RASTIBONE, 487 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38431386	R PE TEODORO RASTIBONE, 4666 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
32070128	AV MARGINAL RODOVIA, 4135 - PASSARELA LADO MORRO	PASSARELA LADO MORRO
38431530	R PE TEODORO RASTIBONE, 4119 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38431467	R PE TEODORO RASTIBONE, 4118 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38428652	AV PE AFONSO MARIA RATISBONE, 6062 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38428946	AV MARGINAL RODOVIA, 7341 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
32070071	AV MARGINAL RODOVIA, 6560 - PASSARELA LADO PRAIA	PASSARELA LADO PRAIA
38534061	AV PE AFONSO MARIA RATISBONE, 5822 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38426552	R OVIDIO TAVARES OLIVEIRA, 201 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
35716940	AV GOV MARIO COVAS JR, 9370 - FREnte DO MED B12921452	FREnte DO MED B12921452
41576101	AV BEIRA MAR, 2716 - I.P. RUA DAVID LONGO X AV. WALTER M.	I.P. RUA DAVID LONGO X AV. WALTER M.
17131715	PCA 22 DE ABRIL, 5 - PRACA	PRACA
17131294	PCA NARCISO DE ANDRADE, 6 - ILUMINACAO PUBLICA - PAINEL	ILUMINACAO PUBLICA - PAINEL
17131367	PCA BENEDITO CALIXTO, 1 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
17131812	R SEBASTIAO DAS DORES, 0 - ILUMINACAO MORRO SAPUCAITAVA PMI	ILUMINACAO MORRO SAPUCAITAVA PMI
17132061	AV GOV MARIO COVAS JR, 5800 - ILUMINACAO PUBLICA - HOLOFOTE JD SUARAO	ILUMINACAO PUBLICA - HOLOFOTE JD SUARAO
17131782	IP ILUMINACAO PUBLICA, 0 - RUAS E AVENIDAS	RUAS E AVENIDAS
17131685	PCA CARLOS BOTELHO, 1 - ILUMINACAO PUBLICA DE PRACA	ILUMINACAO PUBLICA DE PRACA
38430550	AV MARGINAL RODOVIA, 6009 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38429225	AV MARGINAL RODOVIA, 7099 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
37627546	R OSCAR AISEMBERG, 7095 - PRACA RENATO ALID VIEIRA RUIVO	PRACA RENATO ALID VIEIRA RUIVO
37287290	AV CABUCU, 0 - PRACA	PRACA
17132070	AV GOV MARIO COVAS JR, 2479 - HOLOFOTE JD FRANKEL	HOLOFOTE JD FRANKEL
37320866	RDV PE MANOEL DA NOBREGA, 0 - SP 55- KM 327+600M	SP 55- KM 327+600M
38277115	AV GOV MARIO COVAS JR, 1035 - CIBRATEL PROX AO MEDIDOR B08196099	CIBRATEL PROX AO MEDIDOR B08196099
38277077	AV GOV MARIO COVAS JR, 115 - CIBRATEL - PROX AO MEDIDOR 3T2934558	CIBRATEL - PROX AO MEDIDOR 3T2934558
38940388	AV PRES VARGAS, 780 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38940361	AV PRES VARGAS, 696 - ILUMINACAO	ILUMINACAO
39078493	AV PRES VARGAS, 0 - EM FREnte AO QUIOSQUE ZAQUEU	EM FREnte AO QUIOSQUE ZAQUEU
34753877	PCA BENEDITO CALIXTO, 55 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
39205517	AV PRES VARGAS, 0 - ORMANENTACAO DA CICLOVIA	ORMANENTACAO DA CICLOVIA
38432960	AV ALBERTO SIMOES, 667 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA

38278243	R AFONSO MEIRA JR, 101 - PROX AO MED B08440038	PROX AO MED B08440038
39900886	R CUNHA MOREIRA, 0 - PRACA NILO SOARES FERREIRA	PRACA NILO SOARES FERREIRA
31668127	PCA CARLOS BOTELHO, 70 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
30571863	PCA NARCISO DE ANDRADE, 14 - PRACA	PRACA
32579349	PCA NARCISO DE ANDRADE, 115 - CORETO	CORETO
38284910	R MANOEL RODRIGUES POITENA, 22	
38427028	R OVIDIO TAVARES OLIVEIRA, 705 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38427834	R VALDEMIR BILLER BRANDAO, 955 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38432838	AV ALBERTO SIMOES, 1065 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38426676	R OVIDIO TAVARES OLIVEIRA, 555 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38284782	R MANOEL RODRIGUES POITENA, 245	
38285150	R JOSE MENDES DE ARAUJO, 46 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38426838	AV MARGINAL RODOVIA, 8900 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38427842	AV MARGINAL RODOVIA, 8001 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38771772	EST CEL JOAQUIM BRANCO, 932 - I.P - PROX MED 3T3509095	I.P - PROX MED 3T3509095
38429217	AV MARGINAL RODOVIA, 8461 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38429110	AV MARGINAL RODOVIA, 8327 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
28863739	AV SUARAO, 1 - PRACA MUNICIPAL	PRACA MUNICIPAL
32931964	AV PE ANCHIETA, 250 - ILUMINACAO DE PRAIA	ILUMINACAO DE PRAIA
38278197	R OSCAR PEREIRA DA SILVA, 127 - CIBRATEL PROX AO MED B09155833	CIBRATEL PROX AO MED B09155833
38428695	AV MARGINAL RODOVIA, 6561 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38428881	AV MARGINAL RODOVIA, 6631 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38429004	AV MARGINAL RODOVIA, 7341 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38278200	R ASSEMBLEIA DE DEUS, 276 - CHAC DAS TAMARAS PROX MED B09854065	CHAC DAS TAMARAS PROX MED B09854065
41027248	PCA KARDEC RANGEL VELOSO, 85 - REURBAIZACAO DA PCA	REURBAIZACAO DA PCA
33694613	AV ALMEIDA JUNIOR, 540 - ILUMINACAO DA PRACA	ILUMINACAO DA PRACA
38285126	R TEREZA DA SILVA BARBOSA, 122	
38284960	R VICENTE RIBEIRO DA SILVA, 148	
17131928	PCA ANGELO GUERRA, 0 - ILUMINACAO DA PRACA	ILUMINACAO DA PRACA
36230286	R VICTOR MEIRELES, 338 - PRACA DE TRENZINHO - PONTO FINAL	PRACA DE TREZNINHO - PONTO FINAL
33057125	AL EMIDIO DE SOUZA, 96 - ILUMINACAO - PROX 150	ILUMINACAO - PROX 150
33057168	AL EMIDIO DE SOUZA, 200 - ILUMINACAO - PROX 76	ILUMINACAO - PROX 76
34221506	R JOSEFINA BERTOLANI, 365 - ILUMINACAO DE PRACA	ILUMINACAO DE PRACA
32526687	AV VICENTE DE CARVALHO, 561 - ILUMINACAO - PRAIA DO SONHO	ILUMINACAO - PRAIA DO SONHO
41515382	AV VICENTE DE CARVALHO, 445 - EM FRENTA AO 448 - ILUMINACAO PUBLICA	EM FRENTA AO 448 - ILUMINACAO PUBLICA
32526644	AV VICENTE DE CARVALHO, 411 - ILUMINACAO - PRAIA DO SONHO	ILUMINACAO - PRAIA DO SONHO
30169356	AV PE ANCHIETA, 200 - ILUMINACAO PUBLICA - REFLETORES	ILUMINACAO PUBLICA - REFLETORES
30169275	AV PE ANCHIETA, 90 - ILUMINACAO PUBLICA - REFLETORES	ILUMINACAO PUBLICA - REFLETORES
37951653	AV PE ANCHIETA, 75 - PRACA DOS PESCADORES	PRACA DOS PESCADORES
32698933	R JOAO FARAH, 10 - PRACA DE PESCAO	PRACA DE PESCAO
32698992	R JOAO FARAH, 10 - PRACA DO PESCAO	PRACA DO PESCAO
32526628	AV VICENTE DE CARVALHO, 275 - ILUMINACAO - PRAIA DO SONHO	ILUMINACAO - PRAIA DO SONHO
32526598	AV VICENTE DE CARVALHO, 195 - ILUMINACAO - PRAIA DO SONHO	ILUMINACAO - PRAIA DO SONHO
32526571	AV VICENTE DE CARVALHO, 125 - ILUMINACAO - PRAIA DO SONHO	ILUMINACAO - PRAIA DO SONHO
41515455	AV VICENTE DE CARVALHO, 615 - FRENTA AO ED. LA BARRE - ILUM. PUBLICA	FRENTA AO ED. LA BARRE - ILUM. PUBLICA
32526709	AV VICENTE DE CARVALHO, 725 - ILUMINACAO - PRAIA DO SONHO	ILUMINACAO - PRAIA DO SONHO
41515579	AV VICENTE DE CARVALHO, 719 - EM FRENTA AO N 720 - EDIFICIO QUEBRA MAR	EM FRENTA AO N 720 - EDIFICIO QUEBRA MAR
33087296	AV PRES KENNEDY, 81 - ILUMINACAO - PROX 125	ILUMINACAO - PROX 125
33740569	R PAULO LEANDRO DE LIMA, 345 - QUIOSQUE	QUIOSQUE
35888415	R NELSON ALVES QUINTAS, 318	
31902103	R EDMUNDO GOMES ESTRIGA, 20 - PRACA - DA BIBLIA	PRACA - DA BIBLIA
34144161	AV PAULO JOSE DE MORAES, 1801 - ILUMINACAO DO TREVO	ILUMINACAO DO TREVO
38278308	R OSCAR SIMOES DE CARVALHO, 89 - PROX AO MEDIDOR B13666200	PROX AO MEDIDOR B13666200
38436884	AV ARY CARNEIRO DE SARAIVA, 1742 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
33232245	AV PRES VARGAS, 2020 - PRACA	PRACA
43399207	AV DR JOSE PEIXE ABADE, 2387 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38285185	R ROBERTO POMPEU, 29 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
32585314	R GINO ARDUINE, 64 - ILUMINACAO PRACA	ILUMINACAO PRACA
34906436	AV DR EDSON BAPTISTA DE ANDRADE, 1220 - ILUMINACAO EM FRENTA AO MED 3T332455	ILUMINACAO EM FRENTA AO MED 3T332455
35322241	R ODILA DE CAMARGO MOREIRA, 36 - PRACA	PRACA
32561695	EST GENTIL PERES - JD UMUARAMA, 1043 - ILUMINACAO	ILUMINACAO
34906398	AV DR EDSON BAPTISTA DE ANDRADE, 0 - ILUMINACAO EM FRENTA AO MED 3T2727170	ILUMINACAO EM FRENTA AO MED 3T2727170
40585050	AV DR EDSON BAPTISTA DE ANDRADE, 571 - ILUMIN. ORLA - QUIOSQUE DO BEZERRA	ILUMIN. ORLA - QUIOSQUE DO BEZERRA
34813411	AV DR EDSON BAPTISTA DE ANDRADE, 25 - ILUMINACAO POCINHO	ILUMINACAO POCINHO
34906363	AV DR EDSON BAPTISTA DE ANDRADE, 0 - ILUMINACAO EM FRENTA AO MED B110820652	ILUMINACAO EM FRENTA AO MED B110820652
38278170	R CARLOS RAMALHO FOZ, 210 - CIBRATEL PROX AO MED B11887102	CIBRATEL PROX AO MED B11887102
38436990	AV ARY CARNEIRO DE SARAIVA, 120 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38285320	R PORTIRA, 2061	
38432226	R RIO DE JANEIRO - BAL MARROCOS, 2788 - IP PASSARELA SAVOY	IP PASSARELA SAVOY

31473300	R MARIA PIRES, 515 - ILUMINACAO PUBLICA DE PRACA	ILUMINACAO PUBLICA DE PRACA
38437163	AV ARY CARNEIRO DE SARAIVA, 551 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
38432625	R RIO DE JANEIRO - BAL MARROCOS, 1640 - ILUMINACAO PUBLICA	ILUMINACAO PUBLICA
43866921	R O - LOT RES GUAPURA, 0 - PRACA RUA O E RUA P	PRACA RUA O E RUA P
37415484	AV GOV MARIO COVAS JR, 6381 - EM FREnte NR 6490	EM FREnte NR 6490
27103668	AV FLACIDES FERREIRA, 387 - PRACA VITORIA	PRACA VITORIA
37415786	AV GOV MARIO COVAS JR, 6837 - FREnte 6836	FRENTE 6836
37416111	AV GOV MARIO COVAS JR, 7145 - EM FREnte NR 7144	EM FREnte NR 7144
44788762	AV GOV MARIO COVAS JR, 7355 - ILUM. PUBLICA	ILUM. PUBLICA
37415859	AV GOV MARIO COVAS JR, 0 - EM FREnte POUSADA JOFISA NR 7782	EM FREnte POUSADA JOFISA NR 7782
37415123	AV GOV MARIO COVAS JR, 8171	
44780508	AV GOV MARIO COVAS JR, 8255 - ILUM. PUBLICA	ILUM. PUBLICA
38296322	AV DEMERVAL PEREIRA LEITE, 10 - CENTRO	CENTRO