

Recuperação de Linha de Transmissão de Energia Mocuba (Província da Zambézia), Moçambique **Restoration of 220 kV Transmission Line Section** *Mocuba (Zambezia Province), Mozambique*

Work Description

The Seth awarded the work of emergency restore power infrastructures damaged by floods in Mocuba (Zambezia Province).

Due the heavy floods that struck the central and northern region of Mozambique in January 2015, the Centre-Northern 220 KV Transmission Line running from Matambo Station, in Tete up to Nampula substation, in Nampula, became unavailable for 27 days after ten (10) of its Self Supportive steel Towers were devastated by waters of Licungo river on its Line crossing point at Mocuba District, in Zambezia Province.

The summary of the scope of the project was consist of supplying eleven new towers, power and earth conductors, insulators, fittings, earthing systems, as well as installation.

It was also part of the contract the execution of the respective towers foundations.



Resumo da Obra **Work Summary**

Cliente	EDM – Electricidade de Moçambique	<i>Client</i>
Tipo de contrato	Série de Preços Measurable	<i>Contract type</i>
Data de construção	2015	<i>Construction period</i>
Custo	EUR 3.415.377,00	<i>Cost</i>



Nacala Coal Harbour Substations

Nacala-a-Velha, Moçambique

Nacala Coal Harbour Substations

Nacala-a-Velha, Mozambique

Work Description

Nacala Coal Harbour Main (110/22/33 kV) and Secondary Substations in Mozambique is the name of the contract that Siemens Pty Limited – Mozambique Branch awarded to Seth.

That contract had made by a project from Siemens (HATCH) and include the following works:

- Earthworks
- Reinforced concrete works
- Cable trenches
- Oil and water drainage systems
- Fencing and CBP pavements in access roads and yard



Main quantities:

- 5.000 m3 of earthworks
- 2.500 m3 of reinforcement concrete
- 300 ton of reinforcement steel
- 1.000 m2 of pavements



Resumo da Obra

Work Summary

Cliente
Tipo de contrato

Corredor Logístico Integrado de Nacala (Vale)
Série de Preços
Measurable

Client
Contract type

Data de construção
Custo

2014
EUR 1.565.000,00

Construction period
Cost



Electricity III / Package 1 and Package 2

Gaza, Inhambane, Nampula - Moçambique

Electricity III – Package 1 & 2

Gaza, Inhambane, Nampula - Mozambique

Work Description

Electricity III - Package 1 and 2, Supply and erection Medium and Low Electricity Networks in Mozambique is the name of the contract that EDM - Electricity of Mozambique awarded to Seth, with funding guaranteed by the African Development Bank and the Fund for International Development.

That contract had a deadline of 18 months and included the implementation of about 700 kilometers of distribution power lines, medium and low voltage in several districts in the provinces of Inhambane and Nampula, and in its final link up to about 8000 consumers.

Package 1 - Power to the provinces of Gaza and Inhambane:

- Supply and installation of approximately 228 km of overhead lines, 33 kV
- Supply and installation of approximately 154 km of overhead lines, 0.4/0.23 kV
- Supply and installation of approximately 67 transformer stations air, 33/0.4 kV
- Connect the end about 4,500 consumers

Package 2: Power to the province of Nampula, including:

- Supply and installation of approximately 247 km of overhead lines, 33 kV
- Supply and installation of approximately 63 km of overhead lines, 0.4/0.23 kV
- Supply and installation of approximately 22 transformer stations air, 33/0.4 kV
- Connect the end about 3,400 consumers

Main quantities:

- Connect 8000 final consumers
- 89 transformers 33/0.4 kV
- 575 Kms of medium voltage lines
- 217 Kms of low voltage lines



Resumo da Obra

Work Summary

Cliente	EDM	<i>Client</i>
	Electricidade de Moçambique	
Tipo de contrato	Série de Preços	<i>Contract type</i>
	Unit Price	
Data de construção	2010-2012	<i>Construction period</i>
Custo	EUR 17.410.358,00	<i>Cost</i>
Observações	Consórcio	<i>Notes</i>



Grid Intensification Component – ERAP, Package III

Maputo - Moçambique

ERAP – Package III

Maputo - Mozambique

Work Description

ERAP (Energy Reform and Access Program), Package III is the name of the contract that EDM – Electricidade de Moçambique has awarded to Seth under a loan from the NDF (Nordic Development Fund).

The contract has a completion deadline of 21 months and involves the installation of about 295 km of low-and medium-voltage electricity-distribution lines in several districts in the suburbs of Maputo, as well as their connection to approximately thirty thousand end customers.

The project naturally includes an initial survey of the districts and preparation of the distribution plans of the lines to be installed, in addition to the supply and installation of all materials and equipment, such as posts, lines, transformers and electricity meters.

The contract comprises 3 sections: Section 3 comprising large farms to the south of Maputo, in the locality of Catuane, near the border with South Africa; Section 2 located in the suburbs of Maputo; and Section 1 in the surroundings of Maputo, in which the greater part of this contract is located and involves the larger quantity of work adjudicated.

Principal quantities:

- Connecting 30,000 end customers
- 114 x 25 to 315 kVA transformers
- 137 km of medium-voltage lines
- 158 km of low-voltage lines



Resumo da Obra

Work Summary

Cliente	EDM Electricidade de Moçambique	Client
Tipo de contrato	Série de Preços Unit Price	Contract type
Data de construção	2007-2009	Construction period
Custo	EUR 9.439.006,00	Cost
Observações	Consórcio	Notes

Iluminação de segurança da placa de estacionamento de aeronaves

US Navy - Base Aérea das Lajes, Açores

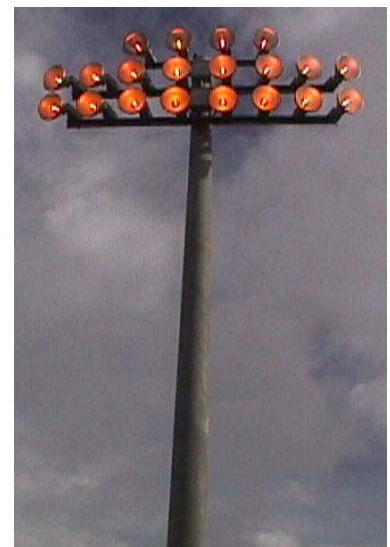
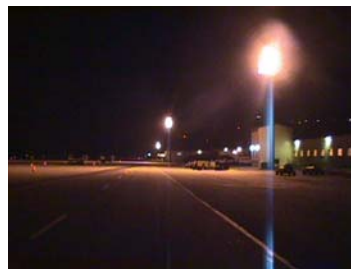
Apron Security Lighting

US Navy - Lajes Field, Azores

Âmbito dos trabalhos

Scope of Work

- Abertura de valas e instalação de cablagem.
Trenching and cabling installation.
- Instalação de 26 postes (20 m) multi-projector (20).
Installation of 26 multi-fixture (20) lighting posts (20 m).
- Cablagem AT (15 kV) enterrada para alimentação dos postes.
Buried HV cable (15 kV) for post feeding.
- Instalação de transformadores (26) na base de cada poste.
Installation of step-down transformers at each post location.
- Testes operacionais e commissionamento da instalação.
Operational testing and commissioning of the installation.



26 postes (multi-projector) para iluminação da placa de estacionamento de aeronaves da Base Aérea das Lajes, Açores.
26 multi-fixture lighting posts for the security lighting of the apron at Lajes Field, Azores.

Resumo da Obra

Work Summary

Cliente	U.S. Navy	<i>Client</i>
Tipo de contrato	Chave-na-Mão Turn-Key	<i>Contract type</i>
Data de construção	2000-2001	<i>Construction period</i>
Custo	USD 1,44 million	<i>Cost</i>
Projectista	Vansant & Gusler, Inc.	<i>Architect & Engineer</i>