

MIRAFLORES - PANAMÁ 18 MW DIESEL POWER PLANT



BUILT FOR



THE AUTHORITY OF THE CANAL OF PANAMA
BY



Summary

Contract

Type Turnkey
Effective Contract October 15-2001
Handing over December 2-2002

Technical Data

Diesel Engines

Make MAN B&W, Augsburg Germany
Type 1 x 18V 48/60, 4-Stroke
Speed 514 rpm

Synchronous Alternators

Make ABB, Finland
Type AMG 1600 UU14LSEB
Rating 23,035 KVA
Voltage/Frequency 13.8 kV / 60 Hz
Output at 100% load 17,968 kWe at Pf 0.8

Main Auxiliary Unit

Builder Aura Marine, Finland

Lube Oil Treatment

Make Westfalia, Germany
Type 1 x OSC 50-0196-066/40
Rated Capacity 6.3 m³/h

Central Cooler Unit

Make/Design Sondex / BWSC A/S
Type Plate heat exchanger
Cooling Capacity HT+LT 12,619 kW

Fuel Oil Treatment

Make Westfalia, Germany
Type 2 x OSC 30-0136-066/20
Rated Capacity 2 x 4.8 m³/h

Power House Building

Supplier MTH, Denmark
Length 31.2 m
Width 20.7 m
Height 11.5 m
Overhead Crane 1 x 5 ton
Stack 1 x 36 m

11 kV Switchgear

Make Siemens, Denmark
Type NXAir
Voltage/Frequency 13.8 kV / 60 Hz
Current 1,250 A

Hydraulic Engine Sliding Device

Design BWSC A/S, Denmark
Sliding Capacity 500 ton



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