

Stationary Power

Choloma, 14 x 18V48/60B, Honduras

MAN Diesel



Choloma

14 x 18V48/60B, 283 500 kW, Honduras

Project description

ENERSA/EMCE is a strong regional player in the power and telecommunications sector of Central America. With the completion of phase 2 ENERSA/EMCE became the largest private electricity generator for the Honduras National Energy Agency (ENEE).

The project was awarded under an emergency Presidential decree in response to an impending power shortage forecast for Honduras, beginning early 2004 – due to deteriorating capabilities of the major hydro installation and lower rain fall levels.

The ENERSA and MAN Diesel team presented the Honduran government a fast track solution to both avoid next years' power shortage and meet the long term electricity needs of the country.

For the government of Honduras, having phase I generating power in less than 6 months, means uninterrupted energy supply for the growing economy, and less reliance on expensive imported and temporary electricity.

Project highlights

Largest stationary electrical power project undertaken by MAN Diesel.

Supply of electricity to the Honduran national grid began on time despite challenging climatic and topographic conditions and against strict time schedule specified in the Power Purchase Agreement negotiated by the Independent Power Producer and Honduran national energy agency.

Start of construction accelerated by means of innovative bridging finance arranged by MAN Diesel and demonstrating all round expertise in turnkey contracts and consortium leadership.

Basic high efficiency of the heavy fuel engines augmented by a 10% increase in generation capacity from a steam turbine driven by waste heat boiler exploiting engine exhaust gas heat.



Choloma phase I and II – power house



18V48/60B supplying 18 900 kW each



Choloma – phase I and II

Project set up

Purpose	Independent Power Producer (IPP) for grid supply
Customer	Energía Renovable, S. A. de C. V. (ENERSA)
Guarantor	Empresa de Mantenimiento, Construcción Y Electricidad S. A. de C. V. (EMCE)
Contract	Turnkey signed September 24, 2003
Handing- over	Phase I – March 31, 2004 Phase II – April 25, 2005

Key data

Phase I	5 x MAN Diesel 18V48/60B at 514 rpm 94 500 kW _m
Phase II	9 x MAN Diesel 18V48/60B at 514 rpm 170 100 kW _m
Total	283 500 kW _m
Fuels	HFO
Cooling	Radiator

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