



DABHOL I COMBINED CYCLE POWER PLANT

LOCATION DABHOL, MARHARASTRA, INDIA
 CUSTOMER GENERAL ELECTRIC
 END USER DABHOL POWER

VOGT POWER SOLUTION

- + Units for Marghera Levante are VPI's "MSG" design. The MSG is a single wide modular box design with standard widths and a high degree of shop assembly
- + The boxes come complete with installed casing, steel structure and pre-assembled internal piping
- + The MSG design minimizes the number of boiler parts sent to a jobsite resulting in lower installation costs and shorter construction periods

	ENGLISH	METRIC
HP steam flow	592,067 lbs/hr	74.60 kg/s
HP steam pressure	1,248 psig	86.0 barg
HP steam temp	1,004°F	540.0°C
Reheat steam flow	669,052 lbs/hr	84.30 kg/s
Reheat steam pressure	334 psig	23.0 barg
Reheat steam temp	1,002°F	538.9°C
IP steam flow	83,334 lbs/hr	10.50 kg/s
IP steam pressure	377 psig	26.0 barg
IP steam temp	567°F	297.2°C
LP steam flow	57,937 lbs/hr	7.30 kg/s
LP steam pressure	83 psig	5.7 barg
LP steam temp	493°F	256.1°C

PROJECT OVERVIEW

Gas Turbine

- + Supplier: General Electric
- + Type: Frame 9FA
- + Main Fuel: Natural Gas
- + Backup Fuel: Naphtha

HRSG

- + No. of Units: 2
- + Type: Horizontal gas path Natural Circulation, 3 Pressure Levels + Reheat Supplementary Duct Fired

PERFORMANCE RESULTS

- + Marghera Levante was constructed to meet the growing electricity needs of local industrial users and the overall power demand in and around Venice
- + HRSGs are of the horizontal gas path natural circulation type and feature three pressure levels

