

106 MW Used HFO Diesel Power Plant (Wartsila 7 x 18V46)

- Power Plant consist of 7 units of Wartsila 18V46 HFO engines
- Alternators are brushless ABB
- YOM: 2000
- The plant was delivered in 2001
- Still in operation
- Can be dismantled any time for relocation.
- Fuel to be used is low sulfur HFO
- Delivery includes complete plant with switch yard equipment.
- Speed: 500 RPM
- Capacity: 106 MW
- Application: Base Load Power Generation
- Engine type: 18V46 HFO
- Engine rated ISO output: 17.55 kWm
- Specific fuel consumption: 200 grams @ fuel LCV of 9800 kcal/Kg
- Alternator type: ABB AMG 1600 SS12 DSEB
- Alternator out put: 20000 kVA, 11 kV, 50 Hz
- Generator transformers (4 pieces): BHEL 40 000 kVA, 110 / 11 kV
- Lube oil separators (7 pieces): Alfa Laval LOPX 710 SFD 34
- Fuel oil separators (4 pieces) : Alfa Laval FOPX 614 TFD 24
- Waste heat recovery boilers (3 pieces): Alborg 4270 kg/h at 7 bar

Main plant characteristics at current site conditions:

Net power output at site	106 MW at 110 kV / 50 Hz
Engines	7 x 18V46 - 500 rpm
Shaft output ISO	16 290 kWm
Alternators	ABB AMG 1600 SS12 DSEB self-cooled, brushless, synchronous
Power factor	0.8
Efficiency	0.97 (at rated output, 50 Hz and power factor 0.8)
Voltage	11 000 V, with adjustment range +5 - 10%
Frequency	50 Hz +/-5%

Status: Running
Location: On Request
Price: On Request