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| | |
|------------------|---|
| For Sale: | Pre-owned 25 MW HFO Diesel Power Plant |
| Ref.-No: | DG-32.19 |



Plant Configuration

The Power Plant is complete in all respects. It is operated by 4 x 6.376 MW, 50 Hz,

11 kV Wartsila Vasa 18V32LN Diesel/HFO Generator Sets Technical Details of DG Sets (4 Nos)

Engines

| | |
|----------------|------------------------------------|
| Manufacture | Wartsila |
| Model | VASA18V32LN |
| Nominal Output | 6587 kW Nominal Speed 750 RPM |
| Rotation | Clockwise Year of manufacture 2001 |

Alternator

| | |
|--------------|-------------|
| Manufacturer | ABB |
| Type | AMG0900XS08 |
| Current | 418.3 A |
| Voltage | 11000 V |
| Output | 7970 kVA |
| Frequency | 50 Hz |

Fuel used and engine specific fuel oil consumption:

| Quality | Density @ 15°C | Viscosity | Calorific Value |
|--------------|----------------|---------------|-----------------|
| HFO (180cSt) | 0.96 | 180cSt @ 50°C | 41.42 MJ/kg |
| MDF | 0.84 | 3 @ 40°C | 43.07 MJ/kg |

ISO Specific Fuel Oil consumption of all 04 engines (as per ISO 3046 standard) is 200 + g/kWh (considering the electrical output at generator terminals)

Lubrication Oil used and engine specific lube oil consumption:

As per the recommendations of the engine manufacturer (Currently using MOBIL M50)

Lubrication oil consumption level of all 04 engines is below 0.7 g/kWh

Operation History of the Plant

From March 2002 to 2012 the Plant was in operation and supplied Energy to the National Grid as per the terms of the Power Purchase Agreement (PPA) with the National Electricity Board. This power plant is still operable. It was taken out of operation solely due to expiry of the power purchase agreement. This plant has been maintained according to OEM guidelines and is in excellent condition.

From March 2012 to August 2012 the plant was stopped and had been in standby mode. Routine engine turning from turning gear and other Standard layup procedures recommended by Wartsila were carried out.

From August 2012 November 2012 the plant resumed energy generation for a period of 3 months and supplied energy to the National Grid.

From November 2012 till present the plant is in standby mode. Routine engine turning from turning gear and other Standard layup procedures recommended by Wartsila are being carried out.

All the maintenance activities were carried out according to Standard Wartsila guidelines given in Manuals.

Engine Running Hours (RH), and RH at last major maintenance

| | DG 01 | DG 02 | DG 03 | DG 04 |
|---------------------------------|------------|------------|------------|------------|
| Present Running Hours | 71,749 | 71,893 | 71,000 | 71,582 |
| Last Major Overhaul Done | 60,000 Hrs | 60,000 Hrs | 60,000 Hrs | 60,000 Hrs |
| RH @ Last Major Overhaul | 60,556 | 60,281 | 60,148 | 60,558 |
| Last Schedule Maintenance | 1,000 Hrs | 1,000 Hrs | 1,000 Hrs | 1,000 Hrs |
| RH @ Last Scheduled Maintenance | 70,968 | 70,977 | 70,768 | 70,895 |



Engine Hall

Further information on request

Important Disclaimer

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