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<b>For Sale:</b>	<b>Pre-owned 25 MW HFO Diesel Power Plant</b>
<b>Ref.-No:</b>	<b>DG-32.19</b>



### 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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