

NITIN CORPORATION

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THE FOLLOWING HFO FIRED POWER PLANT IS AVAILABLE FOR SALE WITH US WITH IMMEDIATE DELIVERY:

1 No. 108 MW MAN (2014) make HFO fired Power Plant comprising of 12 Nos. 8.75 MW each, MAN make, type 18V32/40CD HFO fired Generator sets, having the Following Technical Specifications:

TECHNICAL DETAILS:

Number of Units : 12 Units
Generating Capacity : 8.75 MW Each (The Plant Package includes a 3.7MW Steam Turbine for Waste Heat Recovery and Co-generation)
Total Generating Capacity of 108 MW (ISO Conditions) 11kV, 50 HZ
Fuel : HFO
Year of Make : 2014. Plant was commissioned in 2017. Plant was shutdown in the Year 2020.
Total Running Hours : Running Hours of the 12 Units vary from 6,000 hours to max of 10,000 Hours
Maintenance History : Scheduled 12,000 Hours maintenance is done for 2 units and is due for 10 units.

ENGINE DETAILS:

Make : MAN Diesel & Turbo.
Origin : Germany
Model : 18V32/40CD
Power : 8.75MW each
Number of Units : 12
Year of Make : 2014
Year of Commissioning : 2017
Fuel : HFO

ALTERNATOR DETAILS:

Make : Hyundai Heavy Industries
Origin : South Korea

Model : 20134223RBS02210
Voltage : 11000 V
Capacity : 10324 KVA
Frequency : 50 Hz

ENGINE RUNNING HOURSDETAILS:

G1	9919	G2	10078	G3	6796	G4	10541
G5	10647	G6	10092	G7	4308	G8	10120
G9	9532	G10	9012	G11	9337	G12	8892

WASTE HEAT RECOVERY AND CO-GENERATIONDETAILS:

6 units of high efficiency ALFA LAVAL Waste Heat recovery Boiler, made in Finland.

3.7MW Triveni Steam Turbine, Made in India.

SCOPE OF SUPPLY:

1. MAN 18V32/40CD DG SETS- 12 Units
2. Hyundai Heavy Industries 10324KVA, 11 kV, 50 Hz, P.F 0.8 Alternator-12 Units
3. Mechanical Auxiliary System:
 - a. Auxiliary Modules
 - b. HFO Fuel Handling System
 - c. Lubricating Oil System & Lubricating Oil System Piping
 - d. Compressed Air System & Compressed Air System Piping
 - e. Cooling System
 - f. Intake Air System
 - g. Exhaust System
 - h. Electrical System
 - i. Control System
 - j. Control Panels
 - k. Cables & Accessories
 - l. Medium Voltage System
 - m. Medium Voltage Cable
 - n. Low Voltage System
 - o. Low Voltage Cables
 - p. DC System
 - q. Note: Heat Recovery System is included in this Package
4. Tools
5. Spare Parts
6. Full MAN Documentation

CURRENT STATUS:

The plant was in commercial operation from 2017 to 2020. It has been idle since 2020. A 12,000 hour maintenance is due for all engines; two engines have already undergone this service under the supervision of the MAN Service Team.

**NITIN CORPORATION,
INDIA**



Balance of the Plant (auxiliary) machinery is manufactured and supplied mainly by ALFA LAVAL Sweden



Electrical Control and Automation System manufactured by ABB, SIEMENS, and GE

