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

**1 NO. - 37 MW HFO Fired Power Plant Comprising Of 3 Nos. 12.35 MW Each, MAN B&W HFO Generator Sets Having The Following Technical Specifications :**

**TECHNICAL DETAILS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***SR. NO.*** | ***SPECIFICATIONS*** | ***ENGINE 1*** | | ***ENGINE 2*** | | ***ENGINE 3*** |
| **ENGINE DETAILS:** | | | | | | |
| 1 | MAKE | **MAN B&W DIESEL AUGSBERG, GERMANY.** | | | | |
| 2 | CAPACITY | 12350 kW | 12350 kW | | 12350 kW | |
| 3 | YEAR OF MAKE | 1999 | 1999 | | 1999 | |
| 4 | SPEED | 500 RPM | 500 RPM | | 500 RPM | |
| 5 | TYPE | 12V48/60 | 12V48/60 | | 12V48/60 | |
| 6 | No. OF CYLINDER | 12 | 12 | | 12 | |
| 7 | CYLINDER BORE DIA | 480 MM | 480 MM | | 480 MM | |
| 8 | CYLINDER STROKE LENGTH | 60 | 60 | | 60 | |
| 9 | OPERATING FUEL | HFO | HFO | | HFO | |
| 10 | HFO CONSUMPTION | 225 GRAMS/ kWH | 225 GRAMS/ kWH | | 225 GRAMS/ kWH | |
| 11 | LUBE OIL CONSUMPION | 0.7 Grams/kWH | 0.7 Grams/kWH | | 0.7 Grams/kWH | |
|  |  |  |  | |  | |
| **ALTERNATOR DETAILS:** | | | | | | |
| 1 | MAKE | **SEIMENS** | | | | |
| 2 | TYPE | IDK 5143-3BE06-Z | IDK 5143-3BE06-Z | | IDK 5143-3BE06-Z | |
| 3 | YEAR OF MAKE | 1998 | 1998 | | 1998 | |
| 4 | CAPACITY | 15340 KVA | 15340 KVA | | 15340 KVA | |
| 5 | VOLTAGE | 11000 V | 11000 V | | 11000 V | |
| 6 | AMPS | 805 A | 805 A | | 805 A | |
| 7 | SPEED | 500 RPM | 500 RPM | | 500 RPM | |
| 8 | DUTY TYPE | S1 | S1 | | S1 | |
| 9 | P.F. | 0.8 | 0.8 | | 0.8 | |
| 10 | INSULATION CLASS | F | F | | F | |
| 12 | ENCLOSURE | IP 21 | IP 21 | | IP 21 | |
| 13 | COOLING | IC 01 | IC 01 | | IC 01 | |
| 14 | EXCITATION – V | 73V | 73V | | 73V | |
| 15 | EXCITATION – A | 8.5A | 8.5A | | 8.5A | |
|  |  |  |  | |  | |
| **OPERATING HISTORY:** | | | | | | |
| 1 | ENGINE RUNNING HRS. | 35432 | 35914 | | 35222 | |
| 2 | HOURS AT WHICH LAST OVERHAUL IS DONE | 27150 | 27150 | | 27150 | |
| 3 | NO. OF HRS RUN AFTER LAST OVERHAUL | 8282 | 8764 | | 8072 | |

**TECHNICAL DATA & SCOPE :**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SL | **ENGINES AND PUMPS DETAILS** | | **MOTORS DETAILS** | **SUPPLIER BY** | **QUANTITY** |
| 1 | **ENGINES** | | **ALTERNATORS** |  |  |
|  | Make; MAN B&W DIESEL AUGSBURG, GERMANY.  Type.12V48/60  Power.12350Kw  Pme.22.7  Rpm.500 Year.1999 | | MAKE.SIEMENS  Type.1DK 5143-3BE 06-Z-1998  3NGEN,No.D98 603 015 03  Volts.11000, Amps.805  KVA.15340, Duty Type.S1  Power factor.0.8  Rpm.500  Exict Self.73Volts, Amps.8.5  Th. CL.F | Germany | 3Nos |
| 2 | **LUBE OIL PUMP** | | **MOTOR** |  |  |
|  | Make; LEISTRITZ  Flow.315 m3/hr  Max.perssure.10 bar  Type.LSNT-125/184 IF0GA-0 | | Make; DUTCHI R C.E  M.no.141481001  Type.DMI 515 S4  3Ph, 415Volts, 50Hz  Amps.184, Rpm.1485, 110Kw | Germany | 3Nos |
| **3** | **CYLINDER COOLING WATER PUMP** | | **MOTOR** |  |  |
|  | Make; Iron pump  Flow.150m3/hr Type. QV 10/300  Head.44MWC | | Make: CE  M.No.4852903  Type.16BA-0223-4AA61-Z 225M  A. Synchronic motor, 3Ph, 415v, 50Hz, 78.5Amps, 1475rpm  45/60,Kw/Hp | Germany | 3Nos |
| 4 | **CHARGE AIR COOLING WATER PUMP** | | **MOTOR** |  |  |
|  | MAKE.IRON PUMP  TYPE.CNLB 150-150/315,  PUMP NO.CNL 2948/1,  Capacity:170M3/hr  Head:.26 Mts  Rpm.1470 KW: 17 | | Make; C.E  M.No.9205196,Type.VG1 801 L04  A. Synchronic motor, 3Ph, 415v  50Hz. 39Amps, 1460rpm  22Kw | Germany | 3Nos |
| **5** | **NOZZLE COOLING WATER MODULE** | | **MOTOR** |  |  |
|  | MAKE.GRUNDFOS.  TYPE.CH 8-50A –CVBE  MODEL.B4N 508025 P 29908  U 3X220-240/380/415V  KW: 1.7,Capacity.8 M3/HR  Head.32M | | Type.CH-8-50A-A-CVBE  Model.B4N 508025 P 29908  V. 3x220-240/380-415v  I1/1;5.8/3.4A, 50Hz | Germany | 3Nos |
| 6 | **LUBE OIL COOLERS** | | **MOTOR** |  |  |  |
|  | Make; ALFA LAVEL  Type.M15-MFM8  Manufacture No.30102-38617  Year.1999, Volume.602.5 Lts  Test Pressure.15 bar  Max Working pressure.10 bar  Max working Temp. 100/c  Area –A .1077 mm  No of Plats.242  Gasket/plate Specification-  316/0.5/NIT/CLIP-ON | | Motor not used | Germany | 3Nos |
| 7 | **HT WATER COOLER** | | **MOTOR** |  |  |
|  | Make; ALFA LAVEL  Type.M15-MFM8  Manufacture No.30102-38620  Year.1999, Volume.142.5 Lts  Test Pressure.7.5 bar  Max Working pressure.5.0 bar  Max working Temp. 100/c  Area –A .258 mm  No of Plats.58  Gasket/plate Specification-  316/0.5/NIT/CLIP-ON | | Motor not used | Germany | 3Nos |
| 8 | **LT WATER COOLER** | | **MOTOR** |  |  |
|  | Make; ALFA LAVEL  Type.M10-BFM  Manufacture No.3  Year.1999, Volume.74.6 Lts  Test Pressure.7.5 bar  Max Working pressure.5.0 bar  Max working Temp. 100/c  Area –A .348 mm  No of Plats.114  Gasket/plate Specification-  316/0.5/NIT/CLIP-ON | | Motor not used | Germany | 3Nos |
| 9 | **FO BOOSTER MODUL PUMP &VISCOSITY PUMP** | | **MOTOR** |  |  |
|  | Make: LEISTRZ  Machine No.8770002  Type.L3NG-45/17 A POU1-Z /  Make. SCHERZINGER  Type.EVM-2 FAB No.994373NUTZWHAL/LTR-1  Max. Pres. 16 bar  Max Temp. 200/c | | 1.Make:ROTOR-C,E  M.No.9052173  A. Synchronic motor.4AP 901-4.  Type.M310 TROP.C 411.  3Ph, 240/415v. 50Hz,  1420rpm, 6.3/3.6A, 1.5Kw  2. Make: EG 7150-1 AY-RL.  M. No. 06/98-53834053,  230v, 50/60Hz, 0.45A, 34Watts, 1300/1400rpm | Germany | 3Nos |
| 10 | **STARTING AIR COMPRESSOR** | | **MOTOR** |  |  |
|  | MAKE :INGERSOLL RAND  SIZE.5.5 &3&1-5/8X4  MODEL NO.15T2 | | Make: SIEMENS  M.No.N8/405705, Frame.160m  3Ph, 50Hz ,415v, 21Amps  1445rpm, 11Kw  Delta. connection. | India | 3Nos |
| 11 | **LUBE OIL SEPARATOR** | | **MOTOR** |  |  |
|  | Make: ALFA LAVEL  Type.LOPX709SED34,  Product.no.881243-02.03 | | Make :ABB, M.No.993052  3Ph, 50Hz, 415v, 21.5Amps,  1140rpm, 11 KW | Germany | 3Nos |
| 12 | **LUBE OIL FEED PUMP** | | **MOTOR** |  |  |
|  | TYPE.ACP038 N1 NVBP  Sr.NO.415083,479095,479023  ALFA LAVAL-1762164-01  IMO AB | | Make: CE, M.NO: 7024732  Type.14A24A0901, 3Ph,  50Hz, 415v, 3.2 Amps,  1110rpm, 1.3 KW | Germany | 3Nos |
| 13 | **TURNING GEAR MOTOR** | | **MOTOR** |  |  |
|  | MAKE.ABGA112 MB-04M  SR.NO.2159784 RPM.1430 | | Make: LOHER  Type.ABGA-112MB-04M,  50Hz, 415v, 8.6 Amps,  1430rpm, 4.0 KW 3Ph, | Germany | 3Nos |
| 14 | **ALTERNATOR BEARING OIL PUMP** | | **MOTOR** |  |  |
|  | MAKE.LINM-PUMPEN  TYPE.FLM310 15.99  Q.7.4I/M IN RPM.1450 | | Make: SIEMENS  Type.EN60034 1LA 7073-4AA10 32142 6001, 3Ph,  50Hz, 230/ 415v,1.78/1.03 Amps, 1400rpm,0.37Kw | Germany | 3Nos |
| 15 | **CYLINDER LUBRICATION PUMP** | | **MOTOR** |  |  |
|  |  | | Make: CE-VEM MOTORS GMBH,  M.NO: 159167872H,IMV18090  Type. K2IR71C8-4RWE/3315F,  I,3Ph,415V,50Hz,  0.090mps,1420rpm, 0.15KW | Germany | 6Nos |
| 16 | **VALVE SEAT LUBRICATION PUMP** | | **MOTOR** |  |  |
|  |
|  |  | | Make: CE , TYPE&M.NO :DOMA63S\*4-SI83-1,DT01/99  3Ph,380/415V,50Hz,  0.69Amps,1500rpm, 0.18KW | Germany | 6Nos |
| 17 | **11KV GEN- CIRCUIT BREAKER** | | **MOTOR** |  |  |
|  | MAKE: Siemens ,DESIGN CODE: 1G  TYPE:3AH 116-2, MOY:1999  NO.S :3AH/00006676, IR:1250A,  UR:12KV 50/60 HZ, TK:35 ISE:40.0KA M:125KG UP : 28.0KV  Rated operated security 0-3min-co-3min-co | | Motor not used | Germany | 3Nos |
| 18 | **VENTILATION FAN** | | **MOTOR** |  |  |
|  |  | | Make: ABB,  Type.HX180ML B6 Squirrel cage IM , 3Ph,50Hz, 415v, 29.0Amps,  950rpm, 15/20 KW/Hp  delta Connection.IP-55 Insulation class ’F’ A.T 40°c N89%, DUTY S1 | INDIA | 6Nos |
| 19 | | **SIEMENS AUXILLARY PENNEL** | Motor not used | Germany | 3Nos |
| 20 | | **SIEMENS PLC OPERATING PENNEL** | Motor not used | Germany | 3Nos |
| 21 | | **SIDUR 2000 EXICTATION UNIT** | Motor not used | Germany | 3Nos |
| 22 | | **OIL BATH ROTARY FILTER** | MOTOR | Germany |  |
|  | | Make: Locker filtration  Type. Auto flow.  Model .no.9-50 em,  Sump capacity.165 lts& 205 lts | Make. PARVALUX  Volts.240,Amps.0.76  Hz.50,Watt.100  Rpm.400 | England | 3Nos |
| 23 | | **OIL MIX DETECTOR** | Motor not used | Germany | 3Nos |
| 24 | | **SFLASH OIL MODULE** | Motor not used | Germany | 3Nos |
| 25 | | **15kL LUBE OIL SERVICE TANK** |  | Germany | 3Nos |
| 26 | | **HT WATER EXPANTION TANK** |  | Germany | 3Nos |
| 27 | | **LT WATER EXPANTION TANK** |  | Germany | 3Nos |
| 28 | | HFO LEAK OIL TANK PUMP | MOTOR |  | 1No |
| 29 | | LUBE LEAK OIL TANK PUMP | MOTOR |  | 1No |
| 30 | | LUBE OIL SLUDGE TANK | CAPACITY 5KL |  | 1No |
| 31 | | CONDENSATE WATER TANK | CAPACITY 2KL |  | 1No |
| 32 | | PRE-WATER HEATER TANK |  |  | 1No |
| 33 | | AIR BOTTEL | CAPACITY 30 KG/CM2 |  | 3No |
| 34 | | PRE-WATER HEATER PUMP | MOTOR |  | 1No |
| 35 | | CONDENSATE WATER TANK | 2KL |  | 1No |
| 36 | | CONDENSATE WATER TANK | 2KL |  | 1No |
| 37 | | WMI EOT Crane 10 ton |  |  | 01No |
| 38 | | **HFO RING MAIN PUMP** | **MOTOR** |  |  |
|  | | Make: KRAL  Type: KV450-2A1A  NRD-22515  Capacity: 10m3/hr , Rpm: 1760 | Make: AEG  Type: AM160MZA4  KW: 22.5 , Amps: 12.9  Volta:415 , Hz:50  Rpm: 1760 | Germany | 2Nos |
| 39 | | **DIESEL RING MAIN PUMP** | **MOTOR** |  |  |
|  | | Make: KRAL  Type: KV450-2A1A  NRD-22515  Capacity: 10m3/hr , Rpm: 1760 | Make: AEG  Type: AM160MZA4  KW: 22.5 , Amps: 12.9  Volta:415 , Hz:50  Rpm: 1760 | Germany | 2Nos |
| 40 | | **HFO SEPARATOR FEED PUMP** | **MOTOR** |  |  |
|  | | Make: IMBO SCREW PUMP  Type: DESIGNATION  ACP-038N1 NVBP  ALFALAVAL- | Make: ABB  Type: MZAA100LA  M. No. 7024779  KW: 2.2 , Amps: 4  Volta:415 , Hz:50  Rpm: 1430 | India | 2Nos |
| 41 | | **HFO SEPARATOR** | **MOTOR** |  |  |
|  | | Make: ALFALAVAL  Type:FOPX609 TFD24  Rpm: 1500 | Make: ABB  Type: M2AA 160 M-4  KW: 11.5 , Amps: 21.5  Volta:415 , Hz:50  Rpm: 1440 | India | 2Nos |

**PHOTOS :**



























