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Information Memorandum

***For sale of 11.68 MW Heavy Fuel Oil (HFO) based
Captive Power Plant (CPP) available with
immediate delivery***

Year of Commissioning: 2007/08

Equipment included: 5 main DG Sets of KOEL PIELSTICK make (now Man Diesel and Turbo) and associated ancillary equipment

Area: Located over built up area of 3,000 sq. mtr

Location: India

Condition: Excellent running condition, complete with their accessories and spares (photographs, accessories + spares list, and running schedule enclosed). Load trials can be arranged for inspection at the location.

Diesel Generator (DG) Set Details

5 main DG Sets of KOEL PIELSTICK make (now Man Diesel and Turbo) and associated ancillary equipment

Equipment	DG Set 1	DG Set 2	DG Set 3	DG Set 4	DG Set 5
Manufacturer	KOEL-MAN Diesel and Turbo				
Fuel type	HFO	HFO	HFO	HFO	HFO
Power output (MW) @ 50 Hz	2.5	1.68	2.5	2.5	2.5
Year of Manufacturing	2006	2006	2006	2008	2007
Operating since	2007	2007	2008	2008	2009
Total Hours in operation	31,818	27,304	32,444	31,222	24,565
Average Efficiency (Liter/Unit)	0.250				
Power (MHP)	3,600	2,400	3,600	3,600	3,600
RPM	750				
Apparent Power (KVA)	3,125	2,100	3,125	3,125	3,125
Output Voltage	11,000	11,000	11,000	11,000	11,000
Weight in KG	23,000	16,000	23,000	23,000	23,000

***Select Photographs of the DG Set and
Associated Equipment***

Diesel Generator Set 3 – 2.5 MW



Diesel Generator Set 4 – 2.5 MW



Diesel Generator Set 5 – 2.5 MW



Centrifuge



HT LT Radiator



LT Radiator



LT RADIATOR (2.5MW)
NO. OF PANS 40
NO. OF TUBES 160
NO. OF TUBES PER PANE 4
NO. OF TUBES PER ROW 10
NO. OF TUBES PER COLUMN 4
NO. OF TUBES PER COLUMN 4
NO. OF TUBES PER COLUMN 4
NO. OF TUBES PER COLUMN 4

Power Plant Accessories



Detailed list of Accessories

Accessories Details

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SR.	EQUIPMENT DESCRIPTION	YEAR OF MFG	CAPACITY	MAKE
	Phase I			
1	2.5 MW DG1 Alternator	2006	11000 V, 2500 KW, 3125 KVA, 750 RPM	Leroy Somer
2	2.5 MW DG1 Engine	2006	MHP-3600, 750 RPM	KOEL (PIEL STICK)
3	1.68 MW DG2 Alternator	2006	11000 V, 1680 KW, 2100 KVA , 750RPM	Leroy Somer
4	1.68 MW DG2 Engine	2006	2400 MHP, 750 RPM	KOEL (PIEL STICK)
5	Generator Control Panel DG1	2006	-	KOEL
6	Generator Control Panel DG2	2006	-	KOEL
7	Synchronising panel with SCADA system	2006	-	KOEL
8	Auxillary (Station) Transformer No1	2006	11000/ 433 V,750 KVA,Volume of oil -495 lts	Voltamp Ltd
9	DG 1 &2 Booster Module	2007	1800LPH	Alfa Laval
10	DG1 Lube oil Centrifuge	2006	1100 KG/M3	Alfa Laval
11	DG2 Lube oil Centrifuge	2006	1000 KG/M3	Alfa Laval
12	DG 1 HT Radiator HT	2007	-	Shur - Kut Heat Transfers
13	DG1 LT Radiator	2007	-	Shur - Kut Heat Transfers
14	DG2 HT/LT Radiator	2007	-	Shur - Kut Heat Transfers
15	Battery Charger Panel 24 V	2006	24 V,40 A	Magnaflux system Pvt Ltd.
16	Step up Power Transformer 1	2007	11000/33000 V, 3.5 MVA, Volume of oil-2855 lts	Voltamp Ltd
17	Step up Power Transformer 2	2007	11000/33000 V, 3.5 MVA, Volume of oil-2855 lts	Voltamp Ltd
18	110 V DC Battery Charger	2007	110 V DC,150 Ah	Mass Tech
19	11 KV Vaccum Circuit Breaker	2006	800A, 12KV	ABB.(Asian Power System)
20	11 KV Vaccum Circuit Breaker	2006	800A, 12KV	ABB.(Asian Power System)
21	11 KV Vaccum Circuit Breaker	2006	800A, 12KV	ABB.(Asian Power System)
22	11 KV Vaccum Circuit Breaker	2006	800A, 12KV	ABB.(Asian Power System)
23	11 KV Vaccum Circuit Breaker	2006	800A, 12KV	ABB.(Asian Power System)
24	HFO Centriguge 1	2006	1100KG/M3	Alfa Laval
25	Neutral Grounding Resistor panel 1 & 2	2006	115.5 Ω	-

Accessories Details

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SR.	EQUIPMENT DESCRIPTION	YEAR OF MFG	CAPACITY	MAKE
	Phase II			
26	2.5MW DG 3 Engine	2008	MHP-3600,750 RPM	KOEL (PIEL STICK)
27	2.5MW DG 4 Engine	2008	MHP-3600,750 RPM	KOEL (PIEL STICK)
28	2.5MW DG 5 Engine	2007	MHP-3600,750 RPM	KOEL (PIEL STICK)
29	2.5 MW DG 3 Alternator	2006	11000 V,2500 KW,3125 KVA,750 RPM	Leroy somer
30	2.5 DG 4 Alternator	2008	11000 V,2500 KW,3125 KVA,750 RPM	Leroy somer
31	2.5 MW DG 5 Alternator	2007	11000 V,2500 KW,3125 KVA,750 RPM	Leroy somer
32	DG 3&4 Booster Module	2007	1800LPH	Alfa Laval
33	DG 5 Booster Module	2008	1800LPH	Alfa Laval
34	DG 3 Lube Oil Centrifuge	2008	1100 KG/M3	Alfa Laval
35	DG 4 Lube Oil Centrifuge	2008	1100 KG/M3	Alfa Laval
36	DG 5 Lube Oil Centrifuge	2008	1100 KG/M3	Alfa Laval
37	DG 3 LT Radiator	2007		Shur - Kut Heat Transfers
38	DG 4 LT Radiator	2008		Shur - Kut Heat Transfers
39	DG 5 LT Radiator	2007		Shur - Kut Heat Transfers
40	DG 3 HT Radiator	2007		Shur - Kut Heat Transfers
41	DG 4 HT Radiator	2008		Shur - Kut Heat Transfers
42	DG 5 HT Radiator	2007		Shur - Kut Heat Transfers
43	HFO Centrifuge No. 2	2007	1100 KG/M3	Alfa Laval
44	HFO Centrifuge No. 3	2007	1100 KG/M3	Alfa Laval
45	Step up Power Transformer 3	2008	11000/33000 V,5.0 MVA,Volume of oil-2700 lts	Crompton Greaves
46	Step up Power Transformer 4	2008	11000/33000 V,5.0 MVA,Volume of oil-2700 lts	Crompton Greaves
47	Auxillary (Station) Transformer No.2	2007	11000/433 V,1.0 MVA,Volume of oil-495 lts	Volt Amp.
48	Generator Control Panel DG3	2008		Kirloskar
49	Generator Control Panel DG4	2008		Kirloskar
50	Generator Control Panel DG5	2007		Kirloskar

Accessories Details

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SR.	EQUIPMENT DESCRIPTION	YEAR OF MFG	CAPACITY	MAKE
Phase II				
51	Neutral Grounding Resistor panel 3	2008	38.75 Ω	AMP Control Equipment pvt.ltd
52	Neutral Grounding Resistor panel 4	2008	38.75 Ω	AMP Control Equipment pvt.ltd
53	Neutral Grounding Resistor panel 5	2007	38.72 Ω	AMP Control Equipment pvt.ltd
54	Battery Charger 03	2007	24V, 40A	Kirloskar
55	11 KV Vaccum Circuit Breaker (Bus Coupler)	2008	12 KV,1250 Amps	ABB.(Asian Power System)
56	11 KV Vaccum Circuit Breaker (DG#3 Incomer)	2008	12 KV,1250 Amps	ABB.(Asian Power System)
57	11 KV Vaccum Circuit Breaker (DG#4 Incomer)	2008	12 KV,1250 Amps	ABB.(Asian Power System)
58	11 KV Vaccum Circuit Breaker (DG#5 Incomer)	2010	12 KV,1250 Amps	ABB.(Asian Power System)
59	11 KV Vaccum Circuit Breaker (O/G # 3)	2008	12 KV,1250 Amps	ABB.(Asian Power System)
60	11 KV Vaccum Circuit Breaker (O/G # 4)	2008	12 KV,1250 Amps	ABB.(Asian Power System)
61	11 KV Vaccum Circuit Breaker (O/G#5 / Station Trf#2)	2008	12 KV,1250 Amps	ABB.(Asian Power System)
62	11 KV Vaccum Circuit Breaker (O/G # 6)	2008	12 KV,1250 Amps	ABB.(Asian Power System)
63	33KV SF6 Circuit Breaker	2007	33 KV,1250Amps,	ABB(Technocrafts)
64	33KV SF6 Circuit Breaker	2007	33 KV,1250Amps,	ABB(Technocrafts)
65	33KV SF6 Circuit Breaker	2008	33 KV,1250Amps,	ABB(Technocrafts)
66	33KV SF6 Circuit Breaker	2008	33 KV,1250Amps,	ABB(Technocrafts)

Accessories Details

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SR.	EQUIPMENT DESCRIPTION	YEAR OF MFG	CAPACITY	MAKE
	Ancillaries			
67	Chimney 44 mts, Derec supported, with silencer	2007	44 Mts height,750 mm dia -1 no and 900 mm dia 1 no	AA ENGG
68	Chimney 44 mts, Derec supported, with silencer	2008	44 Mts height, 900 mm dia 3 nos	AA ENGG
69	HFO Fuel Tank 400 KL	2007	400 KL	AA ENGG
70	HFO Fuel Tank 50 KL	2007	50 KL	AA ENGG
71	HFO Fuel Tank 30 KL	2008	30 KL	AA ENGG
72	HFO Fuel Tank 10 KL	2008	10 KL	AA ENGG
73	HFO Fuel Tank 10 KL	2007	10 KL	AA ENGG
74	HFO Sludge Fuel tank 5 KL	2007	5 KL	AA ENGG
75	Waste Lube oil water Tank 3 KL.	2007	3 KL	AA ENGG
76	Waste Lube oil water Tank 3 KL.	2008	3 KL	AA ENGG
77	HSD 990 LTS Day tank	2007	990 LTS	AA ENGG
78	HSD 990 LTS Day tank	2007	990 LTS	AA ENGG
79	HSD 990 LTS Day tank	2008	990 LTS	AA ENGG
80	HSD 990 LTS Day tank	2008	990 LTS	AA ENGG
81	MCC Elecrical Panels	2007	3 PHASE ,4 WIRE ,with multiple feeders	ACUONICS
82	MCC Elecrical Panels	2007	3 PHASE ,4 WIRE ,with multiple feeders	ACUONICS
83	MCC Elecrical Panels	2008	3 PHASE ,4 WIRE ,with multiple feeders	ACUONICS
84	MCC Elecrical Panels	2008	3 PHASE ,4 WIRE ,with multiple feeders	ACUONICS
85	Inductor Bank with Panel.	2008	1000 KVAR	VISA POWER
86	Air Filtration Unit 1	2007		
87	Air Filtration Unit 2	2007		
88	Air Filtration Unit 3	2008		
89	Air Filtration Unit 4	2008		
90	Air Filtration Unit 5	2008		
91	Radiator Fan Unit 1	2007		
92	Radiator Fan Unit 2	2007		
93	Radiator Fan Unit 3	2008		
94	Radiator Fan Unit 4	2008		
95	Radiator Fan Unit 5	2008		
96	Engine Spares	2013	Brand new & unused spares <i>Please refer to attached excel</i>	KIRLOSKAR

Thank You