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

1 No. 25 MW THERMAX/ SHIN NIPPON (2013) make, Coal basedComplete Condensing type Power Plant, having the Following Technical Specifications:

POWER PLANT INFORMATION:

1. The 25 MW Power Plant is designed to use steam coal as a fuel for 110 TPH Boiler. Steam Coal stored in Coal Yards (2 Nos.) is fed to Boiler through Coal handling plant (make-Bevcon) in which coal is crushed to size below 6 mm.In Boiler coal is stored in bunker having capacity of approx. 400 MT.Coal from bunker goes to furnace through Drag Chain feeders. The boiler used at site is a 110 TPH made in India by Thermax Ltd.

2. Boiler is supported by a Thermax make Electro static Precipitator (ESP) to control the particulate matter and smoke generated is led to ash to Ash Silos (2Nos. RCC,capacity-320 MT & 120 MT) from where it is loaded in trucks.

3. Boiler Auxiliaries include a DM water Plant (make -Get Water systems, capacity 27 M^3/Hr),Boiler Feed Pumps(make- KSB,flow 68TPH),FD (Forced Draft-2Nos),ID(Induced Draft-2 Nos.) and PA(Primary Air-2 Nos.) Fans.

4. Steam Produced in Boiler is led to a multi stage steam Turbine (make- Shinn Nippon machinery Co Ltd,Japan) which is coupled to a Turbo generator through a gear box and Coupling. The turbo Generator and its auxiliaries like lubricating system are housed in TG building. The entire operation of Power is controlled using a DCS control system (make -ABB) with different control panels,drives,systems & consoles.

5. The alternator in TG system generates power having generation voltage of 11 KV which is fed to grid through 220 KV switch yard (make -Areva) with the help of Generator transformer (make-Areva).

6. Utilities in the form of Air Compressors (make IR & Atlas Copco),water storage tanks, Air cooled condenser unit (make- Paharpur),Fire fighting system, etc. have also been provided in Power Plant.

TECHNICAL DETAILS:

SR No.	Description/List of Main Equipment of power plant	Make
1	AFBC, 110 TPH coal fired water tube boiler, Pressure-110 kg/Cm^2,steam Temperature-515˚C	Thermax Ltd
2	25 MW Steam turbine- impulse, Multistage, horizontal, axial flow, condensing, extraction-4Nos,I/L pressure-108 kg/Cm^2,I/L steam Temperature-510˚C	Shin Nippon machinery Co Ltd,Japan.
3	TG Gearbox Input speed 6227 rpm,Output speed-1500 RPM for driving generator	Seisa,japan
4	Generator-25 MW,50 Hz,1500 rpm	TDPS
5	Boiler feed Pumps 3 Nos,Flow-68TPH Pressure-150 kg/Cm^2,H-1594 Mtr,Temp-150˚C	KSB
6	Coal Handling Plant 110 TPH 6 Nos Belt Conveyor,2 Nos crusher	Bevcon wayors Pvt Ltd.
7	Air Cooled Condensor Unit 8 Nos fans	Paharpur Ltd
8	Ash Handling Plant Pneumatic type	Macawber Beakay Pvt Ltd.
9	DM Plant Capacity 27 M^3/Hr,2 Nos(6M^3/Hr) 1 No(15M^3/Hr)	Get water Solution Pvt Ltd.
10	RCC Ash Silos 1 No-320 MT,1 No-120 MT	
11	220 KV switch yard with generator transformer 220/11KV, 37.5 MVA YNd1,double wound,50 Hz	Areva
12	DCS	ABB
13	RCC Chimney 75 Mtrs Height	

BOILER DETAILS:

NUMBER & TYPE OF BOILER : **1 nos. AFBC, Natural Circulation, Single Drum, Top supported, Water tube, Balanced draft, suitable for semi outdoor installation, with under bed fuel feeding system.**

1. DESIGN SPECIFICATIONS OF STEAM GENERATOR

PARAMETERS	UNIT	VALUE
Boiler Rating [MCR]	TPH	110
Steam Pressure at Main Steam Stop Valve Outlet from minimum Load upto MCR	$Kg/cm^2(a)$	112
Steam Temperature at the Main Steam Stop valve at MCR	Deg C	515 ± 5^0 C
Main Steam Temperature Control range at the Main Steam Stop Valve Outlet	% MCR	50 – 100
Feed Water Temperature at Economiser Inlet without HP heater	Deg C	170
Feed Water Temperature at HP heater outlet	Deg C	230
Flue Gas Temperature at APH Outlet	Deg C	175
Start Up Fuel for Coal		LDO
Fuel Firing Combination		• 100% Indian coal or • 100% Imported Coal **(Performance Fuel)**
Boiler Performance Testing Procedure		ASME PTC 4 Energy Balance Method

2 DESIGN CODE:- IBR 1950 WITH AMMENDMENTS UPTO 1995

Boiler & Economiser / Pressure Parts : As per IBR.

4 EVAPORATING HEATING SURFACE AREA

Zone	Unit	Value
Furnace Panels, Evaporator & Conv. bank	Sq.Mtr	1801
Economiser	Sq.Mtr	1971
Total Heating Surface	**Sq.Mtr**	**3772**
Super Heater (Primary SH & Secondary SH)	Sq.Mtr	1735

5 FUEL

a) Main Fuels : Indian Coal & Imported Coal

b) Start up Fuel : LDO

6 FUEL ANALYSIS (% BY WT)

6.1 Ultimate Analysis

Composition	Unit	Indian Coal	Imported Coal
Hydrogen	%	2.80	3.00
Carbon	%	34.30	41.20
Nitrogen	%	0.90	0.80
Oxygen	%	6.40	9.50
Moisture	%	11.00	10.00
Ash	%	44.00	35.00
Sulphur	%	0.70	0.50
Calorific Value (GCV)	**Kcal/kg**	**3400**	**4000**

6.2 Fuel Size

100 % : < 6 mm
6 – 10mm : 20% Max
Fines around 35 % (Max.) : < 1 mm

17 BOILER FEED WATER PUMP

Make : KSB		
Description	**Unit**	**Parameter**
Pump Type & Size	-	HGC 3 – 14
No of Stages	-	14
Liquid	-	Boiler Feed Water
Temperature	Deg C	150.5
Specific Gravity	-	0.9169
NPSH pump/plant	M	3.9
Vapour Pr	Kg/cm^2	4.87
Rated Flow	M^3/hr	68
Minimum Flow	M^3/hr	23
Rated Head	M	1594
Differential Pressure	Kg/cm^2	146.15
Normal speed	Rpm	2950
Direction of Rotation		CW seen from Drive End
Shut off head	M	1700
Nominal Efficiency	%	66.2
Bearing Lubrication		Ring Oil
Shaft Seal; Type & Size		Mechanical Seal/SBPO/E 45 EF VEE
Coupling		Make-Rathi; Gear Type Spacer
Motor		ABB;480 KW, ABB MAKE

PLEASE REFER VENDOR OPERATION INSTRUCTION & MAINTENANCE MANUAL FOR DETAILS.

18 HP & LP DOZING PUMPS

Make : Metapow Industries Pvt Ltd
Drg no : A-1123 & A -1122

Description	HP	LP
Pumps		
Make	Metapow Industries	Metapow Industries
Type	Reciprocating Plunger	Reciprocating Plunger
Flow	0–10 LPH by Stroke Adjustment	0-7.5 LPH By Stroke Adjustment
Discharge pressure	140kg/cm^2 g (Design)	8 kg/cm^2 g (Design)
	123 Kg/cm^2 g (Normal)	7 Kg/cm^2 g (Normal)
Relief valve set pressure	154 kg/cm^2 g	9.5 kg/cm^2 g
Motor for Dosing Pumps		
Make	Crompton	Crompton
Type	1 HP, AC, 415 V, 50 Hz, IP55 Flanged Mounted.	3 Ph, AC, 415 V, 50 Hz, IP55 Flanged Mounted.
Rating	1 HP / 1500 rpm	0.5 HP / 1500 rpm
Motor for agitator		
Make	Crompton	Compton
Type	1 HP, 415 v, 50 Hz ac	0.5 HP, 415 v, 50 Hz ac
Rating	1 HP / 1000 rpm	0.5 HP / 750 rpm
Storage working Volume	300 litres	150 litres

19 DRAG CHAIN FEEDERS (FOR UNDERBED FEEDING)

Make – Rosmic India Engineering Coorporation.
Refer– G.A for Drag Chain Feeder. Drg No : 900111R102

Description	Drag chain Feeder
Capacity	See Table Below
Material Used	Indian Coal
Conveyor rpm/Speed	0 to 6.27rpm / 0.0803 m/sec
Geared Motor (3 Phase, 415 V & 50 Hz)	2.2 k.W with Variable Frequency Drive.
Chain	76.2 mm Pitch, Pin Bush
Drive Sprocket	38 nos. teeth/3.4" P Duplex
Driven Sprocket	45 nos. teeth/3.4" P Duplex
Head Side Brg; P. Block	BRG.No 22213K+H313, SN-513
Tail Side Brg; P. Block	BRG.No 22213K+H313, SN-513

Boiler ID,FD & PA Fan Details

Sr.No:	FANS DETAILS	I D Fan No:1 & 2	F D Fan No:1 & 2	P A Fan No:1 & 2
1	Make	Flakt woods (india ltd)	Flakt woods (india ltd)	Flakt woods (india ltd)
2	Capacity	39.7 m3 /sec	23.2 m3 /sec	8.5 m3 /sec
3	Inlet Static Pressure	Below 200 mmwc	Below 25 mmwc	600 mmwc
4	Outlet Static Pressure	0	845 mmwc	1450 mmwc
5	Total Static Pressure	200 mmc	870 mmwc	
6	Total Pressure	222.7 mmwc	945 mmwc	754 mmwc
7	Operating Temp.	155 deg.	50 deg.	206 deg.
8	Density	0.781 kg/cm2	1057 kg/cm2	0.757 kg/cm2
9	Fan Speed	980 rpm	1488 rpm	1485
10	Critical Speed	1450 rpm	2086 rpm	
11	Absorved Power	119 kw	241 kw	
12	Efficiency	77.30%	86.50%	88%
13	Damper Stroke Length	305 mm	305 mm	
14	Impeller Dia. & Width	1753 & mm	1703 & 395 mm	
15	Tip Speed	90 m/sec.	140 m/sec.	
16	Bearing	22224 CK	22224 CK	22314
17	Bearing Housing	SN 524	SN 524	Free SOFN 314 BL
				Fixed SOFN 314 BN
18	Bearing Sleeve	H 3124	H 3124	
19	Coupling	GRC- 324	GRC- 336	110 Z
20	Coupling Type	Resilient grid coupling	Resilient grid coupling	Resilient grid coupling
21	Coupling Make	Flexocon with cover	Flexocon with cover	Fenner
	MOTOR DETAILS			
1	Make	SIEMENS	SIEMENS	SIEMENS
2	Kw / Hp	132	300 / 400	132
3	Frame Size	355 L	355 L	315 M
4	Type	ISE0- 356-6	1 LA8355 -4	1LA0314- 4YA80-Z
5	No:	N8 / 64408392	N8 / 64407031	N8 / 64400601
6	Efficiency	95.70%	96%	95%
7	Bearing DE / NDE	6322 C3 / 6322 M	6220 C3 / 6322 M	6319 C3 / 6319 C3
8	RPM	992 rpm	1488 rpm	1485 rpm

TURBINE DETAILS:

1. SPECIFICATION OF STEAM TURBINE AND ACCESSORIES

1-1. Type of Steam Turbine :

Type :	:	Horizontal, impulse, multi-stage multi-valve, axial flow, condensing, extraction, geared. (Axial exhaust type)
Manufacturer's model No.	:	C8-R14-ERLX

1-2. Output :

Rated output : (at generator terminal)	:	25,000	kW

1-3. Operating Conditions :

Speed (turbine/generator)	:	6227/1500	rpm
Inlet steam pressure	:	108	kg/cm2A
Inlet steam temperature	:	510	deg. C
Exhaust steam pressure	:	0.2	kg/cm2A
Max. 1st Extraction pressure Un-Controlled Extraction	:	32.5 at turbine nozzle	kg/cm2A
Max. 2nd Extraction pressure Un-Controlled Extraction	:	15.5 at turbine nozzle	kg/cm2A
Max. 3rd Extraction pressure Un-Controlled Extraction	:	5.50 at turbine nozzle	kg/cm2A
Max. 4th Extraction pressure Un-Controlled Extraction	:	3.55 at turbine nozzle	kg/cm2A
Max. Inlet flow	:	104.40	t/h
1st Extraction flow	:	0 & 2.5 to 13.93	t/h
2nd Extraction flow	:	0 & 2 to 6.71	t/h
3rd Extraction flow	:	0 & 1.3 to 3.44	t/h
4th Extraction flow	:	0 & 3.6 to 12.13	t/h
Max. Exhaust steam flow	:	80.78 at 0.2	t/h kg/cm2A

OPERATION CASE			CASE-1	CASE-2 HP HEATER-1, 2 OFF	CASE-3 50% LOAD	CASE-4 HP HEATER-1, 2 OFF 50% LOAD	CASE-5 70% LOAD
Inlet steam							
Pressure	(ata)		108	108	108	108	108
Temperature	(deg.C)		510	510	510	510	510
Flow	(t/h)		104.40	96.35	54.80	51.00	74.70
1st Extraction	(Un-Controlled Extraction) at turbine nozzle						
Pressure	(ata)		32.05	32.31	16.98	17.12	22.96
Temp	(deg.C)		357	364	316	317	335
Extraction flow	(t/h)		8.21	0	3.51	0	5.25
2nd Extraction	(Un-Controlled Extraction) at turbine nozzle						
Pressure	(ata)		14.55	15.50	7.81	8.23	10.49
Temp	(deg.C)		270	282	237	242	253
Extraction flow	(t/h)		6.71	0	2.93	0	4.35
3rd Extraction	(Un-Controlled Extraction) at turbine nozzle						
Pressure	(ata)		5.18	5.50	2.84	2.98	3.78
Temp	(deg.C)		167	178	143	147	155
Extraction flow	(t/h)		2.95	3.44	1.35	1.54	1.97
4th Extraction	(Un-Controlled Extraction) at turbine nozzle						
Pressure	(ata)		3.35	3.55	1.88	1.97	2.47
Temp	(deg.C)		137	140	118	119	126
Extraction flow	(t/h)		11.06	12.13	4.32	4.69	6.87
Exhaust press	(ata)		0.2	0.2	0.2	0.2	0.2
Exhaust temp	(deg.C)		59.66	59.66	59.66	59.66	59.7
Gland leakage	(t/h)	*App.*	0.1	0.1	0.1	0.1	0.1
Exhaust flow	(t/h)	*App.*	75.37	80.68	42.59	44.67	56.16
Generator power	(KW)		25,000	25,000	12,500	12,500	17,500

REMARKS

1. Guarantee Point: Case-1
2. The measured steam consumption figures are subject to a tolerance margin of ±2.5% for instrumentation and human errors.

OPERATION CASE			CASE-6 HP HEATER-1 OFF	CASE-7 HP HEATER-2 OFF	CASE-8 HP HEATER-1 OFF 50% LOAD	CASE-9 HP HEATER-2 OFF 50% LOAD	
Inlet steam							
Pressure	(ata)		108	108	108	108	
Temperature	(deg.C)		510	510	510	510	
Flow	(t/h)		104.40	96.35	55.00	52.60	
1st Extraction	(Un-Controlled Extraction) at turbine nozzle						
Pressure	(ata)		32.32	31.82	16.4	17.43	
Temp	(deg.C)		353	362	313	318	
Extraction flow	(t/h)		13.93	0	6.11	0	
2nd Extraction	(Un-Controlled Extraction) at turbine nozzle						
Pressure	(ata)		14.56	14.43	7.89	8.00	
Temp	(deg.C)		273	276	238	234	
Extraction flow	(t/h)		0	6.68	0	3.03	
3rd Extraction	(Un-Controlled Extraction) at turbine nozzle						
Pressure	(ata)		5.19	5.14	2.86	2.9	
Temp	(deg.C)		171	173	144	144	
Extraction flow	(t/h)		2.99	3.05	1.38	1.45	
4th Extraction	(Un-Controlled Extraction) at turbine nozzle						
Pressure	(ata)		3.35	3.32	1.9	1.92	
Temp	(deg.C)		137	136	118	118	
Extraction flow	(t/h)		11.06	10.97	4.4	4.49	
Exhaust press	(ata)		0.2	0.2	0.2	0.2	
Exhaust temp	(deg.C)		59.66	59.66	59.66	59.66	
Gland leakage	(t/h)	*App.*	0.1	0.1	0.1	0.1	
Exhaust flow	(t/h)	*App.*	76.23	75.55	43.01	43.53	
Generator power	(KW)		24,600	24,000	12,500	12,500	

REMARKS

1. Guarantee Point: Case1
2. The measured steam consumption figures are subject to a tolerance margin of ±2.5% for instrumentation and human errors.

1-4. Direction of Rotation : (Viewed from Generator to Turbine / Axial Exhaust Steam Turbine)

Steam turbine	:	C.W.
Generator	:	C.C.W.

1-5. Lubrication, Governor and control oil :

Type of lubrication	:	Forced lubrication
Lubrication oil pressure	:	1.0 kg/cm2.G
Control oil pressure	:	14.0 kg/cm2.G
Normal required oil flow		
Lube and trip oil	:	792 Lit/min
Control oil	:	50 Lit/min
Kind of oil	:	Turbine oil ISO VG46

1-6. Mechanical Design Condition :

Inlet steam section	:	124 kg/cm2.G	540	deg C
1st Extraction steam section	:	35.0 kg/cm2.G	390	deg C
2nd Extraction steam section	:	18.0 kg/cm2.G	320	deg C
3rd Extraction steam section	:	7.0 kg/cm2.G	220	deg C
4th Extraction steam section	:	5.0 kg/cm2.G	200	deg C
Exhaust steam section	:	0.90 kg/cm2.G&F.V.	180	deg C
Cooling water section	:	5.0 kg/cm2.G	80	deg C
Instrument air section	:	9.90 kg/cm2.G	50	deg C
Aux. steam (Sealing header) section	:	14.97 kg/cm2.G	380	deg C

1-7. Flange Size

				Nozzle orientation (Viewed from Turbine to Condenser)	
Steam inlet nozzle	:	200 mm	(8 inch)	RIGHT SIDE	(ASME 2500 Lb)
1st Extraction nozzle connection	:	80 mm	(3 inch)	RIGHT SIDE	(ASME 300 Lb)
2nd Extraction nozzle connection	:	80 mm	(3 inch)	RIGHT SIDE	(ASME 300 Lb)
3rd Extraction nozzle connection	:	100 mm	(4 inch)	RIGHT SIDE	(ASME 150 Lb)
4th Extraction nozzle connection	:	200 mm	(8 inch)	UPPER	(ASME 150 Lb)
Exhaust nozzle	:	1600 mm	(64 inch)	AXIAL	(ISO PN2.5)

1-8. Approximate Weight (Dry) :

Steam turbine with soleplate	:	App. 34000 kg
R. Gear with sole plate	:	App. 14000 kg
Oil unit	:	App. 12000 kg
Others	:	App. 5000 kg

1-9. Reduction Gear

Type	:	Horizontal, Single reduction. Double helical gear type
Service factor	:	AGMA 1.3 (AGMA 421)
Applied standards	:	JIS , AGMA
Quantity	:	One (1) set / One unit

1-10. Emergency Stop Valve

Type	:	Oil pressure operated type with steam strainer and limit switch for indication of closed position.
Quantity	:	One (1) set / One unit

1-11. Journal Bearing

Type	:	Tilting Pad type, forced lubricated
Quantity	:	Two(2) sets / One init

1-12. Thrust Bearing

Type	:	Multi-segment tilting pad type , combined with coupling side jurnal bearing (Kingsbury type)
Quantity	:	One (1) set / one unit (Double side)

1-13. Speed Governor

Type	:	Electro-Hydraulic Governor
Model No./Mfr name	:	505 / WOOD WARD (Single CPU)
Adjustable speed range	:	105-95% of rated speed (109% Max speed limit)
Speed regulation	:	4% as droop
NEMA CLASS	:	D

1-14. Overspeed Governor

Type	:	Electric signal from governor & 2 out of 3 voting electrical type (Wood Ward Protech GII)
Tripping speed	:	114 % of rated speed (Elec. By Governor) 115 % of rated speed (Electrical 2 out of 3)
Quantity	:	One (1) set / One unit

1-15. Governing valve :

Type	:	Bar lift and MULTI VALVE
Quantity	:	1 / One unit

1-16. Insulation and Jacketing

Turbine casing and emergency stop valve are insulated and jacketed to maintain jacket temperature below 75 deg C.

1-17. Coupling :

Coupling between turbine and R/gear	:	Flexible type
Coupling between R/gear and generator	:	Flexible type (Oil contained gear type)

1-18. Sole plate

Type		
for Steam turbine	:	Soleplate
for Reduction gear	:	Soleplate
for Genarator	:	Soleplate

1-19. Turning Device

Type	:	Electric(AC) motor driven, Combined of Cyclo & Bevel Gear or worm gear reduction, automatic engage and automatic disengagement.
Motor rating	:	Refer to attached utility list
Quantity	:	One (1) set / One unit

1-20. Oil Reservoir

Type	:	Steel plate fabricated type
Full capacity	:	3 minutes of normal required flow at least
Quantity	:	One (1) set / One unit

Reservoir is furnished with oil level indicator, drain valve, oil charging nozzle, gas vent fan (1x100%).

1-21. Main Lube Oil Pump

Type	:	Screw type ,driven by the AC motor.
Capacity	:	1.1 times of required lube oil flow, as minimum.
Discharge pressure	:	6.9 kg/cm2.G
Motor rating	:	Refer to attached utility list
Quantity	:	One (1) set / One unit

1-22. Auxiliary Lube Oil Pump

Type	:	Screw type ,driven by the AC motor.
Capacity	:	1.1 times of required lube oil flow, as minimum.
Discharge pressure	:	6.9 kg/cm2.G
Motor rating	:	Refer to attached utility list
Quantity	:	One (1) set / One unit

1-23. Main Control Oil Pump

Type	:	Screw type, driven by AC electric motor
Capacity	:	1.1 times required lube oil flow, as minimum.
Discharge pressure	:	15.9 kg/cm2.G
Motor rating	:	Refer to attached utility list
Quantity	:	1 set / One unit

1-24. Auxiliary Control Oil Pump

Type	:	Screw type driven by AC electric motor
Capacity	:	1.1 times required lube oil flow, as minimum.
Discharge pressure	:	15.9 kg/cm2.G
Motor rating	:	Refer to attached utility list
Quantity		1 set / One unit

1-25. Emergency Oil Pump

Type	:	Gear type mounted on oil reservoir and driven by DC electric motor
Quantity	:	One (1) set / One unit

1-26. Oil Cooler

Type	:	Shell and tube type
Cooling water - Kind	:	Cooling tower water
- Quantity	:	Refer to attached utility list
- Fouling factor	:	0.0002 m2h°C/kcal
Cooling Surface	:	120% of required area (20% of tube plugging margin)
Quantity	:	Two (2) sets / One unit

1-27. Lube Oil Filter

Type	:	Duplex with change-over lever
Filtration	:	40 micron
Quantity	:	One (1) set / One unit (twin element)

1-28. Control Oil Filter

Type	:	Duplex with change-over lever
Filtration	:	10 micron
Quantity	:	One (1) set / One unit (twin element)

1-29. Oil Pressure Adjusting Valve

Type	:	Self acting type	
Setting pressure			
-Lube oil	:	1	kg/cm2.G
-Trip oil	:	4	kg/cm2.G
-Control oil	:	14	kg/cm2.G
Quantity	:	1 lot	/ One unit

1-30. Gland Steam Condenser
(Cleanliness factor : 85%)

Type	:	Shell and tube, fixed tube sheet type with AC motor driven exhaust fan
Cooling water - Kind	:	Condensate Water
- Quantity		Refer to attached utility list
Cooling Surface	:	100% of required area
Quantity - exhaust fan	:	1 set(s)/one unit
- condenser	:	1 set(s)/one unit

ACC DETAILS:

ACC Fan Details & Specification		
Sr. No:	Fan Details 8 NOS.	
1	Make	PAHARPUR Cooling Tower ltd.
2	Item No:	5
3	Sr.No:	10.1.0028
4	Code	API - 661 ASME SEC VIII Div.-1
5	Design Pressure	0.5 kg/cm2
6	Test Pressure	1.3 kg/cm2
7	Design Temp.	120 deg.
8	Operating Fluid	Steam
9	Corrosion Allowances	1.5 mm
	Motor Details:	
1	Make	MERATHON ELECTRICALS LTD
2	Sr.No:	
3	Type	
4	Frame Size	VP 2305
5	KW / HP	75 / 100
6	Current	128 amps
7	Efficiency	93%
8	speed	1480 rpm
9	Bearing DE / NDE	6317 / 6314

PHOTOGRAPHS:

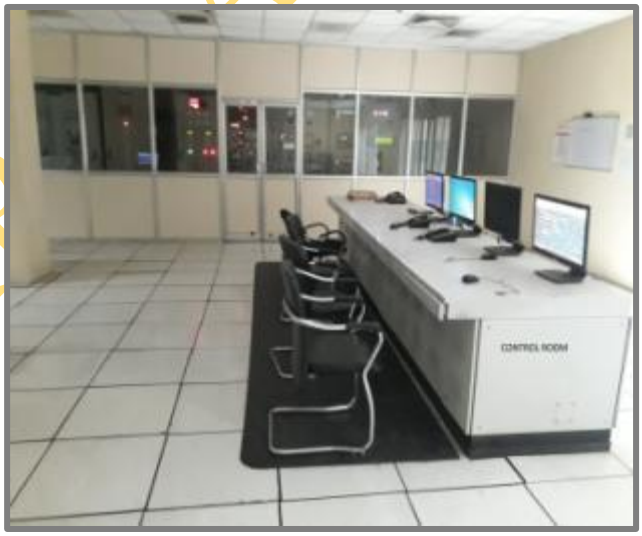

CRUSHER
HOUSE

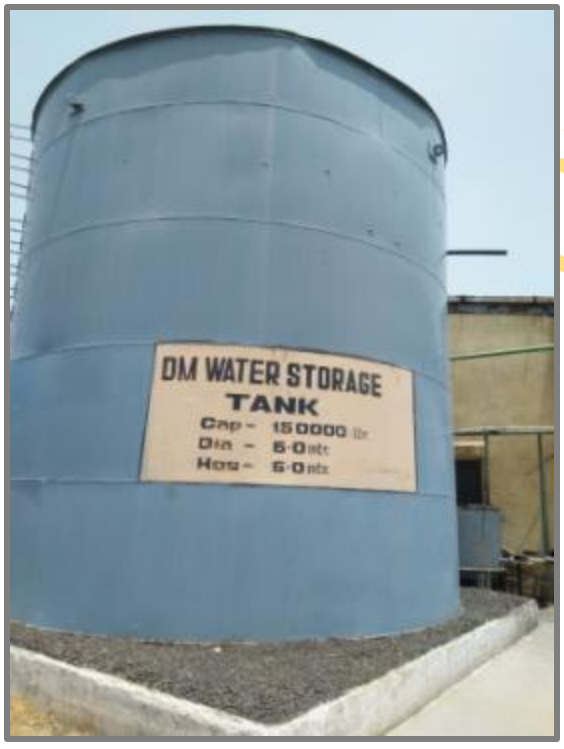

ACC UNIT (8
NOs FANS)


DM PLANT
CAPACITY-27 Cu. M


MAIN
TRANSFORME


220 Kv Switch yard




DM WATER STORAGE
TANK