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THE FOLLOWING GAS ENGINE GENERATOR SETS ARE AVAILABLE FOR SALE WITH US WITH IMMEDIATE DELIVERY:

2 Nos. 2.75 MW & 1 No. 2.5 MW CATERPILLAR make Gas Engine Generator sets, having the Following Technical Specifications:

TECHNICAL DETAILS:

Equipment	Details	Model	Make	Capacity	Type
Natural Gas Engine(1)	12 cylinder, V type Natural Gas Engine, 1000 RPM	G3612	Caterpillar	3481 HP	Indoor
Alternator	11KV,164A		Kato	2500 KW, 3125 KVA	Indoor
AC/OC Motor	3 Phase induction motor	3 MOTMG 16	Grundfos	15KW/20HP	Outdoor
AC/OC Pump	Centrifugal Pump	B99659951P1	Grundfos	115M3/HR	Outdoor
Radiator cooling system	Shell & Tube type forced draft cooling system		GEA Energy	LT Fluid flow: 1,23,000 Kg/hr, HT Fluid flow: 1,44,000 Kg/hr	Outdoor
Radiator fan motor 1	415V, 51A, 1475 RPM, S1, IP55	YGAM0879	Crompton Greaves	40HP	Outdoor
Radiator fan motor 2	415V, 51A, 1475 RPM, S1, IP55	YGAM0880	Crompton Greaves	40HP	Outdoor
Natural Gas Engine (3)	12 cylinder, V type Natural Gas Engine,1000 RPM	G3612	Caterpillar	3787HP	Indoor
Alternator	11 KV, 180A		KATO	2740 KW, 3425 kVA	Indoor
AC/OC Pump	Centrifugal pump, Q=115Cu.M/Hr.	B99659951P1	Grundfos	80M3/HR	Outdoor

AC/OC Motor	3 Phase, Squirrel cage Induction motor	B 97904512P1	Grundfos	15HP	Outdoor
Radiator cooling system	Shell & Tube type forced draft cooling system		GEA Energy	LT Fluid flow: 1,23,000 Kg/hr, HT Fluid flow: 1,44,000 Kg/hr	Outdoor
Radiator fan motor 1	3 Phase, Squirrel cage Induction motor		Crompton Gre	40 HP	Outdoor
Radiator fan motor 2	3Phase, Squirrel cage Induction motor		Crompton Gre	40 HP	Outdoor
Natural Gas Engine (4)	12 cylinder, V type Natural Gas Engine, 1000 RPM	G3612	Caterpillar	3787 HP	Indoor
Alternator	11KV,180A		Kato	2740 KW, 3425 kVA	Indoor
AC/OC Pump	Centrifugal pump	B 97904512P1	Grundfos	80 M3/HR	Outdoor
AC/OC Motor	3 Phase, Squirrel cage Induction motor		ABB	15 HP	Outdoor
Radiator cooling system	Shell & Tube type induced draft Cooling system	FCW-360	International co	Il ltd	Outdoor
Radiator fan motor 1	3 Phase, Squirrel cage Induction motor		Crompton Gre	15 HP	Outdoor
Radiator fan motor 2	3 Phase, Squirrel cage Induction motor		Crompton Gre	15 HP	Outdoor
Radiator fan motor 3	3 Phase, Squirrel cage Induction motor		Crompton Gre	15 HP	Outdoor
Black start DG	4 Cylinder INLINE diesel Engine	NTC495G	CUMMINS	125 KVA	Indoor
VAM 3	Double effect Vapour absorption machine	ED2ODTHU	Thermax	178TR	Indoor
Vacuum Pump		IVP/T 108(M)	Indo Woosung	180LPM	Indoor
Vacuum pump	3 Phase, Squirrel	EB080054-03	Mehala machines		

motor	cage Induction motor		India pvt ltd	1Hp	Indoor
Cooling water pump	Centrifugal pump				
Cooling water pump motor		HX+160MLD2	ABB	20 HP	Outdoor
Radiator cooling system	Shell & Tube type induced draft Cooling system	FC 400/01	Thermax		Outdoor
Radiator fan motor 1	3 Phase, Squirrel cage Induction motor	Champion series	Siemens	15 KW	Outdoor
Radiator fan motor 2	3 Phase, Squirrel cage Induction motor	Champion series	Siemens	15 KW	Outdoor
VAM 4	Double effect Vapour absorption machine	ED2ODTHU	Thermax	178 TR	Indoor
Vacuum Pump		IVP/T 108(M)	Indo Woosung	180 LPM	Indoor
Vacuum pump motor	3 phase, squirrel cage Ind. motor	EB080054-03	Mehala machines India pvt ltd	1 Hp	Indoor
Cooling water pump	Centrifugal type				
Cooling water pump motor	3 phase, squirrel cage Ind. motor	HX+160MLD2	ABB	20 HP	Outdoor
Radiator cooling system	Shell & Tube type induced draft Cooling system	FC 400/01	Thermax		Outdoor
Radiator fan motor 1	3 phase, squirrel cage Ind. motor	Champion series	Siemens	15 KW	Outdoor
Radiator fan motor 2	3 phase, squirrel cage Ind. motor	Champion series	Siemens	15 KW	Outdoor
Ventilation Fan #1&2	Centrifugal type	GLLB-5-110-3-	ABB	90,000 m ³ /hr	Indoor
Ventilation Fan motor-1	3 phase, squirrel cage Ind. motor	HX200ML84	ABB	30KW	Indoor
Ventilation Fan motor-2	3 phase, squirrel cage Ind. motor	HX200ML84	ABB	30KW	Indoor
Ventilation Fan #3	Centrifugal type	GLLB-5-160-1-	ABB	1,80,000m ³ /	Indoor
Ventilation Fan motor-3	3 phase, squirrel cage Ind. motor	HX+225SMC4	ABB	45KW	Indoor
Air Compressor 1	3 Stage reciprocating compressor	15T2	Ingersollrand	31.3 CFM(886m ³ /min)	Indoor
Air Compressor 1	3 phase, squirrel cage Ind. motor	1LAO4Y470	Siemens	20HP	Indoor

Motor					
Air Compressor 2	3 Stage reciprocating compressor	15T2	Ingersollrand	31.3 CFM (886 m ³ /min)	Indoor
Air Compressor 2 Motor	3 phase, squirrel cage Ind. motor	1LAO4Y470	Siemens	20HP	Indoor
Service Air Compressor (El)	Single stage two cylinder, reciprocating compressor	SS/05/070	Elgi	15.64 CFM (26.58m ³ /hr)	Indoor
Gas Compressor-Booster	Single stage, double acting, 4 cylinder, Reciprocating. I/P pr.0.5 Kg/sq.cm. O/Ppr.4 Kg/sq.cm	1EHA4GT	Kirloskar pneumatic co, ltd	1256.3 Cu. M/Hr (40000SCMD)	Indoor
GAS Compressor Main Motor	3 phase, squirrel cage Ind. motor		Bharat Bijlee	125KW/170H	Indoor
Cooling water pump 1 (Mo)	3 phase, squirrel cage Ind. motor	MD10L213	Bharat Bijlee	5 HP	Indoor
Cooling water pump 2(Mo)	3 phase, squirrel cage Ind. motor	MD10L213	Bharat Bijlee	5 HP	Indoor
Cooling water pump 1	Centrifugal pump	MegaG40-16	KSB	25 m ³ /hr	Indoor
Cooling water pump 2	Centrifugal pump	MegaG40-16	KSB	25m ³ /hr	Indoor
Gas Compressor Radiator	Heat load/radiator 82.4 kw	94.110.724.00	Apollo Heate	241lpm	Indoor
Radiator Fan1 motor	3 phase, squirrel cage Ind. motor	M010L433	Bharat Bijlee	3 HP	Indoor
Radiator Fan 2 motor	3 phase, squirrel cage Ind. motor	M010L433	Bharat Bijlee	3 HP	Indoor
Radiator Fan 3 motor	3 phase, squirrel cage Ind. motor	M010L433	Bharat Bijlee	3 HP	Indoor
Heat exchanger (post cool)	Shell & Tube heat Exchanger (After cooler)	9411083500	United heat tr	1420 kg/hr (Ga)	Indoor
Heat exchanger (After cooler)	Shell & Tube heat Exchanger (Post cooler)	9411075000	United heat tr	1433 kg/hr (G)	Indoor
Cooling Tower	R P Square Cooling Tower	CCF-SQS-02	Classik		Outdoor
Exhaust fan 1	3 phase, squirrel cage Ind. motor	HX132SMC6K	ABB	5 HP	Indoor

Exhaust fan 2	3 phase, squirrel cage Ind. motor	HX132SMC6K	ABB	5 HP	Indoor
Exhaust fan 3	3 phase, squirrel cage Ind. motor	HX132SMC6K	ABB	5 HP	Indoor
Exhaust fan 4	3 phase, squirrel cage Ind. motor	HX132SMC6K	ABB	5 HP	Indoor
Exhaust fan 5	3 phase, squirrel cage Ind. motor	HX132SMC6K	ABB	5 HP	Indoor
Exhaust fan 6	3 phase, squirrel cage Ind. motor	HX132SMC6K	ABB	5 HP	Indoor
Exhaustfan7	3 phase, squirrel cage Ind. motor	SDF/121125175	Siemens	3 HP	Indoor
Exhaust fan 8	3 phase, squirrel cage Ind. motor	SDF/121125175	Siemens	3 HP	Indoor
Waste oil pump	Gear pump	RT-80	Delta Corpora	50l/min	Indoor
Waste oil pump motor	3 Phase induction motor	HX 90STDx	ABB	15 KW	Indoor
Deep well pump	Submersible	JRF09/10-1P	Texmo	1 HP	
Transformer 12.5 MVA	33 KV/ 11KV, 219/656 A		Transformers and Rectifiers India Ltd	12500 KVA	Outdoor
Transformer RTCC Panel			T&R		Indoor
Auxiliary Transformer 630 KV	11000/433V		Volt amp	630 KVA	Outdoor
Breaker #1 (SF6)	SF6 breaker – 2 Nos	HPA 12/1240	Asea brown b	11000 V/1250	Indoor
Breaker #1 (SF6)	SF 6 breaker -1 Nos	HPA 12/1240	Asea brown b	12000V/1250	Indoor
Breaker (VCB)	VCB#1	VD4-HPA12.1	Asea brown b	12000V/1250	Indoor
Breaker (VCB)	VCB#2	VD4-HPA12.1	Asea brown b	12000V/1250	Indoor
Breaker (VCB)	VCB#3	VD4-HPA12.1	Asea brown b	12000V/1250	Indoor
Breaker (VCB)	VCB#4	VD4-HPA12.1	Asea brown b	12000V/1250	Indoor
Breaker (VCB)	VCB#5	VD4-HPA12.1	Asea brown b	12000V/1250	Indoor
Breaker (VCB)	VCB 36 KV,OVB-VBF	DV36263170	Asea brown b	36000V/1600	Outdoor
Chimney1 & 2	Gas Engine Chimney		Gmm co	24000 mm He	Outdoor
Chimney 3	Gas Engine Chimney		Gmm co	30000 mm He	Outdoor
Gas Skid	Natural gas filtration skid	GJ1174	Nirmal	40000 Scmd	Outdoor
Post Filter	Natural gas filter		NIRMAL	6000-40000	Outdoor

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Gas Separator	Oil & gas separator	ASMESEC-VII	Sharnatheq ui	2000 LITERS	Outdoor
Control Desk-2 Nos	Dimninmm:1650H X1200LX1170D		Power control	Equipments	Indoor
Control Desk-1 No					
Relay panel	DEIF module & Relay Panel		Power control	Equipments	Indoor
33 KV Line Relay & Metering P	33 KV/110 V, 200/1A		Power control	Equipments	Sp
Relay & Metering Panel	Dimn.inmm:2075H x800Lx55D		Power control	Equipments	Indoor
SCADA PLC Panel			Fusion Electro	nic	Indoor
HTPanels-4Nos			Asea brown b	overi	Indoor
HTPanels-1Nos			Asea brown b	overi	Indoor
LAVT panels-2 Nos	12KV,10KAMOS A		Power control		Indoor
LAVTpanels- 1Nos	12KV,10KAMOS A,		Power control		Indoor
NGR Panel-2 Nos	41.20 hms/154 A/10sec, 11 KV		OHMARK cont	Rols Pvt Ltd.,	Indoor
NGR Panel-1 No	11KV		Power control		Indoor
LTDB panel-1 No			Power control		Indoor
MCC panel- New	440V,Current1000/ 250/A		Power control		Indoor
MCC panel-1 No					
EOT crane 5 ton (Old Engine H	5 Ton (SWL)Electric chain hoist, Total height of lift 8000 mm, Span 16800 mm, LT18000		Structures by M/s. Grip Engineers Pvt. Ltd., (in Year 1999).Hoist : Street crane co LTD.,(In Year 2021)	5T	Indoor
EOTcrane5ton(Semi)(New Engine hall)	5 Ton (SWL) Electric chain hoist, Total Hight of lift 8000 mm, Span 16800 mm, LT18000 (Longtravel		Indef	5T	Indoor

	function only by Manual)				
UPS (2 KVA) (Black color)	2 KVA /96 VDC Double conversion Online UPS	HPMAX2KVA	Numeric	2KVA/1800 W	Indoor
UPS (2 KVA)	2 KVA True online UPS	AMU061SN2	Numeric	2KVA	Indoor
UPS(3KVA)	2 X 3 KVA PRS (Parallel redendant system)	PRS	Novateur electrical & Digital system	3KVA	Indoor
Duct A/C #1	5.5 Ton Duct A/C	S-66PE11159	Panasonic	5.5T	Indoor
Duct A/C #1	5.5 Ton Duct A/C	U66PC1H89	Panasonic	5.5T	Indoor
SMPS	230V/110VDC,10 A		Gallant	110V/10A mp	Indoor
SMPS	230V/110VDC,10 A	VSP12010-OD	Aplab	120V/10am p	Indoor
SMPS	100-120V Ac/220- 240AC, Output 24V/41.7A	SE-1000-24	Mean well	41.7A	Indoor

SCOPE OF SUPPLY:

1. 2 x 2.75 MW Caterpillar Gas engine. Running Hrs 80,000
2. 1 x 2.5 MW Caterpillar Gas engine. Running Hrs 1,40,000.
3. Starting Air compressor unit two set.
4. Lube oil system.
5. Air intake Ventilation system,
6. Two Motors 40 HP & One motor 60 HP.
7. Air booster unit.
8. Air Receivers unit 3 set.
9. Radiator cooling system.
10. EOT Crane operation ok.
11. Exhaust system in chimney.
12. 11kv Breakers.
13. LAVT panel.
14. Auxiliary for Engine Drive panel.
15. ACB L&T Breakers.
16. 11 kV spare Breakers.
17. All mechanical and Electrical Tools and spares.
18. 33/11 kv switch yard HT sf 6 Breakers.
19. power Transformer 12.5 MVA and Auxiliary Transformer 6.30 MVA
20. Switch yard CT, PT LA all Accessories.
21. 180 kVA Black start DG

PHOTOS:

