

2 sets of Wartsila Gas Engine Power Plant for Sale.

Specification:

Wartsila Gas Engine Type: W20V34SG

Number: 2 sets (2 x 8.73 MW)

Make Year: 2005

Running hours: 35,000 to 40,000 hours.

Condition: Both engines along with alternators and other equipment's are in good condition and engines has a history of timely overhauling.

For purchase and other details please get in touch with our office.

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Gas Generators & auxiliary equipment's including WHRBs

Engines	Type : W20V34SG			
SPCE Sr. No	DESCRIPTION	UOM	QTY.	Remarks / Specs / Details
A	Power Generation			
A.1	Generating Set			
A.1.1	Engine			
	Gas Engine –Wartsila 8.73 MW. 750 rpm, 50 Hz, Type W20V34SG	No	2	1.SEPT.-2009 at 17367 hrs. 2. SEPT-2009 at 16873 hrs.

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A.1.2	Alternator			
	Alternator – ABB/6.6 KV	No	2	
	TYPE AMG 1120MP08 DSE, NO 4580965, YEAR 2005, OUTPUT : 10913 KVA, PHASE : 3, VOLTS : 6600, DUTY : S1, FREQ : 50, CONNECTION : Y SPEED : 750 (nr 900) RPM, INSULAT. CL : F (TEMP. CL F) CURRENT : 955 AMPS, POWER FACTOR : 0.8, IP : 23 AMBIENT : +50 DEG. CEN. IC : OA1, EXCIT : 61V DC, 8.0 A DC, IM : 1101			
A.1.3	Base Frame			
	Common Base Frame	No	2	
A.1.4	Elastic mounting			
	Flexible mounting	Lot	2	
A.1.5	Coupling			
	Flexible coupling	No	2	
	Flywheel guard	No	2	
A.1.6	Fixing Equipment			
	Vibracon elements	Lot	2	
A.1.7	Flexible connections			
	Flexible connections	Lot	2	
A.1.8	Maint. Platform			
	Maint. Platform for engine	Lot	2	
	Maint. Platforms between pipe modules	Lot	2	
A.2	Mechanical system			
A.2.1	Fuel Gas system			
	Gas regulating unit	No	2	
	Flow meter	No	2	
A.2.2	Lube oil system			
A.2.2.1	Engine Lube oil system			
	Lube oil cooler	No	2	Engine mounted
	Pre Lube pump set	No	2	Engine mounted
	Lube oil Filter	Lot	2	Engine mounted
	Thermostatic valve	No	2	Engine mounted
	Pipe module	No	2	
A.2.3	Compressed air system			
A.2.3.1	Starting air system			
	Starting air compressor unit	Lot	2	

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	Starting air bottle	No	2	
	Piping inside DG house	Lot	1	
A.2.3.2	Control & instrument air system			
	Instrument air compressor unit	No	1	
	Instrument air bottle	No	1	
	Piping inside DG house	Lot	1	
A.2.4	Cooling system			
A.2.4.1	Engine cooling system			
	Expansion vessel (S)	Nos.	4	
	Engine Auxiliary module	No	2	
	Preheating unit (electric heater – mounted on pipe module)	No	2	
	Thermostatic valve (mounted on pipe module)	No	2	
	Piping inside DG house	Lot	2	
A.2.4.2	Plant cooling system			
	Cooling water Radiator /without Base Structure.	Lot	2	Radiators with cooling fan total 30 Nos. fans installed, 15 Nos. for each GG set.
	Maintenance water tank	No	1	4000 L. capacity common for system
	Piping inside DG house	Lot	2	

A.2.5	Charge air system			
	Intake air filter (S)	Lot	2	
	Intake air silencer (S)	Lot	2	
	Intake air ducting (between engine & air filter (S)	Lot	2	
	Expansion bellow (S)	Nos.	4	
A.2.6	Exhaust gas system			
	Exhaust gas silencer (S)	No	2	
	Exhaust gas ducting /up to Diverting Damper	Lot	2	
	Exhaust bellows (double flexible – 4 Nos.)	Lot	2	
	Explosion vent	Lot	2	
A.2.7.2	PHE for heat recovery unit (Jacket water system)	No	2	

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A.3	Electrical system			
A.3.1	Main Switchgear (MV) 6.6 KV, double busbar panel having copper bus , 3000A,40KA/1 sec, ABB SF-6 breaker Model No. – HPA 12/ 1240 CF Manufacture year 2006, rated voltage – 12 KV, rated current – 1600 A, frequency – 50 Hz, insulation level – 28/75 KVp, short circuit breaking current- 40 KA rms, short circuit current duration – 1 Sec. , short circuit making current – 100 KA	Only 2 Nos Incommer panels		
	NGR	No	2	

A.3.2	LV system			
	Drive panel for radiator cooling system	No	2	
A.3.3	DC supply system			
1	24 DC battery charger and battery banks	No	1	
2	110 DC battery charger and battery bank	No	1	
A.3.4	Automation, monitoring & supervision	UOM	Qty.	
1	Control and supervision system (Basic)			
	DG control panels (CFC)	No	2	
	Common synchronizing panel (CFA)	No	2	
	Pipe module panel	No	2	
	Engine local control panel	No	2	
	Automation control and supervision system (Classic)			
	Operator's station	Lot	1	
	WOIS & WISE			
	Laser printer for reports and printing			
	UPS system			
	Cables/ Accessories			
	Set of control & instrumentation cables	Lot	1	

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