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

3 Nos. - 6 MW each, WARTSILA make, Type 18V32 HFO fired Generator Sets, having the following technical specifications:

TECHNICAL SPECIFICATIONS:

Engine			
	DG No.2	**DG No.3**	**DG No.6**
Package	**1**	**2**	**3**
Model	18V32D	18V32D	18V32 LN
Make	Wartsila	Wartsila	Wartsila
Capacity	6 MW	6 MW	6 MW
Year of Make	1995	1995	1999
Commissioning	1'st Aug,1997	1'st Aug,1997	10'th Jul,2000
Mountings	Flexible with Rubber Pads	Flexible with Rubber Pads	Flexible with Helical Springs
Frame	Split	Split	Common
Running Hours	58174	57459	48640
Last Overhaul	6-May-06	7-Feb-06	26-Nov-10
Running hours after last Overhaul	2650	5019	277
Fuel Consumption (kWh/Lit)	4.15	4.15	4.2
Lube Oil Consumption (gms/kWh)	0.9	0.9	0.6
Governor			
Model	PGG58	PGG58	PGEG58
Type	Hydraulic	Hydraulic	Electronic

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Make	Woodward	Woodward	Woodward
Drive shaft RPM	853-1022	853-1022	853-1022
Turbocharger			
Model	VTR 354P-11	VTR 354P-11	VTR 354P-11
Make	ABB, Finland	ABB, Finland	ABB, Finland
Alternator			
Type	Cylindrical Rotor Synchronous gen. with Brushless Excitor		AMG0900XS08D SEA
Make	BHEL, Bhopal	BHEL, Bhopal	ABB, Finland
kVA	7500	7500	7525
kW	6000	6000	6020
Speed	750 RPM	750 RPM	750 RPM
P.F.	0.8 lag	0.8 lag	0.8 lag
Stator Voltage	6600V	6600V	6600V
Stator Amp	656	656	658
Duty	Continuous	Continuous	Continuous
Exc. Voltage	225	225	-
Exc. Amp	350	350	-
Weight (kg)	33500	33500	22300
Amb. Temp. (Deg. C)	50	50	50
Protection Class	IP23	IP23	IP23
Brushless Excitor			
Make	BHEL, Bhopal	BHEL, Bhopal	ABB, Finland
Power in kW	71	71	In-Built
Exc. Amp	4.3	4.3	
Exc. Voltage	148	148	
Connection	Star	Star	
Volt	215	215	
Amp	330	330	
RPM	750	750	
Hz	75	75	

Auxiliaries			
Fuel Oil System **HFO Unloading Skid (1 No.)**			
	DG No.2	**DG No.3**	**DG No.6**
Pump (2)			
Make	Prakash Ind.Vapi, Gujrat		
Model	SB-450		
Pressure	100 psi		
Flow	450 ltrs/min		

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Motor (2)	6 MW		
Make	Crompton Greaves		
Model	AEJ 98935		
Power (kW)	5.5		
RPM	710		
HFO Transfer Skid (2 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Pump (4)			
Make		IMO, Sweden	IMO, Sweden
Model		ACE038K2NTBP	ACE032N2NTBP
Motor (4)			
Make		Crompton Greaves	Bharat Bijlee Ltd
Model		DVJ/JD4231	ILA3044-4
Power (kW)		3.7	1.1
RPM		2850	1415
Heater (4)			
Make		Rarechem Ind.	AALBORG
Model		Inune Vertical	Vesta EO24
Volume		-	0.036 cubic.mtr
Pressure		15 Bar	10 Bar
Temp		-	150 Deg. C
Power (kW)		54	24
Fuel Oil Separator (2 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Separator (2)			
Make	Alfa Laval, Sweden	Alfa Laval, Sweden	
Model	WHPX-410-TGD-20	WHPX-410-TGD-20	
Controller	EPC-41	EPC-41	
Temp. Controller	Yes	Yes	
Temp. Controller Make	Radix	Radix	
Pump (2)			
Make	Alekton	Alekton	
Model	AV 240-800-2	AV 240-800-2	
Heater (1)	-		
Power (kW)	120		
HFO Feeder System (1No)			

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	DG No.2	DG No.3	DG No.6
Pump (2)			
Make			IMO, Sweden
Model			ACE025N2NTBP
Motor (4)			
Make			Bharat Bijlee
Model			1LA4 036-2
Power (kW)			1.1
RPM			2840
HFO Booster Skid (1 No)			
	DG No.2	**DG No.3**	**DG No.6**
Pump (2)			
Make			IMO, Sweden
Model			ACE032N2NTBP
Motor (2)			
Make			Bharat Bijlee Ltd
Power (kW)			2.2
Heater (2)			
Power (kW)			30
Visco Controller			Yes
Make			Mar-In Controls
Motor kW			0.12
Temp. Controller			Yes
Make			Ashe
Fuel Oil Filter (3 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Make	FINN	FINN	FINN
Model	FFP-3053OE	FFP-3053OE	FFP-3053OE
Primary Filter	15 micron	15 micron	15 micron
Secondary Filter	40 micron	40 micron	40 micron
LFO Transfer Skid (1 No)			
	DG No.2	**DG No.3**	**DG No.6**
Pump (1)			
Make	IMO, Sweden		
Model	ACE038N1IVBO		
Motor (1)			
Make	Bharat Bijlee		
Model	BEC3F213713DVJ		

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Power (kW)	2.2		
RPM	2830		
Lub Oil System Pre Lub Pump (3 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Pump (3)			
Make	IMO, Sweden	IMO, Sweden	IMO, Sweden
Model	ACG070K5IVB	ACG070K5IVB	ACG070K5IVB
Motor (3)			
Make	Crompton Greaves	Crompton Greaves	Crompton Greaves
Power (kW)	15	15	15
Lub Oil Filter (3 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Make	FINN	FINN	Wartsila Diesel Finland
Model	FFP 32040	FFP 32040	471230
Primary Filter	15 micron	15 micron	15 micron
Secondary Filter	40 micron	40 micron	40 micron
Lub Oil Separator (3 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Make	Alfa Laval, Sweden	Alfa Laval, Sweden	Alfa Laval, Sweden
Model	MOPX 207 SGT 24	MOPX 207 SGT 24	MOPX 207 SGT 24
Max. Speed (RPM)	6321	6321	6321
Motor RPM	1440	1440	1440
Heater kW	60	60	60
Controller	DCU-41X	DCU-41	DCU-41
Compressed Air System (1 No)			
	DG No.2	**DG No.3**	**DG No.6**
Make			Ingersoll Rand
Model			7T2
Air Bottle (3)			6321
Capacity	1 cubic mtr	1 cubic mtr	1 cubic mtr

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Nozzle Temperature Control System (1 No)			
	DG No.2	**DG No.3**	**DG No.6**
Pump (2)			
Make			IMO, Sweden
Model			ACE032N2NTBP
Motor (2)			
Make			Bharat Bijlee Ltd
Power (kW)			1.1
Heater (2)			
Make			Kantilal Heaters
Power (kW)			12
Plate Heat Exchanger			
	DG No.2	**DG No.3**	**DG No.6**
HT PHE			
Type	AK20FM	AK20FM	M15BFM8
Max. Temp (Deg. C)	100	100	100
Pressure (Bar)	10	10	10
Pack Length (mm)	210	210	747
LT PHE			
Pack Length (mm)	475	475	
LO PHE	100	100	100
Pack Length (mm)	567	567	
LT & LO PHE			
Pack Length (mm)			354
Cooling Tower (3 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Make	Paharpur	Paharpur	Paharpur
Type	376-102	376-102	457-201
Pressurisation & Ventilation System (3 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Make	Flakt India	Flakt India	Flakt India
Charge Air Filters (3 Nos)			
	DG No.2	**DG No.3**	**DG No.6**
Make	Flakt India	Flakt India	ABB

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9) Electrical System for DG NO.2 & 3
a) Relay & Control Panel (Masstek)
b) AVR Panel (BHEL, Bhopal)
c) HTPT Panel
d) Engine MCC
e) NGR Panel

For DG No.6
a) Relay & Control Panel including AVR (ABB, Finland)
b) NGR Panel

10) Exhaust System (3 Nos)
a) Exhaust Gas Silencer
b) Chimney (58 meter)
c) Accompanied ducting

Following information of DG		
1	**Total working Hours DG wise**	
	DG-2	60824
	DG-3	62477
	DG-6	48917
2	**Position of Load Trial and to what extent.**	90%
3	**Availability of Special Tools & Tackles & Spares etc.**	- Tools & Tackles 1 Set available - Spares list attached.
5	**Log sheet, Maintenance & overhaul record**	Daily log sheet is Maintained
	DG#2	6-May-06
		Running Hrs- 58174
		After O/H Running Hrs- 2650
	DG#3	7-Feb-06
		Running Hrs- 57459
		After O/H Running Hrs- 5019
	DG#6	26-Nov-10
		Running Hrs- 48640
		After O/H Running Hrs- 277

Spare Parts DG- 2&3		
Sr.no	**Part Name**	**Qty**
1	BIG END BEARING SHELL UPPER- 111004	12

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2	BIG END BEARING SHELL LOWER-111005	12
3	PISTON SET RING 113013	17
4	PISTON-113025, (A-P) 3+1 (MAHLE)	10
5	MAIN BEARING SHELL UPPER-100096	13
6	MAIN BEARING SHELL LOWER-100097	13
7	7 T2 Air Compressor Make ingersoll-rand	1
8	Booster unit	1
9	MOPX 207 Luboil Separator	2
10	500 KL Storage Tank	1
11	50 KL Settling tank	1
12	50 KL Day tank	1

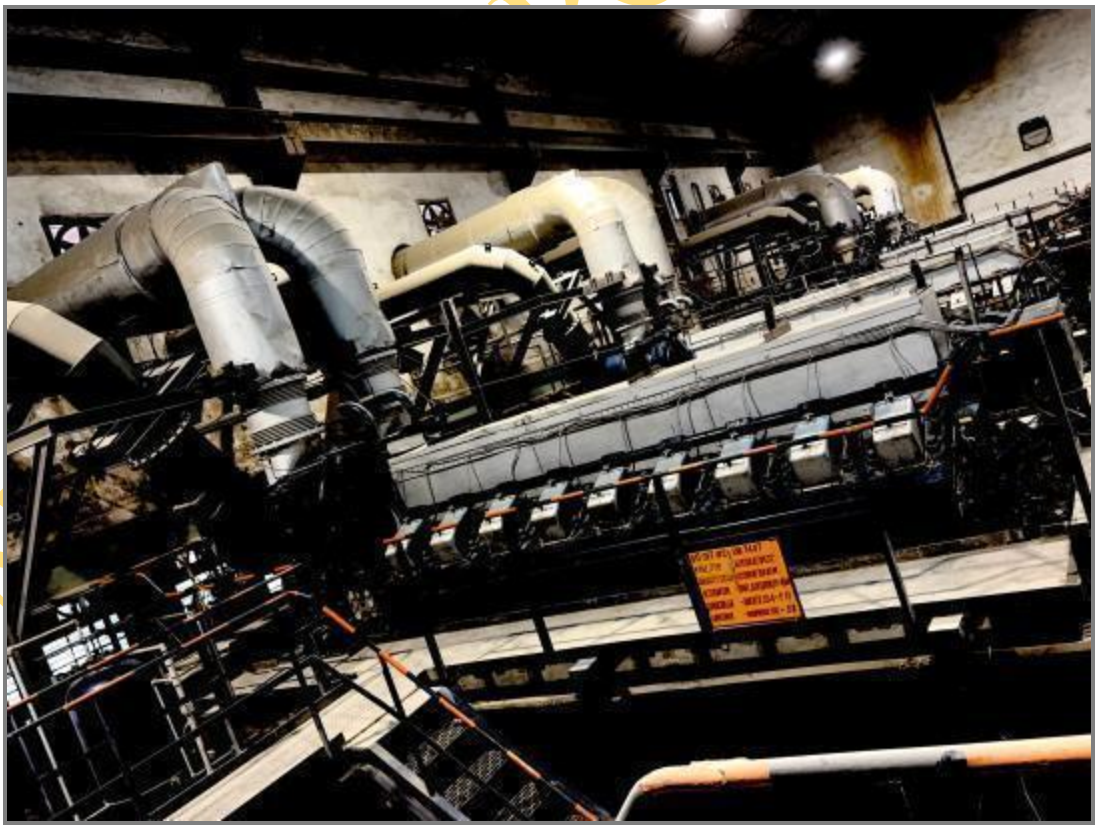
Spare Parts DG- 6 LN

Sr.no	Part Name	Qty
1	BIG END BRG.SHELLLOWER111005 FORESN- 8180	2
2	BIG END BRG.SHELLUPPER111004 FORESN-8180	2
3	INJECTION PUMP165180FOR 18V32LN(ESN8180)	1
4	PUMP ELEMENT 165102 FOR ESN-8180	2
5	ADAPTER FOR LOWNOX ESN8180, P.NO 165108	2
6	SPAREPART SET 165178FOR ESN-8180, LOWNOX	1
7	NOZZLE 167020 FOR ESN-8180	34
8	SET OF SEAL INJECTIONVALVE 167046	30
9	CYLINDER HEAD-120055	1
10	CONNECTING ROD-111003 FOR ESN-8180	1
11	SECURING RING 113010 FOR ESN-8180, LOWNOX	1
12	GUDGEON PIN -113014 FOR ESN-8180	1
13	CAMSHAFT-148002 FORENGINESR-8180-LNMODEL	1
14	CAMSHAFT-148001 FORENGINESR-8180-LNMODEL	1
15	SCREW 111015 FOR ESN-8180	1
16	SCREW 113008 FOR LOWNOX PISTON ESN-8180	22
17	SPAREPART SET 165178FOR ESN-8180, LOWNOX	22
18	TAPPET 165133 FOR ESN-8180, LOWNOX	2
19	SPRING 121061 FOR ESN-8180 LOWNOX	895

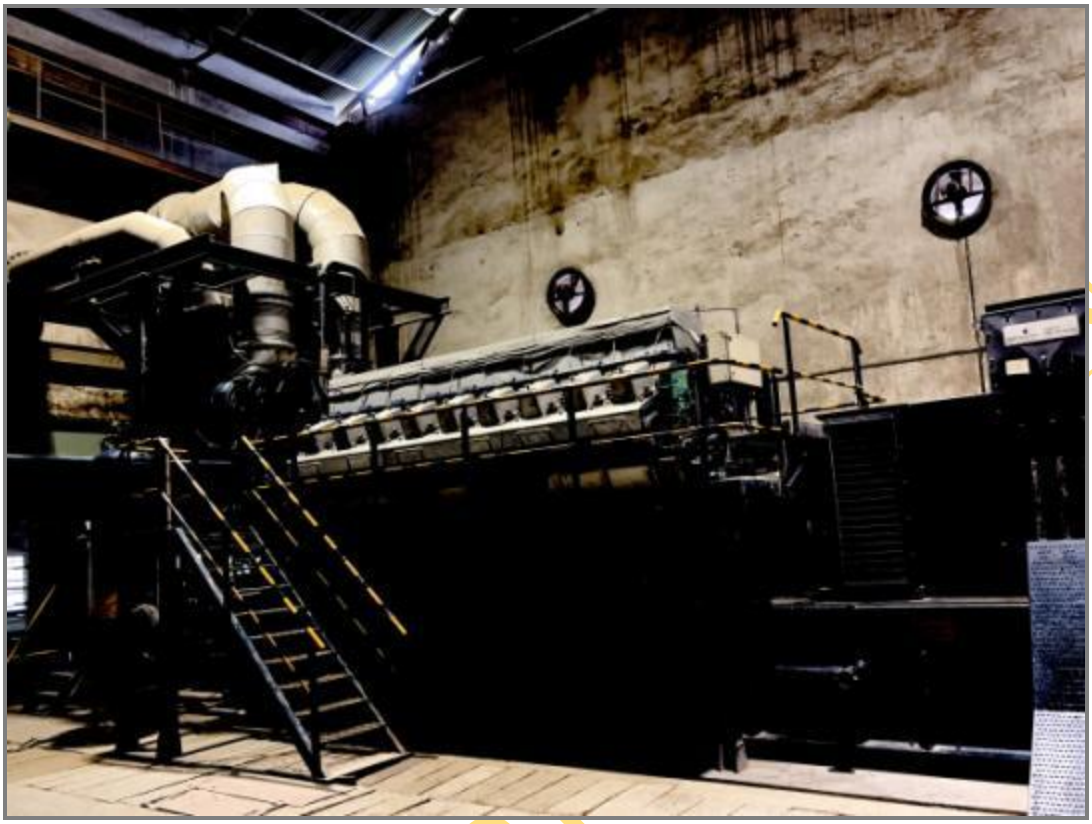
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20	SPRING PIN 113012 FOR LOWNOX ESN-8180	10
21	SPRING 167010 FOR ESN8180 LOW NOX	6
22	SPRING COMP. PART NO. 483049 FOR ESN8180	2
23	PISTONRINGSET 113013 FOR ESN-8180 LOWNOX	2
24	BALL BEARER 121064 FOR ESN-8180 LOWNOX	37
25	DUPLEX FILTER FOR 8180 LN20 MICRON 7CUM	2
26	NUT BIG END 111006 FOR ESN-8180	2
27	NUT 111016 FOR CR ESN-8180	2
28	PUSH ROD 167011 FOR ESN8180 LOW NOX	16
29	Booster unit	1
30	MOPX 207 Luboil Separator	1
31	7 T2 Air Compressor Make Ingersoll-rand	1
32	Associated Electrical Panels	Set

PHOTOGRAPHS:



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