POWER PLANT DETAILS

		PH#01 DG Sets (10.5MW) FO Based			PH#03 2 Sets (11.4 MW) Dual fuel (HSD&GAS)	
DG Sets		Genset # 01	Genset # 02	Genset # 03	Genset # 08	Genset # 09
Make		Wartsila	Wartsila	Wartsila	Wartsila	Wartsila
Model		W6L32LN	W9L32LN	W9L32LN	18V32DF	18V32DF
Capacity		2.6 MW	4.0 MW	4.0 MW	5.7 MW	5.7 MW
Alternator Make		ABB	ABB	ABB	Leroysomer	Leroysomer
Alternator details.		Make:- ABB, Type:- AMG0710LP08DSE,year :- 2006, phase-3 , output:- 3295KVA,Voltage-11000, connection :- Y , frequency :- 50Hz, Insu. Class- f , speed-750,current- 173, p.f - 0.8 , IM - 1101 , Excit :- 81vdc, 7.4Amps.	Make:- ABB, Type:- AMG0710LP08DSE,year :- 2006, phase-3 , output:- 4995KVA,Voltage-11000, connection :- Y , frequency :- 50Hz, Insu. Class- f , speed-750,current- 262, p.f - 0.8 , IM - 1101 , Excit :- 81vdc, 9.5Amps.	Make:- ABB, Type:- AMG0710LP08DSE,year :- 2007 , phase-3 , output:- 4995KVA,Voltage-11000, connection :- Y , frequency :- 50Hz, Insu. Class- f , speed-750,current- 262, p.f - 0.8 , IM - 1101 , Excit :- 81vdc, 9.5Amps.	Make:- LEROY SOMER, Type:-SA58X111/8p ,year :- 2008, phase-3 , output:- 7600KVA,Voltage-11000, connection :- Y , frequency :- 50Hz, Insu. Class- H , speed-750,current- 398.9, p.f - 0.8 , Excit :- on rated load - 8.65Amps.& no load - 3.45 Amps	Make:- LEROY SOMER, Type:-SA58X111/8p ,year :- 2008,, phase-3 , output:- 7600KVA,Voltage-11000, connection :- Y , frequency :- 50Hz, Insu. Class- H , speed-750,current- 398.9, p.f - 0.8 , Excit :- on rated load -8.65Amps.& no load - 3.45 Amps
Commissioning Date		4-Aug-2007	30-Jun-2007	1-Sep-2007	14-Jul-2009	14-Jul-2009
Running Hrs		**20791.00**	**17615.00**	**15912.00**	**20540.00**	**20222.00**
Auxiliary Equipement ↓						
Fuel Supply unit	Individual	1	1	1	1	1
	Common					
Fuel Booster unit	Individual					
	Common	1			1	
Fuel Feeder unit	Individual					
	Common	1			1	
Pipe module	Individual	1	1	1	1	1
	Common					
HFO Transfer unit	Individual	1			1	
	Common					
HSD Transfer unit	Individual	1			1	
	Common					
HT/LT PHE	Individual	1	1	1	N/A	
	Common					
Radiator	Individual	N/A			1	1
	Common					
Cooling Tower	Individual					
	Common	5			N/A	
Hydrophore unit	Individual					
	Common	1			1	
HFO Seperator	Individual					
	Common	4			N/A	
LO Seperator unit	Individual	1	1	1	1	1
	Common					
Charge air filter	Individual	1	1	1	2	2
	Common					
Starting air compressor	Individual					
	Common	2			3	
Instrument air compressor	Individual					
	Common	1			1	
Maintenance Water Tank	Individual					
	Common	1			1	
Starting air bottle	Individual	3			3	
	Common					
Ventilation System	Individual					
	Common	4			5	
Chimney	Individual	1	1	1	1	1
	Common					
Gas GRU station	Individual	N/A			1	1
	Common					
Gas skid	Individual					
	Common	N/A			1	

HEAT RECOVERY SYSTEM VAM (HOT WATER) With COMMON MCC

		VAM # 01	VAM # 02	VAM # 03	VAM # 08	VAM # 09
Make		Thermax	Thermax	Thermax	Voltas	Voltas
Capacity		145 TR	220 TR	220 TR	470 TR	470 TR
VAM	Individual	1	1	1	1	1
	Common					
Cooling Tower	Individual					
	Common	5			3	

HEAT RECOVERY SYSTEM WHRBS(EXHAUST GAS FIRED)

		WHRB#01	WHRB#02	WHRB#03	WHRB#08	WHRB#09
Make		Thermax	Thermax	Thermax	Thermax	Thermax
Capacity (Ton/Hr.)		1.5 T	2.2 T	2.2 T	3.3 T	3.3 T
WHRB	Individual	1	1	1	1	1
	Common					

ENGINE CONTROL PANEL

DG SETS		Genset # 01	Genset # 02	Genset # 03	Genset # 08	Genset # 09
MAKE		WARTSILA	WARTSILA	WARTSILA	WARTSILA	WARTSILA
	Individual	1	1	1	1	1
	Common	1			1	

PHASE WISE COMMON SCADA SYSTEM

		PH#01 DG Sets			PH#03 DG Sets	
DG Sets		Genset # 01	Genset # 02	Genset # 03	Genset # 08	Genset # 09
MAKE		WARTSILA			WARTSILA	
	Individual					
	Common	1			1	

PHASE WISE COMMON 110VOLTS BATTERY CHARGER

		PH#01 DG Sets			PH#03 DG Sets	
DG Sets		Genset # 01	Genset # 02	Genset # 03	Genset # 08	Genset # 09
MAKE		ELECTRONIC SYSTEM			N/A	
CAPACITY		RATING -20 AMPS				
	Individual					
	Common	**1**			1	

PHASE WISE COMMON 24 VOLTS BATTERY CHARGER

		PH#01 DG Sets			PH#03 DG Sets	
DG Sets		Genset # 01	Genset # 02	Genset # 03	Genset # 08	Genset # 09
MAKE		NA			ELCON	
	Individual					
	Common	NA			1	

NGR PANEL

		PH#01 DG Sets			PH#03 DG Sets	
DG Sets		Genset # 01	Genset # 02	Genset # 03	Genset # 08	Genset # 09
MAKE		AMP CONTROL			AMP CONTROL	

	Individual	1	1	1	1	1
	Common					

MV PANEL ENGINE VCB DETAILS

		PH#01 DG Sets			PH#03 DG Sets	
DG Sets		Genset # 01	Genset # 02	Genset # 03	Genset # 08	Genset # 09
MAKE		ABB	ABB	ABB	ABB	ABB
CAPACITY		800AMP	800AMP	800AMP	1250AMP	1250AMP
TYPE		VD4	VD4	VD4	VD4	VD4
	Individual	1	1	1	1	1
	Common					

PHASE # 1 MV PANEL OUTGOING VCB DETAILS

	OUTGOING For Aux. Transformer	OUTGOING # 2 Nos.
MAKE	ABB	ABB
CAPACITY	800AMP	1600AMP
TYPE	VD4	VD6

PHASE # 3MV PANEL OUTGOING VCB DETAILS

	O/G Aux. Transformer	OUTGOING # 2 Nos.	OUTGOING VAM Transformer
MAKE	ABB	ABB	ABB
CAPACITY	800AMP	1600AMP	1600AMP
TYPE	VD4	VD4	VD4

AUXILIARY TRANSFORMERS PHASE #1,3 & VAM

MAKE	VOLTAMPS	VOLTAMPS	VOLTAMPS
CAPACITY	1000KVA	2500KVA	2500KVA

PHASE #1 AUXILARY LV PANEL (COMMON)

MAKE	Rajan Electricals
CAPACITY	1600AMPS

PHASE #3 AUXILARY LV PANEL (COMMON)

MAKE	DHARIYA SWITCHGEAR
CAPACITY	4000AMPS

Note

Apart From These equipment one 1200 Kl FO storage Tank can also be spared
REMARK -: GAS CONVERSION SPARES FOR THREE GENSETS ARE AVAILABLE

If we retain one Genset from Phase # 3 following equipment from Common item list from Phase # 3 will be reuired for its operation

Fuel Feeder Unit, Fuel Booster Unit, Phase # 3 bus Coupler,Common control Panel,Scada, VAM Cooling Tower for One Genset, Aux. Equipment panel,One outgoing Feeder