

		BANGLADESH GAS FIELDS COMPANY LIMITED		GENERATOR SIZING	 CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD.			
USER LOCATION PROJECT JOB NO.		BANGLADESH GAS FIELDS COMPANY LIMITED TITAS GAS FIELD, BRAHMANBARIA, BANGLADESH 2 x 75 MMSCFD GLYCOL DEHYDRATION TYPE GAS PROCESS PLANT 252 LOCATION I			DOC NO. SERVICE TAG NO. QUANTITY	240-07-CCS-001 LOAD CALCULATION N/A N/A	REV : A	
S/L	EQUIPMENT TAG No.	EQUIPMENT	VOLTAGE RATING	DESCRIPTION	QTY	CONNECTED LOAD	OPERATING LOAD	REMARKS
<b>PLANT STARTER RACK :</b>								
1	P-300A-I	CONDENSATE TRANSFER PUMP	400 VAC		1	11000 W	11000 W	
2	P-300B-I		400 VAC		1	11000 W		
3	P-200A-I	CONDENSATE RECYCLE PUMP	400 VAC		1	1500 W	1500 W	
4	P-200B-I		400 VAC		1	1500 W		
5	AC-100A-I	INLET AIR COOLER	400 VAC		1	15000 W	15000 W	
6	AC-100B-I		400 VAC		1	15000 W		
7	E-300-I	OVERHEAD GAS COOLER	400 VAC		1	3000 W	3000 W	
8	P-400-I	KOD PUMP	400 VAC		1	1100 W	1100 W	
9	P-700-I	DEEP WELL PUMP	400 VAC		1	7500 W	7500 W	
10	P-800-I	DEEP WELL PUMP	400 VAC		1	7500 W	7500 W	
11	P-500A-I	ELECTRIC FIRE WATER PUMP	400 VAC		1	134000 W	134000 W	
12	P-500B-I	CONTROL PANEL DIESEL FIRE PUMP	230 VAC		1	500 W	500 W	
13	P-600-I	JOCKEY PUMP CONTROL PANEL	400 VAC		1	11000 W	11000 W	
14	LCP-0701-I	FLARE & BURN PIT CONTROL PANEL	230 VAC		1	3000 W	500 W	
15	LDP-1401-I	LIGHTING DISTRIBUTION PANEL	400 VAC		1	15000 W	6000 W	
16	R-100-I	GLYCOL REBOILER	400 VAC		1	5000 W	5000 W	
17	H-100-I	WATER BATH HEATER	400 VAC		1	6000 W	200 W	
18	UPS-1-I	UPS SYSTEM-1	230 VAC		1	4800 W	2500 W	
19	UPS-2-I	UPS SYSTEM-2	230 VAC		1	4800 W		
20	UPS-3-I	UPS FOR FIRE & GAS SYSTEM	230 VAC		1	800 W	100 W	
21	UPS-4-I	UPS FOR EMERGENCY LIGHTING	230 VAC		1	1600 W	1200 W	
22	UPOB-I	UTILITY POWER OPERATION BUILDING	400 VAC		1	22000 W	18000 W	
23	UPWB-I	UTILITY POWER WORKSHOP BUILDING	400 VAC		1	10000 W	8000 W	
24	UPGB-I	UTILITY POWER GENERATOR BUILDING	400 VAC		1	15000 W	12000 W	
						<b>Total:</b>	<b>245600 W</b>	
							<b>246 kW</b>	
Total Load in Kw= 246 kW Base load =70% of Load= 172 kW Considering 100kW Plus Power Required= 272 kW Next Available Selected Generator Size= 276 kW								
A	2015.10.28	ISSUED FOR APPROVAL				AS	MH	VG
REV	DATE	DESCRIPTION OF REVISION				PREPARED	CHECKED	APPROVED