

		BANGLADESH GAS FIELDS COMPANY LIMITED			Power Cable Schedule		<div>  <div> CONSORTIUM OF SINOPEC PETROLEUM ENGINEERING CORPORATION AND ZICOM EQUIPMENT PTE. LTD. </div>  </div>				
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 - I				DOC NO. : SERVICE : TAG NO. : QUANTITY:	252-0201-EMEL-CL00-0001 N/A N/A	Rev : A			
Sl.No	TAG NO.	DISCRIPTION	SOURCE	DESTINATION	CABLE SIZE (sqmm)	CABLE LENGTH (Meter)	CABLE VOLTAGE	Power Factor (p.f)	CABLE TYPE	CONDUCTOR	LOAD
1	G-01	GENERATOR 01	G1	MCC	8(1C X 150mm2)	240	600V	0.85	PVC ARMOURED	COPPER	276 KW
2	G-02	GENERATOR 02	G2	MCC	8(1C X 150mm2)	300	600V	0.85	PVC ARMOURED	COPPER	276 KW
3		NATIONAL GRID LINE	GRID LINE	MCC	4C X 300mm2	90	600V	0.85	PVC ARMOURED	COPPER	
4	P-300A-I	CONDENSATE TRANSFER PUMP	MCC	P-300A-I	4C X 6mm2	230	600V	0.85	PVC ARMOURED	COPPER	11 KW
5	P-300B-I	CONDENSATE TRANSFER PUMP	MCC	P-300B-I	4C X 6mm2	230	600V	0.85	PVC ARMOURED	COPPER	
6	P-300A-I-LCS	CONDENSATE TRANSFER PUMP-LCS	MCC	P-300A-I-LCS	12CX1.5mm2	230	600V	0.85	PVC ARMOURED	COPPER	
7	P-300B-I-LCS	CONDENSATE TRANSFER PUMP-LCS	MCC	P-300B-I-LCS	12CX1.5mm2	230	600V	0.85	PVC ARMOURED	COPPER	
8	P-200A-I	CONDENSATE RECYCLE PUMP	MCC	P-200A-I	4CX 2.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	1.5 KW
9	P-200B-I	CONDENSATE RECYCLE PUMP	MCC	P-200B-I	4CX 2.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	
10	P-200A-I-LCS	CONDENSATE RECYCLE PUMP-LCS	MCC	P-200A-I	12CX1.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	
11	P-200B-I-LCS	CONDENSATE RECYCLE PUMP-LCS	MCC	P-200B-I	12CX1.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	
12	AC-100A-I	INLET AIR COOLER	MCC	AC-100A-I	4C X10mm2	300	600V	0.85	PVC ARMOURED	COPPER	15 KW
13	AC-100B-I	INLET AIR COOLER	MCC	AC-100B-I	4C X10mm2	300	600V	0.85	PVC ARMOURED	COPPER	
14	AC-100A-I-LCS	INLET AIR COOLER-LCS	MCC	AC-100A-I-LCS	12CX1.5mm2	300	600V	0.85	PVC ARMOURED	COPPER	
15	AC-100B-I-LCS	INLET AIR COOLER-LCS	MCC	AC-100B-I-LCS	12CX1.5mm2	300	600V	0.85	PVC ARMOURED	COPPER	
16	E-300-I	OVERHEAD GAS COOLER	MCC	E-300-I	4CX 2.5mm2	340	600V	0.85	PVC ARMOURED	COPPER	3 KW
17	E-300-I-LCS	OVERHEAD GAS COOLER-LCS	MCC	E-300-I-LCS	12CX1.5mm2	340	600V	0.85	PVC ARMOURED	COPPER	
18	P-400-I	KOD PUMP	MCC	P-400-I	4CX 2.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	1.1 KW
19	P-400-I-LCS	KOD PUMP-LCS	MCC	P-400-I-LCS	12CX1.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	
20	P-700-I	DEEP WELL PUMP	MCC	P-700-I	4C X 4mm2	110	600V	0.85	PVC ARMOURED	COPPER	7.5 KW
21	P-700-I-LCS	DEEP WELL PUMP -LCS	MCC	P-700-I-LCS	12CX1.5mm2	110	600V	0.85	PVC ARMOURED	COPPER	
22	P-700-I	PUMP TO CONTROL PANEL(Flat Cable)	PUMP CONTROL PANEL	PUMP	2 (3C x 4 mm2)	500	600V	0.85	PVC ARMOURED	COPPER	
23	P-800-I	DEEP WELL PUMP	MCC	P-800-I	4C X 4mm2	110	600V	0.85	PVC ARMOURED	COPPER	7.5 KW
24	P-800-I-LCS	DEEP WELL PUMP -LCS	MCC	P-800-I-LCS	12CX1.5mm2	110	600V	0.85	PVC ARMOURED	COPPER	
25	P-800-I	PUMP TO CONTROL PANEL(Flat Cable)	PUMP CONTROL PANEL	PUMP	2 (3C x 4 mm2)	500	600V	0.85	PVC ARMOURED	COPPER	
26	P-500A-I	ELECTRIC FIRE WATER PUMP	MCC	P-500A-I	4C X 185mm2	150	600V	0.85	PVC ARMOURED	COPPER	134 KW
27	P-500A-I-LCS	ELECTRIC FIRE WATER PUMP-LCS	MCC	P-500A-I-LCS	12CX1.5mm2	150	600V	0.85	PVC ARMOURED	COPPER	
28	P-500B-I	CONTROL PANEL DIESEL FIRE PUMP	MCC	P-500B-I	4CX 2.5mm2	150	600V	0.85	PVC ARMOURED	COPPER	0.5 KW
29	P-600-I	JOCKEY PUMP CONTROL PANEL	MCC	P-600-I	4CX 6mm2	150	600V	0.85	PVC ARMOURED	COPPER	11 KW
30	G-1201-P-I	GENERATOR-1 COOLING TOWER PUMP	MCC	G-1201-P-I	4CX 4mm2	20	600V	0.85	PVC ARMOURED	COPPER	5.5 KW
31	G-1201-P-I-LCS	GENERATOR-1 COOLING TOWER PUMP-LCS	MCC	G-1201-P-I-LCS	12CX1.5mm2	20	600V	0.85	PVC ARMOURED	COPPER	
32	G-1201-F-I	GENERATOR-1 COOLING TOWER FAN	MCC	G-1201-F-I	4CX 4mm2	35	600V	0.85	PVC ARMOURED	COPPER	5.5 KW
33	G-1201-F-I-LCS	GENERATOR-1 COOLING TOWER FAN-LCS	MCC	G-1201-F-I-LCS	12CX1.5mm2	20	600V	0.85	PVC ARMOURED	COPPER	
34	G-1202-P-I	GENERATOR-2 COOLING TOWER PUMP	MCC	G-1202-P-I	4CX 4mm2	20	600V	0.85	PVC ARMOURED	COPPER	5.5 KW
35	G-1202-P-I-LCS	GENERATOR-2 COOLING TOWER PUMP-LCS	MCC	G-1202-P-I-LCS	12CX1.5mm2	20	600V	0.85	PVC ARMOURED	COPPER	
36	G-1202-F-I	GENERATOR-2 COOLING TOWER FAN	MCC	G-1202-F-I	4CX 4mm2	35	600V	0.85	PVC ARMOURED	COPPER	5.5 KW
37	G-1202-F-I-LCS	GENERATOR-2 COOLING TOWER FAN-LCS	MCC	G-1202-F-I-LCS	12CX1.5mm2	20	600V	0.85	PVC ARMOURED	COPPER	
38		GENERATOR BATTERY CHARGER	MCC	BATTERY CHARGER	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	
39		UTILITY POWER OPERATION BULDING	MCC	UTILITY POWER OPERATION BULDING	4CX 16mm2	180	600V	0.85	PVC ARMOURED	COPPER	22 KW
40		UTILITY POWER WORKSHOP BULDING	MCC	UTILITY POWER WORKSHOP BULDING	4CX 6mm2	160	600V	0.85	PVC ARMOURED	COPPER	10 KW
41		UTILITY POWER GENERATOR BULDING	MCC	UTILITY POWER GENERATOR BULDING	4CX 10mm2	20	600V	0.85	PVC ARMOURED	COPPER	15 KW
42	LCP-0701-I	FLARE & BURN PIT CONTROL PANEL	MCC	CONTROL PANEL	4CX 2.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	3 KW
43		FLARE PANEL	CONTROL PANEL	FLARE PANEL	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	
44		BURN PIT PANEL	CONTROL PANEL	BURN PIT PANEL	3CX 2.5mm2	60	600V	0.85	PVC ARMOURED	COPPER	

45	LDP-1401-I	LIGHTING DISTRIBUTION PANEL	MCC	LIGHT PANEL	5CX 10mm2	20	600V	0.85	PVC ARMOURED	COPPER	15 KW	
46		TOWER LIGHT-1 (3 No. 200W light each pole)	LIGHT PANEL	TOWER LIGHT-1	3CX 2.5mm2	340	600V	0.85	PVC ARMOURED	COPPER	0.6 KW	
47		TOWER LIGHT-2 (3 No. 200W light each pole)	LIGHT PANEL	TOWER LIGHT-2	3CX 2.5mm2	290	600V	0.85	PVC ARMOURED	COPPER	0.6 KW	
48		TOWER LIGHT-3 (3 No. 200W light each pole)	LIGHT PANEL	TOWER LIGHT-3	3CX 2.5mm2	230	600V	0.85	PVC ARMOURED	COPPER	0.6 KW	
49		TOWER LIGHT-4 (3 No. 200W light each pole)	LIGHT PANEL	TOWER LIGHT-4	3CX 2.5mm2	180	600V	0.85	PVC ARMOURED	COPPER	0.6 KW	
50		TOWER LIGHT-5 (3 No. 200W light each pole)	LIGHT PANEL	TOWER LIGHT-5	3CX 2.5mm2	220	600V	0.85	PVC ARMOURED	COPPER	0.6 KW	
51		TOWER LIGHT-6 (3 No. 200W light each pole)	LIGHT PANEL	TOWER LIGHT-6	3CX 2.5mm2	70	600V	0.85	PVC ARMOURED	COPPER	0.6 KW	
52		PIPE RACK LIGHT-1 (8 No. 100W light)	LIGHT PANEL	PIPE RACK LIGHT-1	3CX 2.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	0.8 KW	
53		PIPE RACK LIGHT-2(8 No. 100W light)	LIGHT PANEL	PIPE RACK LIGHT-2	3CX 2.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	0.8 KW	
54		TRANSFER PUMP SHED LIGHT (2 No.36W each light)	LIGHT PANEL	TRANSFER PUMP SHED LIGHT	3CX 2.5mm2	230	600V	0.85	PVC ARMOURED	COPPER	0.072 KW	
55	RECYCLE PUMP SHED LIGHT (2 No.36W each light)	LIGHT PANEL	RECYCLE PUMP SHED LIGHT	3CX 2.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	0.072 KW		
56	DELUGE VALVE & FOAM TANK SHED LIGHT (2 No.36W each light)	LIGHT PANEL	DELUGE VALVE & FOAM TANK SHED LIGHT	3CX 2.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	0.072 KW		
57	TEG TOWER LIGHT (2 No. 100W light)	PIPE RACK LIGHT-2	TEG TOWER	3CX 2.5mm2	20	600V	0.85	PVC ARMOURED	COPPER	0.2 KW		
58	AIR-CRAFT WARNING LIGHT(50W)	LIGHT PANEL	AIR-CRAFT WARNING LIGHT	3CX 2.5mm2	250	600V	0.85	PVC ARMOURED	COPPER	0.05 KW		
59	LOADING AREA SHED LIGHT (3 No. 200W each light)	LIGHT PANEL	LOADING AREA SHED LIGHT	3CX 2.5mm2	120	600V	0.85	PVC ARMOURED	COPPER	0.4 KW		
60	R-100-I	GLYCOL REBOILER	MCC	GLYCOL REBOILER	4CX 2.5mm2	260	600V	0.85	PVC ARMOURED	COPPER	5 KW	
61	H-100-I	WATER BATH HEATER	MCC	WBH PANEL	4CX 2.5mm2	120	600V	0.85	PVC ARMOURED	COPPER	6 KW	
62	02-UPS-1201-I	UPS SYSTEM 1	MCC	UPS-1	3CX 4mm2	130	600V	0.85	PVC ARMOURED	COPPER	6 KVA	
63	02-UPS-1202-I	UPS SYSTEM 2	MCC	UPS-2	3CX 4mm2	130	600V	0.85	PVC ARMOURED	COPPER	6 KVA	
64	02-UPS-1201 & 2-I	UPS-1&2-DB	UPS-1&2	UPS-1&2-DB	3CX 4mm2	10	600V	0.85	PVC ARMOURED	COPPER		
65		DCS PANEL	UPS-1&2-DB	MAIN CONTROL PANEL	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.4 KW	
66		ENGINEERING STATION	UPS-1&2-DB	ENGINEERING STATION	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	0.4 KW	
67		OPERATOR STATION	UPS-1&2-DB	OPERATOR STATION	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	0.4 KW	
68		MCC I/O RIO-001	UPS-1&2-DB	REMOTE I/O	3CX 2.5mm2	180	600V	0.85	PVC ARMOURED	COPPER	0.25 KW	
69		PLANT MIMIC PANEL	UPS-1&2-DB	PLANT MIMIC BOARD	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.2 KW	
70		INTERCOM SYSTEM	UPS-1&2-DB	INTERCOM SYSTEM	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.05 KW	
71		WBH	UPS-1&2-DB	WBH	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.2 KW	
72		REBOILER	UPS-1&2-DB	REBOILER	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.2 KW	
73		FLARE CONTROL PANEL	UPS-1&2-DB	FLARE CONTROL PANEL	3CX 2.5mm2	350	600V	0.85	PVC ARMOURED	COPPER	0.2 KW	
74		PRINTER	UPS-1&2-DB	PRINTER	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	0.05 KW	
75		LASER PRINTER	UPS-1&2-DB	LASER PRINTER	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	0.1 KW	
76		UPS-3	UPS-1&2-DB	UPS-3	3CX 2.5mm2	10	600V	0.85	PVC ARMOURED	COPPER	1 KVA	
77		FLOW COMPUTER	UPS-1&2-DB	FLOW COMPUTER	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	0.052 KW	
78	02-UPS-1203-I	UPS (FIRE & GAS)	UPS-2	UPS-3	3CX 2.5mm2	10	600V	0.85	PVC ARMOURED	COPPER	1 KVA	
79		UPS-3-DB	UPS-3	UPS-3-DB	3CX 2.5mm2	10	600V	0.85	PVC ARMOURED	COPPER		
80		FIRE PANEL	UPS-3-DB	FIRE PANEL	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.1 KW	
81		FIRE MIMIC PANEL	UPS-3-DB	FIRE MIMIC PANEL	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.05 KW	
82		ALARM SYSTEM	UPS-3-DB	ALARM SYSTEM	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.2 KW	
83		POWER SUPPLY	UPS-3-DB	POWER SUPPLY	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.14 KW	
84	02-UPS-1204-I	UPS (EMERGENCY LIGHTING)	MCC	UPS-4	3CX 4mm2	130	600V	0.85	PVC ARMOURED	COPPER	2 KVA	
85		UPS-4-DB	UPS-4	UPS-4-DB	3CX 2.5mm2	10	600V	0.85	PVC ARMOURED	COPPER		
86		FIRE WATER PUMP SHED LIGHT (2set.72W each light)	LIGHT PANEL	FIRE WATER PUMP SHED LIGHT	3CX 2.5mm2	200	600V	0.85	PVC ARMOURED	COPPER	0.072 KW	
87		CONTROL ROOM	UPS-4-DB	CONTROL ROOM	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.4 KW	
88		MCC ROOM	UPS-4-DB	ENGINEER ROOM	3CX 2.5mm2	170	600V	0.85	PVC ARMOURED	COPPER	0.16 KW	
89		WORKSHOP BUILDING LIGHT	UPS-4-DB	WORKSHOP BUILDING	3CX 2.5mm2	80	600V	0.85	PVC ARMOURED	COPPER	0.24 KW	
90		GENERATOR ROOM	UPS-4-DB	GENERATOR ROOM	3CX 2.5mm2	170	600V	0.85	PVC ARMOURED	COPPER	0.24 KW	
A	2015.10.28	ISSUED FOR APPROVAL								AS	MH	VG
REV	DATE	DESCRIPTION								PREPARED	CHECKED	APPROVED

