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USER LOCATION PROJECT JOB NO.		BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD. SRIKAIL GAS FIELD, BANGLADESH 60 MMSCFD SILICA GEL DEHYDRATION TYPE GAS PROCESS PLANT 240			DOC NO. :	240-0201-EMEL-CL00-0001			Rev : A		
					SERVICE :						
					TAG NO. :	N/A					
					QUANTITY:	N/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)	260	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	G-03	GENERATOR 03	G3	MCC	8 (1C X 150mm2)	340	600V	0.85	PVC ARMOURED	COPPER	276 KW
4	GRID	NATIONAL GRID LINE	GRID LINE	MCC	4C X 95mm2		600V	0.85	PVC ARMOURED	COPPER	
5		SPARE-1-25A			4C X 10mm2	100	600V	0.85	PVC ARMOURED	COPPER	14.7 KW
6		SPARE-2-50A			4C X 16mm2	100	600V	0.85	PVC ARMOURED	COPPER	29.44 KW
7		SPARE-3-50A			4C X 16mm2	100	600V	0.85	PVC ARMOURED	COPPER	29.44 KW
8		SPARE-4-50A			4C X 16mm2	100	600V	0.85	PVC ARMOURED	COPPER	29.44 KW
9		SPARE-5-50A			4C X 16mm2	100	600V	0.85	PVC ARMOURED	COPPER	29.44 KW
10	C-501	UTILITY AIR COMPRESSOR LOCAL CONTROL PANEL	MCC	C-501	4C X 10mm2	80	600V	0.85	PVC ARMOURED	COPPER	15 KW
11	C-502	UTILITY AIR COMPRESSOR LOCAL CONTROL PANEL	MCC	C-502	4C X 10mm2	80	600V	0.85	PVC ARMOURED	COPPER	15 KW
12	C-503	UTILITY AIR COMPRESSOR LOCAL CONTROL PANEL	MCC	C-503	4C X10mm2	80	600V	0.85	PVC ARMOURED	COPPER	15 KW
13		DOMESTIC & OFFICE USE	MCC	DOMESTIC & OFFICE USE	4C X 35mm2	240	600V	0.85	PVC ARMOURED	COPPER	50 KW
14		GENERATOR & MCC ROOM DISTRIBUTION PANEL	MCC	GENERATOR & MCC ROOM DISTRIBUTION PANEL	4C X 6mm2	40	600V	0.85	PVC ARMOURED	COPPER	10 KW
15	P-100A	CONDENSATE TRANSFER PUMP	MCC	P-100A	4C X 4mm2	210	600V	0.85	PVC ARMOURED	COPPER	5.5 KW
	P-100B	CONDENSATE TRANSFER PUMP	MCC	P-100B	4C X 4mm2	210	600V	0.85	PVC ARMOURED	COPPER	5.5KW
16	P-100A-LCS	CONDENSATE TRANSFER PUMP-LCS	MCC	P-100A-LCS	12C X 1.5mm2	210	600V	0.85	PVC ARMOURED	COPPER	
	P-100B-LCS	CONDENSATE TRANSFER PUMP-LCS	MCC	P-100B-LCS	12C X 1.5mm2	210	600V	0.85	PVC ARMOURED	COPPER	
17	P-200A	COOLING WATER PUMP	MCC	P-200A	4C X 4mm2	160	600V	0.85	PVC ARMOURED	COPPER	5.5 KW
	P-200B	COOLING WATER PUMP	MCC	P-200B	4C X 4mm2	160	600V	0.85	PVC ARMOURED	COPPER	5.5 KW
18	P-200A-LCS	COOLING WATER PUMP-LCS	MCC	P-200A	12C X 1.5mm2	160	600V	0.85	PVC ARMOURED	COPPER	
	P-200B-LCS	COOLING WATER PUMP-LCS	MCC	P-200B	12C X 1.5mm2	160	600V	0.85	PVC ARMOURED	COPPER	
19	E-100(1)	DRY AIR COOLER	MCC	E-100(1)	4C X 16mm2	150	600V	0.85	PVC ARMOURED	COPPER	22 KW
	E-100(1)-LCS	DRY AIR COOLER-LCS	MCC	E-100(1)-LCS	12C X 1.5mm2	150	600V	0.85	PVC ARMOURED	COPPER	
20	E-100(2)	DRY AIR COOLER	MCC	E-100(2)	4C X 16mm2	150	600V	0.85	PVC ARMOURED	COPPER	22 KW
	E-100(2)-LCS	DRY AIR COOLER-LCS	MCC	E-100(2)-LCS	12C X 1.5mm2	150	600V	0.85	PVC ARMOURED	COPPER	
21	E-100(3)	DRY AIR COOLER	MCC	E-100(3)	4C X 10mm2	150	600V	0.85	PVC ARMOURED	COPPER	15 KW
	E-100(3)-LCS	DRY AIR COOLER-LCS	MCC	E-100(3)-LCS	12C X 1.5mm2	150	600V	0.85	PVC ARMOURED	COPPER	
22	E-100(4)	DRY AIR COOLER	MCC	E-100(4)	4C X 10mm2	150	600V	0.85	PVC ARMOURED	COPPER	15 KW
	E-100(4)-LCS	DRY AIR COOLER-LCS	MCC	E-100(4)-LCS	12C X 1.5mm2	150	600V	0.85	PVC ARMOURED	COPPER	
23	E-300A(1)	REGENERATION GAS COOLER	MCC	E-300A(1)	4C X 16mm2	165	600V	0.85	PVC ARMOURED	COPPER	22 KW
	E-300A(1)-LCS	REGENERATION GAS COOLER-LCS	MCC	E-300A(1)-LCS	12C X 1.5mm2	165	600V	0.85	PVC ARMOURED	COPPER	
24	E-300A(2)	REGENERATION GAS COOLER	MCC	E-300A(2)	4C X 10mm2	165	600V	0.85	PVC ARMOURED	COPPER	15 KW
	E-300A(2)-LCS	REGENERATION GAS COOLER-LCS	MCC	E-300A(2)-LCS	12C X 1.5mm2	165	600V	0.85	PVC ARMOURED	COPPER	
25	E-300B(1)	REGENERATION GAS COOLER	MCC	E-300B(1)	4C X 16mm2	165	600V	0.85	PVC ARMOURED	COPPER	22 KW
	E-300B(1)-LCS	REGENERATION GAS COOLER-LCS	MCC	E-300B(1)-LCS	12C X 1.5mm2	165	600V	0.85	PVC ARMOURED	COPPER	
26	E-300B(2)	REGENERATION GAS COOLER	MCC	E-300B(2)	4C X 10mm2	165	600V	0.85	PVC ARMOURED	COPPER	15 KW
	E-300B(2)-LCS	REGENERATION GAS COOLER-LCS	MCC	E-300B(2)-LCS	12C X 1.5mm2	165	600V	0.85	PVC ARMOURED	COPPER	
27	E-400A(1)	COOLING GAS COOLER	MCC	E-400A(1)	4C X 16mm2	165	600V	0.85	PVC ARMOURED	COPPER	22 KW
	E-400A(1)-LCS	COOLING GAS COOLER-LCS	MCC	E-400A(1)-LCS	12C X 1.5mm2	160	600V	0.85	PVC ARMOURED	COPPER	

28	E-400A(2)	COOLING GAS COOLER	MCC	E-400A(2)	4C X 10mm2	160	600V	0.85	PVC ARMOURED	COPPER	15 KW
	E-400A(2)-LCS	COOLING GAS COOLER-LCS	MCC	E-400A(2)-LCS	12C X 1.5mm2	160	600V	0.85	PVC ARMOURED	COPPER	
29	E-400B(1)	COOLING GAS COOLER	MCC	E-400B(1)	4C X 16mm2	160	600V	0.85	PVC ARMOURED	COPPER	22 KW
	E-400B(1)-LCS	COOLING GAS COOLER-LCS	MCC	E-400B(1)-LCS	12C X 1.5mm2	160	600V	0.85	PVC ARMOURED	COPPER	
30	E-400B(2)	COOLING GAS COOLER	MCC	E-400B(2)	4C X 10mm2	160	600V	0.85	PVC ARMOURED	COPPER	15 KW
	E-400B(2)-LCS	COOLING GAS COOLER-LCS	MCC	E-400B(2)-LCS	12C X 1.5mm2	160	600V	0.85	PVC ARMOURED	COPPER	
31	P-800	KOD PUMP	MCC	P-800	4C X 2.5mm2	180	600V	0.85	PVC ARMOURED	COPPER	3 KW
	P-800-LCS	KOD PUMP-LCS	MCC	P-800-LCS	12C X 1.5mm2	180	600V	0.85	PVC ARMOURED	COPPER	
32	CT-100	WET COOLER	MCC	CT-100	4C X 6mm2	185	600V	0.85	PVC ARMOURED	COPPER	11 KW
	CT-100-LCS	WET COOLER-LCS	MCC	CT-100-LCS	12C X 1.5mm2	185	600V	0.85	PVC ARMOURED	COPPER	
33	V-502A/B	AIR DRYER	MCC	V-502A/B	3C X 2.5mm2	80	600V	0.85	PVC ARMOURED	COPPER	1 KW
34	V-503A/B	AIR DRYER	MCC	V-503A/B	3C X 2.5mm2	80	600V	0.85	PVC ARMOURED	COPPER	1 KW
35	LCP-0801	FLARE STACK LOCAL CONTROL PANEL	MCC	FLARE STACK LOCAL CONTROL PANEL	4CX 2.5mm2	180	600V	0.85	PVC ARMOURED	COPPER	3 KW
		FLARE PANEL	CONTROL PANEL	FLARE PANEL	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	
		BURN PIT PANEL	CONTROL PANEL	BURN PIT PANEL	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	
36	H-100	WATER BATH HEATER	MCC	CONTROL BUILDING	4CX 2.5mm2	240	600V	0.85	PVC ARMOURED	COPPER	6 KW
37	H-200	REGENERATION GAS HEATER	MCC	CONTROL BUILDING	4CX 2.5mm2	240	600V	0.85	PVC ARMOURED	COPPER	6 KW
38	P-403	DEEP WELL PUMP	MCC	P-403	4C X 6mm2	310	600V	0.85	PVC ARMOURED	COPPER	11 KW
	P-403-LCS	DEEP WELL PUMP -LCS	MCC	P-403-LCS	12C X 1.5mm2	310	600V	0.85	PVC ARMOURED	COPPER	
39	P-404	POTABLE WATER PUMP	MCC	P-404	4C X 2.5mm2	310	600V	0.85	PVC ARMOURED	COPPER	0.75 KW
	P-404-LCS	POTABLE WATER PUMP-LCS	MCC	P-404-LCS	12C X 1.5mm2	310	600V	0.85	PVC ARMOURED	COPPER	
40	P-401A	JOCKEY PUMP CONTROL PANEL	MCC	P-401A	4C X 10mm2	280	600V	0.85	PVC ARMOURED	COPPER	18 KW
41	P- 401B	JOCKEY PUMP CONTROL PANEL	MCC	P-401B	4C X 10mm2	280	600V	0.85	PVC ARMOURED	COPPER	18 KW
42	P-402A	DIESEL FIRE WATER PUMP CONTROL PANEL	MCC	P-402A	4C X 2.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	3 KW
43	P-402B	DIESEL FIRE WATER PUMP CONTROL PANEL	MCC	P-402B	4C X 2.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	3 KW
44	P-300A	CONDENSATE RECYCLE PUMP	MCC	P-300A	4CX 2.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	0.75 KW
45	P-300B	CONDENSATE RECYCLE PUMP	MCC	P-300B	4CX 2.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	
46	P-300A-LCS	CONDENSATE RECYCLE PUMP-LCS	MCC	P-300A-LCS	12CX1.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	
47	P-300B-LCS	CONDENSATE RECYCLE PUMP-LCS	MCC	P-300B-LCS	12CX1.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	
48	P-301A	TREATED WATER TRANSFER PUMP	MCC	P-301A	4CX 2.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	0.75 KW
49	P-301B	TREATED WATER TRANSFER PUMP	MCC	P-301B	4CX 2.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	
50	P-301A-LCS	TREATED WATER TRANSFER PUMP-LCS	MCC	P-301A-LCS	12CX1.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	
51	P-301B-LCS	TREATED WATER TRANSFER PUMP-LCS	MCC	P-301B-LCS	12CX1.5mm2	280	600V	0.85	PVC ARMOURED	COPPER	
52	02-GBC-1401	GENERATOR BATTERY CHARGER	MCC	02-GBC-1401	3CX 4mm2	30	600V	0.85	PVC ARMOURED	COPPER	1.5 KW
53	02-UPS-1201	UPS SYSTEM 1	MCC	UPS-1	3CX 4mm2	240	600V	0.85	PVC ARMOURED	COPPER	6 KVA
54	02-UPS-1202	UPS SYSTEM 2	MCC	UPS-2	3CX 4mm2	240	600V	0.85	PVC ARMOURED	COPPER	6 KVA
55	02-UPS-1201 & 02-UPS-1202	UPS-1&2-DB	UPS-1&2	UPS-1&2-DB	3CX 4mm2	10	600V	0.85	PVC ARMOURED	COPPER	
		DCS PANEL	UPS-1&2	DCS PANEL	3CX 2.5mm2	70	600V	0.85	PVC ARMOURED	COPPER	0.4 KW
		ENGINEERING STATION	UPS-1&2	ENGINEERING STATION	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.4 KW
		OPERATOR STATION 1	UPS-1&2	OPERATOR STATION	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.4 KW
		OPERATOR STATION 2	UPS-1&2	OPERATOR STATION	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.4 KW
		75" MONITOR -1	UPS-1&2	75" MONITOR -1	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.4 KW
		75" MONITOR -2	UPS-1&2	75" MONITOR -2	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.4 KW
		FIELD I/O ( RIO - 0001A)	UPS-1&2	FIELD I/O ( RIO - 0001A)	3CX 2.5mm2	80	600V	0.85	PVC ARMOURED	COPPER	0.25 KW
		FIELD I/O ( RIO - 0001B)	UPS-1&2	FIELD I/O ( RIO - 0001B)	3CX 2.5mm2	80	600V	0.85	PVC ARMOURED	COPPER	0.25 KW
		FIELD I/O ( RIO - 0001C)	UPS-1&2	FIELD I/O ( RIO - 0001C)	3CX 2.5mm2	80	600V	0.85	PVC ARMOURED	COPPER	0.25 KW
		FIELD I/O ( RIO - 0002A)	UPS-1&2	FIELD I/O ( RIO - 0002A)	3CX 2.5mm2	80	600V	0.85	PVC ARMOURED	COPPER	0.25 KW
		FIELD I/O ( RIO - 0002B)	UPS-1&2	FIELD I/O ( RIO - 0002B)	3CX 2.5mm2	230	600V	0.85	PVC ARMOURED	COPPER	0.25 KW
		MCC I/O ( RIO - 0003)	UPS-1&2	MCC I/O ( RIO - 0003)	3CX 2.5mm2	250	600V	0.85	PVC ARMOURED	COPPER	0.25 KW
		F&G UPS - 1KVA	UPS-1&2	F&G UPS(UPS-3)	3CX 2.5mm2	20	600V	0.85	PVC ARMOURED	COPPER	1 KW
		PAGING & INTERCOM SYSTEM	UPS-1&2	PAGING	3CX 2.5mm2	30	600V	0.85	PVC ARMOURED	COPPER	0.05 KW
		WATER BATH HEATER	UPS-1&2	WATER BATH HEATER	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	0.2 KW
		LCP ( REGENERATION GAS HEATER)	UPS-1&2	LCP ( REGENERATION GAS HEATER)	3CX 2.5mm2	40	600V	0.85	PVC ARMOURED	COPPER	0.2 KW
		FLOW COMPUTER PANEL	UPS-1&2	FLOW COMPUTER PANEL	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.06 KW
		CCTV CAMERA	UPS-1&2	CCTV CAMERA	3CX 2.5mm2	350	600V	0.85	PVC ARMOURED	COPPER	0.1 KW
		CCTV CAMERA	UPS-1&2	CCTV CAMERA	3CX 2.5mm2	350	600V	0.85	PVC ARMOURED	COPPER	0.1 KW
		CCTV CAMERA	UPS-1&2	CCTV CAMERA	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.1 KW
		DVR NETWORKABLE	UPS-1&2	DVR NETWORKABLE	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.08 KW
		PRINTER 1 & 2	UPS-1&2	PRINTER	3CX 2.5mm2	50	600V	0.85	PVC ARMOURED	COPPER	0.15 KW
		FIRE & GAS SYSTEM	3CX 2.5mm2	UPS-1&2-DB	FIRE & GAS	30	600V	0.85	PVC ARMOURED	COPPER	0.25 KW
		FLARE CONTROL PANEL	UPS-1&2-DB	FLARE CONTROL PANEL	3CX 2.5mm2	330	600V	0.85	PVC ARMOURED	COPPER	0.04 KW
		POWER CABLE FOR GC	UPS	GC	3CX 2.5mm2	140	600V	0.85	PVC ARMOURED	COPPER	0.05 KW

		UPS-3	UPS-1&2-DB	UPS-3	3CX 2.5mm2	20	600V	0.85	PVC ARMoured	COPPER	1 KW	
		UPS-3-DB	UPS-3	UPS-3-DB	3CX 2.5mm2	10	600V	1.85	PVC ARMoured	COPPER	0.1 KW	
56	02-UPS-1203	FIRE PANEL	UPS-3-DB	FIRE PANEL	3CX 2.5mm2	40	600V	0.85	PVC ARMoured	COPPER	0.05 KW	
		FIRE MIMIC PANEL	UPS-3-DB	FIRE MIMIC PANEL	3CX 2.5mm2	20	600V	0.85	PVC ARMoured	COPPER	200W	
		ALARM SYSTEM	UPS-3-DB	ALARM SYSTEM	3CX 2.5mm2	20	600V	0.85	PVC ARMoured	COPPER	140W	
		POWER SUPPLY	UPS-3-DB	POWER SUPPLY	3CX 2.5mm2	10	600V	0.85	PVC ARMoured	COPPER	18 KW	
57	LDP-1401	LIGHTING DISTRIBUTION PANEL	MCC	LIGHT PANEL	5C X 10mm2	20	600V	0.85	PVC ARMoured	COPPER	18 KW	
		TELESCOPIC TOWER -1	LIGHT PANEL	TELESCOPIC TOWER -1	3C X 2.5mm2	130	600V	0.85	PVC ARMoured	COPPER	1.2 KW	
		TELESCOPIC TOWER -2	LIGHT PANEL	TELESCOPIC TOWER -2	3C X 2.5mm2	180	600V	0.85	PVC ARMoured	COPPER	1.2 KW	
		TELESCOPIC TOWER -3	LIGHT PANEL	TELESCOPIC TOWER -3	3C X 2.5mm2	200	600V	0.85	PVC ARMoured	COPPER	1.2 KW	
		PIPE RACK LIGHT-1	LIGHT PANEL	PIPE RACK LIGHT-1	3C X 2.5mm2	160	600V	0.85	PVC ARMoured	COPPER	0.7 KW	
		PIPE RACK LIGHT-2	LIGHT PANEL	PIPE RACK LIGHT-2	3C X 2.5mm2	170	600V	0.85	PVC ARMoured	COPPER	0.5 KW	
		STREET LIGHT -1	LIGHT PANEL	STREET LIGHT -1	3C X 2.5mm2	150	600V	0.85	PVC ARMoured	COPPER	0.45 KW	
		STREET LIGHT -2	LIGHT PANEL	STREET LIGHT -2	3C X 2.5mm2	70	600V	0.85	PVC ARMoured	COPPER	0.45 KW	
		INSTRUMENT AIR AREA SHED LIGHT	LIGHT PANEL	INSTRUMENT AIR AREA SHED LIGHT	3C X 2.5mm2	80	600V	0.85	PVC ARMoured	COPPER	0.036 KW	
		TRANSFER PUMP SHED LIGHT	LIGHT PANEL	TRANSFER PUMP SHED LIGHT	3C X 2.5mm2	250	600V	0.85	PVC ARMoured	COPPER	0.036 KW	
		DELUGE VALVE SHED LIGHT	LIGHT PANEL	DELUGE VALVE SHED LIGHT	3C X 2.5mm2	330	600V	0.85	PVC ARMoured	COPPER	0.036 KW	
		FIRE WATER SHED LIGHT	LIGHT PANEL	FIRE WATER SHED LIGHT	3C X 2.5mm2	330	600V	0.85	PVC ARMoured	COPPER	0.036 KW	
		LOADING ARM SHED LIGHT	LIGHT PANEL	LOADING ARM SHED LIGHT	3C X 2.5mm2	200	600V	0.85	PVC ARMoured	COPPER	0.4 KW	
		AIR CRAFT WARNING LIGHT	LIGHT PANEL	AIR CRAFT WARNING LIGHT	3C X 2.5mm2	300	600V	0.85	PVC ARMoured	COPPER	0.05 KW	
A	12-May-15	ISSUED FOR APPROVAL								AS	MH	VG
REV	DATE	DESCRIPTION OF REVISION								PREPARED	CHECKED	APPROVED

