

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض							 شرکت توسعه نیرو ایران		
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 HIRGAN ENERGY		
	ELECTRICAL POWER & CONTROL CABLE SCHEDULE									
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۱ از ۱۳	
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	EL	LI	0002	D01		

طرح نگهداشت و افزایش تولید ۲۷ مخزن

ELECTRICAL POWER & CONTROL CABLE SCHEDULE

نگهداشت و افزایش تولید میدان نفتی بینک

D01	Nov.2023	IFA	H.Shakiba	M.Fakharian	S.Faramarzpour	
D00	June.2022	IFC	H.Shakiba	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 1	CLIENT Doc. Number: F0Z-709067
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status:	IDC: Inter-Discipline Check IFC: Issued For Comment IFA: Issued For Approval AFD: Approved For Design AFC: Approved For Construction AFP: Approved For Purchase AFQ: Approved For Quotation IFI: Issued For Information AB-R: As-Built for CLIENT Review AB-A: As-Built –Approved
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NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

ELECTRICAL POWER & CONTROL CABLE SCHEDULE



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه
D01	0002	LI	EL	120	PEDCO	GCS	BK

شماره صفحه: ۱۳ از ۱۳

REVISION RECORD SHEET

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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض								
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	ELECTRICAL POWER & CONTROL CABLE SCHEDULE								
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۳ از ۱۳
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	EL	LI	0002	D01	

1. ELECTRICAL CABLE NUMBERING SYSTEM

XXX-XXXX-XX
1 2 3

(1) 1ST Group (Cable Type Commodity Code):

H: High Voltage Power Cable (20 KV & Above)

M: Medium Voltage Power Cable (3.3, 6 KV & up to 20 KV)

L: Low Voltage Power Cable (Voltage Less Than 1KV)

C: Control Cables

I: Instrument Cable

(2) 2ND Group

From Equipment

(3) 3RD Group

Consumer Description: To Equipment Which will be fed.

2. CABLE TYPE

A: Cu/XLPE/Bd/Lsh/Bd/SWA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)

B: Cu/XLPE/Bd/SWA/PVC - N2XRY (LV MULTI-CORE)

C: Cu/XLPE/Bd/AWA/PVC - N2XRY (LV SINGLE-CORE)

D: Cu/PVC/Bd/Lsh/Bd/SWA/PVC - NYKYRY (CONTROL MULTI-CORE WITH LEAD SHEATH)

E: Cu/PVC/Bd/SWA/PVC - NYRY (CONTROL MULTI-CORE)

F: Cu/SC/XLPE/SC/SCT/Lsh/Bd/SWA/PVC - N2XSEYKYRY (MV MULTI-CORE WITH LEAD SHEATH)

G: Cu/SC/XLPE/SC/SCT/Lsh/Bd/AWA/PVC - N2XSYKYRY (MV SINGLE-CORE WITH LEAD SHEATH)

H: Cu/SC/XLPE /SC/SCT/CWS/Bd/AWA/PVC - N2XSYRY (MV SINGLE-CORE)

I: Cu/SC/XLPE/SC/SCT/ICWS/Bd/SWA/PVC - N2XSEYRY (MV MULTI-CORE)

J: CU/SM/XLPE/SM/SC/PVC/SWA/PVC - N2XSEYRY (HV MULTI-CORE)

K: CU/SM/XLPE/SM/SC/PVC/AWA/PVC - N2XSYRY (HV SINGLE-CORE)

R: Cu/PVC/OSCR/Bd/LSH/Bd/SWA/PVC (RTD CABLE)

S: CU/XLPE/PVC - N2XY (LV SINGLE-CORE FLEXIBLE)

Z: FIRE RESISTANT OR MICC LIGHTING CABLE (FOR HAZARDOUS AREAS SUCH AS BATTERY ROOMS ...)

Notes:

1- The control cable of IRP Pump will be supplied by vendor

Reference documents are as below:

Area Electrical Cable Route & Section Layout of Well Pads (BK-SSGRL-PEDCO-110-EL-PY-0006)

Electrical Cable Route & Section Layout For Switchgear Building of Well Pads (BK-SSGRL-PEDCO-110-EL-PY-0007)

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
1	D01	M-11SWGA-TR001	11	GCS-11-SWG-001A	GCS-TR-001	1250KVA	3×95	3C	95	-	-	70	M90	M90	79.1	I	Transformer-001 11/.42 KV	-
2	D01	C-11SWGA-RCP-01	0.11DC	GCS-11-SWG-001A	RCP	-	12×2.5	12C	2.5	-	-	40	M25	M25	24.4	E	From 11KV Switchgear A to RCP	-
3	D01	L-NSWGA-TR001-A1	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
4	D01	L-NSWGA-TR001-A2	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
5	D01	L-NSWGA-TR001-A3	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
6	D01	L-NSWGA-TR001-A4	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
7	D01	L-NSWGA-TR001-B1	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
8	D01	L-NSWGA-TR001-B2	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
9	D01	L-NSWGA-TR001-B3	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
10	D01	L-NSWGA-TR001-B4	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
11	D01	L-NSWGA-TR001-C1	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
12	D01	L-NSWGA-TR001-C2	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
13	D01	L-NSWGA-TR001-C3	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
14	D01	L-NSWGA-TR001-C4	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
15	D01	L-NSWGA-TR001-N1	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	-	300	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
16	D01	L-NSWGA-TR001-N2	0.4	GCS-400-NSWG-001A	GCS-TR-001	1250KVA	1×300	1C	-	300	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 001 to LV Switchgear	-
17	D01	C-NSWGA-TR001-1	0.11DC	GCS-400-NSWG-001A	GCS-TR-001	-	12×2.5	12C	2.5	-	-	20	M25	M25	24.4	E	Transformer 001 Mechanical Protection	-
18	D01	C-NSWGA-TR001-2	-	GCS-400-NSWG-001A	GCS-TR-001	-	3×4	3C	4	-	-	20	M20 A	M20 A	16.6	E	Neutral CT of Transformer 001	-
19	D01	C-NSWGA-TR001-3	0.11DC	GCS-400-NSWG-001A	GCS-TR-001	-	12×2.5	12C	2.5	-	-	50	M25	M25	24.4	E	Interlock/Intertrip to Upstream	-
20	D01	M-11SWGB-TR002	11	GCS-11-SWG-001B	GCS-TR-002	1250KVA	3×95	3C	95	-	-	70	M90	M90	79.1	I	Transformer-002 11/.42 KV	-
21	D01	C-11SWGB-RCP-02	0.11DC	GCS-11-SWG-001B	RCP	-	12×2.5	12C	2.5	-	-	40	M25	M25	24.4	E	From 11KV Switchgear B to RCP	-
22	D01	L-NSWGB-TR002-A1	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
23	D01	L-NSWGB-TR002-A2	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
24	D01	L-NSWGB-TR002-A3	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
25	D01	L-NSWGB-TR002-A4	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
26	D01	L-NSWGB-TR002-B1	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
27	D01	L-NSWGB-TR002-B2	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
28	D01	L-NSWGB-TR002-B3	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
29	D01	L-NSWGB-TR002-B4	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
30	D01	L-NSWGB-TR002-C1	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
31	D01	L-NSWGB-TR002-C2	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
32	D01	L-NSWGB-TR002-C3	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
33	D01	L-NSWGB-TR002-C4	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	300	-	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
34	D01	L-NSWGB-TR002-N1	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	-	300	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
35	D01	L-NSWGB-TR002-N2	0.4	GCS-400-NSWG-001B	GCS-TR-002	1250KVA	1×300	1C	-	300	-	20	M40	M40	34.2	C	from Secondary Side of Transformer 002 to LV Switchgear	-
36	D01	C-NSWGA-TR002-1	0.11DC	GCS-400-NSWG-001B	GCS-TR-002	-	12×2.5	12C	2.5	-	-	20	M25	M25	24.4	E	Transformer 002 Mechanical Protection	-
37	D01	C-NSWGA-TR002-2	-	GCS-400-NSWG-001B	GCS-TR-002	-	3×4	3C	4	-	-	20	M20 A	M20 A	16.6	E	Neutral CT of Transformer 002	-
38	D01	C-NSWGA-TR002-3	0.11DC	GCS-400-NSWG-001B	GCS-TR-002	-	12×2.5	12C	2.5	-	-	50	M25	M25	24.4	E	Interlock/Intertrip to Upstream	-
39	D01	M-11SWGB-TR003	11	GCS-11-SWG-001B	GCS-TR-03	800 kVA	3×95	3C	95	-	-	70	M90	M90	79.1	I	from Switchgear 11SWGB to Fire Water Transformer 003	-
40	D01	C-11SWGB-RCP-03	0.11DC	GCS-11-SWG-001B	RCP	-	12×2.5	12C	2.5	-	-	40	M25	M25	24.4	E	From 11SWGB Switchgear to RCP for Fire Water	-
41	D01	M-TR003-NGR	3.3	GCS-TR-003	GCS-3.3-NGR-01	-	1×95	1C	95	-	-	10	M40	M40	35.7	H	NGR	-
42	D01	C-3.3SWG-TR003-1	0.11DC	GCS-3.3-SWG-001	GCS-TR-03	-	12×2.5	12C	2.5	-	-	70	M25	M25	24.4	E	Transformer 003 Mechanical Protection	-
43	D01	C-3.3SWG-TR003-2	-	GCS-3.3-SWG-001	GCS-TR-03	-	3×4	3C	4	-	-	70	M20 A	M20 A	16.6	E	Neutral CT of Transformer 003	-
44	D01	M-3.3SWG-TR003	3.3	GCS-3.3-SWG-001	GCS-TR-03	-	3×95	3C	95	-	-	70	M75	M75	68.8	I	from 3.3 Switchgear to Transformer 003	-
45	D01	M-3.3SWG-P2301A	3.3	GCS-3.3-SWG-001	P-2301A	300	3×95	3C	95	-	-	250	M75	M75	68.8	I	Fire Water Electric Pump	36/40/41/42/56
46	D01	C-3.3SWG-LCS	0.11DC	GCS-3.3-SWG-001	P-2301A	-	10×2.5	10C	2.5	-	-	250	M32	M32		E	LCS for P-2301A	36/40/41/42/56
47	D01	C-3.3SWG-IRP	0.11DC	GCS-3.3-SWG-001	IRP (DCS)	-	7×2.5	7C	2.5	-	-	45	M25	M25	20	E	IRP (DCS) for P-2301A	-
48	D01	M-11SWGA-C2101-A	11	GCS-11-SWG-001A	C-2101A	1250	3×95	3C	95	-	-	270	M90	M90 EX	87.7	F	First & Second Stage Gas Compressor C-2101A	01/04/05/07/09/11/12

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
49	D01	L-11SWGGA-SPH-A	0.23	GCS-11-SWG-001A	Space Heater	0.3	2×4	2C	4	4	-	270	M25	M25 EX	21	A	Space Heater for Gas Compressor C-2101A	01/04/05/07/09/11/12
50	D01	C-11SWGGA-IRP-A	0.11DC	GCS-11-SWG-001A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	40	M25	M25	24.4	E	IRP (UCP-A) for Gas Compressor C-2101A	-
51	D01	C-11SWGGA-IRP-A (ESD)	0.11DC	GCS-11-SWG-001A	IRP (ESD)	-	3×2.5	3C	2.5	-	-	40	M25	M25	20.5	E	IRP (ESD) for Gas Compressor C-2101A	-
52	D01	C-11SWGGA-C2101-A	0.11DC	GCS-11-SWG-001A	C-2101A	-	3×4	3C	4	-	-	270	M25	M25 EX	22.6	D	Ammeter for Gas Compressor C-2101A	01/04/05/07/09/11/12
53	D01	C-11SWGGA-RTD2101-A	-	UCP-A	C-2101A	-	12×3×1.5	36C	1.5	-	-	300	M50	M50	41.0	R	RTD for Gas Compressor C-2101A (From Control Room)	01/04/05/07/09/11/12
54	D01	C-11SWGGA-2101-A	-	GCS-11-SWG-001A	C-2101A	-	3×6	3C	6	-	-	270	M25	M25 EX	23.5	D	Differential Protection of C-2101A	01/04/05/07/09/11/12
55	D01	M-11SWGGA-CAP-A	11	GCS-11-SWG-001A	Cap Bank A	360 kvar	3×95	3C	95	-	-	30	M90	M90	79.1	I	Capacitor Bank for Gas Compressor C-2101A	-
56	D01	C-11SWGGA-CAP-A	0.11DC	GCS-11-SWG-001A	Cap Bank A	-	7×2.5	7C	2.5	-	-	30	M25	M25	20	E	Control for Capacitor Bank of C-2101A	-
57	D01	L-NSWGA-MCC2101A	0.4	GCS-400-NSWG-001A	MCC-2101A	50	3×35+16	4C	35	16	-	25	M32	M32	32.1	B	Normal Panel for Gas Compressor C-2101A (Auxiliary)	-
58	D01	L-MCC2101A-OH	0.23	MCC-2101A	Oil Heater	1.5	2×16	2C	16	16	-	250	M32	M32 EX	27.2	A	Oil Heater for Gas Compressor C-2101A	01/04/05/07/09/11/12
59	D01	C-MCC2101A-OH	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Oil Heater C-2101A	-
60	D01	L-MCC2101A-BR	0.4	MCC-2101A	Barring Device Motor	2.2	3×6	3C	6	-	-	250	M25	M25 EX	23.5	A	Barring Device Motor for Gas Compressor C-2101A	01/04/05/07/09/11/12
61	D01	C-MCC2101A-BR01	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Barring Device Motor C-2101A	-
62	D01	C-MCC2101A-BR02	0.23	MCC-2101A	Barring Device Motor	-	3×4	3C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Barring Device Motor C-2101A	01/04/05/07/09/11/12
63	D01	L-MCC2101A-AP	0.4	MCC-2101A	Oil Pump	7.5	3×16	3C	16	-	-	250	M32	M32 EX	28.2	A	Oil Pump for Gas Compressor C-2101A (P-2101-AP A)	01/04/05/07/09/11/12
64	D01	C-MCC2101A-AP1	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Oil Pump C-2101A	-
65	D01	C-MCC2101A-AP2	0.23	MCC-2101A	Oil Pump	-	3×4	3C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Oil Pump C-2101A	01/04/05/07/09/11/12
66	D01	L-MCC2101A-OC	0.4	MCC-2101A	Oil Cooler	5.5	3×10	3C	10	-	-	250	M32	M32 EX	26.7	A	Lube Oil Cooler for Gas Compressor C-2101A (AE-2101-OC A)	01/04/05/07/09/11/12
67	D01	C-MCC2101A-OC1	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Lube Oil Cooler C-2101A	-
68	D01	C-MCC2101A-OC2	0.23	MCC-2101A	Oil Cooler	-	3×4	3C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Lube Oil Cooler Motor C-2101A	01/04/05/07/09/11/12
69	D01	L-MCC2101A-LP	0.4	MCC-2101A	Lubricator Pump	0.55	3×4	3C	4	-	-	250	M25	M25 EX	22.6	A	Cylinder Lubricator Pump for Gas Compressor C-2101A (M-2101-LP A)	01/04/05/07/09/11/12
70	D01	C-MCC2101A-LP1	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Cylinder Lubricator Pump C-2101A	-
71	D01	C-MCC2101A-LP2	0.23	MCC-2101A	Lubricator Pump	-	3×4	3C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Cylinder Lubricator Pump C-2101A	01/04/05/07/09/11/12
72	D01	L-MCC2101A-LH	0.23	MCC-2101A	Lubricator Heater	0.4	2×4	2C	4	4	-	250	M25	M25 EX	21	A	Cylinder Lubricator Oil Heater for Gas Compressor C-2101A	01/04/05/07/09/11/12
73	D01	C-MCC2101A-LH	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Cylinder Lubricator Oil Heater C-2101A	-
74	D01	L-MCC2101A-AX	0.4	MCC-2101A	Aux Pump Motor	7.5	3×16	3C	16	-	-	250	M32	M32 EX	28.2	A	Aux Pump Motor for Gas Compressor C-2101A (P-2101-AX A)	01/04/05/07/09/11/12
75	D01	C-MCC2101A-AX1	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Aux Pump Motor C-2101A	-
76	D01	C-MCC2101A-AX2	0.23	MCC-2101A	Aux Pump Motor	-	3×4	3C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Aux Pump Motor C-2101A	01/04/05/07/09/11/12
77	D01	L-MCC2101A-WP	0.4	MCC-2101A	Main Pump Motor	7.5	3×16	3C	16	-	-	250	M32	M32 EX	28.2	A	Main Pump Motor for Gas Compressor C-2101A (P-2101-WP A)	01/04/05/07/09/11/12
78	D01	C-MCC2101A-WP1	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Main Pump Motor C-2101A	-
79	D01	C-MCC2101A-WP2	0.23	MCC-2101A	Main Pump Motor	-	3×4	3C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Main Pump Motor C-2101A	01/04/05/07/09/11/12
80	D01	L-MCC2101A-WH	0.4	MCC-2101A	Electric Heater	12	3×70+35	4C	70	35	-	250	M50	M50 EX	47.9	A	Electric Heater for Gas Compressor C-2101A (P-2101-WH A)	01/04/05/07/09/11/12
81	D01	C-MCC2101A-WH	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Electric Heater C-2101A	-
82	D01	L-MCC2101A-WC	0.4	MCC-2101A	Water Console	4	3×10	3C	10	-	-	250	M32	M32 EX	26.7	A	Water Console Cooler Motor for Gas Compressor C-2101A (AE-2101-WC A)	01/04/05/07/09/11/12
83	D01	C-MCC2101A-WC1	0.23	MCC-2101A	IRP (UCP-A)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Water Console Cooler Motor C-2101A	-
84	D01	C-MCC2101A-WC2	0.23	MCC-2101A	Water Console	-	3×4	3C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Water Console Cooler Motor for Gas Compressor C-2101A	01/04/05/07/09/11/12
85	D01	M-11SWGB-C2101-B	11	GCS-11-SWG-001B	C-2101B	1250	3×95	3C	95	-	-	300	M90	M90 EX	87.7	F	First & Second Stage Gas Compressor C-2101B	01/04/05/07/09/11/13/14
86	D01	L-11SWGB-SPH-B	0.23	GCS-11-SWG-001B	Space Heater	0.3	2×4	2C	4	4	-	300	M25	M25 EX	21	A	Space Heater for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
87	D01	C-11SWGB-IRP-B	0.11DC	GCS-11-SWG-001B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	40	M25	M25	24.4	E	IRP (UCP-B) for Gas Compressor C-2101B	-
88	D01	C-11SWGB-IRP-B (ESD)	0.11DC	GCS-11-SWG-001B	IRP (ESD)	-	3×2.5	3C	2.5	-	-	40	M25	M25	20.5	E	IRP (ESD) for Gas Compressor C-2101B	-
89	D01	C-11SWGB-C2101-B	0.11DC	GCS-11-SWG-001B	C-2101B	-	3×4	3C	4	-	-	300	M25	M25 EX	22.6	D	Ammeter for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
90	D01	C-11SWGB-RTD2101-B	-	UCP-B	C-2101B	-	12×3×1.5	36C	1.5	-	-	330	M50	M50	41.0	R	RTD for Gas Compressor C-2101B (From Control Room)	01/04/05/07/09/11/13/14
91	D01	C-11SWGB-2101-B	-	GCS-11-SWG-001B	C-2101B	-	3×6	3C	6	-	-	300	M25	M25 EX	23.5	D	Differential Protection of C-2101B	01/04/05/07/09/11/13/14
92	D01	M-11SWGB-CAP-B	11	GCS-11-SWG-001B	Cap Bank B	360 kvar	3×95	3C	95	-	-	30	M90	M90	79.1	I	Capacitor Bank for Gas Compressor C-2101B	-
93	D01	C-11SWGB-CAP-B	0.11DC	GCS-11-SWG-001B	Cap Bank B	-	7×2.5	7C	2.5	-	-	30	M25	M25	20	E	Control for Capacitor Bank of C-2101B	-
94	D01	L-NSWGB-MCC2101B	0.4	GCS-400-NSWG-001B	MCC-2101B	50	3×35+16	4C	35	16	-	25	M32	M32	32.1	B	Normal Panel for Gas Compressor C-2101B (Auxiliary)	-
95	D01	L-MCC2101B-OH	0.23	MCC-2101B	Oil Heater	1.5	2×16	2C	16	16	-	280	M32	M32 EX	27.2	A	Oil Heater for Gas Compressor C-2101A	01/04/05/07/09/11/13/14

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
96	D01	C-MCC2101B-OH	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Oil Heater C-2101B	-
97	D01	L-MCC2101B-BR	0.4	MCC-2101B	Barring Device Motor	2.2	3×6	3C	6	-	-	280	M25	M25 EX	23.5	A	Barring Device Motor for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
98	D01	C-MCC2101B-BR1	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Barring Device Motor C-2101B	-
99	D01	C-MCC2101B-BR2	0.23	MCC-2101B	Barring Device Motor	-	3×4	3C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Barring Device Motor for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
100	D01	L-MCC2101B-AP	0.4	MCC-2101B	Oil Pump	7.5	3×16	3C	16	-	-	280	M32	M32 EX	28.2	A	Oil Pump for Gas Compressor C-2101B (P-2101-AP B)	01/04/05/07/09/11/13/14
101	D01	C-MCC2101B-AP1	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Oil Pump C-2101B	-
102	D01	C-MCC2101B-AP2	0.23	MCC-2101B	Oil Pump	-	3×4	3C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Oil Pump for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
103	D01	L-MCC2101B-OC	0.4	MCC-2101B	Oil Cooler	5.5	3×10	3C	10	-	-	280	M32	M32 EX	26.7	A	Lube Oil Cooler for Gas Compressor C-2101B (AE-2101-OC B)	01/04/05/07/09/11/13/14
104	D01	C-MCC2101B-OC1	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Lube Oil Cooler C-2101B	-
105	D01	C-MCC2101B-OC2	0.23	MCC-2101B	Oil Cooler	-	3×4	3C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Lube Oil Cooler for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
106	D01	L-MCC2101B-LP	0.4	MCC-2101B	Lubricator Pump	0.55	3×4	3C	4	-	-	280	M25	M25 EX	22.6	A	Cylinder Lubricator Pump for Gas Compressor C-2101B (M-2101-LP B)	01/04/05/07/09/11/13/14
107	D01	C-MCC2101B-LP1	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Cylinder Lubricator Pump C-2101B	-
108	D01	C-MCC2101B-LP2	0.23	MCC-2101B	Lubricator Pump	-	3×4	3C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Cylinder Lubricator Pump for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
109	D01	L-MCC2101B-LH	0.23	MCC-2101B	Lubricator Heater	0.4	2×4	2C	4	4	-	280	M25	M25 EX	21	A	Cylinder Lubricator Oil Heater for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
110	D01	C-MCC2101B-LH	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Cylinder Lubricator Oil Heater C-2101B	-
111	D01	L-MCC2101B-AX	0.4	MCC-2101B	Aux Pump Motor	7.5	3×16	3C	16	-	-	280	M32	M32 EX	28.2	A	Aux Pump for Gas Compressor C-2101B (P-2101-AX B)	01/04/05/07/09/11/13/14
112	D01	C-MCC2101B-AX1	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Aux Pump Motor C-2101B	-
113	D01	C-MCC2101B-AX2	0.23	MCC-2101B	Aux Pump Motor	-	3×4	3C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Aux Pump for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
114	D01	L-MCC2101B-WP	0.4	MCC-2101B	Main Pump Motor	7.5	3×16	3C	16	-	-	280	M32	M32 EX	28.2	A	Main Pump for Gas Compressor C-2101B (P-2101-WP B)	01/04/05/07/09/11/13/14
115	D01	C-MCC2101B-WP1	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Main Pump Motor C-2101B	-
116	D01	C-MCC2101B-WP2	0.23	MCC-2101B	Main Pump Motor	-	3×4	3C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Main Pump for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
117	D01	L-MCC2101B-WH	0.4	MCC-2101B	Electric Heater	12	3×70+35	4C	70	35	-	280	M50	M50 EX	47.9	A	Electric Heater for Gas Compressor C-2101B (P-2101-WH B)	01/04/05/07/09/11/13/14
118	D01	C-MCC2101B-WH	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Electric Heater C-2101B	-
119	D01	L-MCC2101B-WC	0.4	MCC-2101B	Water Console	4	3×10	3C	10	-	-	280	M32	M32 EX	26.7	A	Water Console Cooler Motor for Gas Compressor C-2101B (AE-2101-WC B)	01/04/05/07/09/11/13/14
120	D01	C-MCC2101B-WC1	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) forWater Console Cooler Motor C-2101B	-
121	D01	C-MCC2101B-WC2	0.23	MCC-2101B	Water Console	-	3×4	3C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Water Console Cooler Motor for Gas Compressor C-2101B	01/04/05/07/09/11/13/14
122	D01	M-11SWG-C2101-C	11	GCS-11-SWG-001C	C-2101C	1250	3×95	3C	95	-	-	330	M90	M90 EX	87.7	F	First & Second Stage Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
123	D01	L-11SWG-SPH-C	0.23	GCS-11-SWG-001C	Space Heater	0.3	2×4	2C	4	4	-	330	M25	M25 EX	21	A	Space Heater for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
124	D01	C-11SWG-IRP-C	0.11DC	GCS-11-SWG-001C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	40	M25	M25	24.4	E	IRP (UCP-C) for Gas Compressor C-2101C	-
125	D01	C-11SWG-IRP-C (ESD)	0.11DC	GCS-11-SWG-001C	IRP (ESD)	-	3×2.5	3C	2.5	-	-	40	M25	M25	20.5	E	IRP (ESD) for Gas Compressor C-2101C	-
126	D01	C-11SWG-C2101-C	0.11DC	GCS-11-SWG-001C	C-2101C	-	3×4	3C	4	-	-	330	M25	M25 EX	22.6	D	Ammeter for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
127	D01	C-11SWG-RTD2101-C	-	UCP-C	C-2101C	-	12×3×1.5	36C	1.5	-	-	360	M50	M50	41.0	R	RTD for Gas Compressor C-2101C (From Control Room)	01/04/05/07/09/11/13/15/16
128	D01	C-11SWG-C2101-C	-	GCS-11-SWG-001C	C-2101C	-	3×6	3C	6	-	-	330	M25	M25 EX	23.5	D	Differential Protection of C-2101C	01/04/05/07/09/11/13/15/16
129	D01	M-11SWG-CAP-C	11	GCS-11-SWG-001C	Cap Bank C	360 kvar	3×95	3C	95	-	-	30	M90	M90	79.1	I	Capacitor Bank for Gas Compressor C-2101C	-
130	D01	C-11SWG-CAP-C	0.11DC	GCS-11-SWG-001C	Cap Bank C	-	7×2.5	7C	2.5	-	-	30	M25	M25	20	E	Control for Capacitor Bank of C-2101C	-
131	D01	L-NSWG-mcc2101C	0.4	GCS-400-NSWG-001C	MCC-2101C	50	3×35+16	4C	35	16	-	25	M32	M32	32.1	B	Normal Panel for Gas Compressor C-2101C (Auxiliary)	-
132	D01	L-MCC2101C-OH	0.23	MCC-2101C	Oil Heater	1.5	2×16	2C	16	16	-	310	M32	M32 EX	27.2	A	Oil Heater for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
133	D01	C-MCC2101C-OH	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Oil Heater C-2101C	-
134	D01	L-MCC2101C-BR	0.4	MCC-2101C	Barring Device Motor	2.2	3×6	3C	6	-	-	310	M25	M25 EX	23.5	A	Barring Device Motor for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
135	D01	C-MCC2101C-BR1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Barring Device Motor C-2101C	-
136	D01	C-MCC2101C-BR2	0.23	MCC-2101C	Barring Device Motor	-	3×4	3C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Barring Device Motor for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
137	D01	L-MCC2101C-AP	0.4	MCC-2101C	Oil Pump	7.5	3×16	3C	16	-	-	310	M32	M32 EX	28.2	A	Oil Pump for Gas Compressor C-2101C (P-2101-AP C)	01/04/05/07/09/11/13/15/16
138	D01	C-MCC2101C-AP1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Oil Pump C-2101C	-
139	D01	C-MCC2101C-AP2	0.23	MCC-2101C	Oil Pump	-	3×4	3C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Oil Pump for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
140	D01	L-MCC2101C-OC	0.4	MCC-2101C	Oil Cooler	5.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	Lube Oil Cooler for Gas Compressor C-2101C (AE-2101-OC C)	01/04/05/07/09/11/13/15/16
141	D01	C-MCC2101C-OC1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Lube Oil Cooler C-2101C	-
142	D01	C-MCC2101C-OC2	0.23	MCC-2101C	Oil Cooler	-	3×4	3C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Lube Oil Cooler for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
143	D01	L-MCC2101C-LP	0.4	MCC-2101C	Lubricator Pump	0.55	3×4	3C	4	-	-	310	M25	M25 EX	22.6	A	Cylinder Lubricator Pump for Gas Compressor C-2101C (M-2101-LP C)	01/04/05/07/09/11/13/15/16
144	D01	C-MCC2101C-LP1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Cylinder Lubricator Pump C-2101C	-
145	D01	C-MCC2101C-LP2	0.23	MCC-2101C	Lubricator Pump	-	3×4	3C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Cylinder Lubricator for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
146	D01	L-MCC2101C-LH	0.23	MCC-2101C	Lubricator Heater	0.4	2×4	2C	4	4	-	310	M25	M25 EX	21	A	Cylinder Lubricator Oil Heater for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
147	D01	C-MCC2101C-LH	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Cylinder Lubricator Oil Heater C-2101C	-
148	D01	L-MCC2101C-AX	0.4	MCC-2101C	Aux Pump Motor	7.5	3×16	3C	16	-	-	310	M32	M32 EX	28.2	A	Aux Pump Motor for Gas Compressor C-2101B (P-2101-AX C)	01/04/05/07/09/11/13/15/16
149	D01	C-MCC2101C-AX1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Aux Pump Motor C-2101C	-
150	D01	C-MCC2101C-AX2	0.23	MCC-2101C	Aux Pump Motor	-	3×4	3C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Aux Pump Motor for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
151	D01	L-MCC2101C-WP	0.4	MCC-2101C	Main Pump Motor	7.5	3×16	3C	16	-	-	310	M32	M32 EX	28.2	A	Main Pump Motor for Gas Compressor C-2101C (P-2101-WP C)	01/04/05/07/09/11/13/15/16
152	D01	C-MCC2101C-WP1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Main Pump Motor C-2101C	-
153	D01	C-MCC2101C-WP2	0.23	MCC-2101C	Main Pump Motor	-	3×4	3C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Main Pump Motor for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
154	D01	L-MCC2101C-WH	0.4	MCC-2101C	Electric Heater	12	3×70+35	4C	70	35	-	310	M50	M50 EX	47.9	A	Electric Heater for Gas Compressor C-2101B (P-2101-WH C)	01/04/05/07/09/11/13/15/16
155	D01	C-MCC2101C-WH	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Electric Heater C-2101C	-
156	D01	L-MCC2101C-WC	0.4	MCC-2101C	Water Console	4	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	Water Console Cooler Motor for Gas Compressor C-2101C (AE-2101-WC C)	01/04/05/07/09/11/13/15/16
157	D01	C-MCC2101C-WC1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	2.5	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Water Console Cooler Motor C-2101C	-
158	D01	C-MCC2101C-WC2	0.23	MCC-2101C	Water Console	-	3×4	3C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Water Console Cooler Motor for Gas Compressor C-2101C	01/04/05/07/09/11/13/15/16
159	D01	L-NSWGA-AC2121A	0.4	GCS-400-NSWG-001A	AC-2101A1	5.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	First Stage Air Cooler 01A1	01/04/22/24/25/27/28
160	D01	C-NSWGA-AC2121A-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 01A1	-
161	D01	C-NSWGA-AC2121A-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	310	M32	M32 EX	29.0	D	LCS for Air Cooler 01A1	01/04/22/24/25/27/28
162	D01	L-NSWGA-AC2122A	0.4	GCS-400-NSWG-001A	AC-2101A2	5.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	First Stage Air Cooler 01A2	01/04/22/24/25/27/28
163	D01	C-NSWGA-AC2122A-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 01A2	-
164	D01	C-NSWGA-AC2122A-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	310	M32	M32 EX	29.0	D	LCS for Air Cooler 01A2	01/04/22/24/25/27/28
165	D01	L-NSWGB-AC2121B	0.4	GCS-400-NSWG-001B	AC-2101B1	5.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	First Stage Air Cooler 01B1	01/04/22/24/25/27/29/30
166	D01	C-NSWGB-AC2121B-02	0.23	GCS-400-NSWG-001B	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 01B1	-
167	D01	C-NSWGB-AC2121B-03	0.23	GCS-400-NSWG-001B	LCS	-	10×2.5	10C	2.5	-	-	340	M32	M32 EX	29.0	D	LCS for Air Cooler 01B1	01/04/22/24/25/27/29/30
168	D01	L-NSWGB-AC2122B	0.4	GCS-400-NSWG-001B	AC-2101B2	5.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	First Stage Air Cooler 01B2	01/04/22/24/25/27/29/30
169	D01	C-NSWGB-AC2122B-02	0.23	GCS-400-NSWG-001B	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 01B2	-
170	D01	C-NSWGB-AC2122B-03	0.23	GCS-400-NSWG-001B	LCS	-	10×2.5	10C	2.5	-	-	340	M32	M32 EX	29.0	D	LCS for Air Cooler 01B2	01/04/22/24/25/27/29/30
171	D01	L-NSWGA-AC2121C	0.4	GCS-400-NSWG-001A	AC-2101C1	5.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	First Stage Air Cooler 01C1	01/04/22/24/25/27/29/31/32
172	D01	C-NSWGA-AC2121C-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 01C1	-
173	D01	C-NSWGA-AC2121C-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	370	M32	M32 EX	29.0	D	LCS for Air Cooler 01C1	01/04/22/24/25/27/29/31/32
174	D01	L-NSWGA-AC2122C	0.4	GCS-400-NSWG-001A	AC-2101C2	5.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	First Stage Air Cooler 01C2	01/04/22/24/25/27/29/31/32
175	D01	C-NSWGA-AC2122C-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 01C2	-
176	D01	C-NSWGA-AC2122C-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	370	M32	M32 EX	29.0	D	LCS for Air Cooler 01C2	01/04/22/24/25/27/29/31/32
177	D01	L-NSWGA-AC2131A	0.4	GCS-400-NSWG-001A	AC-2102A1	5.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	Second Stage Air Cooler 02A1	01/04/22/24/25/27/28
178	D01	C-NSWGA-AC2131A-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 02A1	-
179	D01	C-NSWGA-AC2131A-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	310	M32	M32 EX	29.0	D	LCS for Air Cooler 02A1	01/04/22/24/25/27/28
180	D01	L-NSWGA-AC2132A	0.4	GCS-400-NSWG-001A	AC-2102A2	5.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	Second Stage Air Cooler 02A2	01/04/22/24/25/27/28
181	D01	C-NSWGA-AC2132A-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 02A2	-
182	D01	C-NSWGA-AC2132A-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	310	M32	M32 EX	29.0	D	LCS for Air Cooler 02A2	01/04/22/24/25/27/28
183	D01	L-NSWGB-AC2131B	0.4	GCS-400-NSWG-001B	AC-2102B1	5.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	Second Stage Air Cooler 02B1	01/04/22/24/25/27/29/30
184	D01	C-NSWGB-AC2131B-02	0.23	GCS-400-NSWG-001B	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP-DCS & ESD for Air Cooler 02B1	-
185	D01	C-NSWGB-AC2131B-03	0.23	GCS-400-NSWG-001B	LCS	-	10×2.5	10C	2.5	-	-	340	M32	M32 EX	29.0	D	LCS for Air Cooler 02B1	01/04/22/24/25/27/29/30
186	D01	L-NSWGB-AC2132B	0.4	GCS-400-NSWG-001B	AC-2102B2	5.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	Second Stage Air Cooler 02B2	01/04/22/24/25/27/29/30
187	D01	C-NSWGB-AC2132B-02	0.23	GCS-400-NSWG-001B	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M20 A	M20 A	17.7	E	IRP--DCS & ESD for Air Cooler 02B2	-
188	D01	C-NSWGB-AC2132B-03	0.23	GCS-400-NSWG-001B	LCS	-	10×2.5	10C	2.5	-	-	340	M32	M32 EX	29.0	D	LCS for Air Cooler 02B2	01/04/22/24/25/27/29/30
189	D01	L-NSWGA-AC2131C	0.4	GCS-400-NSWG-001A	AC-2102C1	5.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	Second Stage Air Cooler 02C1	01/04/22/24/25/27/29/31/32

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
190	D01	C-NSWGA-AC2131C-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Air Cooler 02C1	-
191	D01	C-NSWGA-AC2131C-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	370	M32	M32 EX	29.0	D	LCS for Air Cooler 02C1	01/04/22/24/25/27/29/31/32
192	D01	L-NSWGA-AC2132C	0.4	GCS-400-NSWG-001A	AC-2102C2	5.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	Second Stage Air Cooler 02C2	01/04/22/24/25/27/29/31/32
193	D01	C-NSWGA-AC2132C-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	12C	2.5	-	-	25	M25	M25	24.4	E	IRP-DCS & ESD for Air Cooler 02C2	-
194	D01	C-NSWGA-AC2132C-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	370	M32	M32 EX	29.0	D	LCS for Air Cooler 02C2	01/04/22/24/25/27/29/31/32
195	D01	L-NSWGE-PKC2203A1	0.4	GCS-400-NSWG-001E	PK-C-2203A	80	3×120+70	4C	120	70	-	270	M63	M63 EX	59.3	A	Instrument & Plant Air Package A	36/40/44/45/46/47
196	D01	L-NSWGE-PKC2203A2	0.4	GCS-400-NSWG-001E	PK-C-2203A	80	3×120+70	4C	120	70	-	270	M63	M63 EX	59.3	A	Instrument & Plant Air Package A	36/40/44/45/46/47
197	D01	L-NSWGE-PKC2203B1	0.4	GCS-400-NSWG-001E	PK-C-2203B	80	3×120+70	4C	120	70	-	270	M63	M63 EX	59.3	A	Instrument & Plant Air Package B	36/40/44/45/46/47
198	D01	L-NSWGE-PKC2203B2	0.4	GCS-400-NSWG-001E	PK-C-2203B	80	3×120+70	4C	120	70	-	270	M63	M63 EX	59.3	A	Instrument & Plant Air Package B	36/40/44/45/46/47
199	D01	L-NSWGA-PK2204-1	0.4	GCS-400-NSWG-001A	PK-2204	75	3×120+70	4C	120	70	-	280	M50	M50	51.9	B	Nitrogen Package	36/40/44/45/46/48/49/50
200	D01	L-NSWGA-PK2204-2	0.4	GCS-400-NSWG-001A	PK-2204	75	3×120+70	4C	120	70	-	280	M50	M50	51.9	B	Nitrogen Package	36/40/44/45/46/48/49/50
201	D01	L-NSWGB-PK2201	0.4	GCS-400-NSWG-001B	PK-2201	30	3×120+70	4C	120	70	-	420	M63	M63	59.3	Z	LP Flare Package	36/40/44/45/46/48/52
202	D01	L-NSWGA-PK2207	0.4	GCS-400-NSWG-001A	PK-2207	3	4×10	4C	10	10	-	250	M32	M32 EX	28.1	A	Corrosion Inhibitor Package (Chemical Package)	01/04/05/07/08
203	D01	L-NSWGB-PK2101	0.4	GCS-400-NSWG-001B	PK-2101	60	3×95+50	4C	95	50	-	25	M63	M63 EX	53.8	A	Dehydration Package	-
204	D01	L-PK2101-P100A	0.4	PK-2101	P-100/A	2.2	3×6	3C	6	-	-	330	M25	M25 EX	23.5	A	Lean Teg Circulation Pump A	01/04/05/07/09/11/13/15/17/18
205	D01	C-PK2101-P100A2	0.23	PK-2101	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Lean Teg Circulation Pump A	-
206	D01	C-PK2101-P100A3	0.23	PK-2101	LCS	-	10×2.5	10C	2.5	-	-	330	M32	M32 EX	29.0	D	LCS for Lean Teg Circulation Pump A	01/04/05/07/09/11/13/15/17/18
207	D01	L-PK2101-P100B	0.4	PK-2101	P-100/B	2.2	3×6	3C	6	-	-	330	M25	M25 EX	23.5	A	Lean Teg Circulation Pump B	01/04/05/07/09/11/13/15/17/18
208	D01	C-PK2101-P100B2	0.23	PK-2101	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Lean Teg Circulation Pump B	-
209	D01	C-PK2101-P100B3	0.23	PK-2101	LCS	-	10×2.5	10C	2.5	-	-	330	M32	M32 EX	29.0	D	LCS for Lean Teg Circulation Pump B	01/04/05/07/09/11/13/15/17/18
210	D01	L-NSWGA-P2203A	0.4	GCS-400-NSWG-001A	P-2203A	2.2	3×10	3C	10	-	-	400	M32	M32 EX	26.7	A	Sump Pump A	01/04/22/24/25/27/29/31/33/34
211	D01	C-NSWGA-P2203A-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Sump Pump A	-
212	D01	C-NSWGA-P2203A-03	0.23	GCS-400-NSWG-001A	LCS	-	7×2.5	7C	2.5	-	-	400	M25	M25 EX	25.3	D	LCS for Sump Pump A	01/04/22/24/25/27/29/31/33/34
213	D01	L-NSWGB-P2203B	0.4	GCS-400-NSWG-001B	P-2203B	2.2	3×10	3C	10	-	-	400	M32	M32 EX	26.7	A	Sump Pump B	01/04/22/24/25/27/29/31/33/34
214	D01	C-NSWGB-P2203B-02	0.23	GCS-400-NSWG-001B	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Sump Pump B	-
215	D01	C-NSWGB-P2203B-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	400	M25	M25 EX	25.3	D	LCS for Sump Pump B	01/04/22/24/25/27/29/31/33/34
216	D01	L-NSWGA-P-2202A	0.4	GCS-400-NSWG-001A	P-2202A	7.5	3×25	3C	25	-	-	410	M32	M32 EX	32.4	A	Closed Drain Pump A	01/04/22/24/25/27/29/31/33/34
217	D01	C-NSWGA-P-2202A-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Closed Drain Pump A	-
218	D01	C-NSWGA-P-2202A-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	410	M32	M32 EX	29.0	D	LCS for Closed Drain Pump A	01/04/22/24/25/27/29/31/33/34
219	D01	L-NSWGB-P-2202B	0.4	GCS-400-NSWG-001B	P-2202B	7.5	3×25	3C	25	-	-	410	M32	M32 EX	32.4	A	Closed Drain Pump B	01/04/22/24/25/27/29/31/33/34
220	D01	C-NSWGB-P-2202B-02	0.23	GCS-400-NSWG-001B	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Closed Drain Pump B	-
221	D01	C-NSWGB-P-2202B-03	0.23	GCS-400-NSWG-001B	LCS	-	10×2.5	10C	2.5	-	-	410	M32	M32 EX	29.0	D	LCS for Closed Drain Pump B	01/04/22/24/25/27/29/31/33/34
222	D01	L-NSWGA-P-2101A	0.4	GCS-400-NSWG-001A	P-2101A	11	3×16	3C	16	-	-	210	M32	M32 EX	28.2	A	Slug Pump A	01/04/05/06
223	D01	C-NSWGA-P-2101A-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Slug Pump A	-
224	D01	C-NSWGA-P-2101A-03	0.23	GCS-400-NSWG-001A	LCS	-	10×2.5	10C	2.5	-	-	210	M32	M32 EX	29.0	D	LCS for Slug Pump A	01/04/05/06
225	D01	L-NSWGB-P-2101B	0.4	GCS-400-NSWG-001B	P-2101B	11	3×16	3C	16	-	-	210	M32	M32 EX	28.2	A	Slug Pump B	01/04/05/06
226	D01	C-NSWGB-P-2101B-02	0.23	GCS-400-NSWG-001B	IRP-DCS & ESD	-	16×2.5	12C	2.5	-	-	25	M25	M25	24.4	E	IRP--DCS & ESD for Slug Pump B	-
227	D01	C-NSWGB-P-2101B-03	0.23	GCS-400-NSWG-001B	LCS	-	10×2.5	10C	2.5	-	-	210	M32	M32 EX	29.0	D	LCS for Slug Pump B	01/04/05/06
228	D01	L-NSWGA-P-2302A	0.4	GCS-400-NSWG-001A	P-2302A	22	3×35	3C	35	-	-	215	M32	M32	28.6	B	Fire Water Jockey Pump A	36/40/41/42/43
229	D01	C-NSWGA-P-2302A	0.23	GCS-400-NSWG-001A	LCS	-	3×4	3C	4	-	-	215	M20 A	M20 A	16.6	B	Ammeter for Fire Water Jockey Pump A	36/40/41/42/43
230	D01	L-NSWGB-P-2302B	0.4	GCS-400-NSWG-001B	P-2302B	22	3×35	3C	35	-	-	215	M32	M32	28.6	B	Fire Water Jockey Pump B	36/40/41/42/43
231	D01	C-NSWGB-P-2302B	0.23	GCS-400-NSWG-001B	LCS	-	3×4	3C	4	-	-	215	M20 A	M20 A	16.6	B	LCS for Fire Water Jockey Pump B	36/40/41/42/43
232	D01	L-NSWGA-P-2209	0.4	GCS-400-NSWG-001A	P-2209	2.2	3×4	3C	4	-	-	90	M20 A	M20 A	16.6	B	Potable Water Pump	01/03
233	D01	C-NSWGA-P-2209-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	12×2.5	12C	2.5	-	-	25	M25	M25	24.4	E	IRP--DCS & ESD for Potable Water Pump	-
234	D01	C-NSWGA-P-2209-03	0.23	GCS-400-NSWG-001A	LCS	-	7×2.5	7C	2.5	-	-	90	M25	M25	20	E	LCS for Potable Water Pump	01/03
235	D01	L-NSWGA-P-2206	0.4	GCS-400-NSWG-001A	P-2206	1.1	3×4	3C	4	-	-	215	M20 A	M20 A	16.6	B	Diesel Oil Pump	36/40/41/54
236	D01	L-NSWGE-P-2201A	0.4	GCS-400-NSWG-001E	P-2201A	4	3×16	3C	16	-	-	420	M32	M32 EX	28.2	A	LP Flare K.O. Drum Pump A	01/04/22/24/25/27/29/31/33/34

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
237	D01	C-NSWGE-P-2201A-02	0.23	GCS-400-NSWG-001E	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for LP Flare K.O. Drum Pump A	-
238	D01	C-NSWGE-P-2201A-03	0.23	GCS-400-NSWG-001E	LCS	-	10×2.5	7C	2.5	-	-	420	M32	M32 EX	29.0	D	LCS for LP Flare K.O. Drum Pump A	01/04/22/24/25/27/29/31/33/34
239	D01	L-NSWGE-P-2201B	0.4	GCS-400-NSWG-001E	P-2201B	4	3×16	3C	16	-	-	420	M32	M32 EX	28.2	A	LP Flare K.O. Drum Pump B	01/04/22/24/25/27/29/31/33/34
240	D01	C-NSWGE-P-2201B-02	0.23	GCS-400-NSWG-001E	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for LP Flare K.O. Drum Pump B	-
241	D01	C-NSWGE-P-2201B-03	0.23	GCS-400-NSWG-001E	LCS	-	10×2.5	10C	2.5	-	-	420	M32	M32 EX	29.0	D	LCS for LP Flare K.O. Drum Pump B	01/04/22/24/25/27/29/31/33/34
242	D01	L-NSWGA-P-2103A	0.4	GCS-400-NSWG-001A	P-2103A	1.5	3×4	3C	4	-	-	370	M25	M25 EX	22.6	A	Glycol Transfer Pump A	01/04/05/07/09/11/13/15/17/19/21
243	D01	C-NSWGA-P-2103A-02	0.23	GCS-400-NSWG-001A	IRP-DCS & ESD	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Glycol Transfer Pump A	-
244	D01	C-NSWGA-P-2103A-03	0.23	GCS-400-NSWG-001A	LCS	-	7×2.5	7C	2.5	-	-	370	M25	M25 EX	25.3	D	LCS for Glycol Transfer Pump A	01/04/05/07/09/11/13/15/17/19/21
245	D01	L-NSWGB-P-2103B	0.4	GCS-400-NSWG-001B	P-2103B	1.5	3×4	3C	4	-	-	370	M25	M25 EX	22.6	A	Glycol Transfer Pump B	01/04/05/07/09/11/13/15/17/19/21
246	D01	C-NSWGB-P-2103B-02	0.23	GCS-400-NSWG-001B	IRP (DCS)	-	16×2.5	15C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS for Glycol Transfer Pump B	-
247	D01	C-NSWGB-P-2103B-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	370	M25	M25 EX	25.3	D	LCS for Glycol Transfer Pump B	01/04/05/07/09/11/13/15/17/19/21
248	D01	L-NSWGB-P-2104	0.4	GCS-400-NSWG-001B	P-2104	1.1	3×4	3C	4	-	-	400	M25	M25 EX	22.6	A	Glycol Drain Pump	01/04/22/24/25/27/29/31/33/34
249	D01	C-NSWGB-P-2104-02	0.23	GCS-400-NSWG-001B	IRP (DCS)	-	16×2.5	17C	2.5	-	-	25	M32	M32	27.1	E	IRP--DCS & ESD for Glycol Drain Pump	-
250	D01	C-NSWGB-P-2104-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	400	M25	M25 EX	25.3	D	LCS for Glycol Drain Pump	01/04/22/24/25/27/29/31/33/34
251	D01	L-NSWGB-CR-01	0.4	GCS-400-NSWG-001B	GCS-400-CR-01	10	3×25+16	4C	25	16	-	260	M40	M40 EX	34.4	A	Main Compressor Crane	01/04/05/07/09/11/12
252	D01	L-NSWGA-CR-02	0.4	GCS-400-NSWG-001A	GCS-400-CR-02	5	4×10	4C	10	10	-	200	M25	M25	22.1	B	Fire Water Pumps Crane	36/40/41/42
253	D01	L-NSWGA-MCC-01	0.4	GCS-400-NSWG-001A	GCS-400-MCC-01	20	4×50	4C	50	50	-	250	M50	M50 EX	42.2	A	Process Area Normal Lighting Panel	01/04/05/07/09/10
254	D01	L-NSWGE-EDP-01	0.4	GCS-400-NSWG-001E	GCS-400-EDP-01	10	4×25	4C	25	25	-	250	M40	M40 EX	34.4	A	Process Area Emergency Lighting Panel	01/04/05/07/09/10
255	D01	L-NSWGB-MCC-02	0.4	GCS-400-NSWG-001B	GCS-400-MCC-02	10	4×25	4C	25	25	-	220	M32	M32	28.4	B	Utility Area Normal Lighting Panel	36/40/41/42/43
256	D01	L-NSWGE-EDP-02	0.4	GCS-400-NSWG-001E	GCS-400-EDP-02	5	4×10	4C	10	10	-	220	M25	M25	22.1	B	Utility Area Emergency Lighting Panel	36/40/41/42/43
257	D01	L-NSWGA-WS-PR-01	0.4	GCS-400-NSWG-001A	WS-PR-01	35	3×50+25	4C	50	25	-	250	M50	M50 EX	42.2	A	First Welding Receptacle (Process Area)	01/04/05/07/09/11/12
258	D01	L-WS-PR-01-WS-PR-02	0.4	WS-PR-01	WS-PR-02	35	3×50+25	4C	50	25	-	75	M50	M50 EX	42.2	A	to Junction Box for Second Welding Receptacle (Process Area)	Site Run
259	D01	L-WS-PR-01-SC-PR-01	0.23	WS-PR-01	SC-PR-01	3	3×4	3C	4	4	-	2	M25	M25 EX	22.6	A	to Junction Box for First Outlet Socket (Process Area)	-
260	D01	L-WS-PR-02-SC-PR-02	0.23	WS-PR-02	SC-PR-02	3	3×4	3C	4	4	-	2	M25	M25 EX	22.6	A	to Junction Box for Second Outlet Socket (Process Area)	-
261	D01	L-NSWGB-WS-PR-03	0.4	GCS-400-NSWG-001B	WS-PR-03	35	3×50+25	4C	50	25	-	310	M50	M50 EX	42.2	A	Third Welding Receptacle (Process Area)	01/04/22/24/25/27/28
262	D01	L-WS-PR-03-WS-PR-04	0.4	WS-PR-03	WS-PR-04	35	3×50+25	4C	50	25	-	50	M50	M50 EX	42.2	A	to Junction Box for Fourth Welding Receptacle (Process Area)	Site Run
263	D01	L-WS-PR-03-SC-PR-03	0.23	WS-PR-03	SC-PR-03	3	3×4	3C	4	4	-	2	M25	M25 EX	22.6	A	to Junction Box for Third Welding Receptacle (Process Area)	-
264	D01	L-WS-PR-04-WS-PR-05	0.4	WS-PR-04	WS-PR-05	35	3×50+25	4C	50	25	-	60	M50	M50 EX	42.2	A	to Junction Box for Fifth Welding Receptacle (Process Area)	Site Run
265	D01	L-WS-PR-04-SC-PR-04	0.23	WS-PR-04	SC-PR-04	3	3×4	3C	4	4	-	2	M25	M25 EX	22.6	A	to Junction Box for Fourth Outlet Socket (Process Area)	-
266	D01	L-WS-PR-05-WS-SC-05	0.23	WS-PR-05	SC-PR-05	3	3×4	3C	4	4	-	2	M25	M25 EX	22.6	A	to Junction Box for Fifth Outlet Socket (Process Area)	-
267	D01	L-NSWGA-WS-UT-01	0.4	GCS-400-NSWG-001A	WS-UT-01	35	3×50+25	4C	50	25	-	225	M40	M40	36.3	B	First Welding Receptacle (Utility Area)	36/40/41/42/43
268	D01	L-WS-UT-01-SC-UT-01	0.23	WS-UT-01	SC-UT-01	3	3×4	3C	4	4	-	2	M20 A	M20 A	16.6	B	to Junction Box for First Outlet Socket (Utility Area)	-
269	D01	L-NSWGB-WS-UT-02	0.4	GCS-400-NSWG-001B	WS-UT-02	35	3×50+25	4C	50	25	-	275	M40	M40	36.3	B	Second Welding Receptacle (Utility Area)	36/40/44/45/46/47
270	D01	L-WS-UT-02-SC-UT-02	0.23	WS-UT-02	SC-UT-02	3	3×4	3C	4	4	-	2	M20 A	M20 A	16.6	B	to Junction Box for Second Outlet Socket (Utility Area)	-
271	D01	L-NSWGA-CP01	0.4	GCS-400-NSWG-001A	GCS-400-CP01	5	4×10	4C	10	10	-	425	M32	M32 EX	28.1	A	Cathodic Protection Transformer Rectifier1	01/04/22/24/25/27/29/31/33/35
272	D01	L-NSWGA-110-CHG001	0.4	GCS-400-NSWG-001A	GCS-110-CHG-001	20	4×16	4C	16	16	-	25	M25	M25	24.5	B	110VDC Charger 1	-
273	D01	L-110-CHG001-FB1	0.11DC	GCS-110-CHG-001	110-Fuse Box 1	7.5	2×50	2C	50	-	-	20	M32	M32	30.2	B	DC Charger Fuse Box 1	-
274	D01	L-110CH-FB1-BAT1	0.11DC	110-Fuse Box 1	110-Battery Bank 1	7.5	2×50	2C	50	-	-	20	M32	M32	30.2	B	DC Charger Battery Bank 1	-
275	D01	L-NSWGE-110-CHG002	0.4	GCS-400-NSWG-001E	GCS-110-CHG-002	20	4×16	4C	16	16	-	30	M25	M25	24.5	B	110VDC Charger 2	-
276	D01	L-110-CHG002-FB2	0.11DC	GCS-110-CHG-002	110-Fuse Box 2	7.5	2×50	2C	50	-	-	20	M32	M32	30.2	B	DC Charger Fuse Box 2	-
277	D01	L-110CH-FB2-BAT2	0.11DC	110-Fuse Box 2	110-Battery Bank 2	7.5	2×50	2C	50	-	-	20	M32	M32	30.2	B	DC Charger Battery Bank 2	-
278	D01	L-110CH-F05	0.11DC	GCS-110-CHG-F05	3.3 KV New Switchgear	0.7	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	To 3.3 KV New Switchgear	-
279	D01	L-110CH-F09	0.11DC	GCS-110-CHG-F09	0.4 KV New Switchgear A	0.75	2×6	2C	6	-	-	25	M20 A	M20 A	16.8	B	To 0.4 KV New Switchgear A & Coupler	-
280	D01	L-110CH-F10	0.11DC	GCS-110-CHG-F10	0.4 KV New Switchgear B	0.75	2×6	2C	6	-	-	30	M20 A	M20 A	16.8	B	To 0.4 KV New Switchgear B	-
281	D01	L-110CH-F11	0.11DC	GCS-110-CHG-F11	0.4 KV New Switchgear E	0.7	2×6	2C	6	-	-	35	M20 A	M20 A	16.8	B	To 0.4 KV New Switchgear E	-
282	D01	L-110CH-F12	0.11DC	GCS-110-CHG-F12	RCP	0.1	2×6	2C	6	-	-	40	M20 A	M20 A	16.8	B	To RCP	-
283	D01	L-NSWGA-24-CHG001	0.4	GCS-400-NSWG-001A	GCS-24-CHG-001	18.5	4×16	4C	16	16	-	50	M25	M25	24.5	B	24VDC Charger 1	-

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
284	D01	L-24-CHG001-FB1	0.024DC	GCS-24-CHG-001	24-Fuse Box 1	5.55	2×185	2C	10	-	-	20	M50	M50	50.5	B	DC Charger Fuse Box 1	-
285	D01	L-24-FB1-BAT1	0.024DC	24-Fuse Box 1	24-Battery Bank 1	5.55	2×185	2C	10	-	-	15	M50	M50	50.5	B	DC Charger Battery Bank 1	-
286	D01	L-NSWGE-24-CHG002	0.4	GCS-400-NSWG-001E	GCS-24-CHG-002	18.5	4×16	4C	16	16	-	60	M25	M25	24.5	B	24VDC Charger 2	-
287	D01	L-24-CHG002-FB2	0.024DC	GCS-24-CHG-002	24-Fuse Box 2	5.55	2×185	2C	10	-	-	20	M50	M50	50.5	B	DC Charger Fuse Box 2	-
288	D01	L-24-FB2-BAT2	0.024DC	24-Fuse Box 2	24-Battery Bank 2	5.55	2×185	2C	10	-	-	15	M50	M50	50.5	B	DC Charger Battery Bank 2	-
289	D01	L-24CH-F03	0.024DC	GCS-24-CHG-F03	F&G System Panel	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	F&G System Panel	-
290	D01	L-24CH-F04	0.024DC	GCS-24-CHG-F04	F&G System Panel	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	F&G System Panel (Redundant)	-
291	D01	L-24CH-F05	0.024DC	GCS-24-CHG-F05	F&G Marshaling Panel 1	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	F&G Marshaling Panel 1	-
292	D01	L-24CH-F06	0.024DC	GCS-24-CHG-F06	F&G Marshaling Panel 1	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	F&G System Panel 1 (Redundant)	-
293	D01	L-24CH-F07	0.024DC	GCS-24-CHG-F07	F&G Marshaling Panel 2	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	F&G Marshaling Panel 2	-
294	D01	L-24CH-F08	0.024DC	GCS-24-CHG-F08	F&G Marshaling Panel 2	2.7	2×95	2C	95	-	-	20	M40	M40	37.8	B	F&G System Panel 2 (Redundant)	-
295	D01	L-24CH-F09	0.024DC	GCS-24-CHG-F09	FACP	0.9	2×50	2C	50	-	-	30	M32	M32	30.2	B	FACP	-
296	D01	L-24CH-F10	0.024DC	GCS-24-CHG-F10	FACP	0.9	2×50	2C	50	-	-	30	M32	M32	30.2	B	FACP (Redundant)	-
297	D01	L-24CH-F11	0.024DC	GCS-24-CHG-F11	Fire Protection	0.8	2×120	2C	120	-	-	80	M50	M50	41	B	Fire Protection & Total Flooding System UCP	-
298	D01	L-24CH-F12	0.024DC	GCS-24-CHG-F12	Fire Protection	0.8	2×120	2C	120	-	-	80	M50	M50	41	B	Fire Protection & Total Flooding System UCP (Redundant)	-
299	D01	L-NSWGA-110-UPS001	0.4	GCS-400-NSWG-001A	GCS-110-UPS-001	36	3×35+16	4C	35	16	-	45	M32	M32	32.1	B	110VAC UPS 1	-
300	D01	L-110-UPS001-FB1	0.11DC	GCS-110-UPS-001	110-Fuse Box 1	25	2×150	2C	150	-	-	15	M50	M50	44.7	B	UPS Fuse Box 1	-
301	D01	L-110UPS-FB1-BAT1	0.11DC	110-Fuse Box 1	110-Battery Bank 1	25	2×150	2C	150	-	-	15	M50	M50	44.7	B	UPS Battery Bank 1	-
302	D01	L-NSWGA-110-UPS002	0.4	GCS-400-NSWG-001E	GCS-110-UPS-001	36	3×35+16	4C	35	16	-	55	M32	M32	32.1	B	110VAC UPS 2	-
303	D01	L-110-UPS002-FB2	0.11DC	GCS-110-UPS-001	110-Fuse Box 2	25	2×150	2C	150	-	-	15	M50	M50	44.7	B	UPS Fuse Box 2	-
304	D01	L-110UPS-FB2-BAT2	0.11DC	110-Fuse Box 2	110-Battery Bank 2	25	2×150	2C	150	-	-	15	M50	M50	44.7	B	UPS Battery Bank 2	-
305	D01	L-NSWGE-UPS-Bypass	0.4	GCS-400-NSWG-001E	GCS-110-UPS-Bypass	20	3×25+16	4C	25	16	-	55	M32	M32	28.4	B	110VAC UPS By Pass	-
306	D01	L-110UPS-F03	0.11AC	GCS-110-UPS-F03	DCS System Panel	0.7	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	To Power Supply for CPUs	-
307	D01	L-110UPS-F04	0.11AC	GCS-110-UPS-F04	DCS System Panel	0.7	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	To Power Supply for CPUs (Redundant)	-
308	D01	L-110UPS-F05	0.11AC	GCS-110-UPS-F05	DCS System Panel	0.6	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	To 110/24 VDC Power Supply	-
309	D01	L-110UPS-F06	0.11AC	GCS-110-UPS-F06	DCS System Panel	0.6	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	To 110/24 VDC Power Supply (Redundant)	-
310	D01	L-110UPS-F07	0.11AC	GCS-110-UPS-F07	DCS Marshaling Panel	0.9	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	To 110/24 VDC Power Supply	-
311	D01	L-110UPS-F08	0.11AC	GCS-110-UPS-F08	DCS Marshaling Panel	0.9	3×2.5	3C	2.5	2.5	2.5	12	M20 A	M20 A	15.3	B	To 110/24 VDC Power Supply (Redundant)	-
312	D01	L-110UPS-F09	0.11AC	GCS-110-UPS-F09	ESD System Panel	0.7	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B	To Power Supply for CPUs	-
313	D01	L-110UPS-F10	0.11AC	GCS-110-UPS-F10	ESD System Panel	0.7	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B	To Power Supply for CPUs (Redundant)	-
314	D01	L-110UPS-F11	0.11AC	GCS-110-UPS-F11	ESD System Panel	0.78	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B	To 110/24 VDC Power Supply	-
315	D01	L-110UPS-F12	0.11AC	GCS-110-UPS-F12	ESD System Panel	0.78	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B	To 110/24 VDC Power Supply (Redundant)	-
316	D01	L-110UPS-F13	0.11AC	GCS-110-UPS-F13	ESD Marshaling Panel	0.58	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B	To 110/24 VDC Power Supply	-
317	D01	L-110UPS-F14	0.11AC	GCS-110-UPS-F14	ESD Marshaling Panel	0.58	3×2.5	3C	2.5	2.5	2.5	15	M20 A	M20 A	15.3	B	To 110/24 VDC Power Supply (Redundant)	-
318	D01	L-110UPS-F15	0.11AC	GCS-110-UPS-F15	Electro Gas Compressor UCP A	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Electro Gas Compressor UCP A Ssystem & Marshaling	-
319	D01	L-110UPS-F16	0.11AC	GCS-110-UPS-F16	Electro Gas Compressor UCP A	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Electro Gas Compressor UCP A Ssystem & Marshaling (Redundant)	-
320	D01	L-110UPS-F17	0.11AC	GCS-110-UPS-F17	Electro Gas Compressor UCP B	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Electro Gas Compressor UCP B Ssystem & Marshaling	-
321	D01	L-110UPS-F18	0.11AC	GCS-110-UPS-F18	Electro Gas Compressor UCP B	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Electro Gas Compressor UCP B Ssystem & Marshaling (Redundant)	-
322	D01	L-110UPS-F19	0.11AC	GCS-110-UPS-F19	Electro Gas Compressor UCP C	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Electro Gas Compressor UCP C Ssystem & Marshaling	-
323	D01	L-110UPS-F20	0.11AC	GCS-110-UPS-F20	Electro Gas Compressor UCP C	1.5	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Electro Gas Compressor UCP C Ssystem & Marshaling (Redundant)	-
324	D01	L-110UPS-F21	0.11AC	GCS-110-UPS-F21	Dehydration Package A (UCP/BMS)	3	3×10	3C	10	10	10	35	M25	M25	20.7	B	Dehydration Package A LCP/Analyzer/BMS	-
325	D01	L-110UPS-F22	0.11AC	GCS-110-UPS-F22	Dehydration Package A (UCP/BMS)	3	3×10	3C	10	10	10	35	M25	M25	20.7	B	Dehydration Package A LCP/Analyzer/BMS (Redundant)	-
326	D01	L-110UPS-F23	0.11AC	GCS-110-UPS-F23	Dehydration Package B (UCP/BMS)	3	3×10	3C	10	10	10	35	M25	M25	20.7	B	Dehydration Package B LCP/Analyzer/BMS	-
327	D01	L-110UPS-F24	0.11AC	GCS-110-UPS-F24	Dehydration Package B (UCP/BMS)	3	3×10	3C	10	10	10	35	M25	M25	20.7	B	Dehydration Package B LCP/Analyzer/BMS (Redundant)	-
328	D01	L-110UPS-F25	0.11AC	GCS-110-UPS-F25	Paging System	1	3×4	3C	4	4	4	35	M20 A	M20 A	16.6	B	To Paging System	-
329	D01	L-110UPS-F26	0.11AC	GCS-110-UPS-F26	Paging System	1	3×4	3C	4	4	4	35	M20 A	M20 A	16.6	B	To Paging System (Redundant)	-
330	D01	L-110UPS-F27	0.11AC	GCS-110-UPS-F27	Air Compressor A	2	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B	Air Compressor Local UCP A	-

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
331	D01	L-110UPS-F28	0.11AC	GCS-110-UPS-F28	Air Compressor A	2	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B	Air Compressor Local UCP A (Redundant)	-
332	D01	L-110UPS-F29	0.11AC	GCS-110-UPS-F29	Air Compressor B	2	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B	Air Compressor Local UCP B	-
333	D01	L-110UPS-F30	0.11AC	GCS-110-UPS-F30	Air Compressor B	2	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B	Air Compressor Local UCP B (Redundant)	-
334	D01	L-110UPS-F31	0.11AC	GCS-110-UPS-F31	Air Drayer A	1.6	3×50	3C	50	50	50	300	M40	M40	33.3	B	Air Drayer A Local LCP	36/40/44/45/46/47
335	D01	L-110UPS-F32	0.11AC	GCS-110-UPS-F32	Air Drayer A	1.6	3×50	3C	50	50	50	300	M40	M40	33.3	B	Air Drayer A Local LCP (Redundant)	36/40/44/45/46/47
336	D01	L-110UPS-F33	0.11AC	GCS-110-UPS-F33	Air Drayer B	1.6	3×50	3C	50	50	50	300	M40	M40	33.3	B	Air Drayer B Local LCP	36/40/44/45/46/47
337	D01	L-110UPS-F34	0.11AC	GCS-110-UPS-F34	Air Drayer B	1.6	3×50	3C	50	50	50	300	M40	M40	33.3	B	Air Drayer B Local LCP (Redundant)	36/40/44/45/46/47
338	D01	L-110UPS-F35	0.11AC	GCS-110-UPS-F35	Nitrogen Package	1	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B	Nitrogen Package Local UCP A/B	-
339	D01	L-110UPS-F36	0.11AC	GCS-110-UPS-F36	Nitrogen Package	1	3×4	3C	4	4	4	15	M20 A	M20 A	16.6	B	Nitrogen Package Local UCP A/B (Redundant)	-
340	D01	L-110UPS-F37	0.11AC	GCS-110-UPS-F37	Operator WorkStation	2.964	3×10	3C	10	10	10	35	M25	M25	20.7	B	Operator WorkStation (Including DCS, ESD, Package)	-
341	D01	L-110UPS-F38	0.11AC	GCS-110-UPS-F38	DCS Engineering Workstation	0.713	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B	To DCS Engineering Workstation	-
342	D01	L-110UPS-F39	0.11AC	GCS-110-UPS-F39	ESD Engineering Workstation	0.713	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B	To ESD Engineering Workstation	-
343	D01	L-110UPS-F40	0.11AC	GCS-110-UPS-F40	F&G Operator / Engineering	0.713	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B	To F&G Operator / Engineering	-
344	D01	L-110UPS-F41	0.11AC	GCS-110-UPS-F41	Printer A	1.8	3×6	3C	6	6	6	35	M20 A	M20 A	17.5	B	To Operator / Engineering Printer A	-
345	D01	L-110UPS-F42	0.11AC	GCS-110-UPS-F42	Printer B	1.8	3×6	3C	6	6	6	35	M20 A	M20 A	17.5	B	To Operator / Engineering Printer B	-
346	D01	L-110UPS-F43	0.11AC	GCS-110-UPS-F43	Printer C	1.8	3×6	3C	6	6	6	35	M20 A	M20 A	17.5	B	To Operator / Engineering Printer C	-
347	D01	L-NSWGE-Non UPS	0.4	GCS-400-NSWG-001E	GCS-400-Non UPS	8	4×10	4C	10	10	-	60	M25	M25	22.1	B	Non-UPS Load for Instrument	-
348	D01	L-Non UPS-F01	0.23	GCS-400-Non UPS-F01	F01	0.7	3×4	3C	4	4	-	30	M20 A	M20 A	16.6	B	Cabinet Utilities For DCS A (Heater, Fan, Light)	-
349	D01	L-Non UPS-F02	0.23	GCS-400-Non UPS-F02	F02	0.7	3×4	3C	4	4	-	30	M20 A	M20 A	16.6	B	Cabinet Utilities For DCS B (Heater, Fan, Light)	-
350	D01	L-Non UPS-F03	0.23	GCS-400-Non UPS-F03	F03	0.7	3×4	3C	4	4	-	30	M20 A	M20 A	16.6	B	Cabinet Utilities For DCS C (Heater, Fan, Light)	-
351	D01	L-Non UPS-F04	0.23	GCS-400-Non UPS-F04	F04	0.7	3×4	3C	4	4	-	30	M20 A	M20 A	16.6	B	Cabinet Utilities For DCS D (Heater, Fan, Light)	-
352	D01	L-Non UPS-F05	0.23	GCS-400-Non UPS-F05	F05	0.7	3×4	3C	4	4	-	30	M20 A	M20 A	16.6	B	Cabinet Utilities For ESD A (Heater, Fan, Light)	-
353	D01	L-Non UPS-F06	0.23	GCS-400-Non UPS-F06	F06	0.7	3×4	3C	4	4	-	30	M20 A	M20 A	16.6	B	Cabinet Utilities For ESD B (Heater, Fan, Light)	-
354	D01	L-Non UPS-F07	0.23	GCS-400-Non UPS-F07	F07	0.7	3×4	3C	4	4	-	30	M20 A	M20 A	16.6	B	Cabinet Utilities For ESD C (Heater, Fan, Light)	-
355	D01	L-Non UPS-F08	0.23	GCS-400-Non UPS-F08	F08	0.7	3×4	3C	4	4	-	25	M20 A	M20 A	16.6	B	Cabinet Utilities For F&G A (Heater, Fan, Light)	-
356	D01	L-Non UPS-F09	0.23	GCS-400-Non UPS-F08	F09	0.7	3×4	3C	4	4	-	25	M20 A	M20 A	16.6	B	Cabinet Utilities For F&G B (Heater, Fan, Light)	-
357	D01	L-Non UPS-F10	0.23	GCS-400-Non UPS-F08	F10	0.7	3×4	3C	4	4	-	25	M20 A	M20 A	16.6	B	Cabinet Utilities For F&G C (Heater, Fan, Light)	-
358	D01	L-Non UPS-F11	0.23	GCS-400-Non UPS-F09	F11	0.7	3×4	3C	4	4	-	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Gas Compressor UCP A (Heater, Fan, Light)	-
359	D01	L-Non UPS-F12	0.23	GCS-400-Non UPS-F09	F12	0.7	3×4	3C	4	4	-	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Gas Compressor UCP B (Heater, Fan, Light)	-
360	D01	L-Non UPS-F13	0.23	GCS-400-Non UPS-F09	F13	0.7	3×4	3C	4	4	-	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Gas Compressor UCP C (Heater, Fan, Light)	-
361	D01	L-Non UPS-F14	0.23	GCS-400-Non UPS-F10	F14	0.7	3×4	3C	4	4	-	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Dehydration BMS A (if any) (Heater, Socket, Fan, Light)	-
362	D01	L-Non UPS-F15	0.23	GCS-400-Non UPS-F10	F15	0.7	3×4	3C	4	4	-	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Dehydration BMS B (if any) (Heater, Socket, Fan, Light)	-
363	D01	L-Non UPS-F16	0.23	GCS-400-Non UPS-F11	F16	0.7	3×4	3C	4	4	-	75	M20 A	M20 A	16.6	B	Cabinet Utilities For Total Flooding UCP(Heater, Socket, Fan, Light)	-
364	D01	L-Non UPS-F17	0.23	GCS-400-Non UPS-F12	F17	0.7	3×4	3C	4	4	-	30	M20 A	M20 A	16.6	B	Cabinet Utilities For Paging Cabinet (Heater, Socket, Fan, Light)	-
365	D01	L-Non UPS-F18	0.23	GCS-400-Non UPS-F13	F18	0.7	3×4	3C	4	4	-	20	M20 A	M20 A	16.6	B	Cabinet Utilities For Air Compressor UCP A (Heater, Socket, Fan, Light)	-
366	D01	L-Non UPS-F19	0.23	GCS-400-Non UPS-F13	F19	0.7	3×4	3C	4	4	-	20	M20 A	M20 A	16.6	B	Cabinet Utilities For Air Compressor UCP B (Heater, Socket, Fan, Light)	-
367	D01	L-Non UPS-F20	0.23	GCS-400-Non UPS-F14	F20	0.7	3×4	3C	4	4	-	25	M20 A	M20 A	16.6	B	Cabinet Utilities For Nitrogen package UCP(Heater, Socket, Fan, Light)	-
368	D01	L-Non UPS-F21	0.23	GCS-400-Non UPS-F15	F21	3.5	3×10	3C	10	10	-	30	M25	M25	20.7	B	Control Desk Sockets	-
369	D01	L-NSWGE-FDP 01	0.4	GCS-400-NSWG-001E	GCS-230-FDP 01	1	4×4	4C	4	4	-	210	M20 A	M20 A	17.7	B	Fire Diesel Panel	36/40/41/55
370	D01	L-NSWGE-SPH-01	0.4	GCS-400-NSWG-001E	SPH-01	2	4×4	4C	4	4	-	20	M20 A	M20 A	17.7	B	Space Heater & Lighting for New LV Switchgear	-
371	D01	L-NSWGE-SPH-02	0.4	GCS-400-NSWG-001E	SPH-02	2	4×4	4C	4	4	-	30	M20 A	M20 A	17.7	B	Space Heater & Lighting for MV Switchgear	-
372	D01	L-NSWGE-EDP-CRM	0.4	GCS-400-NSWG-001E	GCS-400-EDP-CRM	23	4×25	4C	25	16	-	75	M32	M32	28.4	B	Emergency Lighting Panel for Extention of Control Room	37
373	D01	L-NSWGE-EHTC		GCS-400-NSWG-001E	EHTC												Electrical Heat Tracing	01/04/05/07/09/11/12
374	D01	L-NSWGA-CAP-A-01	0.4	GCS-400-NSWG-001A	CAP-01	120	3×185	3C	185	-	-	35	M63	M63	56.9	B	Cable 1 of LV Switchgear A Capacitor Bank	-
375	D01	L-NSWGA-CAP-A-02	0.4	GCS-400-NSWG-001A	CAP-01	120	3×185	3C	185	-	-	35	M63	M63	56.9	B	Cable 2 of LV Switchgear A Capacitor Bank	-
376	D01	C-NSWGA-CAP-A		GCS-400-NSWG-001A	CAP-01	-	7×2.5	7C	3	-	-	35	M25	M25	20	E	Control Cable of LV Switchgear A Capacitor Bank	-
377	D01	L-NSWGA-CAP-B-01	0.4	GCS-400-NSWG-001B	CAP-02	120	3×185	3C	185	-	-	25	M63	M63	56.9	B	Capacitor Bank 2 of LV Switchgear B	-

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (mm)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Rout
				From	To			Core	Phase	N	E		Source	Field				
378	D01	L-NSWGA-CAP-B-02	0.4	GCS-400-NSWG-001B	CAP-02	120	3×185	3C	185	-	-	25	M63	M63	56.9	B	Capacitor Bank 2 of LV Switchgear B	-
379	D01	C-NSWGA-CAP-B		GCS-400-NSWG-001B	CAP-02	-	7×2.5	7C	3	-	-	25	M25	M25	20	E	Control Cable of LV Switchgear A Capacitor Bank	-
380	D01	L-NSWGA-DG-001A1	0.4	GCS-400-NSWG-001A	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	-
381	D01	L-NSWGA-DG-001A2	0.4	GCS-400-NSWG-001A	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	-
382	D01	L-NSWGA-DG-001B1	0.4	GCS-400-NSWG-001A	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	-
383	D01	L-NSWGA-DG-001B2	0.4	GCS-400-NSWG-001A	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	-
384	D01	L-NSWGA-DG-001C1	0.4	GCS-400-NSWG-001A	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	-
385	D01	L-NSWGA-DG-001C2	0.4	GCS-400-NSWG-001A	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	-
386	D01	L-NSWGA-DG-001N1	0.4	GCS-400-NSWG-001A	GCS-DG-001	400	1×300	1C	-	300	-	30	M40	M40	34.2	C	to Generator Control Panel	-
387	D01	M-11SWGA-CAP-1	11	GCS-11-SWG-001A	Existing MV Capacitor Bank 1	350 kvar	3×95	3C	95	-	-	35	M90	M90	79.1	I	From New Location of Existing Capacitor Bank1 to Existing MV Cell	-
388	D01	M-11SWGB-CAP-2	11	GCS-11-SWG-001B	Existing MV Capacitor Bank 2	350 kvar	3×95	3C	95	-	-	35	M90	M90	79.1	I	From New Location of Existing Capacitor Bank2 to Existing MV Cell	-
389	D01	M-11SWGB-CAP-3	11	GCS-11-SWG-001B	Existing MV Capacitor Bank 3	350 kvar	3×95	3C	95	-	-	35	M90	M90	79.1	I	From New Location of Existing Capacitor Bank3 to Existing MV Cell	-
390	D01	L-NSWGE-CCTV	0.4	GCS-11-SWG-001E	CCTV Control Building	10	3×35+16	4C	35	16	-	200	M32	M32	32.1	B		36/38/39

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size	Cable Size (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	ROUT
				From	To			Core	Phase	N	E		Source	Field				
1	D01	L-NDP01F01-FLTJB34	0.4	GCS-400-NDP-01/F01	NEW FLT-34RST-JB	8	5×10	5C	10	10.0	10.0	340	M25	M25	28.3	A	To Latest Flood Lighting Tower in The Line	21S/20S/16S/15S/14S/13S/12S/01S
2	D01	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	100	M20 A	M20 A	15.3	B	From Tower JB to Terminal Box & Floodlight Fixtures	21S/20S/16S/15S/14S/13S/12S/01S
3	D01	L-NDP01F02-FLTJB5	0.4	GCS-400-NDP-01/F02	EXISTING FLT-5RST	3.5	5×10	5C	10	10.0	10.0	190	M25	M25	28.3	A	To Latest Flood Lighting Tower in The Line	
4	D01	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	80	M20 A	M20 A	15.3	B	From Tower JB to Terminal Box & Floodlight Fixtures	
5	D01	L-NDP02F01-FLTJB35	0.4	GCS-400-NDP-02/F01	NEW FLT-35RST	4.5	5×10	5C	10	10.0	10.0	210	M25	M25	22.3	B	To Latest Flood Lighting Tower in The Line	02S/08S
6	D01	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	70	M20 A	M20 A	15.3	B	From Tower JB to Terminal Box & Floodlight Fixtures	02S/08S
7	D01	L-EDP02F01-JB	0.23	GCS-400-EDP-02/F01	FLT-UT-F01-JB	0.036	3×6	3C	6	6.0	6.0	65	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	02S/08S
8	D01	-	0.23	FLT-UT-F01-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	15	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	02S/08S
9	D01	L-EDP02F02-JB	0.23	GCS-400-EDP-02	FLT-UT-F02-JB	0.018	3×6	3C	6	6.0	6.0	170	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	02S/08S
10	D01	-	0.23	FLT-UT-F02-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	5	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	02S/08S
11	D01	L-EDP02F03-JB	0.23	GCS-400-EDP-02	FLT-UT-F03-JB	0.018	3×6	3C	6	6.0	6.0	180	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	02S/08S
12	D01	-	0.23	FLT-UT-F03-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	5	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	02S/08S
13	D01	L-EDP02F04-JB	0.23	GCS-400-EDP-02	FLT-UT-F04-JB	0.126	3×6	3C	6	6.0	6.0	30	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	02S/08S
14	D01	-	0.23	FLT-UT-F04-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	80	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	02S/08S
15	D01	L-EDP02F05-JB	0.23	GCS-400-EDP-02	FLT-UT-F05-JB	0.126	3×6	3C	6	6.0	6.0	60	M20 A	M20 A	17.5	B	To First Fluorescent Lighting JB in The Line	02S/08S
16	D01	-	0.23	FLT-UT-F05-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	80	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	02S/08S
17	D01	L-EDP01F01-JB	0.23	GCS-400-EDP-01	FLC-PR-F01-JB	0.108	3×6	3C	6	6.0	6.0	220	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
18	D01	-	0.23	FLC-PR-F01-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	55	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
19	D01	L-EDP01F02-JB	0.23	GCS-400-EDP-01	FLC-PR-F02-JB	0.108	3×6	3C	6	6.0	6.0	260	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
20	D01	-	0.23	FLC-PR-F02-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	55	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
21	D01	L-EDP01F03-JB	0.23	GCS-400-EDP-01	FLC-PR-F03-JB	0.108	3×6	3C	6	6.0	6.0	290	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
22	D01	-	0.23	FLC-PR-F03-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	55	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
23	D01	L-EDP01F04-JB	0.23	GCS-400-EDP-01	FLC-PR-F04-JB	0.108	3×6	3C	6	6.0	6.0	320	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
24	D01	-	0.23	FLC-PR-F04-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	75	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
25	D01	L-EDP01F05-JB	0.23	GCS-400-EDP-01	FLC-PR-F05-JB	0.144	3×6	3C	6	6.0	6.0	230	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	
26	D01	-	0.23	FLC-PR-F05-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	65	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
27	D01	L-EDP01F06-JB	0.23	GCS-400-EDP-01	FLC-PR-F06-JB	0.144	3×6	3C	6	6.0	6.0	270	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	02S/08S
28	D01	-	0.23	FLC-PR-F06-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	65	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
29	D01	L-EDP01F07-JB	0.23	GCS-400-EDP-01	FLC-PR-F07-JB	0.18	3×6	3C	6	6.0	6.0	320	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	02S/08S
30	D01	-	0.23	FLC-PR-F07-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	90	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
31	D01	L-EDP01F08-JB	0.23	GCS-400-EDP-01	FLC-PR-F08-JB	0.126	3×6	3C	6	6.0	6.0	260	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	02S/08S
32	D01	-	0.23	FLC-PR-F08-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	130	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
33	D01	L-EDP01F09-JB	0.23	GCS-400-EDP-01	FLC-PR-F09-JB	0.108	3×6	3C	6	6.0	6.0	100	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	02S/08S
34	D01	-	0.23	FLC-PR-F09-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	75	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	
35	D01	L-EDP01F10-JB	0.23	GCS-400-EDP-01	FLC-PR-F10-JB	0.036	3×6	3C	6	6.0	6.0	160	M25	M25	23.5	A	To First Fluorescent Lighting JB in The Line	02S/08S
36	D01	-	0.23	FLC-PR-F10-JB	Fluorescent Lighting Fixtures		3×2.5	3C	3	2.5	2.5	15	M20 A	M20 A	15.3	B	From Fluorescent Lighting JB to Fluorescent Lightings	