

 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	تهیهات	رشته	نوع مدرک	سریال	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	EL	LI	0002	D02	شماره صفحه: ۱ از ۱۳

طرح نگهداشت و افزایش تولید ۲۷ مخزن

ELECTRICAL POWER & CONTROL CABLE SCHEDULE

نگهداشت و افزایش تولید میدان نفتی بینک

D02	Nov.2024	IFA	M.Pourdasht	M.Fakharian	M.Sadeghian	
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

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

 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
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	EL	LI	0002	D02	شماره صفحه: ۲ از ۱۳

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
1	X	X	X			51					
2	X	X	X			52					
3	X	X	X			53					
4	X	X	X			54					
5	X	X	X			55					
6	X	X	X			56					
7	X	X	X			57					
8	X	X	X			58					
9	X	X	X			59					
10		X	X			60					
11		X	X			61					
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 NISOC	تجهادست 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	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته EL	نوع مدرک LI	سریال 0002	نسخه D02

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/SPA/PVC - N2XKYRY (LV MULTI-CORE WITH LEAD SHEATH)

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

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

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

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

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

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

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

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

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

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

L: Cu/PVC/PVC - NYY (LV MULTI-CORE FOR LIGHTING)

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

S: CU/XLPE/PVC - N2XY (LV SINGLE-CORE FLEXIBLE OR EPR or H07 RN-F)

Z: MICC FIRE RESISTANTCABLE(Mineral Insulated Copper Cable) FOR HAZARDOUS AREAS SUCH AS BATTERY ROOMS

3. REFERENCE LIST

Area Electrical Cable Route & Section Layout	BK-GCS-PEDCO-120-EL-PY-0005
ELECTRICAL LOAD LIST	BK-GCS-PEDCO-120-EL-LI-0001
Existent MV Switchgear Expansion Single Line Diagram	BK-GCS-PEDCO-120-EL-SL-0003
LV Switchgear-MCC Single Line Diagram	BK-GCS-PEDCO-120-EL-SL-0002
Area Lighting & Small Power Layout	BK-GCS-PEDCO-120-EL-PY-0003
Electrical IO Signal List	BK-GCS-PEDCO-120-EL-LI-0005

Notes:

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

Reference documents are as below:

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

The reference documents For Cable OD is abhar and gland size is S.E.M.C manufacture

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-11SWG-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-11SWG-RCP-01	0.11DC	GCS-11-SWG-001A	RCP	-	16×2.5	16C	2.5	-	-	40	M25	M25	24.4	E	From 11KV Switchgear A to RCP	
3	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	C-NSWGA-TR001-2	-	GCS-400-NSWG-001A	GCS-TR-001	-	3×6	3C	6	-	-	20	M20 A	M20 A	16.8	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 Upstrem	
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	-	16×2.5	16C	2.5	-	-	40	M25	M25	24.4	E	From 11KV Switchgear B to RCP	
22	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	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	D02	C-NSWGA-TR002-2	-	GCS-400-NSWG-001B	GCS-TR-002	-	3×6	3C	6	-	-	20	M20 A	M20 A	16.8	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 Upstrem	
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	-	16×2.5	16C	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	D02	C-3.3SWG-TR003-2	-	GCS-3.3-SWG-001	GCS-TR-03	-	3×6	3C	6	-	-	70	M20 A	M20 A	16.8	E	Neutral CT of Transformer 003	
44	D01	M-3.3SWG-TR003	3.3	GCS-TR-03	GCS-3.3-SWG-001	-	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	
46	D02	C-3.3SWG-LCS	0.11DC	GCS-3.3-SWG-001	P-2301A	-	12×2.5	12C	2.5	-	-	250	M25	M25	24.4	E	LCS for P-2301A	
47	D02	C-3.3SWG-IRP-01	0.23	GCS-3.3-SWG-001	IRP-DCS	-	5×2.5	5C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for P-2301A	
47	D02	C-3.3SWG-IRP-02	0.23	GCS-3.3-SWG-001	IRP-F&G	-	5×2.5	5C	2.5	-	-	25	M25	M25	21.6	E	IRP-F&G for P-2301A	
48	D01	M-11SWG-AC2101-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	
49	D01	L-11SWG-SPH-A	0.23	GCS-11-SWG-001A	Space Heater	0.3	2×4	2C	4	4	-	270	M20 A	M20 EX	21	A	Space Heater for Gas Compressor C-2101A	
50	D01	C-11SWG-IRP-A	0.11DC	GCS-11-SWG-001A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	40	M25	M25	24.4	E	IRP (UCP-A) for Gas Compressor C-2101A	
51	D02	C-11SWG-IRP-A (ESD)	0.11DC	GCS-11-SWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP (ESD) for Gas Compressor C-2101A	

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				
52	D02	C-11SWG A-C2101-A	-	GCS-11-SWG-001A	C-2101A	-	2×4	2C	4	-	-	270	M25	M25 EX	22.6	D	Ammeter for Gas Compressor C-2101A	
53	D02	C-11SWG A-RTD2101-A1	-	UCP-A	C-2101A	-	12×(3×1.5)	3C	1.5	-	-	300	M50	M50 EX	41.0	R	RTD for Gas Compressor C-2101A (From Control Room for Stator)	
54	D02	C-11SWG A-RTD2101-A2	-	UCP-A	C-2101A	-	3×3×1.5	9C	1.5	-	-	0	M32	M32EX			RTD for Gas Compressor C-2101A (From Control Room for bearing)	
55	D02	C-11SWG A-DF2101-A	-	GCS-11-SWG-001A	C-2101A	-	6×6	6C	6	-	-	270	M32	M32 EX	-	D	Differential Protection of C-2101A	
56	D01	M-11SWG A-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	
57	D02	C-11SWG A-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	
58	D02	L-NSWG A-MCC2101A	0.4	GCS-400-NSWG-001A	MCC-2101A	43.9	3×35+16	5C	35	16	-	25	M32	M32	32.1	B	Normal Panel for Gas Compressor C-2101A (Auxiliary)	
59	D02	L-MCC2101A-OH	0.23	MCC-2101A	Oil Heater	1.5	2×16	2C	16	16	-	250	M25	M25 EX	27.2	A	Oil Heater for Gas Compressor C-2101A	
60	D01	C-MCC2101A-OH	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Oil Heater C-2101A	
61	D02	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	
62	D01	C-MCC2101A-BR01	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Barring Device Motor C-2101A	
63	D02	C-MCC2101A-BR02	-	MCC-2101A	Barring Device Motor	-	2×4	2C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Barring Device Motor C-2101A	
64	D02	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)	
65	D01	C-MCC2101A-AP1	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Oil Pump C-2101A	
66	D02	C-MCC2101A-AP2	-	MCC-2101A	Oil Pump	-	2×4	2C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Oil Pump C-2101A	
67	D02	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)	
68	D01	C-MCC2101A-OC1	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Lube Oil Cooler C-2101A	
69	D02	C-MCC2101A-OC2	-	MCC-2101A	Oil Cooler	-	2×4	2C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Lube Oil Cooler Motor C-2101A	
70	D02	L-MCC2101A-LP	0.4	MCC-2101A	Lubricator Pump	0.55	3×4	3C	4	-	-	250	M20 A	M20 EX	22.6	A	Cylinder Lubricator Pump for Gas Compressor C-2101A (M-2101-LP A)	
71	D01	C-MCC2101A-LP1	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Cylinder Lubricator Pump C-2101A	
72	D02	C-MCC2101A-LP2	-	MCC-2101A	Lubricator Pump	-	2×4	2C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Cylinder Lubricator Pump C-2101A	
73	D02	L-MCC2101A-LH	0.23	MCC-2101A	Lubricator Heater	0.4	2×4	2C	4	4	-	250	M20 A	M20 EX	21	A	Cylinder Lubricator Oil Heater for Gas Compressor C-2101A	
74	D01	C-MCC2101A-LH	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Cylinder Lubricator Oil Heater C-2101A	
75	D02	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)	
76	D01	C-MCC2101A-AX1	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Aux Pump Motor C-2101A	
77	D02	C-MCC2101A-AX2	-	MCC-2101A	Aux Pump Motor	-	2×4	2C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Aux Pump Motor C-2101A	
78	D02	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)	
79	D01	C-MCC2101A-WP1	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Main Pump Motor C-2101A	
80	D02	C-MCC2101A-WP2	-	MCC-2101A	Main Pump Motor	-	2×4	2C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Main Pump Motor C-2101A	
81	D02	L-MCC2101A-WH	0.4	MCC-2101A	Electric Heater	12	3×70+35	5C	70	35	-	250	M50	M50 EX	47.9	A	Electric Heater for Gas Compressor C-2101A (P-2101-WH A)	
82	D01	C-MCC2101A-WH	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Electric Heater C-2101A	
83	D02	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)	
84	D01	C-MCC2101A-WC1	0.23	MCC-2101A	IRP (UCP-A)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-A) for Water Console Cooler Motor C-2101A	
85	D02	C-MCC2101A-WC2	-	MCC-2101A	Water Console	-	2×4	2C	4	-	-	250	M25	M25 EX	22.6	D	Ammeter for Water Console Cooler Motor for Gas Compressor C-2101A	
86	D02	C-MCC2101A-EHT	0.23	MCC-2101A	Heat Trace A	-	5x25	5C	25	25	25	300	M32	M32	32.1	B	Electrcial Heat Trace for Compressor A	HOLD
87	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	
88	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	
89	D01	C-11SWGB-IRP-B	0.11DC	GCS-11-SWG-001B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	40	M25	M25	24.4	E	IRP (UCP-B) for Gas Compressor C-2101B	
90	D02	C-11SWGB-IRP-B (ESD)	0.11DC	GCS-11-SWG-001B	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP (ESD) for Gas Compressor C-2101B	
91	D02	C-11SWGB-C2101-B	-	GCS-11-SWG-001B	C-2101B	-	2×4	2C	4	-	-	300	M25	M25 EX	22.6	D	Ammeter for Gas Compressor C-2101B	
92	D02	C-11SWGB-RTD2101-B1	-	UCP-B	C-2101B	-	12×(3×1.5)	3C	1.5	-	-	330	M50	M50 EX	41.0	R	RTD for Gas Compressor C-2101B (From Control Room for Stator)	
93	D02	C-11SWGB-RTD2101-B2	-	UCP-B	C-2101B	-	3×3×1.5	9C	1.5	-	-	0	M32	M32EX			RTD for Gas Compressor C-2101B (From Control Room for bearing)	
94	D02	C-11SWGB-DF2101-B	-	GCS-11-SWG-001B	C-2101B	-	6×6	6C	6	-	-	300	M25	M25 EX	-	D	Differential Protection of C-2101B	
95	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	
96	D02	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	
97	D02	L-NSWGB-MCC2101B	0.4	GCS-400-NSWG-001B	MCC-2101B	43.9	3×35+16	4C	35	16	-	25	M32	M32	32.1	B	Normal Panel for Gas Compressor C-2101B (Auxiliary)	
98	D02	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-2101B	
99	D01	C-MCC2101B-OH	0.23	MCC-2101B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Oil Heater C-2101B	
100	D02	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	
101	D01	C-MCC2101B-BR1	0.23	MCC-2101B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Barring Device Motor C-2101B	
102	D02	C-MCC2101B-BR2	-	MCC-2101B	Barring Device Motor	-	2×4	2C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Barring Device Motor for Gas Compressor C-2101B	
103	D02	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)	

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	Route
				FROM	To			Core	Phase	N	E		Source	Field				
104	D01	C-MCC2101B-AP1	0.23	MCC-2101B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Oil Pump C-2101B	
105	D02	C-MCC2101B-AP2	-	MCC-2101B	Oil Pump	-	2×4	2C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Oil Pump for Gas Compressor C-2101B	
106	D02	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)	
107	D01	C-MCC2101B-OC1	0.23	MCC-2101B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Lube Oil Cooler C-2101B	
108	D02	C-MCC2101B-OC2	-	MCC-2101B	Oil Cooler	-	2×4	2C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Lube Oil Cooler for Gas Compressor C-2101B	
109	D02	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)	
110	D01	C-MCC2101B-LP1	0.23	MCC-2101B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Cylinder Lubricator Pump C-2101B	
111	D02	C-MCC2101B-LP2	-	MCC-2101B	Lubricator Pump	-	2×4	2C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Cylinder Lubricator Pump for Gas Compressor C-2101B	
112	D02	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	
113	D01	C-MCC2101B-LH	0.23	MCC-2101B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Cylinder Lubricator Oil Heater C-2101B	
114	D02	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)	
115	D01	C-MCC2101B-AX1	0.23	MCC-2101B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Aux Pump Motor C-2101B	
116	D02	C-MCC2101B-AX2	-	MCC-2101B	Aux Pump Motor	-	2×4	2C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Aux Pump for Gas Compressor C-2101B	
117	D02	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)	
118	D01	C-MCC2101B-WP1	0.23	MCC-2101B	IRP (UCP-B)	-	16×2.5	16C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Main Pump Motor C-2101B	
119	D02	C-MCC2101B-WP2	-	MCC-2101B	Main Pump Motor	-	2×4	2C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Main Pump for Gas Compressor C-2101B	
120	D02	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)	
121	D01	C-MCC2101B-WH	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) for Electric Heater C-2101B	
122	D02	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)	
123	D01	C-MCC2101B-WC1	0.23	MCC-2101B	IRP (UCP-B)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-B) forWater Console Cooler Motor C-2101B	
124	D02	C-MCC2101B-WC2	-	MCC-2101B	Water Console	-	2×4	2C	4	-	-	280	M25	M25 EX	22.6	D	Ammeter for Water Console Cooler Motor for Gas Compressor C-2101B	
125	D02	C-MCC2101B-EHT	0.23	MCC-2101B	Heat Trace B	-	5x25	5C	25	25	25	300	M32	M32	32.1	B	Electrcial Heat Trace for Compressor B	HOLD
126	D02	M-11SWG-C2101-A	11	GCS-11-SWG-001A	C-2101C	1250	3×95	3C	95	-	-	330	M90	M90 EX	87.7	F	First & Second Stage Gas Compressor C-2101C	
127	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	
128	D01	C-11SWG-IRP-C	0.11DC	GCS-11-SWG-001C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	40	M25	M25	24.4	E	IRP (UCP-C) for Gas Compressor C-2101C	
129	D02	C-11SWG-IRP-C (ESD)	0.11DC	GCS-11-SWG-001C	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP (ESD) for Gas Compressor C-2101C	
130	D02	C-11SWG-C2101-C	-	GCS-11-SWG-001C	C-2101C	-	2×4	2C	4	-	-	330	M25	M25 EX	22.6	D	Ammeter for Gas Compressor C-2101C	
131	D02	C-11SWG-RTD2101-C1	-	UCP-C	C-2101C	-	12×(3×1.5)	3C	1.5	-	-	360	M50	M50 EX	41.0	R	RTD for Gas Compressor C-2101C (From Control Room for Stator)	
132	D02	C-11SWG-RTD2101-C2	-	UCP-C	C-2101C	-	3×3×1.5	9C	1.5	-	-	0	M32	M32 EX	-	-	RTD for Gas Compressor C-2101C (From Control Room for Bearing)	
133	D02	C-11SWG-2101-C	-	GCS-11-SWG-001C	C-2101C	-	6×6	6C	6	-	-	330	M25	M25 EX	-	D	Differential Protection of C-2101C	
134	D02	M-11SWG-CAP-A	11	GCS-11-SWG-001A	Cap Bank C	360 kvar	3×95	3C	95	-	-	30	M90	M90	79.1	I	Capacitor Bank for Gas Compressor C-2101C	
135	D02	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	
136	D02	L-NSWG-MCC2101B	0.4	GCS-400-NSWG-001B	MCC-2101C	43.9	3×35+16	4C	35	16	-	25	M32	M32	32.1	B	Normal Panel for Gas Compressor C-2101C (Auxiliary)	
137	D02	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	
138	D01	C-MCC2101C-OH	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Oil Heater C-2101C	
139	D02	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	
140	D01	C-MCC2101C-BR1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Barring Device Motor C-2101C	
141	D02	C-MCC2101C-BR2	-	MCC-2101C	Barring Device Motor	-	2×4	2C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Barring Device Motor for Gas Compressor C-2101C	
142	D02	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)	
143	D01	C-MCC2101C-AP1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Oil Pump C-2101C	
144	D02	C-MCC2101C-AP2	-	MCC-2101C	Oil Pump	-	2×4	2C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Oil Pump for Gas Compressor C-2101C	
145	D02	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)	
146	D02	C-MCC2101C-OC1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Lube Oil Cooler C-2101C	
147	D02	C-MCC2101C-OC2	-	MCC-2101C	Oil Cooler	-	2×4	2C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Lube Oil Cooler for Gas Compressor C-2101C	
148	D02	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)	
149	D01	C-MCC2101C-LP1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Cylinder Lubricator Pump C-2101C	
150	D02	C-MCC2101C-LP2	-	MCC-2101C	Lubricator Pump	-	2×4	2C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Cylinder Lubricator for Gas Compressor C-2101C	
151	D02	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	
152	D01	C-MCC2101C-LH	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Cylinder Lubricator Oil Heater C-2101C	
153	D02	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)	
154	D02	C-MCC2101C-AX1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Aux Pump Motor C-2101C	
155	D02	C-MCC2101C-AX2	-	MCC-2101C	Aux Pump Motor	-	2×4	2C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Aux Pump Motor for Gas Compressor C-2101C	

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				
156	D02	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)	
157	D01	C-MCC2101C-WP1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Main Pump Motor C-2101C	
158	D02	C-MCC2101C-WP2	-	MCC-2101C	Main Pump Motor	-	2×4	2C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Main Pump Motor for Gas Compressor C-2101C	
159	D02	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)	
160	D01	C-MCC2101C-WH	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Electric Heater C-2101C	
161	D02	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)	
162	D01	C-MCC2101C-WC1	0.23	MCC-2101C	IRP (UCP-C)	-	12×2.5	12C	-	-	-	10	M25	M25	24.4	E	IRP (UCP-C) for Water Console Cooler Motor C-2101C	
163	D02	C-MCC2101C-WC2	-	MCC-2101C	Water Console	-	2×4	2C	4	-	-	310	M25	M25 EX	22.6	D	Ammeter for Water Console Cooler Motor for Gas Compressor C-2101C	
164	D02	C-MCC2101C-EHT	0.23	MCC-2101B	Heat Trace C	-	5x25	5C	25	25	25	300	M32	M32	32.1	B	Electrical Heat Trace for Compressor C	HOLD
165	D02	L-NSWGA-AC2121A	0.4	GCS-400-NSWG-001A	AC-2121A	5.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	First Stage Air Cooler 2121A	
166	D02	C-NSWGA-AC2121A-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2121A	
167	D02	C-NSWGA-AC2121A-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2121A	
168	D02	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 2121A	
169	D02	L-NSWGA-AC2122A	0.4	GCS-400-NSWG-001A	AC-2122A	5.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	First Stage Air Cooler 2122A	
170	D02	C-NSWGA-AC2122A-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2122A	
171	D02	C-NSWGA-AC2122A-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2122A	
172	D02	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 2122A	
173	D02	L-NSWGB-AC2121B	0.4	GCS-400-NSWG-001B	AC-2121B	5.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	First Stage Air Cooler 2121B	
174	D02	C-NSWGB-AC2121B-01	0.23	GCS-400-NSWG-001B	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2121B	
175	D02	C-NSWGB-AC2121B-02	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2121B	
176	D02	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 2121B	
177	D02	L-NSWGB-AC2122B	0.4	GCS-400-NSWG-001B	AC-2122B	5.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	First Stage Air Cooler 2122B	
178	D02	C-NSWGB-AC2122B-01	0.23	GCS-400-NSWG-001B	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2122B	
179	D02	C-NSWGB-AC2122B-02	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2122B	
180	D02	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 2122B	
181	D02	L-NSWGA-AC2121C	0.4	GCS-400-NSWG-001A	AC-2121C	5.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	First Stage Air Cooler 2121C	
182	D02	C-NSWGA-AC2121C-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2121C	
183	D02	C-NSWGA-AC2121C-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2121C	
184	D02	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 2121C	
185	D02	L-NSWGA-AC2122C	0.4	GCS-400-NSWG-001A	AC-2122C	5.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	First Stage Air Cooler 2122C	
186	D02	C-NSWGA-AC2122C-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2122C	
187	D02	C-NSWGA-AC2122C-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2122C	
188	D02	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 2122C	
189	D02	L-NSWGA-AC2131A	0.4	GCS-400-NSWG-001A	AC-2131A	7.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	Second Stage Air Cooler 2131A	
190	D02	C-NSWGA-AC2131A-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2131A	
191	D02	C-NSWGA-AC2131A-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2131A	
192	D02	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 2131A	
193	D02	L-NSWGA-AC2132A	0.4	GCS-400-NSWG-001A	AC-2132A	7.5	3×10	3C	10	-	-	310	M32	M32 EX	26.7	A	Second Stage Air Cooler 2132A	
194	D02	C-NSWGA-AC2132A-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2132A	
195	D02	C-NSWGA-AC2132A-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2132A	
196	D02	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 2132A	
197	D02	L-NSWGB-AC2131B	0.4	GCS-400-NSWG-001B	AC-2131B	7.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	Second Stage Air Cooler 2132A	
198	D02	C-NSWGB-AC2131B-01	0.23	GCS-400-NSWG-001B	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2132A	
199	D02	C-NSWGB-AC2131B-02	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2132A	
200	D02	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 2132A	
201	D02	L-NSWGB-AC2132B	0.4	GCS-400-NSWG-001B	AC-2132B	7.5	3×10	3C	10	-	-	340	M32	M32 EX	26.7	A	Second Stage Air Cooler 2132A	
202	D02	C-NSWGB-AC2132B-01	0.23	GCS-400-NSWG-001B	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2132A	
203	D02	C-NSWGB-AC2132B-02	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2132A	
204	D02	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 2132A	
205	D02	L-NSWGA-AC2131C	0.4	GCS-400-NSWG-001A	AC-2131C	7.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	Second Stage Air Cooler 2131C	
206	D02	C-NSWGA-AC2131C-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2131C	
207	D02	C-NSWGA-AC2131C-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2131C	

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				
208	D02	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 2131C	
209	D02	L-NSWGA-AC2132C	0.4	GCS-400-NSWG-001A	AC-2132C	7.5	3×10	3C	10	-	-	370	M32	M32 EX	26.7	A	Second Stage Air Cooler 2132C	
210	D02	C-NSWGA-AC2132C-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Air Cooler 2132C	
211	D02	C-NSWGA-AC2132C-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Air Cooler 2132C	
212	D02	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 2132C	
213	D02	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	
214	D02	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	
215	D02	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	
216	D02	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	
217	D02	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	
218	D02	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	
219	D02	L-NSWGA-PK2201	0.4	GCS-400-NSWG-001A	PK-2201	30	3×120+70	4C	120	70	-	420	M63	M63	59.3	Z	LP Flare Package	
220	D02	L-NSWGB-PK2207	0.4	GCS-400-NSWG-001B	PK-2207	1.85	4×10	4C	10	10	-	250	M32	M32 EX	28.1	A	Corrosion Inhibitor Package (Chemical Package)	
221	D02	L-NSWGB-PK2101	0.4	GCS-400-NSWG-001B	PK-2101	4.4	4×25	4C	25	-	-	250	M63	M63 EX	53.8	A	Dehydration Package	
222	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	
223	D02	C-PK2101-P100A1	0.23	PK-2101	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Lean Teg Circulation Pump A	
224	D02	C-PK2101-P100A2	0.23	PK-2101	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Lean Teg Circulation Pump A	
225	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	
226	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	
227	D02	C-PK2101-P100B1	0.23	PK-2101	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Lean Teg Circulation Pump B	
228	D02	C-PK2101-P100B2	0.23	PK-2101	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Lean Teg Circulation Pump B	
229	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	
230	D02	L-NSWGE-P2203A	0.4	GCS-400-NSWG-001E	P-2203A	3	3×10	3C	10	-	-	400	M32	M32 EX	26.7	A	Sump Pump A	
231	D02	C-NSWGE-P2203A-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Sump Pump A	
232	D02	C-NSWGE-P2203A-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Sump Pump A	
233	D02	C-NSWGE-P2203A-03	0.23	GCS-400-NSWG-001E	LCS	-	7×2.5	7C	2.5	-	-	400	M25	M25 EX	25.3	D	LCS for Sump Pump A	
234	D02	L-NSWGE-P2203B	0.4	GCS-400-NSWG-001E	P-2203B	3	3×10	3C	10	-	-	400	M32	M32 EX	26.7	A	Sump Pump B	
235	D02	C-NSWGE-P2203B-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Sump Pump B	
236	D02	C-NSWGE-P2203B-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Sump Pump B	
237	D02	C-NSWGE-P2203B-03	0.23	GCS-400-NSWG-001E	LCS	-	7×2.5	7C	2.5	-	-	400	M25	M25 EX	25.3	D	LCS for Sump Pump B	
238	D02	L-NSWGE-P-2202A	0.4	GCS-400-NSWG-001E	P-2202A	9	3×25	3C	25	-	-	410	M32	M32 EX	32.4	A	Closed Drain Pump A	
239	D02	C-NSWGE-P-2202A-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Closed Drain Pump A	
240	D02	C-NSWGE-P-2202A-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Closed Drain Pump A	
241	D02	C-NSWGE-P-2202A-03	0.23	GCS-400-NSWG-001E	LCS	-	10×2.5	10C	2.5	-	-	410	M32	M32 EX	29.0	D	LCS for Closed Drain Pump A	
242	D02	L-NSWGE-P-2202B	0.4	GCS-400-NSWG-001E	P-2202B	9	3×25	3C	25	-	-	410	M32	M32 EX	32.4	A	Closed Drain Pump B	
243	D02	C-NSWGE-P-2202B-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Closed Drain Pump B	
244	D02	C-NSWGE-P-2202B-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Closed Drain Pump B	
245	D02	C-NSWGE-P-2202B-03	0.23	GCS-400-NSWG-001E	LCS	-	10×2.5	10C	2.5	-	-	410	M32	M32 EX	29.0	D	LCS for Closed Drain Pump B	
246	D02	L-NSWGE-P-2101A	0.4	GCS-400-NSWG-001E	P-2101A	15	3×16	3C	16	-	-	210	M32	M32 EX	28.2	A	Slug Pump A	
247	D02	C-NSWGE-P-2101A-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Slug Pump A	
248	D02	C-NSWGE-P-2101A-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Slug Pump A	
249	D02	C-NSWGE-P-2101A-03	0.23	GCS-400-NSWG-001E	LCS	-	10×2.5	10C	2.5	-	-	210	M32	M32 EX	29.0	D	LCS for Slug Pump A	
250	D02	L-NSWGE-P-2101B	0.4	GCS-400-NSWG-001E	P-2101B	15	3×16	3C	16	-	-	210	M32	M32 EX	28.2	A	Slug Pump B	
251	D02	C-NSWGE-P-2101B-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Slug Pump B	
252	D02	C-NSWGE-P-2101B-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Slug Pump B	
253	D02	C-NSWGE-P-2101B-03	0.23	GCS-400-NSWG-001E	LCS	-	10×2.5	10C	2.5	-	-	210	M32	M32 EX	29.0	D	LCS for Slug Pump B	
254	D02	L-NSWGE-P-2302A	0.4	GCS-400-NSWG-001E	P-2302A	18.5	3×25	3C	25	-	-	215	M25	M25	26.4	B	Fire Water Jockey Pump A Panel	
255	D02	C-NSWGE-P-2302A	0.23	GCS-400-NSWG-001E	LCS	-	2×4	2C	4	-	-	215	M20 A	M20 A	16.6	B	Ammeter for Fire Water Jockey Pump A	
256	D02	L-NSWGE-P-2302B	0.4	GCS-400-NSWG-001E	P-2302B	18.5	3×25	3C	25	-	-	215	M25	M25	26.4	B	Fire Water Jockey Pump B Panel	
257	D02	C-NSWGE-P-2302B	0.23	GCS-400-NSWG-001E	LCS	-	3×4	3C	4	-	-	215	M20 A	M20 A	16.6	B	LCS for Fire Water Jockey Pump B	
258	D02	L-NSWGB-P-2209	0.4	GCS-400-NSWG-001B	P-2209	3	3×4	3C	4	-	-	90	M20 A	M20 A	16.6	B	Potable Water Pump	
259	D02	C-NSWGB-P-2209-01	0.23	GCS-400-NSWG-001B	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Potable Water Pump	

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				
260	D02	C-NSWGB-P-2209-02	0.23	GCS-400-NSWG-001B	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Potable Water Pump	
261	D02	C-NSWGB-P-2209-03	0.23	GCS-400-NSWG-001B	LCS	-	7×2.5	7C	2.5	-	-	90	M25	M25	20	E	LCS for Potable Water Pump	
262	D02	L-NSWGB-P-2206	0.4	GCS-400-NSWG-001B	P-2206	1.5	3×4	3C	4	-	-	215	M20 A	M20 A	16.6	B	Diesel Oil Pump	
263	D02	L-NSWGE-IG-2201	0.23	GCS-400-NSWG-001E	IG-2201	1	5×10	5C	10	10	10	700	M25	M25	22.3	B	LP Flare Ignition Package	HOLD
264	D02	L-NSWGE-P-2201A	0.4	GCS-400-NSWG-001E	P-2201A	1.1	3×10	3C	10	-	-	420	M20	M20 EX	20.7	A	LP Flare K.O. Drum Pump A	
265	D02	C-NSWGE-P-2201A-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for LP Flare K.O. Drum Pump A	
266	D02	C-NSWGE-P-2201A-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for LP Flare K.O. Drum Pump A	
267	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	
268	D02	L-NSWGE-P-2201B	0.4	GCS-400-NSWG-001E	P-2201B	1.1	3×10	3C	10	-	-	420	M20	M20 EX	20.7	A	LP Flare K.O. Drum Pump B	
269	D02	C-NSWGE-P-2201B-01	0.23	GCS-400-NSWG-001E	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for LP Flare K.O. Drum Pump B	
270	D02	C-NSWGE-P-2201B-02	0.23	GCS-400-NSWG-001E	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for LP Flare K.O. Drum Pump B	
271	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	
272	D02	L-NSWGA-P-2103A	0.4	GCS-400-NSWG-001A	P-2103A	5.5	3×16	3C	16	-	-	370	M25	M25 EX	22.2	A	Glycol Transfer Pump A	
273	D02	C-NSWGA-P-2103A-01	0.23	GCS-400-NSWG-001A	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Glycol Transfer Pump A	
274	D02	C-NSWGA-P-2103A-02	0.23	GCS-400-NSWG-001A	IRP-ESD	-	3×2.5	3C	2.5	-	-	20	M20	M20	14.2	E	IRP-ESD for Glycol Transfer Pump A	
275	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	
276	D02	L-NSWGB-P-2103B	0.4	GCS-400-NSWG-001B	P-2103B	5.5	3×16	3C	16	-	-	370	M25	M25 EX	22.2	A	Glycol Transfer Pump B	
277	D02	C-NSWGB-P-2103B-02	0.23	GCS-400-NSWG-001B	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS for Glycol Transfer Pump B	
278	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	
279	D02	L-NSWGB-P-2102	0.4	GCS-400-NSWG-001B	P-2102	1.1	3×10	3C	10	-	-	340	M20	M20 EX	20.7	A	Glycol Manual Pump	
280	D02	C-NSWGB-P-2102-02	0.23	GCS-400-NSWG-001B	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS & ESD for Glycol Manual Pump	
281	D02	C-NSWGB-P-2102-03	0.23	GCS-400-NSWG-001B	LCS	-	10×2.5	10C	2.5	-	-	340	M32	M32 EX	29.0	D	LCS for Glycol Manual Pump	
282	D02	L-NSWGB-P-2104	0.4	GCS-400-NSWG-001B	P-2104	3	3×10	3C	10	-	-	400	M20	M20 EX	20.7	A	Glycol Drain Pump	
283	D02	C-NSWGB-P-2104-02	0.23	GCS-400-NSWG-001B	IRP-DCS	-	16×2.5	16C	2.5	-	-	25	M25	M25	21.6	E	IRP-DCS & ESD for Glycol Drain Pump	
284	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	
285	D02	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	
286	D02	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	
287	D02	L-NSWGB-NDP-01	0.4	GCS-400-NSWG-001B	GCS-400-NDP-01	13.7	3×70+35	3C	70	35	-	250	M50	M50 EX	47.9	A	Process Area Normal Lighting Panel	
288	D02	L-NSWGE-EDP-01	0.4	GCS-400-NSWG-001E	GCS-400-EDP-01	3.92	4×16	4C	16	16	-	250	M25	M25 EX	22.2	A	Process Area Emergency Lighting Panel	
289	D02	L-NSWGA-NDP-02	0.4	GCS-400-NSWG-001A	GCS-400-NDP-02	6.6	4×35	4C	35	35	-	220	M32	M32	28.6	B	Utility Area Normal Lighting Panel	
290	D02	L-NSWGE-EDP-02	0.4	GCS-400-NSWG-001E	GCS-400-EDP-02	3.2	4×16	4C	16	16	-	220	M25	M25	22.2	B	Utility Area Emergency Lighting Panel	
291	D02	L-NSWGB-WS-PR-01	0.4	GCS-400-NSWG-001B	WS-PR-01	35	3×50+25	4C	50	25	-	250	M50	M50 EX	42.2	A	First Welding Receptacle (Process Area)	
292	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)	
293	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)	
294	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)	
295	D02	L-NSWGA-WS-PR-03	0.4	GCS-400-NSWG-001A	WS-PR-03	35	3×50+25	4C	50	25	-	310	M50	M50 EX	42.2	A	Third Welding Receptacle (Process Area)	
296	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)	
297	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)	
298	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)	
299	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)	
300	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)	
301	D02	L-NSWGB-WS-UT-01	0.4	GCS-400-NSWG-001B	WS-UT-01	35	3×50+25	4C	50	25	-	225	M40	M40	36.3	B	First Welding Receptacle (Utility Area)	
302	D02	L-WS-UT-01-SC-UT-01	0.23	WS-UT-01	SC-UT-01	3	3×4	3C	4	4	4	2	M20 A	M20 A	16.6	B	to Junction Box for First Outlet Socket (Utility Area)	
303	D02	L-NSWGA-WS-UT-02	0.4	GCS-400-NSWG-001A	WS-UT-02	35	3×50+25	4C	50	25	-	275	M40	M40	36.3	B	Second Welding Receptacle (Utility Area)	
304	D02	L-WS-UT-02-SC-UT-02	0.23	WS-UT-02	SC-UT-02	3	3×4	3C	4	4	4	2	M20 A	M20 A	16.6	B	to Junction Box for Second Outlet Socket (Utility Area)	
305	D02	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	
306	D02	L-NSWGA-110-CHG001	0.4	GCS-400-NSWG-001A	GCS-110-CHG-001	20	3×95	3C	95	-	-	25	M25	M25	24.5	B	110VDC Charger 1	
307	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	
308	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	
309	D02	L-NSWGE-110-CHG002	0.4	GCS-400-NSWG-001E	GCS-110-CHG-002	20	3×95	3C	95	-	-	30	M25	M25	24.5	B	110VDC Charger 2	
310	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	
311	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	

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				
312	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	
313	D01	L-110CH-F09	0.11DC	GCS-110-CHG-F09	0.4 KV New Switchgear A	0.75	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	To 0.4 KV New Switchgear A & Coupler	
314	D01	L-110CH-F10	0.11DC	GCS-110-CHG-F10	0.4 KV New Switchgear B	0.75	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	To 0.4 KV New Switchgear B	
315	D01	L-110CH-F11	0.11DC	GCS-110-CHG-F11	0.4 KV New Switchgear E	0.7	2×6	2C	6	-	-	15	M20 A	M20 A	16.8	B	To 0.4 KV New Switchgear E	
316	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	
317	D02	L-NSWGA-24-CHG001	0.4	GCS-400-NSWG-001A	GCS-24-CHG-001	16.2	3(2x(1x150))	1C	150	-	-	50	M50	M50	45.5	B	24VDC Charger 1	
318	D02	L-24-CHG001-FB1	0.024DC	GCS-24-CHG-001	24-Fuse Box 1	5.55	2x(1x185)	1C	185	-	-	20	M50	M50	50.5	B	DC Charger Fuse Box 1	
319	D02	L-24-FB1-BAT1	0.024DC	24-Fuse Box 1	24-Battery Bank 1	5.55	2x(1x185)	1C	185	-	-	15	M50	M50	50.5	B	DC Charger Battery Bank 1	
320	D02	L-NSWGE-24-CHG002	0.4	GCS-400-NSWG-001E	GCS-24-CHG-002	16.2	3(2x(1x150))	1C	150	-	-	60	M50	M50	45.5	B	24VDC Charger 2	
321	D02	L-24-CHG002-FB2	0.024DC	GCS-24-CHG-002	24-Fuse Box 2	5.55	2x(1x185)	1C	185	-	-	20	M50	M50	50.5	B	DC Charger Fuse Box 2	
322	D02	L-24-FB2-BAT2	0.024DC	24-Fuse Box 2	24-Battery Bank 2	5.55	2x(1x185)	1C	185	-	-	15	M50	M50	50.5	B	DC Charger Battery Bank 2	
323	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	
324	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)	
325	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	
326	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)	
327	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	
328	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)	
329	D01	L-24CH-F09	0.024DC	GCS-24-CHG-F09	FACP	0.9	2×50	2C	50	-	-	30	M32	M32	30.2	B	FACP	
330	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)	
331	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	
332	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)	
333	D02	L-NSWGB-110-UPS001	0.4	GCS-400-NSWG-001B	GCS-110-UPS-001	43.41	3×70+35	4C	70	35	-	45	M40	M40	41.6	B	110VAC UPS 1	
334	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	
335	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	
336	D02	L-NSWGA-110-UPS002	0.4	GCS-400-NSWG-001E	GCS-110-UPS-002	43.41	3×70+35	4C	70	35	-	55	M40	M40	41.6	B	110VAC UPS 2	
337	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	
338	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	
339	D02	L-NSWGE-UPS-Bypass	0.4	GCS-400-NSWG-001E	GCS-110-UPS-Bypass	43.41	3×70+35	4C	70	35	-	55	M40	M40	41.6	B	110VAC UPS By Pass	
340	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	
341	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)	
342	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	
343	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)	
344	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	
345	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)	
346	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	
347	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)	
348	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	
349	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)	
350	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	
351	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)	
352	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	
353	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)	
354	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	
355	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)	
356	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	
357	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)	
358	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	
359	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)	
360	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	
361	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)	
362	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	
363	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)	

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				
364	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	
365	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)	
366	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	
367	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)	
368	D02	L-110UPS-F31	0.11AC	GCS-110-UPS-F31	Air Drayer A	1.6	3×50+25+25	3C	50	25	25	300	M40	M40	36.3	B	Air Drayer A Local LCP	
369	D02	L-110UPS-F32	0.11AC	GCS-110-UPS-F32	Air Drayer A	1.6	3×50+25+25	3C	50	25	25	300	M40	M40	36.3	B	Air Drayer A Local LCP (Redundant)	
370	D02	L-110UPS-F33	0.11AC	GCS-110-UPS-F33	Air Drayer B	1.6	3×50+25+25	3C	50	25	25	300	M40	M40	36.3	B	Air Drayer B Local LCP	
371	D02	L-110UPS-F34	0.11AC	GCS-110-UPS-F34	Air Drayer B	1.6	3×50+25+25	3C	50	25	25	300	M40	M40	36.3	B	Air Drayer B Local LCP (Redundant)	
372	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	
373	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)	
374	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)	
375	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	
376	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	
377	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	
378	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	
379	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	
380	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	
381	D02	L-NSWGE-Non UPS	0.4	GCS-400-NSWG-001E	GCS-400-Non UPS	19.2	4×25	4C	25	25	-	60	M25	M25	26.4	B	Non-UPS Load for Instrument	
382	D02	L-Non UPS-F01	0.23	GCS-400-Non UPS-F01	F01	0.7	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Cabinet Utilities For DCS A (Heater, Fan, Light)	
383	D02	L-Non UPS-F02	0.23	GCS-400-Non UPS-F02	F02	0.7	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Cabinet Utilities For DCS B (Heater, Fan, Light)	
384	D02	L-Non UPS-F03	0.23	GCS-400-Non UPS-F03	F03	0.7	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Cabinet Utilities For DCS C (Heater, Fan, Light)	
385	D02	L-Non UPS-F04	0.23	GCS-400-Non UPS-F04	F04	0.7	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Cabinet Utilities For DCS D (Heater, Fan, Light)	
386	D02	L-Non UPS-F05	0.23	GCS-400-Non UPS-F05	F05	0.7	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Cabinet Utilities For ESD A (Heater, Fan, Light)	
387	D02	L-Non UPS-F06	0.23	GCS-400-Non UPS-F06	F06	0.7	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Cabinet Utilities For ESD B (Heater, Fan, Light)	
388	D02	L-Non UPS-F07	0.23	GCS-400-Non UPS-F07	F07	0.7	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Cabinet Utilities For ESD C (Heater, Fan, Light)	
389	D02	L-Non UPS-F08	0.23	GCS-400-Non UPS-F08	F08	0.7	3×4	3C	4	4	4	25	M20 A	M20 A	16.6	B	Cabinet Utilities For F&G A (Heater, Fan, Light)	
390	D02	L-Non UPS-F09	0.23	GCS-400-Non UPS-F08	F09	0.7	3×4	3C	4	4	4	25	M20 A	M20 A	16.6	B	Cabinet Utilities For F&G B (Heater, Fan, Light)	
391	D02	L-Non UPS-F10	0.23	GCS-400-Non UPS-F08	F10	0.7	3×4	3C	4	4	4	25	M20 A	M20 A	16.6	B	Cabinet Utilities For F&G C (Heater, Fan, Light)	
392	D02	L-Non UPS-F11	0.23	GCS-400-Non UPS-F09	F11	0.7	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Gas Compressor UCP A (Heater, Fan, Light)	
393	D02	L-Non UPS-F12	0.23	GCS-400-Non UPS-F09	F12	0.7	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Gas Compressor UCP B (Heater, Fan, Light)	
394	D02	L-Non UPS-F13	0.23	GCS-400-Non UPS-F09	F13	0.7	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Gas Compressor UCP C (Heater, Fan, Light)	
395	D02	L-Non UPS-F14	0.23	GCS-400-Non UPS-F10	F14	0.7	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Dehydration BMS A ((if any) (Heater, Socket, Fan, Light)	
396	D02	L-Non UPS-F15	0.23	GCS-400-Non UPS-F10	F15	0.7	3×4	3C	4	4	4	10	M20 A	M20 A	16.6	B	Cabinet Utilities For Dehydration BMS B ((if any) (Heater, Socket, Fan, Light)	
397	D02	L-Non UPS-F16	0.23	GCS-400-Non UPS-F11	F16	0.7	3×4	3C	4	4	4	75	M20 A	M20 A	16.6	B	Cabinet Utilities For Total Flooding UCP(Heater, Socket, Fan, Light)	
398	D02	L-Non UPS-F17	0.23	GCS-400-Non UPS-F12	F17	0.7	3×4	3C	4	4	4	30	M20 A	M20 A	16.6	B	Cabinet Utilities For Paging Cabinet (Heater, Socket, Fan, Light)	
399	D02	L-Non UPS-F18	0.23	GCS-400-Non UPS-F13	F18	0.7	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B	Cabinet Utilities For Air Compressor UCP A (Heater, Socket, Fan, Light)	
400	D02	L-Non UPS-F19	0.23	GCS-400-Non UPS-F13	F19	0.7	3×4	3C	4	4	4	20	M20 A	M20 A	16.6	B	Cabinet Utilities For Air Compressor UCP B (Heater, Socket, Fan, Light)	
401	D02	L-Non UPS-F20	0.23	GCS-400-Non UPS-F14	F20	0.7	3×4	3C	4	4	4	25	M20 A	M20 A	16.6	B	Cabinet Utilities For Nitrogen package UCP(Heater, Socket, Fan, Light)	
402	D02	L-Non UPS-F21	0.23	GCS-400-Non UPS-F15	F21	3.5	3×10	3C	10	10	10	30	M25	M25	20.7	B	Control Desk Sockets	
403	D02	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 01 (Electrical Main Motor)	
404	D02	L-NSWGE-FDP 02	0.4	GCS-400-NSWG-001E	GCS-230-FDP 02	1	4×4	4C	4	4	-	210	M20 A	M20 A	17.7	B	Fire Diesel Panel 02 (Diesel Engine)	
405	D02	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	
406	D02	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	
407	D02	L-NSWGE-EDP-CRM	0.4	GCS-400-NSWG-001E	GCS-400-EDP-CRM	10	4×16	4C	16	16	-	75	M25	M25	24.5	B	Control Room Emergency Lighting Panel	
408	D02	L-NSWGE-HVAC-CRM1	0.4	GCS-400-NSWG-001E	GCS-400-HVAC-CRM1	97.9	3×240+120	3C	240	120	-	75	M90	M90	78.4	B	Control Room Emergency Distribution Panel for HVAC 1	
409	D02	L-NSWGB-EDP-CRM2	0.4	GCS-400-NSWG-001B	GCS-400-EDP-CRM2	97.9	3×240+120	3C	240	120	-	75	M90	M90	78.4	B	Control Room Emergency Distribution Panel for HVAC 2	
410	D02	L-NSWGE-EDP-SWHVAC	0.4	GCS-400-NSWG-001E	GCS-400-EDP-SWHVAC	30	3×50+25	3C	50	25	-	75	M40	M40	42.2	B	Switchgear Emergency Distribution Panel & HVAC	
411	D02	L-NSWGE-EDP-WARE	0.4	GCS-400-NSWG-001E	GCS-400-EDP-WARE	10.2	4×16	4C	16	16	-	100	M25	M25	24.5	B	Warehouse Emergency Distribution Panel & HVAC	
412	D02	L-NSWGE-EHTG		GCS-400-NSWG-001E	EHTG												Electrical Heat-Tracing	
413	D02	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	
414	D02	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	
415	D01	C-NSWGA-CAP-A		GCS-400-NSWG-001A	CAP-01	-	3×4	3C	-	-	-	35	M25	M25	20	E	Control Cable of LV Switchgear A Capacitor Bank	

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				
416	D02	L-NSWGA-CAP-B-01	0.4	GCS-400-NSWG-001B	CAP-02	120	3×185	3C	185	-	-	25	M63	M63	56.9	B	Cable 1 of LV Switchgear B Capacitor Bank	
417	D02	L-NSWGA-CAP-B-02	0.4	GCS-400-NSWG-001B	CAP-02	120	3×185	3C	185	-	-	25	M63	M63	56.9	B	Cable 2 of LV Switchgear B Capacitor Bank	
418	D01	C-NSWGA-CAP-B		GCS-400-NSWG-001B	CAP-02	-	3×4	3C	-	-	-	25	M25	M25	20	E	Control Cable of LV Switchgear A Capacitor Bank	
419	D02	L-NSWGA-DG-001A1	0.4	GCS-400-NSWG-001E	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	
420	D02	L-NSWGA-DG-001A2	0.4	GCS-400-NSWG-001E	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	
421	D02	L-NSWGA-DG-001B1	0.4	GCS-400-NSWG-001E	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	
422	D02	L-NSWGA-DG-001B2	0.4	GCS-400-NSWG-001E	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	
423	D02	L-NSWGA-DG-001C1	0.4	GCS-400-NSWG-001E	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	
424	D02	L-NSWGA-DG-001C2	0.4	GCS-400-NSWG-001E	GCS-DG-001	400	1×300	1C	300	-	-	30	M40	M40	34.2	C	to Generator Control Panel	
425	D02	L-NSWGA-DG-001N1	0.4	GCS-400-NSWG-001E	GCS-DG-001	400	1×300	1C	-	300	-	30	M40	M40	34.2	C	to Generator Control Panel	
426	D02	C-NSWGA-DG-001	0.11DC	GCS-400-NSWG-001E	GCS-DG-001	-	12×2.5	12C	2.5	-	-	30	M25	M25	24.4	E	To / From LV Switchgear	
427	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	
428	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	
429	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	
430	D02	L-NSWGE-CCTV	0.4	GCS-400-NSWG-001E	CCTV Control Building	21.69	3×95+50	3C	95	50	-	200	M63	M63	53.8	B	GCS CCTV Emergency Distribution Panel & HVAC	

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	
2	D02	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	100	M20 A	M20 A	15.3	Z	From Tower JB to Terminal Box & Floodlight Fixtures	
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	D02	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	80	M20 A	M20 A	15.3	Z	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	
6	D02	-	0.23	FLT-JB	Floodlight Fixtures		3×2.5	3C	3	2.5	2.5	70	M20 A	M20 A	15.3	Z	From Tower JB to Terminal Box & Floodlight Fixtures	
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	
8	D02	-	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	L	From Fluorescent Lighting JB to Fluorescent Lightings	
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	
10	D02	-	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	L	From Fluorescent Lighting JB to Fluorescent Lightings	
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	
12	D02	-	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	L	From Fluorescent Lighting JB to Fluorescent Lightings	
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	
14	D02	-	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	L	From Fluorescent Lighting JB to Fluorescent Lightings	
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	
16	D02	-	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	L	From Fluorescent Lighting JB to Fluorescent Lightings	
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	D02	-	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	L	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	D02	-	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	L	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	D02	-	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	L	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	D02	-	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	L	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	D02	-	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	L	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	
28	D02	-	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	L	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	
30	D02	-	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	L	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	
32	D02	-	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	L	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	
34	D02	-	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	L	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	
36	D02	-	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	L	From Fluorescent Lighting JB to Fluorescent Lightings	