

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض								 شرکت پالایش و پخش نفت ایران
	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: ۹ از ۹
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	EL	LI	0002	D00	

طرح نگهداشت و افزایش تولید ۲۷ مخزن

ELECTRICAL POWER & CONTROL CABLE SCHEDULE

نگهداشت و افزایش تولید میدان نفتی بینک

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: 2	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

پروژه

BK

بسته کاری

GCS

صادرکننده

PEDCO

تسهیلات

120

رشته

EL

نوع مدرک

LI

سریال

0002

نسخه

D00

شماره صفحه: ۹ از ۲

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:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

بسته کاری

صادر کننده

تسهیلات

رشته

نوع مدرک

سریال

نسخه

شماره صفحه: ۳ از ۹

BK

GCS

PEDCO

120

EL

LI

0002

D00

1. ELECTRICAL CABLE NUMBERING SYSTEM

XXX-XXXX-XX-XX
1 2 3

(1) 1ST GROUP (EQUIPMENT NUMBER)

(2) 2ND GROUP (CABLE TYPE COMMODITY CODE):

HP: HIGH VOLTAGE POWER CABLE (20 KV & ABOVE)

MP: MEDIUM VOLTAGE POWER CABLE (6 KV & ABOVE)

LP: LOW VOLTAGE POWER CABLE (VOLTAGE LESS THAN 1KV)

SH: CABLE FOR MOTOR SPACE HEATER

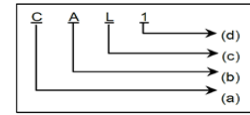
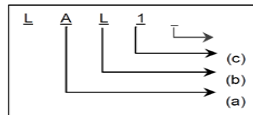
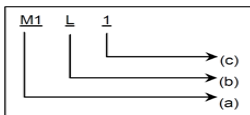
CS: CABLE FOR LOCAL CONTROL STATION

CT: CURRENT CABLES

C: CONTROL CABLES

(3) SERIAL NO.

2. CABLE TYPE



MV Power Cables (Armoured)

(a) Cable Voltage

M1 11 kV

M2 3.3 kV

(b) Lead Cover Type

L With Lead cover

N Without Lead cover

(c) Number of Cores

1 Single Core

3 Multi Core

LV Power Cables

(a) Armour Type

A Armoured

U Un-Armoured

(b) Lead Cover type

L With Lead cover

N Without Lead cover

(c) Number of cores

1 to 5

(d) VFD Type

V VFD Cables

None None VFD Cables

Control Cables

(b) Armour Type

A Armoured

U Un-Armoured

(c) Lead Cover type

L With Lead cover

N Without Lead cover

(d) Number of cores

1 to 30

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 (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description
				From	To			Core	Phase	N	E		Source	Field			
1	D00	TR-001-MP-01	11	GCS-11-SWG-001A	GCS-TR-001	1250KVA	3×95	3C	95	-	-	40	-	-	68.8	M1N3	Transformer-001 11/.42 KV
2	D00	NSWG-001A-LP-A1	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
3	D00	NSWG-001A-LP-A2	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
4	D00	NSWG-001A-LP-A3	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
5	D00	NSWG-001A-LP-A4	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
6	D00	NSWG-001A-LP-B1	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
7	D00	NSWG-001A-LP-B2	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
8	D00	NSWG-001A-LP-B3	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
9	D00	NSWG-001A-LP-B4	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
10	D00	NSWG-001A-LP-C1	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
11	D00	NSWG-001A-LP-C2	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
12	D00	NSWG-001A-LP-C3	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
13	D00	NSWG-001A-LP-C4	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
14	D00	NSWG-001A-LP-N1	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	-	400	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
15	D00	NSWG-001A-LP-N2	0.4	GCS-TR-001	GCS-400-NSWG-001A	1250KVA	1×400	1C	-	400	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 001 to LV Switchgear
16	D00	NSWG-001A-C-A1	0.11DC	GCS-TR-001	GCS-400-NSWG-001A	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	from Secondary Side of Transformer 001 to LV Switchgear
17	D00	TR-002-MP-02	11	GCS-11-SWG-001B	GCS-TR-002	1250KVA	3×95	3C	95	-	-	40	-	-	68.8	M1N3	Transformer-002 11/.42 KV
18	D00	NSWG-001B-LP-A1	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
19	D00	NSWG-001B-LP-A2	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
20	D00	NSWG-001B-LP-A3	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
21	D00	NSWG-001B-LP-A4	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
22	D00	NSWG-001B-LP-B1	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
23	D00	NSWG-001B-LP-B2	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
24	D00	NSWG-001B-LP-B3	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
25	D00	NSWG-001B-LP-B4	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
26	D00	NSWG-001B-LP-C1	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
27	D00	NSWG-001B-LP-C2	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
28	D00	NSWG-001B-LP-C3	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
29	D00	NSWG-001B-LP-C4	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	400	-	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
30	D00	NSWG-001B-LP-N1	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	-	400	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
31	D00	NSWG-001B-LP-N2	0.4	GCS-TR-002	GCS-400-NSWG-001B	1250KVA	1×400	1C	-	400	-	20	-	M40	39.6	LAN1	from Secondary Side of Transformer 002 to LV Switchgear
32	D00	NSWG-001B-C-B1	0.11DC	GCS-TR-002	GCS-400-NSWG-001B	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	from Secondary Side of Transformer 002 to LV Switchgear
33	D00	SWG-3.3-MP-01	11	GCS-11-SWG-001B	GCS-TR-03	800 kVA	3×70	3C	70	-	-	40	-	-	64.5	M1N3	from Switchgear 11 to Fire Water Transformer
34	D00	TR-03-MP-02	3.3	GCS-TR-03	GCS-3.3-SWG-001	-	3×70	3C	70	-	-	40	-	M63	64.5	M2N3	from Secondary Side of Transformer to Fire Water Electric Pump
35	D00	P-2301A-MP-A1	3.3	GCS-3.3-SWG-001	P-2301A	300	3×70	3C	70	-	-	40	M63	M63	64.5	M2N3	Fire Water Electric Pump
36	D00	NGR-01-MP-03	3.3	GCS-TR-03	GCS-3.3-NGR-01	-	3×70	3C	70	-	-	40	M63	M63	64.5	M2N3	NGR
37	D00	NSWG-001A-C-C1	0.11DC	GCS-TR-03	GCS-3.3-SWG-001	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	from Secondary Side of Transformer 03 to 3.3 Switchgear
38	D00	C-2101A-MP-A1	11	GCS-11-SWG-001A	C-2101A	1250	3×95	3C	95	-	-	250	M75	M75	75.2	M1L3	First & Second Stage Gas Compressor A
39	D00	CAP-MP-A2	11	GCS-11-SWG-001A	Cap Bank A	600 kvar	3×95	3C	95	-	-	40	M75	M75	75.2	M1N3	Capacitor Bank for Gas Compressor A
40	D00	C-2101A-C-A3	0.11DC	GCS-11-SWG-001A	C-2101A	1250	10×2.5	10C	2.5	-	-	250	M25	M25	22.9	CAL10	LCS for Gas Compressor A
41	D00	NDP-2101A-LP-01	0.4	GCS-400-NSWG-001A	NDP-2101A	20	3×95+50	4C	95	50	-	250	M63	M63	53.8	LAN4	Normal Panel for Gas Compressor C-2101A (Auxiliary)

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
				From	To			Core	Phase	N	E		Source	Field			
42	D00	C-2101A-C-A5	0.4	GCS-11-SWG-001A	C-2101A	-	10×3PL	10C	2	-	-	250	M25	M25	19.8	CAL10	RTD for Gas Compressor A
43	D00	C-2101B-MP-B1	11	GCS-11-SWG-001B	C-2101B	1250	3×95	3C	95	-	-	280	M75	M75	75.2	MAL3	First & Second Stage Gas Compressor B
44	D00	CAP-MP-B2	11	GCS-11-SWG-001B	Cap Bank B	600 kvar	3×95	3C	95	-	-	40	M75	M75	75.2	MAL3	Capacitor Bank for Gas Compressor B
45	D00	C-2101B-C-B3	0.11DC	GCS-11-SWG-001B	C-2101B	1250	10×2.5	10C	2.5	-	-	280	M25	M25	22.9	CAL10	LCS for Gas Compressor B
46	D00	NDP-2101B-LP-01	0.4	GCS-400-NSWG-001B	NDP-2101B	20	3×120+70	4C	120	70	-	280	M63	M63	59.3	LAN4	Normal Panel for Gas Compressor C-2101B (Auxiliary)
47	D00	C-2101A-C-B5	0.4	GCS-11-SWG-001B	C-2101B	-	10×3PL	10C	2	-	-	280	M25	M25	19.8	CAL10	RTD for Gas Compressor B
48	D00	C-2101C-MP-C1	11	GCS-11-SWG-001A	C-2101C	1250	3×95	3C	95	-	-	310	M75	M75	75.2	MAL3	First & Second Stage Gas Compressor C
49	D00	CAP-MP-C2	11	GCS-11-SWG-001A	Cap Bank C	600 kvar	3×95	3C	95	-	-	40	M75	M75	75.2	MAL3	Capacitor Bank for Gas Compressor C
50	D00	C-2101C-C-C3	0.11DC	GCS-11-SWG-001A	C-2101C	1250	10×2.5	10C	2.5	-	-	310	M25	M25	22.9	CAL10	LCS for Gas Compressor C
51	D00	NDP-2101C-LP-01	0.4	GCS-400-NSWG-001B	NDP-2101C	20	3×120+70	4C	120	70	-	310	M63	M63	59.3	LAN4	Normal Panel for Gas Compressor C-2101C (Auxiliary)
52	D00	C-2101A-C-C5	0.4	GCS-11-SWG-001A	C-2101C	-	10×3PL	10C	2	-	-	310	M25	M25	19.8	CAL10	RTD for Gas Compressor C
53	D00	AC-2121A-LP-01	0.4	GCS-400-NSWG-001A	AC-2121A	18.5	3×25	3C	25	-	-	350	M32	M32	26.4	LAL3	First Stage Air Cooler 21A
54	D00	AC-2121A-C-01	0.4	GCS-400-NSWG-001A	AC-2121A	-	3×2.5	3C	2.5	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 21A
55	D00	AC-2121A-C-02	0.4	GCS-400-NSWG-001A	AC-2121A	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 21A
56	D00	AC-2121A-C-03	0.4	GCS-400-NSWG-001A	AC-2121A	-	10×2.5	10C	2.5	-	-	350	M25	M25	22.9	CAL10	LCS for Air Cooler 21A
57	D00	AC-2122A-LP-01	0.4	GCS-400-NSWG-001A	AC-2122A	18.5	3×25	3C	25	-	-	350	M32	M32	26.4	LAL3	First Stage Air Cooler 22A
58	D00	AC-2122A-C-01	0.4	GCS-400-NSWG-001A	AC-2122A		3×2.5	3C	2.5	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 22A
59	D00	AC-2122A-C-02	0.4	GCS-400-NSWG-001A	AC-2122A		12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 22A
60	D00	AC-2122A-C-03	0.4	GCS-400-NSWG-001A	AC-2122A		10×2.5	10C	2.5	-	-	350	M25	M25	22.9	CAL10	LCS for Air Cooler 22A
61	D00	AC-2121B-LP-01	0.4	GCS-400-NSWG-001B	AC-2121B	18.5	3×25	3C	25	-	-	350	M32	M32	26.4	LAL3	First Stage Air Cooler 21B
62	D00	AC-2121B-C-01	0.4	GCS-400-NSWG-001B	AC-2121B		3×2.5	3C	2.5	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 21B
63	D00	AC-2121B-C-02	0.4	GCS-400-NSWG-001B	AC-2121B		12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 21B
64	D00	AC-2121B-C-03	0.4	GCS-400-NSWG-001B	AC-2121B		10×2.5	10C	2.5	-	-	350	M25	M25	22.9	CAL10	LCS for Air Cooler 21B
65	D00	AC-2122B-LP-01	0.4	GCS-400-NSWG-001B	AC-2122B	18.5	3×25	3C	25	-	-	350	M32	M32	26.4	LAL3	First Stage Air Cooler 22B
66	D00	AC-2122B-C-01	0.4	GCS-400-NSWG-001B	AC-2122B		3×2.5	3C	2.5	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 22B
67	D00	AC-2122B-C-02	0.4	GCS-400-NSWG-001B	AC-2122B		12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 22B
68	D00	AC-2122B-C-03	0.4	GCS-400-NSWG-001B	AC-2122B		10×2.5	10C	2.5	-	-	350	M25	M25	22.9	CAL10	LCS for Air Cooler 22B
69	D00	AC-2121C-LP-01	0.4	GCS-400-NSWG-001A	AC-2121C	18.5	3×25	3C	25	-	-	390	M32	M32	26.4	LAL3	First Stage Air Cooler 21C
70	D00	AC-2121C-C-01	0.4	GCS-400-NSWG-001A	AC-2121C		3×2.5	3C	2.5	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 21C
71	D00	AC-2121C-C-02	0.4	GCS-400-NSWG-001A	AC-2121C		12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 21C
72	D00	AC-2121C-C-03	0.4	GCS-400-NSWG-001A	AC-2121C		10×2.5	10C	2.5	-	-	390	M25	M25	22.9	CAL10	LCS for Air Cooler 21C
73	D00	AC-2122C-LP-01	0.4	GCS-400-NSWG-001A	AC-2122C	18.5	3×25	3C	25	-	-	390	M32	M32	26.4	LAL3	First Stage Air Cooler 22C
74	D00	AC-2122C-C-01	0.4	GCS-400-NSWG-001A	AC-2122C		3×2.5	3C	2.5	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 22C
75	D00	AC-2122C-C-02	0.4	GCS-400-NSWG-001A	AC-2122C		12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 22C
76	D00	AC-2122C-C-03	0.4	GCS-400-NSWG-001A	AC-2122C		10×2.5	10C	2.5	-	-	390	M25	M25	22.9	CAL10	LCS for Air Cooler 22C
77	D00	AC-2131A-LP-01	0.4	GCS-400-NSWG-001A	AC-2131A	18.5	3×25	3C	25	-	-	390	M32	M32	26.4	LAL3	Second Stage Air Cooler 31A
78	D00	AC-2131A-C-01	0.4	GCS-400-NSWG-001A	AC-2131A		3×2.5	3C	2.5	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 31A
79	D00	AC-2131A-C-02	0.4	GCS-400-NSWG-001A	AC-2131A		12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 31A
80	D00	AC-2131A-C-03	0.4	GCS-400-NSWG-001A	AC-2131A		10×2.5	10C	2.5	-	-	390	M25	M25	22.9	CAL10	LCS for Air Cooler 31A
81	D00	AC-2132A-LP-01	0.4	GCS-400-NSWG-001A	AC-2132A	18.5	3×25	3C	25	-	-	390	M32	M32	26.4	LAL3	Second Stage Air Cooler 32A
82	D00	AC-2132A-C-01	0.4	GCS-400-NSWG-001A	AC-2132A		3×2.5	3C	2.5	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 32A

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
				From	To			Core	Phase	N	E		Source	Field			
83	D00	AC-2132A-C-02	0.4	GCS-400-NSWG-001A	AC-2132A		12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 32A
84	D00	AC-2132A-C-03	0.4	GCS-400-NSWG-001A	AC-2132A		10×2.5	10C	2.5	-	-	390	M25	M25	22.9	CAL10	LCS for Air Cooler 32A
85	D00	AC-2131B-LP-01	0.4	GCS-400-NSWG-001B	AC-2131B	18.5	3×35	3C	35	-	-	410	M32	M32	28.6	LAL3	Second Stage Air Cooler 31B
86	D00	AC-2131B-C-01	0.4	GCS-400-NSWG-001B	AC-2131B		3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 31B
87	D00	AC-2131B-C-02	0.4	GCS-400-NSWG-001B	AC-2131B		12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 31B
88	D00	AC-2131B-C-03	0.4	GCS-400-NSWG-001B	AC-2131B		10×2.5	10C	3	-	-	410	M25	M25	22.9	CAL10	LCS for Air Cooler 31B
89	D00	AC-2132B-LP-01	0.4	GCS-400-NSWG-001B	AC-2132B	18.5	3×35	3C	35	-	-	410	M32	M32	28.6	LAL3	Second Stage Air Cooler 32B
90	D00	AC-2132B-C-01	0.4	GCS-400-NSWG-001B	AC-2132B		3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 32B
91	D00	AC-2132B-C-02	0.4	GCS-400-NSWG-001B	AC-2132B		12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 32B
92	D00	AC-2132B-C-03	0.4	GCS-400-NSWG-001B	AC-2132B		10×2.5	10C	3	-	-	410	M25	M25	22.9	CAL10	LCS for Air Cooler 32B
93	D00	AC-2131C-LP-01	0.4	GCS-400-NSWG-001A	AC-2131C	18.5	3×35	3C	35	-	-	410	M32	M32	28.6	LAL3	Second Stage Air Cooler 31C
94	D00	AC-2131C-C-01	0.4	GCS-400-NSWG-001A	AC-2131C		3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 31C
95	D00	AC-2131C-C-02	0.4	GCS-400-NSWG-001A	AC-2131C		12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 31C
96	D00	AC-2131C-C-03	0.4	GCS-400-NSWG-001A	AC-2131C		10×2.5	10C	3	-	-	410	M25	M25	22.9	CAL10	LCS for Air Cooler 31C
97	D00	AC-2132C-LP-01	0.4	GCS-400-NSWG-001A	AC-2132C	18.5	3×35	3C	35	-	-	410	M32	M32	28.6	LAL3	Second Stage Air Cooler 32C
98	D00	AC-2132C-C-01	0.4	GCS-400-NSWG-001A	AC-2132C		3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Air Cooler 32C
99	D00	AC-2132C-C-02	0.4	GCS-400-NSWG-001A	AC-2132C		12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Air Cooler 32C
100	D00	AC-2132C-C-03	0.4	GCS-400-NSWG-001A	AC-2132C		10×2.5	10C	3	-	-	410	M25	M25	22.9	CAL10	LCS for Air Cooler 32C
101	D00	PK-C-2203A-LP-A	0.4	GCS-400-NSWG-001A	PK-C-2203A	40	3×240+120	4C	240	120	-	250	M90	M90	78.4	LAN4	Instrument & Plant Air Package A
102	D00	PK-C-2203B-LP-B	0.4	GCS-400-NSWG-001B	PK-C-2203B	40	3×240+120	4C	240	120	-	245	M90	M90	78.4	LAN4	Instrument & Plant Air Package B
103	D00	PK-Dr-2203-LP-01	0.4	GCS-400-NSWG-001B	PK-Dr-2203	2	4×10	4C	10	10.0	-	240	M25	M25	22.1	LAN4	Air Dryer Package
104	D00	PK-C-2204-LP-01	0.4	GCS-400-NSWG-001A	PK-C-2204	30	3×185+95	4C	185	95	-	255	M75	M75	70.7	LAN4	Air Compressor for N2 Package
105	D00	PK-2204-LP-01	0.4	GCS-400-NSWG-001A	PK-2204	2	4×10	4C	10	10	-	260	M25	M25	22.1	LAN4	Nitrogen Package
106	D00	PK-2201-LP-01	0.4	GCS-400-NSWG-001B	PK-2201	22.5	3×240+120	4C	240	120	-	520	M90	M90	78.4	LAN4	LP Flare Package
107	D00	IG-2201-LP-01	0.4	GCS-400-NSWG-001E	IG-2201	2	4×6	4C	6	6	-	210	M25	M25	24.5	LAN4	LP Flare Ignition Package
108	D00	IG-2201-LP-02	0.4	IG-2201	Flare Package	2	4×6	4C	6	6		300	M25	M25	24.5	MICC	LP Flare Package
109	D00	PK-2207-LP-01	0.4	GCS-400-NSWG-001A	PK-2207	2	4×10	4C	10	10	-	270	M25	M25	22.1	LAN4	Corrosion Inhibitor Package
110	D00	PK-2208-LP-01	0.4	GCS-400-NSWG-001B	PK-2208	2	4×10	4C	10	10	-	270	M25	M25	22.1	LAN4	Methanol Injection Package
111	D00	PK-2101-LP-01	0.4	GCS-400-NSWG-001B	PK-2101	20	3×95+50	4C	95	50	-	255	M63	M63	53.8	LAN4	Dehydration Package
112	D00	P-2203A-LP-A	0.4	GCS-400-NSWG-001A	P-2203A	2.2	3×4	3C	4	-	-	430	M20	M20	16.6	LAL3	Sump Pump A
113	D00	P-2203A-C-01	0.4	GCS-400-NSWG-001A	P-2203A	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Sump Pump A
114	D00	P-2203A-C-02	0.4	GCS-400-NSWG-001A	P-2203A	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Sump Pump A
115	D00	P-2203A-C-03	0.4	GCS-400-NSWG-001A	P-2203A	-	10×2.5	10C	3	-	-	430	M25	M25	22.9	CAL10	LCS for Sump Pump A
116	D00	P-2203B-LP-B	0.4	GCS-400-NSWG-001B	P-2203B	2.2	3×4	3C	4	-	-	430	M20	M20	16.6	LAL3	Sump Pump B
117	D00	P-2203B-C-01	0.4	GCS-400-NSWG-001B	P-2203B	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Sump Pump B
118	D00	P-2203B-C-02	0.4	GCS-400-NSWG-001B	P-2203B	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Sump Pump B
119	D00	P-2203B-C-03	0.4	GCS-400-NSWG-001B	P-2203B	-	10×2.5	10C	3	-	-	430	M25	M25	22.9	CAL10	LCS for Sump Pump B
120	D00	P-2202A-LP-A	0.4	GCS-400-NSWG-001A	P-2202A	1.1	3×4	3C	4	-	-	430	M20	M20	16.6	LAL3	Closed Drain Pump A
121	D00	P-2202A-C-01	0.4	GCS-400-NSWG-001A	P-2202A	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Closed Drain Pump A
122	D00	P-2202A-C-02	0.4	GCS-400-NSWG-001A	P-2202A	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Closed Drain Pump A
123	D00	P-2202A-C-03	0.4	GCS-400-NSWG-001A	P-2202A	-	10×2.5	10C	3	-	-	430	M25	M25	22.9	CAL10	LCS for Closed Drain Pump A

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
				From	To			Core	Phase	N	E		Source	Field			
124	D00	P-2202B-LP-B	0.4	GCS-400-NSWG-001B	P-2202B	1.1	3×4	3C	4	-	-	410	M20	M20	16.6	LAL3	Closed Drain Pump B
125	D00	P-2202B-C-01	0.4	GCS-400-NSWG-001B	P-2202B	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Closed Drain Pump B
126	D00	P-2202B-C-02	0.4	GCS-400-NSWG-001B	P-2202B	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Closed Drain Pump B
127	D00	P-2202B-C-03	0.4	GCS-400-NSWG-001B	P-2202B	-	10×2.5	10C	3	-	-	410	M25	M25	22.9	CAL10	LCS for Closed Drain Pump B
128	D00	P-2101A-LP-A	0.4	GCS-400-NSWG-001A	P-2101A	30	3×35	3C	35	-	-	225	M32	M32	28.6	LAL3	Slug Pump A
129	D00	P-2101A-C-01	0.4	GCS-400-NSWG-001A	P-2101A	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Slug Pump A
130	D00	P-2101A-C-02	0.4	GCS-400-NSWG-001A	P-2101A	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Slug Pump A
131	D00	P-2101A-C-03	0.4	GCS-400-NSWG-001A	P-2101A	-	10×2.5	10C	3	-	-	225	M25	M25	22.9	CAL10	LCS for Slug Pump A
132	D00	P-2101B-LP-B	0.4	GCS-400-NSWG-001B	P-2101B	30	3×35	3C	35	-	-	225	M32	M32	28.6	LAL3	Slug Pump B
133	D00	P-2101B-C-01	0.4	GCS-400-NSWG-001B	P-2101B	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Slug Pump B
134	D00	P-2101B-C-02	0.4	GCS-400-NSWG-001B	P-2101B	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Slug Pump B
135	D00	P-2101B-C-03	0.4	GCS-400-NSWG-001B	P-2101B	-	10×2.5	10C	3	-	-	225	M25	M25	22.9	CAL10	LCS for Slug Pump B
136	D00	P-2302A-LP-A	0.4	GCS-400-NSWG-001A	P-2302A	20	3×16	3C	16	-	-	175	M25	M25	22.2	LAN3	Fire Water Jockey Pump A
137	D00	P-2302B-LP-B	0.4	GCS-400-NSWG-001B	P-2302B	20	3×16	3C	16	-	-	175	M25	M25	22.2	LAN3	Fire Water Jockey Pump B
138	D00	P-2209-LP-01	0.4	GCS-400-NSWG-001A	P-2209	2.2	3×4	3C	4	-	-	100	M20	M20	16.6	LAN3	Potable Water Pump
139	D00	P-2209-C-01	0.4	GCS-400-NSWG-001A	P-2209	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAN3	IRP--ESD for Potable Water Pump
140	D00	P-2209-C-02	0.4	GCS-400-NSWG-001A	P-2209	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAN12	IRP--DCS for Potable Water Pump
141	D00	P-2209-C-03	0.4	GCS-400-NSWG-001A	P-2209	-	10×2.5	10C	3	-	-	410	M25	M25	22.9	CAN10	LCS for Potable Water Pump
142	D00	P-2206-LP-01	0.4	GCS-400-NSWG-001A	P-2206	2.2	3×4	3C	4	-	-	145	M20	M20	16.6	LAN3	Diesel Oil Pump
143	D00	P-2206-C-01	0.4	GCS-400-NSWG-001A	P-2206	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAN3	IRP--ESD for Diesel Oil Pump
144	D00	P-2206-C-02	0.4	GCS-400-NSWG-001A	P-2206	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAN12	IRP--DCS for Diesel Oil Pump
145	D00	P-2206-C-03	0.4	GCS-400-NSWG-001A	P-2206	-	10×2.5	10C	3	-	-	410	M25	M25	22.9	CAN10	LCS for Diesel Oil Pump
146	D00	P-2201A-LP-A	0.4	GCS-400-NSWG-001E	P-2201A	1.1	3×4	3C	4	-	-	430	M20	M20	16.6	LAN3	LP Flare K.O. Drum Pump A
147	D00	P-2201A-C-01	0.4	GCS-400-NSWG-001E	P-2201A	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAN3	IRP--ESD for LP Flare K.O. Drum Pump A
148	D00	P-2201A-C-02	0.4	GCS-400-NSWG-001E	P-2201A	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAN12	IRP--DCS for LP Flare K.O. Drum Pump A
149	D00	P-2201A-C-03	0.4	GCS-400-NSWG-001E	P-2201A	-	10×2.5	10C	3	-	-	410	M25	M25	22.9	CAN10	LCS for LP Flare K.O. Drum Pump A
150	D00	P-2201B-LP-B	0.4	GCS-400-NSWG-001E	P-2201B	1.1	3×4	3C	4	-	-	430	M20	M20	16.6	LAN3	LP Flare K.O. Drum Pump B
151	D00	P-2201B-C-01	0.4	GCS-400-NSWG-001E	P-2201B	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAN3	IRP--ESD for LP Flare K.O. Drum Pump B
152	D00	P-2201B-C-02	0.4	GCS-400-NSWG-001E	P-2201B	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAN12	IRP--DCS for LP Flare K.O. Drum Pump B
153	D00	P-2201B-C-03	0.4	GCS-400-NSWG-001E	P-2201B	-	10×2.5	10C	3	-	-	410	M25	M25	22.9	CAN10	LCS for LP Flare K.O. Drum Pump B
154	D00	P-2103A-LP-A	0.4	GCS-400-NSWG-001A	P-2103A	1.5	3×4	3C	4	-	-	360	M20	M20	16.6	LAL3	Glycol Transfer Pump A
155	D00	P-2103A-C-01	0.4	GCS-400-NSWG-001A	P-2103A	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Glycol Transfer Pump A
156	D00	P-2103A-C-02	0.4	GCS-400-NSWG-001A	P-2103A	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Glycol Transfer Pump A
157	D00	P-2103A-C-03	0.4	GCS-400-NSWG-001A	P-2103A	-	10×2.5	10C	3	-	-	410	M25	M25	22.9	CAL10	LCS for Glycol Transfer Pump A
158	D00	P-2103B-LP-B	0.4	GCS-400-NSWG-001B	P-2103B	1.5	3×4	3C	4	-	-	360	M20	M20	16.6	LAL3	Glycol Transfer Pump B
159	D00	P-2103B-C-01	0.4	GCS-400-NSWG-001B	P-2103B	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Glycol Transfer Pump B
160	D00	P-2103B-C-02	0.4	GCS-400-NSWG-001B	P-2103B	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Glycol Transfer Pump B
161	D00	P-2103B-C-03	0.4	GCS-400-NSWG-001B	P-2103B	-	10×2.5	10C	3	-	-	360	M25	M25	22.9	CAL10	LCS for Glycol Transfer Pump B
162	D00	P-2102-LP-01	0.4	GCS-400-NSWG-001B	P-2102	1.1	3×4	3C	4	-	-	360	M20	M20	16.6	LAL3	Glycol Manual Pump
163	D00	P-2104-LP-01	0.4	GCS-400-NSWG-001B	P-2104	1.1	3×4	3C	4	-	-	430	M20	M20	16.6	LAL3	Glycol Drain Pump
164	D00	P-2104-C-01	0.4	GCS-400-NSWG-001B	P-2104	-	3×2.5	3C	3	-	-	50	M20	M20	15.3	CAL3	IRP--ESD for Glycol Drain Pump

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
				From	To			Core	Phase	N	E		Source	Field			
165	D00	P-2104-C-02	0.4	GCS-400-NSWG-001B	P-2104	-	12×2.5	12C	3	-	-	50	M25	M25	23.5	CAL12	IRP--DCS for Glycol Drain Pump
166	D00	P-2104-C-03	0.4	GCS-400-NSWG-001B	P-2104	-	10×2.5	10C	3	-	-	430	M25	M25	22.9	CAL10	LCS for Glycol Drain Pump
167	D00	CR-01-LP-01	0.4	GCS-400-NSWG-001A	GCS-400-CR-01	10	3×70+35	4C	70	35	-	335	M50	M50	47.9	LAL4	Main Compressor Crane
168	D00	CR-02-LP-01	0.4	GCS-400-NSWG-001B	GCS-400-CR-02	5	4×16	4C	16	16	-	175	M25	M25	24.5	LAN4	Fire Water Pumps Crane
169	D00	NDB-01-LP-01	0.4	GCS-400-NSWG-001A	GCS-400-NDB-01	20	3×150+70	4C	150	70	-	330	M63	M63	64.8	LAL4	Process Area Normal Lighting Panel
170	D00	EDB-01-LP-01	0.4	GCS-400-NSWG-001E	GCS-400-EDB-01	10	3×70+35	4C	70	35	-	330	M50	M50	47.9	LAL4	Process Area Emergency Lighting Panel
171	D00	NDB-02-LP-01	0.4	GCS-400-NSWG-001B	GCS-400-NDB-02	10	4×35	4C	35	35	-	180	M32	M32	32.1	LAN4	Utility Area Normal Lighting Panel
172	D00	EDB-02-LP-01	0.4	GCS-400-NSWG-001E	GCS-400-EDB-02	5	4×16	4C	16	16	-	180	M25	M25	24.5	LAN4	Utility Area Emergency Lighting Panel
173	D00	WS-01-LP-01	0.4	GCS-400-NSWG-001A	GCS-400-WS-01	37	3×2×120+70	4C	120	70	-	350	M63	M63	59.3	LAL4	Welding Receptacle (3 Phase) (Process Area)
174	D00	WS-02-LP-01	0.4	GCS-400-NSWG-001B	GCS-400-WS-02	37	3×150+70	4C	150	70	-	200	M63	M63	64.8	LAN4	Welding Receptacle (3 Phase) (Utility Area)
175	D00	CP01-LP-01	0.4	GCS-400-NSWG-001A	GCS-400-CP01	5	4×16	4C	16	16	-	150	M25	M25	24.5	LAN4	Cathodic Protection Transformer Rectifier1
176	D00	CP02-LP-01	0.4	GCS-400-NSWG-001B	GCS-400-CP02	10	4×25	4C	25	25	-	150	M32	M32	28.4	LAN4	Cathodic Protection Transformer Rectifier2
177	D00	HVAC-LP-01	0.4	GCS-400-NSWG-001E	CTRL- HVAC	150	3×2×150+70	4C	150	120	-	50	M63	M63	64.8	LAN4	HVAC Panel for Control Room
178	D00	CHG-001-LP-A1	0.4	GCS-400-NSWG-001A	GCS-110-CHG-001	20	4×16	4C	16	16	-	50	M25	M25	24.5	LAN4	110VDC Charger 1
179	D00	FB1-LP-A1	0.11DC	GCS-110-CHG-001	Fuse Box 1	-	2×16	2C	16	-	-	20	M25	M25	21.2	LAN2	DC Charger Fuse Box 1
180	D00	BAT1-LP-A1	0.11DC	Fuse Box 1	Battery Bank 1	-	2×16	2C	16	-	-	20	M25	M25	21.2	LAN2	DC Charger Battery Bank 1
181	D00	CHG-002-LP-A2	0.4	GCS-400-NSWG-001E	GCS-110-CHG-002	20	4×16	4C	16	16	-	50	M25	M25	24.5	LAN4	110VDC Charger 2
182	D00	FB2-LP-A2	0.11DC	GCS-110-CHG-002	Fuse Box 2	-	2×16	2C	16	-	-	10	M25	M25	21.2	LAN2	DC Charger Fuse Box 2
183	D00	BAT2-LP-A2	0.11DC	Fuse Box 2	Battery Bank 2	-	2×16	2C	16	-	-	10	M25	M25	21.2	LAN2	DC Charger Battery Bank 2
184	D00	CHG-002-LP-A3	0.4	GCS-400-NSWG-001A	GCS-24-CHG-001	13	4×6	4C	6	6	-	50	M25	M25	19.7	LAN4	24VDC Charger 1
185	D00	FB1-LP-A3	0.24DC	GCS-110-CHG-001	Fuse Box 1	-	2×10	2C	10	-	-	10	M25	M25	19.8	LAN2	DC Charger Fuse Box 1
186	D00	BAT2-LP-A3	0.24DC	Fuse Box 1	Battery Bank 1	-	2×10	2C	10	-	-	10	M25	M25	19.8	LAN2	DC Charger Battery Bank 1
187	D00	CHG-002-LP-A4	0.4	GCS-400-NSWG-001E	GCS-24-CHG-002	13	4×6	4C	6	6	-	50	M25	M25	19.7	LAN4	24VDC Charger 2
188	D00	FB2-LP-A4	0.24DC	GCS-24-CHG-002	Fuse Box 2	-	2×10	2C	10	-	-	10	M25	M25	19.8	LAN2	DC Charger Fuse Box 2
189	D00	BAT2-LP-A4	0.24DC	Fuse Box 2	Battery Bank 2	-	2×10	2C	10	-	-	10	M25	M25	19.8	LAN2	DC Charger Battery Bank 2
190	D00	UPS-001-LP-A5	0.4	GCS-400-NSWG-001A	GCS-110-UPS-001	49	3×70+35	4C	70	35	-	50	M50	M50	47.9	LAN4	110VAC UPS 1
191	D00	FB1-LP-A5	0.11AC	GCS-110-UPS-001	Fuse Box 1	-	2×50	2C	50	-	-	20	M32	M32	30.2	LAN2	UPS Fuse Box 1
192	D00	BAT2-LP-A5	0.11AC	Fuse Box 1	Battery Bank 1	-	2×50	2C	50	-	-	20	M32	M32	30.2	LAN2	UPS Battery Bank 1
193	D00	UPS-002-LP-A6	0.4	GCS-400-NSWG-001E	GCS-110-UPS-002	49	3×70+35	4C	70	35	-	50	M50	M50	47.9	LAN4	110VAC UPS 2
194	D00	FB2-LP-A6	0.11AC	GCS-110-UPS-002	Fuse Box 2	-	2×50	2C	50	-	-	20	M32	M32	30.2	LAN2	UPS Fuse Box 2
195	D00	BAT2-LP-A6	0.11AC	Fuse Box 2	Battery Bank 2	-	2×50	2C	50	-	-	20	M32	M32	30.2	LAN2	UPS Battery Bank 2
196	D00	UPS-Bypass-LP-01	0.4	GCS-400-NSWG-001E	GCS-110-UPS-Bypass	20	4×10	4C	10	10	-	50	M25	M25	22.1	LAN4	110VAC UPS By Pass
197	D00	Non UPS-LP-01	0.4	GCS-400-NSWG-001E	GCS-400-Non UPS	8	4×6	4C	6	6	-	50	M25	M25	19.7	LAN4	Non-UPS Load for Instrument
198	D00	NDB-CAP--LP-01	0.4	GCS-400-NSWG-001B	GCS-400-NDB-CAP	5	4×4	4C	4	4	-	20	M20	M20	17.7	LAN4	Capacitor Room Normal Lighting Panel
199	D00	MOV 1-LP-01	0.4	GCS-400-NSWG-001A		2	4×6	4C	6	6	-	175	M25	M25	19.7	LAN4	MOV 1
200	D00	FDP 01-LP-01	0.4	GCS-400-NSWG-001E	GCS-230-FDP 01	2	4×6	4C	6	6	-	175	M25	M25	19.7	LAN4	Fire Diesel Panel 01
201	D00	FDP 02-LP-02	0.4	GCS-400-NSWG-001E	GCS-230-FDP 02	2	4×6	4C	6	6	-	175	M25	M25	19.7	LAN4	Fire Diesel Panel 02
202	D00	SPH-01-LP-01	0.4	GCS-400-NSWG-001E	SPH-01	2	4×4	4C	4	4	-	30	M20	M20	17.7	LAN4	Space Heater & Lighting for New LV Switchgear
203	D00	SPH-02-LP-01	0.4	GCS-400-NSWG-001E	SPH-02	2	4×4	4C	4	4	-	30	M20	M20	17.7	LAN4	Space Heater & Lighting for MV Switchgear
204	D00	NDP-CRM-LP-01	0.4	GCS-400-NSWG-001B	GCS-400-NDP-CRM	30	4×25	4C	25	25	-	50	M32	M32	28.4	LAN4	Control Room Normal Lighting Panel
205	D00	EDP-CRM-LP-01	0.4	GCS-400-NSWG-001E	GCS-400-EDP-CRM	15	4×16	4C	16	16	-	50	M25	M25	24.5	LAN4	Control Room Emergency Lighting Panel

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
				From	To			Core	Phase	N	E		Source	Field			
206	D00	EDB-CAP-LP-01	0.4	GCS-400-NSWG-001E	GCS-400-EDB-CAP	5	4×4	4C	4	4	-	20	M20	M20	17.7	LAN4	Capacitor Room Emergency Lighting Panel
207	D00	LV-HVAC01-LP-01	0.4	GCS-400-NSWG-001A	LV-HVAC01	7	4×6	4C	6	6	-	50	M25	M25	19.7	LAN4	Split Feeder (HVAC Feeder-01 for LV Room)
208	D00	LV-HVAC02-LP-02	0.4	GCS-400-NSWG-001B	LV-HVAC02	7	4×6	4C	6	6	-	50	M25	M25	19.7	LAN4	Split Feeder (HVAC Feeder-02 for LV Room)
209	D00	MV-HVAC01-LP-01	0.4	GCS-400-NSWG-001A	MV-HVAC01	7	4×4	4C	4	4	-	10	M20	M20	17.7	LAN4	Split Feeder (HVAC Feeder-01 for MV Room)
210	D00	MV-HVAC02-LP-01	0.4	GCS-400-NSWG-001B	MV-HVAC02	7	4×4	4C	4	4	-	10	M20	M20	17.7	LAN4	Split Feeder (HVAC Feeder-02 for MV Room)
211	D00	HVAC01-LP-01	0.4	GCS-400-NSWG-001A	CAP-HVAC01	5	4×4	4C	4	4	-	20	M20	M20	17.7	LAN4	Split Feeder (HVAC Feeder-01 for Capacitor Room)
212	D00	HVAC02-LP-02	0.4	GCS-400-NSWG-001B	CAP-HVAC02	5	4×4	4C	4	4	-	20	M20	M20	17.7	LAN4	Split Feeder (HVAC Feeder-02 for Capacitor Room)
213	D00	CAP-01-LP-01A	0.4	GCS-400-NSWG-001A	CAP-01	100	3×120	3C	120			20	M50	M50	45.8	LN3	Capacitor Bank 1
214	D00	CAP-01-LP-01B	0.4	GCS-400-NSWG-001A	CAP-01	100	3×120	3C	120			20	M50	M50	45.8	LN3	Capacitor Bank 1
215	D00	CAP-02-LP-02A	0.4	GCS-400-NSWG-001B	CAP-02	100	3×120	3C	120			20	M50	M50	45.8	LN3	Capacitor Bank 2
216	D00	CAP-02-LP-02B	0.4	GCS-400-NSWG-001B	CAP-02	100	3×120	3C	120			20	M50	M50	45.8	LN3	Capacitor Bank 2