

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض عمومی و مشترک							 
	ELECTRICAL POWER & CONTROL CABLE LIST OF WELL PADS							
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	SSGRL	PEDCO	110	EL	LI	0002	D00
شماره صفحه: ۱ از ۹								

طرح نگهداشت و افزایش تولید ۲۷ مخزن

ELECTRICAL POWER & CONTROL CABLE LIST OF WELL PADS

نگهداشت و افزایش تولید میدان نفتی بینک

D00	May.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-707419

- 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
فعالیت های رو زمینی در بسته های کاری تحت الارض

عمومی و مشترک

ELECTRICAL POWER & CONTROL CABLE LIST OF WELL PADS



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه
D00	0002	LI	EL	000	PEDCO	SSGRL	BK

شماره صفحه: ۲ از ۹

REVISION RECORD SHEET

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NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
فعالیت های رو زمینی در بسته های کاری تحت الارض
عمومی و مشترک



ELECTRICAL POWER & CONTROL CABLE LIST OF WELL PADS

شماره پیمان:

۰۵۳-۰۷۳-۹۱۸۴

پروژه

بسته کاری

صادر کننده

تسهیلات

رشته

نوع مدرک

سریال

نسخه

BK

SSGRL

PEDCO

110

EL

LI

0002

D00

شماره صفحه: ۳ از ۹

1. ELECTRICAL CABLE NUMBERING SYSTEM

XXX-XXXXX- 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

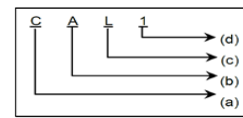
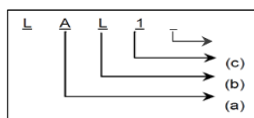
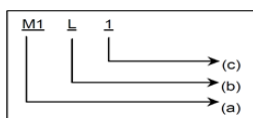
CS: CABLE FOR LOCAL CONTROL STATION

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 (mm2)	Cable Size (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Route
				From	To			Core	Phase	N	E		Source	Field				
1	D00	TR-001-MP-01	11	Gantry from OHL	WELL05-TR-001	200	3×50	3C	50	-	-	50	-	-	33.3	M1N3	to Primary Side of Transformer	01S
2	D00	NSWG-001A-LP-A1	0.4	WELL05-TR-001	WELL05-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
3	D00	NSWG-001A-LP-B1	0.4	WELL05-TR-001	WELL05-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
4	D00	NSWG-001A-LP-C1	0.4	WELL05-TR-001	WELL05-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
5	D00	NSWG-001A-LP-N1	0.4	WELL05-TR-001	WELL05-400-NSWG-001A	200	1×95	1C	-	95	-	10	-	M25	23.3	LAN3	from Neutral of Transformer to Switchgear	02S\03S
6	D00	NSWG-001A-C-01	0.11 VDC	WELL05-TR-001	WELL05-400-NSWG-001A	-	12×2.5	12C	2.5	-	-	10	M25	M25	23.5	CAN12	Transformer Mechanical Alarm & Trip to SWG	02S\03S
7	D00	DG-LP-01-A1	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
8	D00	DG-LP-01-B1	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
9	D00	DG-LP-01-C1	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
10	D00	DG-LP-01-A2	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
11	D00	DG-LP-01-B2	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
12	D00	DG-LP-01-C2	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
13	D00	DG-LP-01-A3	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
14	D00	DG-LP-01-B3	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
15	D00	DG-LP-01-C3	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
16	D00	DG-LP-01-N1	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185		-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
17	D00	DG-LP-01-N2	0.4	WELL05-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
18	D00	DG-C-01	0.11 VDC	WELL05-400-NSWG-001A	Generator Control Panel	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	to Generator Control Panel	04S\10S\01\03\04
19	D00	CB-LP-01	0.4	WELL05-400-NSWG-001A	Capacitor Bank	50kvar	3×50	4C	50.0	25.0	-	10	M40	M40	36.3	LAN4	Capacitor Bank	05S\06S
20	D00	IRP-LP-01	0.4	WELL05-400-NSWG-001A	VFD	90	3×185	3C	185	-	-	15	M63	M63	56.9	LAN3	Electrical Submersible Pump & Equipment	05S\06S\07S
21	D00	IRP-LP-02	0.4	VFD	IRP Pump	90	3×185	3C	185	-	-	100	M63	M63	56.9	LAL3V	Electrical Submersible Pump & Equipment	07S\06S\05S\04S\10S\01\03\05\07\11\12
22	D00	110-CHG-001-LP-01	0.4	WELL05-400-NSWG-001A	WELL05-110-CHG-001	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 1	05S\11S
23	D00	FB 1-LP-01	0.11 VDC	WELL052-110-CHG-001	Fuse Box 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box 1	05S\11S
24	D00	BAT 1-LP-01	0.11 VDC	Fuse Box 1	Battery Bank 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank 1	05S\11S
25	D00	110-CHG-002-LP-01	0.4	WELL05-400-NSWG-001A	WELL05-110-CHG-002	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 2	05S\11S
26	D00	FB 1-LP-02	0.11 VDC	WELL05-110-CHG-002	Fuse Box 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box-2	05S\11S
27	D00	BAT 1-LP-02	0.11 VDC	Fuse Box 2	Battery Bank 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank-2	05S\11S
28	D00	DP01-LP-01	0.4	WELL05-400-NSWG-001A	WELL05-DP01	14.1	4×10	4C	10	10.0	-	10	M25	M25	22.1	LAN4	Distribution Panel for Switchgear Building	04S
29	D00	DP02-LP-01	0.4	WELL05-400-NSWG-001A	WELL05-DP02	6.8	4×6	4C	6	6.0	-	50	M25	M25	19.7	LAN4	Distribution Panel for Security Building	04S\10S\01\02
30	D00	DP03-LP-01	0.4	WELL05-400-NSWG-001A	WELL05-DP03	6.4	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Distribution Panel for Outdoor Area	04S
31	D00	JB-LT-01-LP-01	0.4	WELL05-DP03	JB-LT-01	3.2	4×10	4C	10	10.0	-	65	M25	M25	22.1	LAN4	Lighting Tower 1	04S\01\03\05\06
32	D00	JB-LP-02-LP-02	0.4	JB-LP-01	JB-LP-02	3.2	4×10	4C	10	10.0	-	75	M25	M25	22.1	LAN4	Lighting Tower 2	06\07\11\13
33	D00	JB-LP-03-LP-03	0.4	WELL05-DP03	JB-LP-03	3.2	4×16	4C	16	16.0	-	130	M25	M25	24.5	LAN4	Lighting Tower 3	04S\10S\01\03\05\07\08
34	D00	JB-LP-04-LP-04	0.4	JB-LP-03	JB-LP-04	3.2	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Lighting Tower 4	09\10
35	D00	WS01-LP-01	0.4	WELL05-400-NSWG-001A	WELL05-WS01	37	3×70	4C	35	35.0	-	95	M50	M50	41.6	LAN4	Welding Socket 1	04S\10S\01\03\05\07\11\13\14
36	D00	WS01-LP-02	0.4	WELL05-WS01	WELL05-WS02	37	3×70	4C	35	35.0	-	115	M50	M50	41.6	LAN4	Welding Socket 2	13\11\08\09

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size (mm2)	Cable Size (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Route
				From	To			Core	Phase	N	E		Source	Field				
1	D00	TR-001-MP-01	11	Gantry from OHL	WELL12-TR-001	200	3×50	3C	50	-	-	50	-	-	33.3	M1N3	to Primary Side of Transformer	01S
2	D00	NSWG-001A-LP-A1	0.4	WELL12-TR-001	WELL12-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
3	D00	NSWG-001A-LP-B1	0.4	WELL12-TR-001	WELL12-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
4	D00	NSWG-001A-LP-C1	0.4	WELL12-TR-001	WELL12-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
5	D00	NSWG-001A-LP-N1	0.4	WELL12-TR-001	WELL12-400-NSWG-001A	200	1×95	1C	-	95	-	10	-	M25	23.3	LAN3	from Neutral of Transformer to Switchgear	02S\03S
6	D00	NSWG-001A-C-01	0.11 VDC	WELL12-TR-001	WELL12-400-NSWG-001A	-	12×2.5	12C	2.5	-	-	10	M25	M25	23.5	CAN12	Transformer Mechanical Alarm & Trip to SWG	02S\03S
7	D00	DG-LP-01-A1	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
8	D00	DG-LP-01-B1	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
9	D00	DG-LP-01-C1	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
10	D00	DG-LP-01-A2	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
11	D00	DG-LP-01-B2	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
12	D00	DG-LP-01-C2	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
13	D00	DG-LP-01-A3	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
14	D00	DG-LP-01-B3	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
15	D00	DG-LP-01-C3	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
16	D00	DG-LP-01-N1	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185		-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
17	D00	DG-LP-01-N2	0.4	WELL12-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
18	D00	DG-C-01	0.11 VDC	WELL12-400-NSWG-001A	Generator Control Panel	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	to Generator Control Panel	04S\10S\01\03\04
19	D00	CB-LP-01	0.4	WELL12-400-NSWG-001A	Capacitor Bank	50kvar	3×50	4C	50.0	25.0	-	10	M40	M40	36.3	LAN4	Capacitor Bank	05S\06S
20	D00	IRP-LP-01	0.4	WELL12-400-NSWG-001A	VFD	90	3×185	3C	185	-	-	15	M63	M63	56.9	LAN3	Electrical Submersible Pump & Equipment	05S\06S\07S
21	D00	IRP-LP-02	0.4	VFD	IRP Pump	90	3×185	3C	185	-	-	100	M63	M63	56.9	LAL3V	Electrical Submersible Pump & Equipment	07S\06S\05S\04S\10S\01\03\05\07\11\12
22	D00	110-CHG-001-LP-01	0.4	WELL12-400-NSWG-001A	WELL12-110-CHG-001	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 1	05S\11S
23	D00	FB 1-LP-01	0.11 VDC	WELL122-110-CHG-001	Fuse Box 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box 1	05S\11S
24	D00	BAT 1-LP-01	0.11 VDC	Fuse Box 1	Battery Bank 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank 1	05S\11S
25	D00	110-CHG-002-LP-01	0.4	WELL12-400-NSWG-001A	WELL12-110-CHG-002	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 2	05S\11S
26	D00	FB 1-LP-02	0.11 VDC	WELL12-110-CHG-002	Fuse Box 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box-2	05S\11S
27	D00	BAT 1-LP-02	0.11 VDC	Fuse Box 2	Battery Bank 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank-2	05S\11S
28	D00	DP01-LP-01	0.4	WELL12-400-NSWG-001A	WELL12-DP01	14.1	4×10	4C	10	10.0	-	10	M25	M25	22.1	LAN4	Distribution Panel for Switchgear Building	04S
29	D00	DP02-LP-01	0.4	WELL12-400-NSWG-001A	WELL12-DP02	6.8	4×6	4C	6	6.0	-	50	M25	M25	19.7	LAN4	Distribution Panel for Security Building	04S\10S\01\02
30	D00	DP03-LP-01	0.4	WELL12-400-NSWG-001A	WELL12-DP03	6.4	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Distribution Panel for Outdoor Area	04S
31	D00	JB-LT-01-LP-01	0.4	WELL12-DP03	JB-LT-01	3.2	4×10	4C	10	10.0	-	65	M25	M25	22.1	LAN4	Lighting Tower 1	04S\01\03\05\06
32	D00	JB-LP-02-LP-02	0.4	JB-LP-01	JB-LP-02	3.2	4×10	4C	10	10.0	-	75	M25	M25	22.1	LAN4	Lighting Tower 2	06\07\11\13
33	D00	JB-LP-03-LP-03	0.4	WELL12-DP03	JB-LP-03	3.2	4×16	4C	16	16.0	-	130	M25	M25	24.5	LAN4	Lighting Tower 3	04S\10S\01\03\05\07\08
34	D00	JB-LP-04-LP-04	0.4	JB-LP-03	JB-LP-04	3.2	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Lighting Tower 4	09\10
35	D00	WS01-LP-01	0.4	WELL12-400-NSWG-001A	WELL12-WS01	37	3×70	4C	35	35.0	-	95	M50	M50	41.6	LAN4	Welding Socket 1	04S\10S\01\03\05\07\11\13\14
36	D00	WS01-LP-02	0.4	WELL12-WS01	WELL12-WS02	37	3×70	4C	35	35.0	-	115	M50	M50	41.6	LAN4	Welding Socket 2	13\11\08\09

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size (mm2)	Cable Size (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Route
				From	To			Core	Phase	N	E		Source	Field				
1	D00	TR-001-MP-01	11	Gantry from OHL	WELL14-TR-001	200	3×50	3C	50	-	-	50	-	-	33.3	M1N3	to Primary Side of Transformer	01S
2	D00	NSWG-001A-LP-A1	0.4	WELL14-TR-001	WELL14-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
3	D00	NSWG-001A-LP-B1	0.4	WELL14-TR-001	WELL14-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
4	D00	NSWG-001A-LP-C1	0.4	WELL14-TR-001	WELL14-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
5	D00	NSWG-001A-LP-N1	0.4	WELL14-TR-001	WELL14-400-NSWG-001A	200	1×95	1C	-	95	-	10	-	M25	23.3	LAN3	from Neutral of Transformer to Switchgear	02S\03S
6	D00	NSWG-001A-C-01	0.11 VDC	WELL14-TR-001	WELL14-400-NSWG-001A	-	12×2.5	12C	2.5	-	-	10	M25	M25	23.5	CAN12	Transformer Mechanical Alarm & Trip to SWG	02S\03S
7	D00	DG-LP-01-A1	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
8	D00	DG-LP-01-B1	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
9	D00	DG-LP-01-C1	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
10	D00	DG-LP-01-A2	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
11	D00	DG-LP-01-B2	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
12	D00	DG-LP-01-C2	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
13	D00	DG-LP-01-A3	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
14	D00	DG-LP-01-B3	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
15	D00	DG-LP-01-C3	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
16	D00	DG-LP-01-N1	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185		-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
17	D00	DG-LP-01-N2	0.4	WELL14-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
18	D00	DG-C-01	0.11 VDC	WELL14-400-NSWG-001A	Generator Control Panel	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	to Generator Control Panel	04S\10S\01\03\04
19	D00	CB-LP-01	0.4	WELL14-400-NSWG-001A	Capacitor Bank	50kvar	3×50	4C	50.0	25.0	-	10	M40	M40	36.3	LAN4	Capacitor Bank	05S\06S
20	D00	IRP-LP-01	0.4	WELL14-400-NSWG-001A	VFD	90	3×185	3C	185	-	-	15	M63	M63	56.9	LAN3	Electrical Submersible Pump & Equipment	05S\06S\07S
21	D00	IRP-LP-02	0.4	VFD	IRP Pump	90	3×185	3C	185	-	-	100	M63	M63	56.9	LAL3V	Electrical Submersible Pump & Equipment	07S\06S\05S\04S\10S\01\03\05\07\11\12
22	D00	110-CHG-001-LP-01	0.4	WELL14-400-NSWG-001A	WELL14-110-CHG-001	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 1	05S\11S
23	D00	FB 1-LP-01	0.11 VDC	WELL142-110-CHG-001	Fuse Box 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box 1	05S\11S
24	D00	BAT 1-LP-01	0.11 VDC	Fuse Box 1	Battery Bank 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank 1	05S\11S
25	D00	110-CHG-002-LP-01	0.4	WELL14-400-NSWG-001A	WELL14-110-CHG-002	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 2	05S\11S
26	D00	FB 1-LP-02	0.11 VDC	WELL14-110-CHG-002	Fuse Box 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box-2	05S\11S
27	D00	BAT 1-LP-02	0.11 VDC	Fuse Box 2	Battery Bank 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank-2	05S\11S
28	D00	DP01-LP-01	0.4	WELL14-400-NSWG-001A	WELL14-DP01	14.1	4×10	4C	10	10.0	-	10	M25	M25	22.1	LAN4	Distribution Panel for Switchgear Building	04S
29	D00	DP02-LP-01	0.4	WELL14-400-NSWG-001A	WELL14-DP02	6.8	4×6	4C	6	6.0	-	50	M25	M25	19.7	LAN4	Distribution Panel for Security Building	04S\10S\01\02
30	D00	DP03-LP-01	0.4	WELL14-400-NSWG-001A	WELL14-DP03	6.4	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Distribution Panel for Outdoor Area	04S
31	D00	JB-LT-01-LP-01	0.4	WELL14-DP03	JB-LT-01	3.2	4×10	4C	10	10.0	-	65	M25	M25	22.1	LAN4	Lighting Tower 1	04S\01\03\05\06
32	D00	JB-LP-02-LP-02	0.4	JB-LP-01	JB-LP-02	3.2	4×10	4C	10	10.0	-	75	M25	M25	22.1	LAN4	Lighting Tower 2	06\07\11\13
33	D00	JB-LP-03-LP-03	0.4	WELL14-DP03	JB-LP-03	3.2	4×16	4C	16	16.0	-	130	M25	M25	24.5	LAN4	Lighting Tower 3	04S\10S\01\03\05\07\08
34	D00	JB-LP-04-LP-04	0.4	JB-LP-03	JB-LP-04	3.2	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Lighting Tower 4	09\10
35	D00	WS01-LP-01	0.4	WELL14-400-NSWG-001A	WELL14-WS01	37	3×70	4C	35	35.0	-	95	M50	M50	41.6	LAN4	Welding Socket 1	04S\10S\01\03\05\07\11\13\14
36	D00	WS01-LP-02	0.4	WELL14-WS01	WELL14-WS02	37	3×70	4C	35	35.0	-	115	M50	M50	41.6	LAN4	Welding Socket 2	13\11\08\09

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size (mm2)	Cable Size (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Route
				From	To			Core	Phase	N	E		Source	Field				
1	D00	TR-001-MP-01	11	Gantry from OHL	WELL15-TR-001	200	3×50	3C	50	-	-	50	-	-	33.3	M1N3	to Primary Side of Transformer	01S
2	D00	NSWG-001A-LP-A1	0.4	WELL15-TR-001	WELL15-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
3	D00	NSWG-001A-LP-B1	0.4	WELL15-TR-001	WELL15-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
4	D00	NSWG-001A-LP-C1	0.4	WELL15-TR-001	WELL15-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
5	D00	NSWG-001A-LP-N1	0.4	WELL15-TR-001	WELL15-400-NSWG-001A	200	1×95	1C	-	95	-	10	-	M25	23.3	LAN3	from Neutral of Transformer to Switchgear	02S\03S
6	D00	NSWG-001A-C-01	0.11 VDC	WELL15-TR-001	WELL15-400-NSWG-001A	-	12×2.5	12C	2.5	-	-	10	M25	M25	23.5	CAN12	Transformer Mechanical Alarm & Trip to SWG	02S\03S
7	D00	DG-LP-01-A1	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
8	D00	DG-LP-01-B1	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
9	D00	DG-LP-01-C1	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
10	D00	DG-LP-01-A2	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
11	D00	DG-LP-01-B2	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
12	D00	DG-LP-01-C2	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
13	D00	DG-LP-01-A3	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
14	D00	DG-LP-01-B3	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
15	D00	DG-LP-01-C3	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
16	D00	DG-LP-01-N1	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185		-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
17	D00	DG-LP-01-N2	0.4	WELL15-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
18	D00	DG-C-01	0.11 VDC	WELL15-400-NSWG-001A	Generator Control Panel	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	to Generator Control Panel	04S\10S\01\03\04
19	D00	CB-LP-01	0.4	WELL15-400-NSWG-001A	Capacitor Bank	50kvar	3×50	4C	50.0	25.0	-	10	M40	M40	36.3	LAN4	Capacitor Bank	05S\06S
20	D00	IRP-LP-01	0.4	WELL15-400-NSWG-001A	VFD	90	3×185	3C	185	-	-	15	M63	M63	56.9	LAN3	Electrical Submersible Pump & Equipment	05S\06S\07S
21	D00	IRP-LP-02	0.4	VFD	IRP Pump	90	3×185	3C	185	-	-	100	M63	M63	56.9	LAL3V	Electrical Submersible Pump & Equipment	07S\06S\05S\04S\10S\01\03\05\07\11\12
22	D00	110-CHG-001-LP-01	0.4	WELL15-400-NSWG-001A	WELL15-110-CHG-001	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 1	05S\11S
23	D00	FB 1-LP-01	0.11 VDC	WELL152-110-CHG-001	Fuse Box 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box 1	05S\11S
24	D00	BAT 1-LP-01	0.11 VDC	Fuse Box 1	Battery Bank 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank 1	05S\11S
25	D00	110-CHG-002-LP-01	0.4	WELL15-400-NSWG-001A	WELL15-110-CHG-002	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 2	05S\11S
26	D00	FB 1-LP-02	0.11 VDC	WELL15-110-CHG-002	Fuse Box 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box-2	05S\11S
27	D00	BAT 1-LP-02	0.11 VDC	Fuse Box 2	Battery Bank 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank-2	05S\11S
28	D00	DP01-LP-01	0.4	WELL15-400-NSWG-001A	WELL15-DP01	14.1	4×10	4C	10	10.0	-	10	M25	M25	22.1	LAN4	Distribution Panel for Switchgear Building	04S
29	D00	DP02-LP-01	0.4	WELL15-400-NSWG-001A	WELL15-DP02	6.8	4×6	4C	6	6.0	-	50	M25	M25	19.7	LAN4	Distribution Panel for Security Building	04S\10S\01\02
30	D00	DP03-LP-01	0.4	WELL15-400-NSWG-001A	WELL15-DP03	6.4	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Distribution Panel for Outdoor Area	04S
31	D00	JB-LT-01-LP-01	0.4	WELL15-DP03	JB-LT-01	3.2	4×10	4C	10	10.0	-	65	M25	M25	22.1	LAN4	Lighting Tower 1	04S\01\03\05\06
32	D00	JB-LP-02-LP-02	0.4	JB-LP-01	JB-LP-02	3.2	4×10	4C	10	10.0	-	75	M25	M25	22.1	LAN4	Lighting Tower 2	06\07\11\13
33	D00	JB-LP-03-LP-03	0.4	WELL15-DP03	JB-LP-03	3.2	4×16	4C	16	16.0	-	130	M25	M25	24.5	LAN4	Lighting Tower 3	04S\10S\01\03\05\07\08
34	D00	JB-LP-04-LP-04	0.4	JB-LP-03	JB-LP-04	3.2	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Lighting Tower 4	09\10
35	D00	WS01-LP-01	0.4	WELL15-400-NSWG-001A	WELL15-WS01	37	3×70	4C	35	35.0	-	95	M50	M50	41.6	LAN4	Welding Socket 1	04S\10S\01\03\05\07\11\13\14
36	D00	WS01-LP-02	0.4	WELL15-WS01	WELL15-WS02	37	3×70	4C	35	35.0	-	115	M50	M50	41.6	LAN4	Welding Socket 2	13\11\08\09

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size (mm2)	Cable Size (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Route
				From	To			Core	Phase	N	E		Source	Field				
1	D00	TR-001-MP-01	11	Gantry from OHL	WELL007-TR-001	200	3×50	3C	50	-	-	50	-	-	33.3	M1N3	to Primary Side of Transformer	01S
2	D00	NSWG-001A-LP-A1	0.4	WELL007-TR-001	WELL007-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
3	D00	NSWG-001A-LP-B1	0.4	WELL007-TR-001	WELL007-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
4	D00	NSWG-001A-LP-C1	0.4	WELL007-TR-001	WELL007-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
5	D00	NSWG-001A-LP-N1	0.4	WELL007-TR-001	WELL007-400-NSWG-001A	200	1×95	1C	-	95	-	10	-	M25	23.3	LAN3	from Neutral of Transformer to Switchgear	02S\03S
6	D00	NSWG-001A-C-01	0.11 VDC	WELL007-TR-001	WELL007-400-NSWG-001A	-	12×2.5	12C	2.5	-	-	10	M25	M25	23.5	CAN12	Transformer Mechanical Alarm & Trip to SWG	02S\03S
7	D00	DG-LP-01-A1	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
8	D00	DG-LP-01-B1	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
9	D00	DG-LP-01-C1	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
10	D00	DG-LP-01-A2	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
11	D00	DG-LP-01-B2	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
12	D00	DG-LP-01-C2	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
13	D00	DG-LP-01-A3	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
14	D00	DG-LP-01-B3	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
15	D00	DG-LP-01-C3	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
16	D00	DG-LP-01-N1	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185		-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
17	D00	DG-LP-01-N2	0.4	WELL007-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
18	D00	DG-C-01	0.11 VDC	WELL007-400-NSWG-001A	Generator Control Panel	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	to Generator Control Panel	04S\10S\01\03\04
19	D00	CB-LP-01	0.4	WELL007-400-NSWG-001A	Capacitor Bank	50kvar	3×50	4C	50.0	25.0	-	10	M40	M40	36.3	LAN4	Capacitor Bank	05S\06S
20	D00	IRP-LP-01	0.4	WELL007-400-NSWG-001A	VFD	90	3×185	3C	185	-	-	15	M63	M63	56.9	LAN3	Electrical Submersible Pump & Equipment	05S\06S\07S
21	D00	IRP-LP-02	0.4	VFD	IRP Pump	90	3×185	3C	185	-	-	100	M63	M63	56.9	LAL3V	Electrical Submersible Pump & Equipment	07S\06S\05S\04S\10S\01\03\05\07\11\12
22	D00	110-CHG-001-LP-01	0.4	WELL007-400-NSWG-001A	WELL007-110-CHG-001	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 1	05S\11S
23	D00	FB 1-LP-01	0.11 VDC	WELL0072-110-CHG-001	Fuse Box 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box 1	05S\11S
24	D00	BAT 1-LP-01	0.11 VDC	Fuse Box 1	Battery Bank 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank 1	05S\11S
25	D00	110-CHG-002-LP-01	0.4	WELL007-400-NSWG-001A	WELL007-110-CHG-002	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 2	05S\11S
26	D00	FB 1-LP-02	0.11 VDC	WELL007-110-CHG-002	Fuse Box 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box-2	05S\11S
27	D00	BAT 1-LP-02	0.11 VDC	Fuse Box 2	Battery Bank 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank-2	05S\11S
28	D00	DP01-LP-01	0.4	WELL007-400-NSWG-001A	WELL007-DP01	14.1	4×10	4C	10	10.0	-	10	M25	M25	22.1	LAN4	Distribution Panel for Switchgear Building	04S
29	D00	DP02-LP-01	0.4	WELL007-400-NSWG-001A	WELL007-DP02	6.8	4×6	4C	6	6.0	-	50	M25	M25	19.7	LAN4	Distribution Panel for Security Building	04S\10S\01\02
30	D00	DP03-LP-01	0.4	WELL007-400-NSWG-001A	WELL007-DP03	6.4	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Distribution Panel for Outdoor Area	04S
31	D00	JB-LT-01-LP-01	0.4	WELL007-DP03	JB-LT-01	3.2	4×10	4C	10	10.0	-	65	M25	M25	22.1	LAN4	Lighting Tower 1	04S\01\03\05\06
32	D00	JB-LP-02-LP-02	0.4	JB-LP-01	JB-LP-02	3.2	4×10	4C	10	10.0	-	75	M25	M25	22.1	LAN4	Lighting Tower 2	06\07\11\13
33	D00	JB-LP-03-LP-03	0.4	WELL007-DP03	JB-LP-03	3.2	4×16	4C	16	16.0	-	130	M25	M25	24.5	LAN4	Lighting Tower 3	04S\10S\01\03\05\07\08
34	D00	JB-LP-04-LP-04	0.4	JB-LP-03	JB-LP-04	3.2	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Lighting Tower 4	09\10
35	D00	WS01-LP-01	0.4	WELL007-400-NSWG-001A	WELL007-WS01	37	3×70	4C	35	35.0	-	95	M50	M50	41.6	LAN4	Welding Socket 1	04S\10S\01\03\05\07\11\13\14
36	D00	WS01-LP-02	0.4	WELL007-WS01	WELL007-WS02	37	3×70	4C	35	35.0	-	115	M50	M50	41.6	LAN4	Welding Socket 2	13\11\08\09

Item	Rev	Cable Tag No.	Service Voltage (KV)	Equipment Tag		Rating (KW)	Size (mm2)	Cable Size (SQMM)				Length (m)	Cable Gland Size		O.D (mm)	Cable Type	Description	Route
				From	To			Core	Phase	N	E		Source	Field				
1	D00	TR-001-MP-01	11	Gantry from OHL	WELL046-TR-001	200	3×50	3C	50	-	-	50	-	-	33.3	M1N3	to Primary Side of Transformer	01S
2	D00	NSWG-001A-LP-A1	0.4	WELL046-TR-001	WELL046-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
3	D00	NSWG-001A-LP-B1	0.4	WELL046-TR-001	WELL046-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
4	D00	NSWG-001A-LP-C1	0.4	WELL046-TR-001	WELL046-400-NSWG-001A	200	1×185	1C	185	-	-	10	-	M32	29.0	LAN3	from Secondary Side of Transformer to Switchgear	02S\03S
5	D00	NSWG-001A-LP-N1	0.4	WELL046-TR-001	WELL046-400-NSWG-001A	200	1×95	1C	-	95	-	10	-	M25	23.3	LAN3	from Neutral of Transformer to Switchgear	02S\03S
6	D00	NSWG-001A-C-01	0.11 VDC	WELL046-TR-001	WELL046-400-NSWG-001A	-	12×2.5	12C	2.5	-	-	10	M25	M25	23.5	CAN12	Transformer Mechanical Alarm & Trip to SWG	02S\03S
7	D00	DG-LP-01-A1	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
8	D00	DG-LP-01-B1	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
9	D00	DG-LP-01-C1	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
10	D00	DG-LP-01-A2	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
11	D00	DG-LP-01-B2	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
12	D00	DG-LP-01-C2	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
13	D00	DG-LP-01-A3	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
14	D00	DG-LP-01-B3	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
15	D00	DG-LP-01-C3	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
16	D00	DG-LP-01-N1	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185		-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
17	D00	DG-LP-01-N2	0.4	WELL046-400-NSWG-001A	Generator Control Panel	200	1×185	1C	185	-	-	50	M32	M32	29.0	LAN3	to Generator Control Panel	04S\10S\01\03\04
18	D00	DG-C-01	0.11 VDC	WELL046-400-NSWG-001A	Generator Control Panel	-	12×2.5	12C	2.5	-	-	50	M25	M25	23.5	CAN12	to Generator Control Panel	04S\10S\01\03\04
19	D00	CB-LP-01	0.4	WELL046-400-NSWG-001A	Capacitor Bank	50kvar	3×50	4C	50.0	25.0	-	10	M40	M40	36.3	LAN4	Capacitor Bank	05S\06S
20	D00	IRP-LP-01	0.4	WELL046-400-NSWG-001A	VFD	90	3×185	3C	185	-	-	15	M63	M63	56.9	LAN3	Electrical Submersible Pump & Equipment	05S\06S\07S
21	D00	IRP-LP-02	0.4	VFD	IRP Pump	90	3×185	3C	185	-	-	100	M63	M63	56.9	LAL3V	Electrical Submersible Pump & Equipment	07S\06S\05S\04S\10S\01\03\05\07\11\12
22	D00	110-CHG-001-LP-01	0.4	WELL046-400-NSWG-001A	WELL046-110-CHG-001	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 1	05S\11S
23	D00	FB 1-LP-01	0.11 VDC	WELL0462-110-CHG-001	Fuse Box 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box 1	05S\11S
24	D00	BAT 1-LP-01	0.11 VDC	Fuse Box 1	Battery Bank 1	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank 1	05S\11S
25	D00	110-CHG-002-LP-01	0.4	WELL046-400-NSWG-001A	WELL046-110-CHG-002	3	4×4	4C	4	4	-	10	M20	M20	17.7	LAN3	110VDC Charger 2	05S\11S
26	D00	FB 1-LP-02	0.11 VDC	WELL046-110-CHG-002	Fuse Box 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Fuse Box-2	05S\11S
27	D00	BAT 1-LP-02	0.11 VDC	Fuse Box 2	Battery Bank 2	-	2×6	2C	6	-	-	10	M20	M20	16.8	LAN2	DC Charger Battery Bank-2	05S\11S
28	D00	DP01-LP-01	0.4	WELL046-400-NSWG-001A	WELL046-DP01	14.1	4×10	4C	10	10.0	-	10	M25	M25	22.1	LAN4	Distribution Panel for Switchgear Building	04S
29	D00	DP02-LP-01	0.4	WELL046-400-NSWG-001A	WELL046-DP02	6.8	4×6	4C	6	6.0	-	50	M25	M25	19.7	LAN4	Distribution Panel for Security Building	04S\10S\01\02
30	D00	DP03-LP-01	0.4	WELL046-400-NSWG-001A	WELL046-DP03	6.4	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Distribution Panel for Outdoor Area	04S
31	D00	JB-LT-01-LP-01	0.4	WELL046-DP03	JB-LT-01	3.2	4×10	4C	10	10.0	-	65	M25	M25	22.1	LAN4	Lighting Tower 1	04S\01\03\05\06
32	D00	JB-LP-02-LP-02	0.4	JB-LP-01	JB-LP-02	3.2	4×10	4C	10	10.0	-	75	M25	M25	22.1	LAN4	Lighting Tower 2	06\07\11\13
33	D00	JB-LP-03-LP-03	0.4	WELL046-DP03	JB-LP-03	3.2	4×16	4C	16	16.0	-	130	M25	M25	24.5	LAN4	Lighting Tower 3	04S\10S\01\03\05\07\08
34	D00	JB-LP-04-LP-04	0.4	JB-LP-03	JB-LP-04	3.2	4×6	4C	6	6.0	-	10	M25	M25	19.7	LAN4	Lighting Tower 4	09\10
35	D00	WS01-LP-01	0.4	WELL046-400-NSWG-001A	WELL046-WS01	37	3×70	4C	35	35.0	-	95	M50	M50	41.6	LAN4	Welding Socket 1	04S\10S\01\03\05\07\11\13\14
36	D00	WS01-LP-02	0.4	WELL046-WS01	WELL046-WS02	37	3×70	4C	35	35.0	-	115	M50	M50	41.6	LAN4	Welding Socket 2	13\11\08\09