TECHNICAL AMENDMENT NO. 1

TO

Bid No.

JP/B862-000-DC-T-8901/1032

FOR

PLANT WIDE LAN SYSTEM

BIDDER's Seal

Date _____

Signature _____

Authorized Signatory Name _____

The Bidding Document stands modified to the extent indicated under column "MODIFICATIONS/ ADDITIONS/ DELETIONS". Rest of the Bidding Document issued earlier remains unaltered.

Sl. No.	Document No.	Document Title	Clause No./ Item No.	Subject	Modifications / Additions/Deletions
1.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.1	Layer 3 Core Switch	Existing Clause: Switch should support control plane i.e. processor and memory Protection from unnecessary or DoS traffic by control plane protection policy Stands modified as Switch should support control plane i.e. processor and memory/CPU Protection from unnecessary or DoS traffic by control plane protection policy.
2.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.1	Layer 3 Core Switch	Existing Clause: Lifecycle support from OEM shall be extended for 10 years from the date of dispatch. Stands Deleted
3.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.2	Distribution Switch	Existing Clause: Switch should provide remote login for administration Telnet, SSHv2 Stands Modified as Switch should provide remote login for administration Telnet/ SSHv2/ HTTPS
4.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.2	Distribution Switch	Existing Clause: Switch should support control plane i.e. processor and memory Protection from unnecessary or DoS traffic by control plane protection policy Stands Modified as

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Sl. No.	Document No.	Document Title	Clause No./ Item No.	Subject	Modifications / Additions/Deletions
					Switch should support control plane i.e. processor and memory/CPU Protection from unnecessary or DoS traffic by control plane protection policy.
5.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.2	Distribution Switch	Existing Clause: Lifecycle support from OEM shall be extended for 10 years from the date of dispatch. Stands Deleted.
6.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.3	Access Switch-48 Port	Existing Clause: Lifecycle support from OEM shall be extended for 10 years from the date of dispatch. Stands Deleted.
7.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.4	Access Switch-24 Port	Existing Clause: Switch should support ACL entries min 1K IPv4 and 1K IPv6 Stands Modified as Switch should support required number of ACL entries IPv4 or IPv6
8.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.4	Access Switch-24 Port	Existing Clause: Lifecycle support from OEM shall be extended for 10 years from the date of dispatch. Stands Deleted.
9.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.5	Access Switch-8 Port	Existing Clause: Switch needs to have dedicated OOB 1G port, console cable and 19" rack mounting kit to be provided along with. Stands Modified as Switch needs to have dedicated OOB/ MGMT port 1G port, console cable and 19" rack mounting kit to be provided along with.

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Sl. No.	Document No.	Document Title	Clause No./ Item No.	Subject	Modifications / Additions/Deletions
10.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.5	Access Switch-8 Port	Existing Clause: Lifecycle support from OEM shall be extended for 10 years from the date of dispatch. Stands Deleted.
11.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.9	Server Farm Switch	Existing Clause: Switch should provide remote login for administration Telnet, SSHv2 Stands Modified as Switch should provide remote login for administration Telnet/ SSHv2/ HTTPS
12.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure-I S.No.2.9	Server Farm Switch	Existing Clause: Lifecycle support from OEM shall be extended for 10 years from the date of dispatch. Stands Deleted.
13.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Active Components Sr. No. 2.5	Access Switch-8Port	Existing Clause: The Switch should have minimum 240 W PoE Budget Stands Modified as The Switch should have minimum 120 W PoE Budget.
14.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Active Components Sr. No. 2.5	Access Switch-8Port	Existing Clause: Lifecycle support from OEM shall be extended for 10 years from the date of dispatch. Stands Deleted.
15.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Active Components Sr. No. 2.6	Access Switch-8Port IG	Existing Clause: It should have static IP routing, RIP and OSPF from Day-1 Stands Modified as

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Sl. No.	Document No.	Document Title	Clause No./ Item No.	Subject	Modifications / Additions/Deletions
					It should have static IP routing.
16.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Active Components Sr. No. 2.6	Access Switch-8Port IG	Existing Clause: Lifecycle support from OEM shall be extended for 10 years from the date of dispatch. Stands Deleted.
17.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.1	Fiber Cable 96 Core	Existing Clause: The Fiber shall be suitable for Aerial (lashed), Indoor and Outdoor Ducts or Direct Burial applications. Stands Modified as The Fiber shall be suitable for Indoor and Outdoor Ducts or Direct Burial applications.
18.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.2	Fiber Cable 48 Core	Existing Clause: The Fiber shall be suitable for Aerial (lashed), Indoor and Outdoor Ducts or Direct Burial applications. Stands Modified as The Fiber shall be suitable for Indoor and Outdoor Ducts or Direct Burial applications.
19.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.3	Fiber Cable 12 Core	Existing Clause: The Fiber shall be suitable for Aerial (lashed), Indoor and Outdoor Ducts or Direct Burial applications. Stands Modified as The Fiber shall be suitable for Indoor and Outdoor Ducts or Direct Burial applications.
20.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.4	Fiber Cable 6 Core	Existing Clause: The Fiber shall be suitable for Aerial (lashed), Indoor and Outdoor Ducts or Direct Burial applications.

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Sl. No.	Document No.	Document Title	Clause No./ Item No.	Subject	Modifications / Additions/Deletions
					Stands Modified as The Fiber shall be suitable for Indoor and Outdoor Ducts or Direct Burial applications.
21.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.5	Fiber Patch Panel 96 Core	Existing Clause: Shall have all accessories including, but not limited to, the front panel, coupler plates, blanking plates, duplex LC couplers (OS2) for terminating fibres on the FOPP Stands Modified as Shall have all accessories including, but not limited to, the front panel, coupler plates, blanking plates, duplex or quad LC couplers (OS2) for terminating fibres on the FOPP
22.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.6	Fiber Patch Panel 48 Core	Existing Clause: Shall have all accessories including, but not limited to, the front panel, coupler plates, blanking plates, duplex LC couplers (OS2) for terminating fibres on the FOPP Stands Modified as Shall have all accessories including, but not limited to, the front panel, coupler plates, blanking plates, duplex or quad LC couplers (OS2) for terminating fibres on the FOPP
23.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.7	Fiber Patch Panel 24 Core	Existing Clause: Shall have all accessories including, but not limited to, the front panel, coupler plates, blanking plates, duplex LC couplers (OS2) for terminating fibres on the FOPP Stands Modified as

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Sl. No.	Document No.	Document Title	Clause No./ Item No.	Subject	Modifications / Additions/Deletions
					Shall have all accessories including, but not limited to, the front panel, coupler plates, blanking plates, duplex or quad LC couplers (OS2) for terminating fibres on the FOPP
24.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.8	Fiber Patch Panel 12 Core	Existing Clause: Shall have all accessories including, but not limited to, the front panel, coupler plates, blanking plates, duplex LC couplers (OS2) for terminating fibres on the FOPP Stands Modified as Shall have all accessories including, but not limited to, the front panel, coupler plates, blanking plates, duplex or quad LC couplers (OS2) for terminating fibres on the FOPP
25.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.11	OFC Building Distribution Enclosure IP 54	Existing Clause: Shall meet the IP54 Rated. Stands Modified as Shall meet the IP54/IP65 Rated
26.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.17	Fiber Pathway System	Existing Clause: The fiber raceways system shall be available in 2x2, 2x6, 4x4, 4x6, 4x12 and 4x24 inch dimensions. Stands Modified as The fiber raceways system shall be available in 2x2, 4x4, 4x6, 4x10 and 4x12 inch dimensions.
27.	B862-000-20-41-SOW-8901 Rev. No. 0	SCOPE OF SUPPLY & WORK FOR PLANT WIDE LAN SYSTEM	Annexure 1 Passive Components Sr. No. 1.22	CAT 6A U/UTP Information Outlet	Existing Clause: The information outlet must support 90-degree cable termination. Plug Retention Force: 133 N minimum between modular plug and jack, Meets and exceeds ISO 9001:2015, RoHS compliant. Stands Modified as

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Sl. No.	Document No.	Document Title	Clause No./ Item No.	Subject	Modifications / Additions/Deletions
					The information outlet must support 90-degree cable termination. Plug Retention Force: 133 N/13.5 kg minimum between modular plug and jack, Meets and exceeds ISO 9001:2015, RoHS compliant.

BIDDER's Seal

Signature _____

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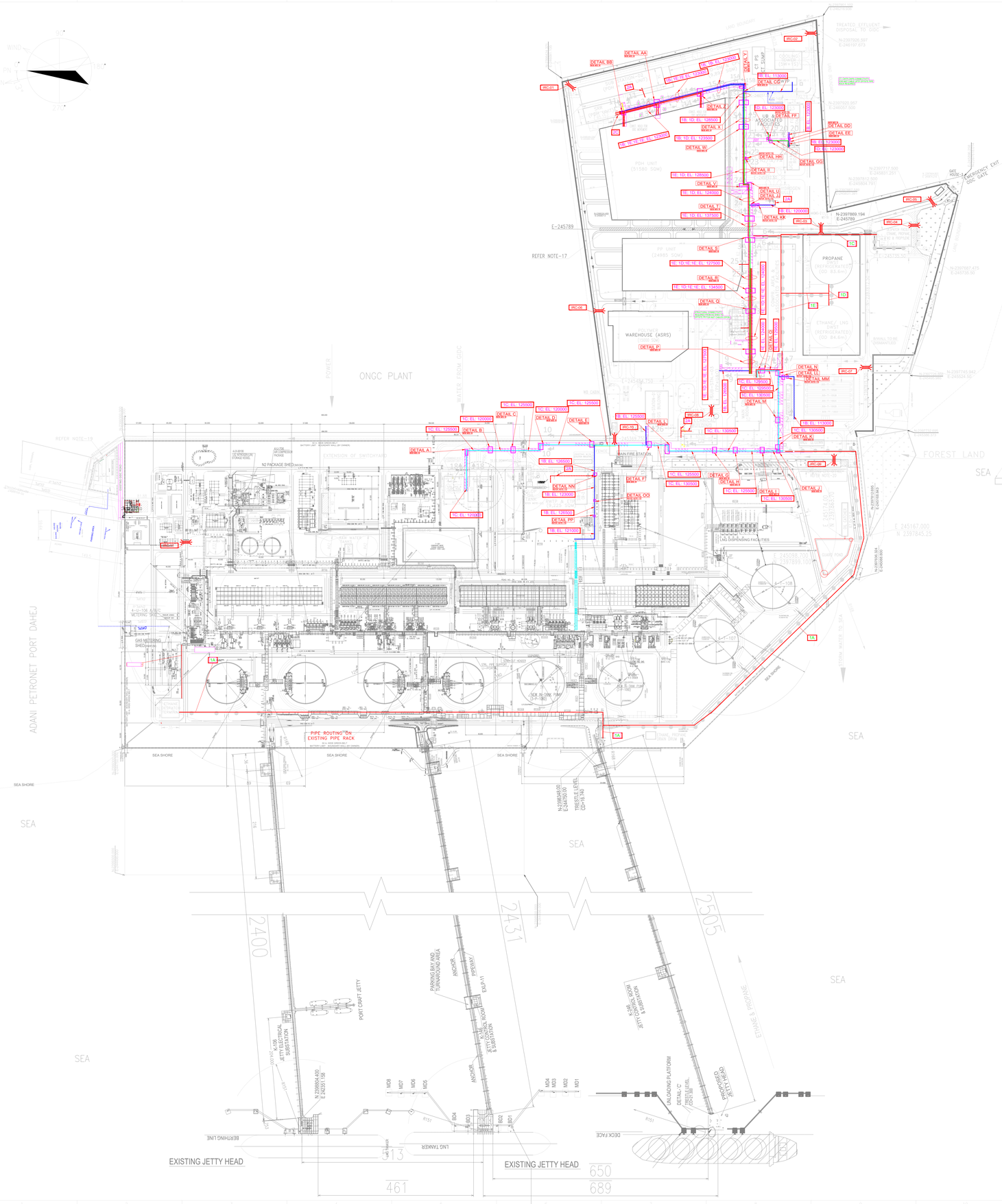
Authorized Signatory Name _____

B862-202-16-51-00001



REF. DWG. NO.	REFERENCE DRAWING TITLE
B862-000-81-45-00001	OVERALL PLOT PLAN

NOTES :-

1. ALL DIMENSIONS AND CO-ORDINATES ARE IN METRES UNLESS OTHERWISE STATED HOWEVER DUCT/TRENCH SIZES ARE IN mm.
2. FOR INSTRUMENT DUCT FABRICATION DETAILS REFER STANDARD NO. 7-52-0254 (31 Sheets).
3. MINIMUM CLEARANCE REQUIRED FROM COLUMN FACE TO INST. DUCT EDGE IS 200mm TO FIX THE CLAMPS/FIRE PROOFING.
4. PIPING TO ENSURE THAT NO STEAM PIPES SHALL BE ROUTED NEAR INST. CABLE DUCT.
5. INSTRUMENT CABLE DUCT SHALL NOT BE ROUTED IN PARALLEL WITH ELECTRICAL CABLES. IF UNAVOIDABLE , TYPICAL GAP OF 1000 mm SHALL BE ENSURED. THE SECONDARY CABLE TRAY ROUTING DEDICATED TO INTERCONNECTING CABLES BETWEEN INSTRUMENT TO JUNCTION BOXES/LOCAL PANELS, AND FROM JUNCTION BOXES/ LOCAL PANELS TO MAIN CABLE DUCTS ARE NOT SHOWN ON THE DRAWING AND SHALL BE DECIDED AT SITE BY INSTRUMENT ERECTION CONTRACTOR WITH THE APPROVAL OF SITE ENGINEER-INCHARGE/CLIENT.
6. INSTRUMENT CABLE DUCT SHALL BE SUPPORTED ON CONTINUOUS MEMBERS BY STRUCTURE.
7. CONTINUOUS MEMBER TO SUIT AS PER THE DUCT SIZE AND LOAD OF DUCT BY STRL.
8. ESTIMATED WEIGHT OF DUCT INCLUDING CABLES PER METER RUN.
   1200W X 400H = 800Kg/m 1000W X 400H = 650Kg/m
   800W X 300H = 400Kg/m 600W X 300H = 300Kg/m
9. FOR MTO OF CABLE DUCT REFER 3D MODEL. THIS LAYOUT IS INDICATIVE ONLY FOR ROUTING OF CABLE DUCT.
10. FOR DUCT SUPPORT, REFER STRUCTURAL AREA DRAWING.
11. FOR CABLE ENTRY IN SRR-1, REFER SRR DRAWING.
12. THE FIREPROOFING OF INST CABLE DUCT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPLICABLE SPECIFICATION AFTER COMPLETION OF CABLE LAYING.
13. REFER B-1651-0093 GUIDELINES FOR INSTRUMENTATION DUCT SUPPORT VERTICAL DROPPING.
14. FOR CABLE DUCT DETAIL A TO Z & AA TO EE REFER DRAWING NO. B862-202-16-51-00002
15. FOR CABLE DUCT DETAIL FF TO PP REFER DRAWING NO. B862-202-16-51-00003

INSTRUMENT CABLE DUCT DETAILS

S.NO.	DUCT IDENTIFICATION	SIZE	COLOR
1.	1A	400 W X 200 H (MM)	MAGENTA
2.	1B	600 W X 300 H (MM)	BLUE
3.	1C	800 W X 300 H (MM)	CYAN
4.	1D	1000 W X 400 H (MM)	GREEN
5.	1E	1200 W X 400 H (MM)	RED

INSTRUMENT CABLE TRENCH DETAILS

S.NO.	DUCT IDENTIFICATION	SIZE
1.	2A	750 D X 750 W (MM)
2.	2B	1250 W X 1000 H (MM)
3.	2C	1500 W X 1250 H (MM)

LEGENDS:-

INSTRUMENT CABLE DUCT DROP
INSTRUMENT DUCT
INSTRUMENT ROAD CROSSING
INSTRUMENT CABLE DUCT DROP CROSSING TRENCH
INSTRUMENT CABLE TRENCH

REV.	DATE	REMARKS	BY	CHKD	APPD	PM
0	09.01.2026	ISSUED FOR CONSTRUCTION	SK	GS/AJS	KS	

ENGINEERS INDIA LIMITED

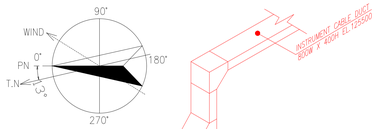
PETRONET LNG LIMITED
पैट्रोनैट एल एन जी लिमिटेड

पी.एल.एल. दहेज में इथेन एवं प्रोपेन की सुविधा सहित पी.डी.एन. पी.पी. प्लांट	PDH-PP PLANT WITH ETHANE & PROPANE HANDLING FACILITY AT PLL DAHEJ COMPLEX
केबल डक्ट अभिन्यास ऑफसाइट यूनिट	INST DUCT/TRAY LAYOUT-OVERALL OFFSITE UNIT

SCALE	JOB NO.	UNIT	DIVN.	DEPT.	DWG. NO.	REV.
1:3000	B862	150	16	51	0803	0

SHEET 01 OF 03

B862-202-16-51-00002



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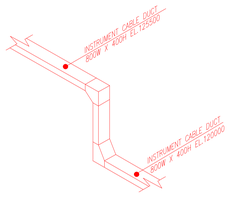
(SECTION 10)



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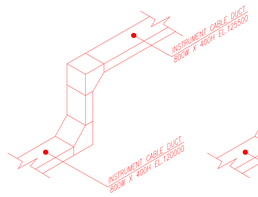

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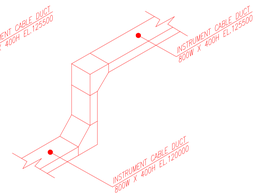

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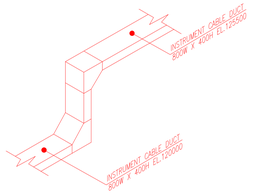

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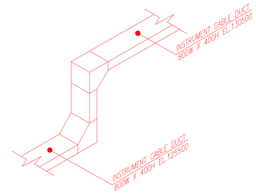

DETAIL-F(LOOKING FROM N-W)
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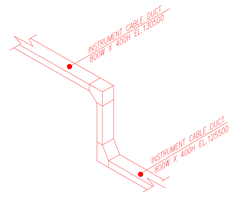

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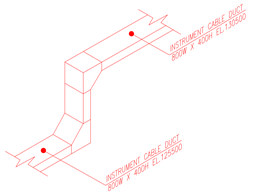

DETAIL-G(LOOKING FROM N-W)
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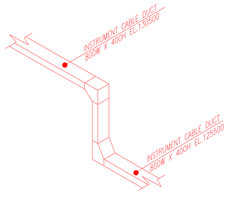

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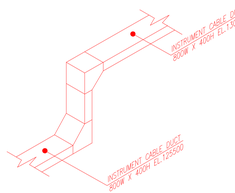

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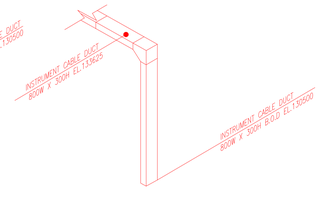

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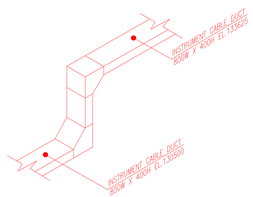

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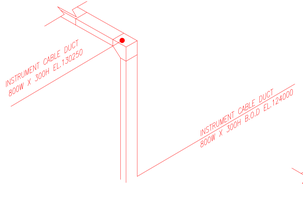

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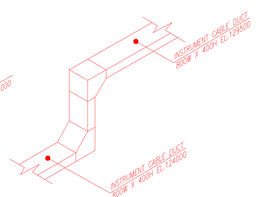

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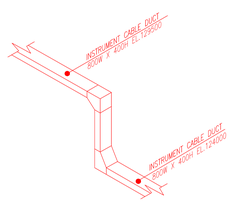

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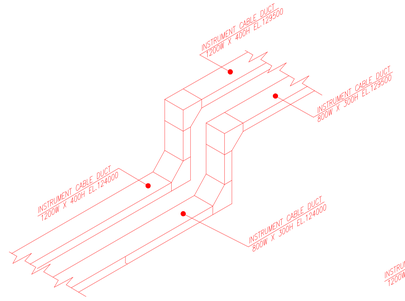

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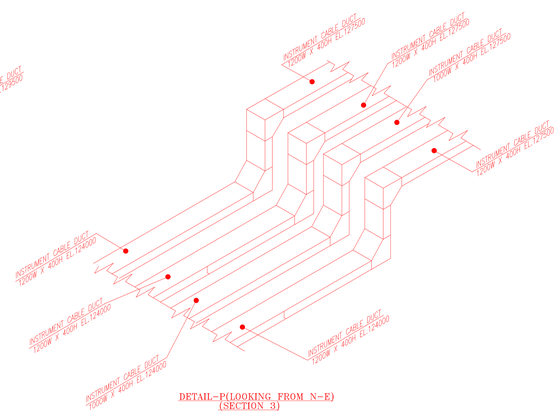

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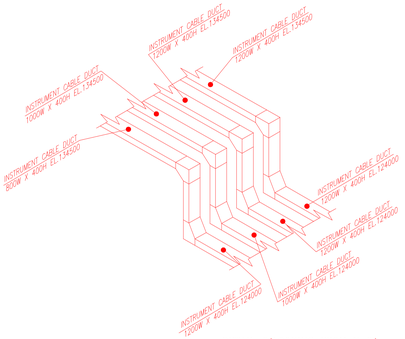

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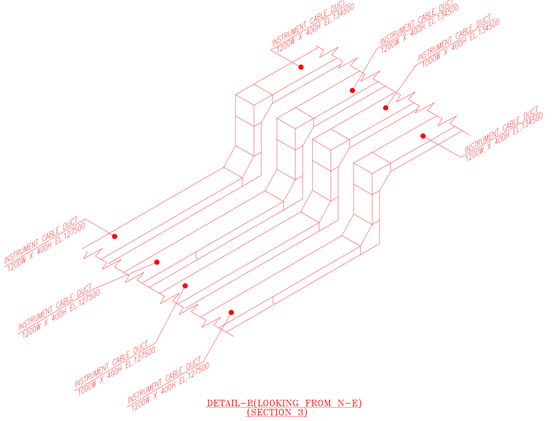

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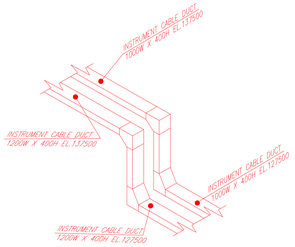

DETAIL-S(LOOKING FROM N-W)
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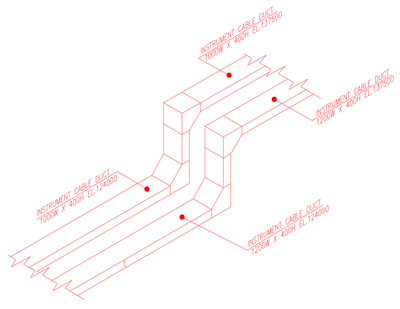
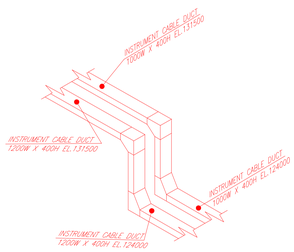
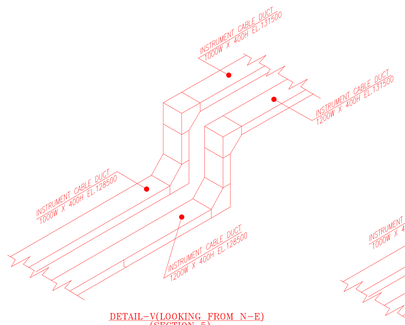


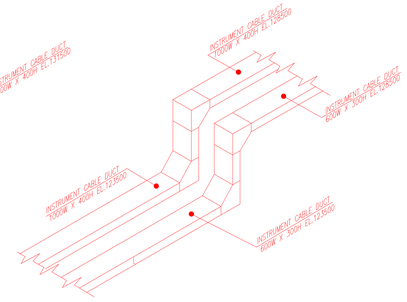
DETAIL-T(LOOKING FROM N-E)
(SECTION 4)



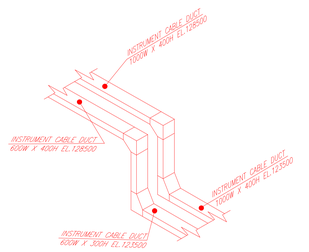
DETAIL-U(LOOKING FROM N-W)
(SECTION 4)



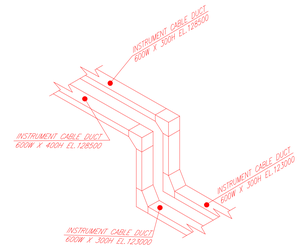
DETAIL-V(LOOKING FROM N-E)
(SECTION 5)



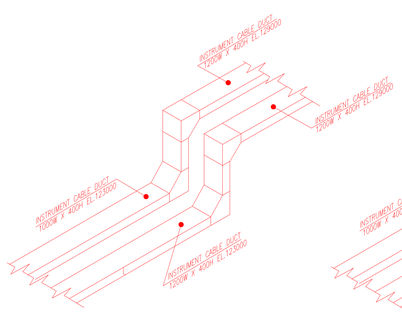
DETAIL-W(LOOKING FROM N-E)
(SECTION 5)



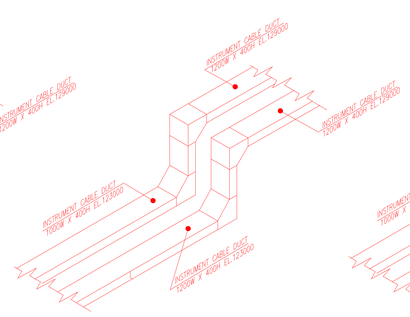
DETAIL-X(LOOKING FROM N-W)
(SECTION 5)



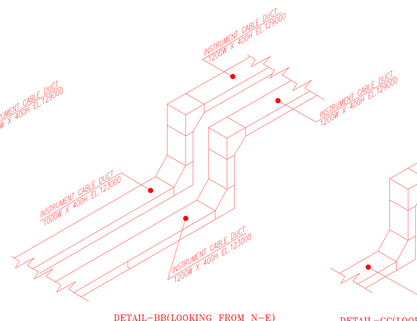
DETAIL-Y(LOOKING FROM E-S)
(SECTION 15B)



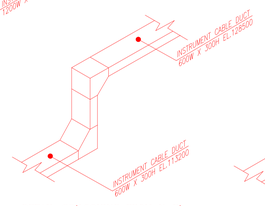
DETAIL-Z(LOOKING FROM N-E)
(SECTION 14)



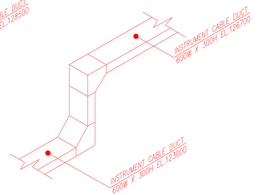
DETAIL-AA(LOOKING FROM N-E)
(SECTION 13)



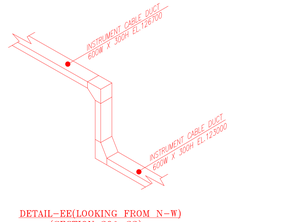
DETAIL-BB(LOOKING FROM N-E)
(SECTION 13)



DETAIL-CC(LOOKING FROM N-E)
(SECTION 15B)



DETAIL-DD(LOOKING FROM N-E)
(SECTION 20& 22)



DETAIL-EE(LOOKING FROM N-W)
(SECTION 20& 22)

REF. DWG. NO.	REFERENCE DRAWING TITLE
B862-000-81-45-00001	OVERALL PLOT PLAN

NOTES :-

1. ALL DIMENSIONS AND CO-ORDINATES ARE IN METRES UNLESS OTHERWISE STATED HOWEVER DUCT/TRENCH SIZES ARE IN mm.
2. FOR INSTRUMENT DUCT FABRICATION DETAILS REFER STANDARD NO. 7-52-0254 (31 Sheets).
3. MINIMUM CLEARANCE REQUIRED FROM COLUMN FACE TO INST. DUCT EDGE IS 200mm TO FIX THE CLAMPS/FIRE PROOFING.
4. PIPING TO ENSURE THAT NO STEAM PIPES SHALL BE ROUTED NEAR INST. CABLE DUCT.
5. INSTRUMENT CABLE DUCT SHALL NOT BE ROUTED IN PARALLEL WITH ELECTRICAL CABLES. IF UNAVOIDABLE , TYPICAL GAP OF 1000 mm SHALL BE ENSURED. THE SECONDARY CABLE TRAY ROUTING DEDICATED TO INTERCONNECTING CABLES BETWEEN INSTRUMENT TO JUNCTION BOXES/LOCAL PANELS, AND FROM JUNCTION BOXES/ LOCAL PANELS TO MAIN CABLE DUCTS ARE NOT SHOWN ON THE DRAWING AND SHALL BE DECIDED AT SITE BY INSTRUMENT ERECTION CONTRACTOR WITH THE APPROVAL OF SITE ENGINEER-INCHARGE/CLIENT.
6. INSTRUMENT CABLE DUCT SHALL BE SUPPORTED ON CONTINUOUS MEMBERS BY STRUCTURE.
7. CONTINUOUS MEMBER TO SUIT AS PER THE DUCT SIZE AND LOAD OF DUCT BY STRL.
8. ESTIMATED WEIGHT OF DUCT INCLUDING CABLES PER METER RUN.
   1200W X 400H = 800Kg/m 1000W X 400H = 650Kg/m
   800W X 300H = 400Kg/m 600W X 300H = 300Kg/m
9. FOR MTO OF CABLE DUCT REFER 3D MODEL. THIS LAYOUT IS INDICATIVE ONLY FOR ROUTING OF CABLE DUCT.
10. FOR DUCT SUPPORT, REFER STRUCTURAL AREA DRAWING.
11. FOR CABLE ENTRY IN SRR-1, REFER SRR DRAWING.
12. THE FIREPROOFING OF INST CABLE DUCT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPLICABLE SPECIFICATION AFTER COMPLETION OF CABLE LAYING.
13. REFER B-1651-0093 GUIDELINES FOR INSTRUMENTATION DUCT SUPPORT VERTICAL DROPPING.
14. FOR CABLE DUCT DETAIL A TO Z & AA TO EE REFER DRAWING NO. B862-150-16-51-0803
15. FOR CABLE DUCT DETAIL FF TO PP REFER DRAWING NO. B862-150-16-51-0803

NO.	DATE	REVISIONS	BY	CHKD. APPD.	PM
0	09.01.2026	ISSUED FOR CONSTRUCTION	SK	GS/AJS	KS

इंजीनियर्स इंडिया लिमिटेड (भारत सरकार का उद्यम) ENGINEERS INDIA LIMITED (A GOVT. OF INDIA UNDERTAKING)

PETRONET LNG LIMITED
पैट्रोनैट एल एन जी लिमिटेड

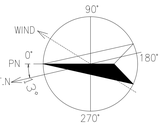
पी.एल.एल. दहेज में इथेन एवं प्रोपेन की सुविधा सहित पी.डी.एच.-पी.पी. प्लांट	PDH-PP PLANT WITH ETHANE & PROPANE HANDLING FACILITY AT PLL DAHEJ COMPLEX
केबल डक्ट अभिन्यास ऑफसाइट यूनिट	INST DUCT/TRAY LAYOUT-OVERALL OFFSITE UNIT

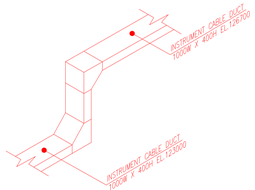
SCALE	JOB NO.	UNIT	DIVN.	DEPT.	DWG. NO.	REV.
NTS	B862	150	16	51	0803	0

SHEET 02 OF 03

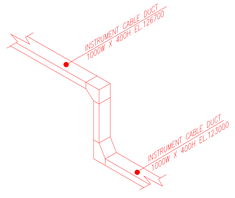
3-18461-0500 REV.3 / 30.12.2019 A0-1189 x 841

B862-202-16-51-00003

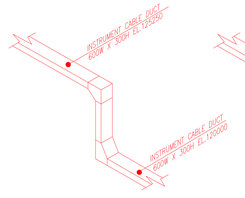




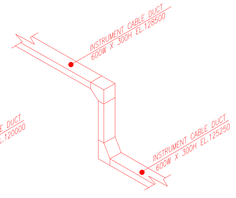
DETAIL-FF(LOOKING FROM N-E)
(SECTION 19)



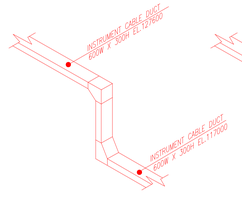
DETAIL-GG(LOOKING FROM W-S)
(SECTION 21)



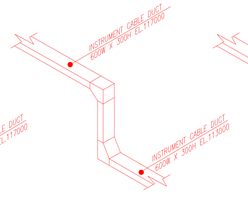
DETAIL-HH(LOOKING FROM W-S)
(SECTION 23)



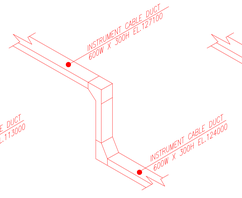
DETAIL-II(LOOKING FROM W-S)
(SECTION 23)



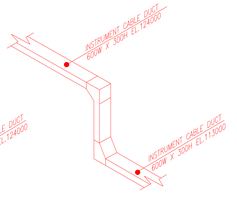
DETAIL-JJ(LOOKING FROM W-S)
(HYDROGEN BULLET)



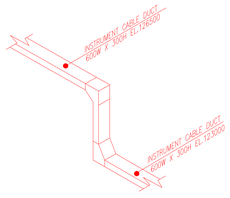
DETAIL-KK(LOOKING FROM W-S)
(HYDROGEN BULLET)



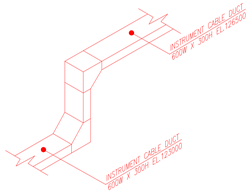
DETAIL-LL(LOOKING FROM W-S)
(MOUNDED BULLET)



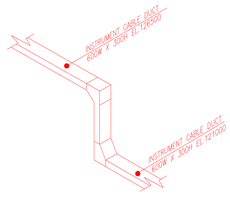
DETAIL-MM(LOOKING FROM W-S)
(MOUNDED BULLET)



DETAIL-NN(LOOKING FROM N-W)
(SECTION 16)



DETAIL-OO(LOOKING FROM N-E)
(SECTION 16)



DETAIL-PP(LOOKING FROM N-W)
(SECTION 17)

REF. DWG. NO.	REFERENCE DRAWING TITLE
B862-000-81-45-00001	OVERALL PLOT PLAN

NOTES :-

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2. FOR INSTRUMENT DUCT FABRICATION DETAILS REFER STANDARD NO. 7-52-0254 (31 Sheets).
3. MINIMUM CLEARANCE REQUIRED FROM COLUMN FACE TO INST. DUCT EDGE IS 200mm TO FIX THE CLAMPS/FIRE PROOFING.
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9. FOR MTO OF CABLE DUCT REFER 3D MODEL. THIS LAYOUT IS INDICATIVE ONLY FOR ROUTING OF CABLE DUCT.
10. FOR DUCT SUPPORT, REFER STRUCTURAL AREA DRAWING.
11. FOR CABLE ENTRY IN SRR-1, REFER SRR DRAWING.
12. THE FIREPROOFING OF INST CABLE DUCT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPLICABLE SPECIFICATION AFTER COMPLETION OF CABLE LAYING.
13. REFER B-1651-0093 GUIDELINES FOR INSTRUMENTATION DUCT SUPPORT VERTICAL DROPPING.
14. FOR CABLE DUCT DETAIL A TO Z & AA TO EE REFER DRAWING NO. B862-150-16-51-0803
15. FOR CABLE DUCT DETAIL FF TO PP REFER DRAWING NO. B862-150-16-51-0803

REV	DATE	REVISIONS	BY	CHKD	APPD	PM
0	09.01.2026	ISSUED FOR CONUSTRUCTION	SK	GS/AJS	KS	

इंजीनियर्स इंडिया लिमिटेड ENGINEERS INDIA LIMITED

PETRONET LNG LIMITED
पैट्रोनैट एल एन जी लिमिटेड

पी.एल.एल. दहेज मे इथेन एवं प्रौपेन को सुविधा सहित पी.डी.एच.-पी.पी. प्लांट	PDH-PP PLANT WITH ETHANE & PROPANE HANDLING FACILITY AT PLL DAHEJ COMPLEX
केबल डक्ट अभिन्यास ऑफसाइट यूनिट	INST DUCT/TRAY LAYOUT-OVERALL OFFSITE UNIT

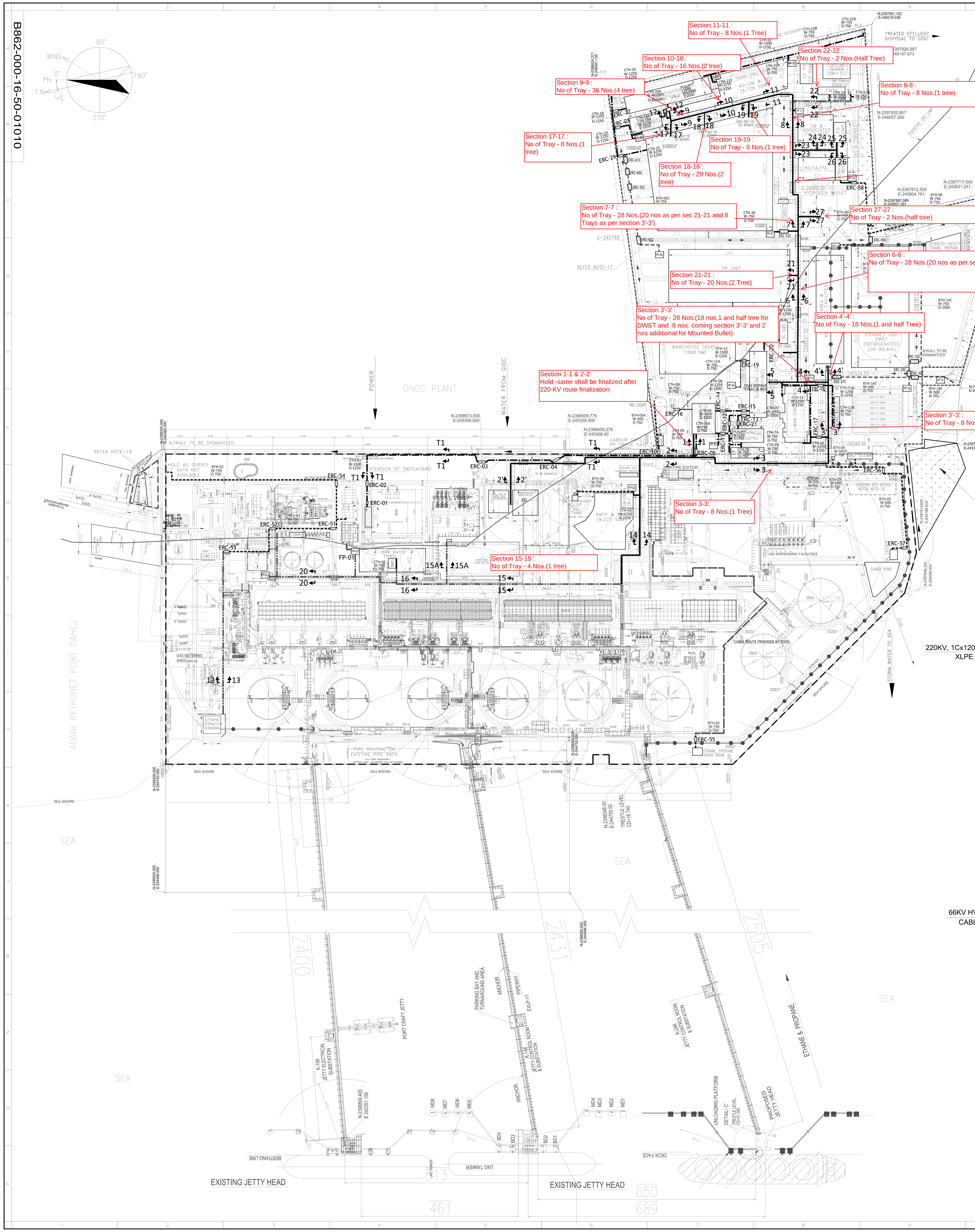
SCALE	JOB NO.	UNIT	DIVN	DEPT	DWG. NO.	REV.
NTS	B862	150	16	51	0803	0

SHEET 03 OF 03

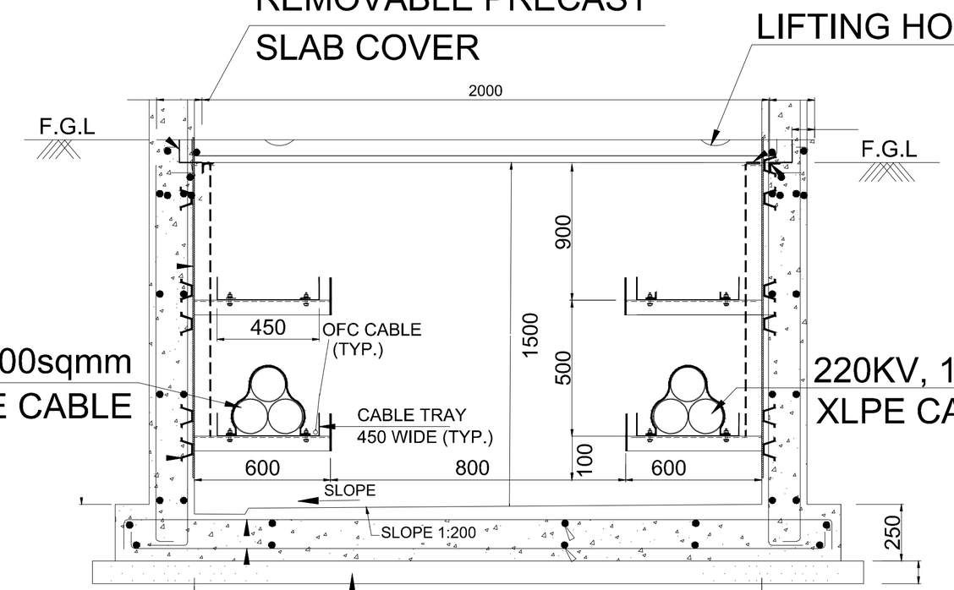
3-1641-0500 REV.3 / 30.12.2019 A0-1189 x 841

B862-000-16-50-01010

SHT-1

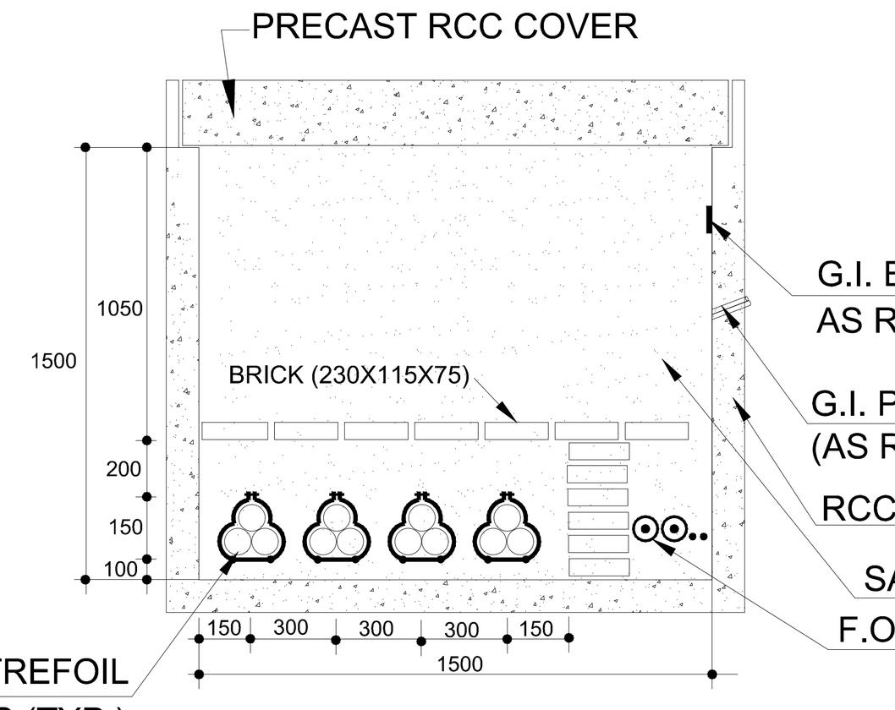


Section 11-11 : No of Tray - 8 Nos.(1 Tree)
Section 10-10 : No of Tray - 16 Nos.(2 tree)
Section 22-22 : No of Tray - 2 Nos.(Half Tree)
Section 9-9 : No of Tray - 36 Nos.(4 tree)
Section 8-8 : No of Tray - 8 Nos.(1 tree)
Section 17-17 : No of Tray - 8 Nos.(1 tree)
Section 19-19 : No of Tray - 8 Nos.(1 tree)
Section 18-18 : No of Tray - 20 Nos.(2 tree)
Section 7-7 : No of Tray - 28 Nos.(20 nos as per sec 21-21 and 8 Trays as per section 3'-3')
Section 27-27 : No of Tray - 2 Nos.(half tree)
Section 6-6 : No of Tray - 28 Nos.(20 nos as per sec 21-21 and 8 Trays as per section 3'-3')
Section 21-21 : No of Tray - 20 Nos.(2 Tree)
Section 3'-3' : No of Tray - 28 Nos.(18 nos.1 and half tree for DWST and 8 nos. coming section 3'-3' and 2 nos additional for Mounted Bullet).
Section 4'-4' : No of Tray - 18 Nos.(1 and half Tree)
Section 1-1 & 2-2: Hold -same shall be finalized after 220 KV route finalization
Section 3'-3' : No of Tray - 8 Nos.(1 Tree)
Section 3-3: No of Tray - 8 Nos.(1 Tree)
Section 15-15 : No of Tray - 4 Nos.(1 tree)
ONGC PLANT
FOREST LAND
ADANI PETRONET PORT DAHEJ
SEA
EXISTING JETTY HEAD

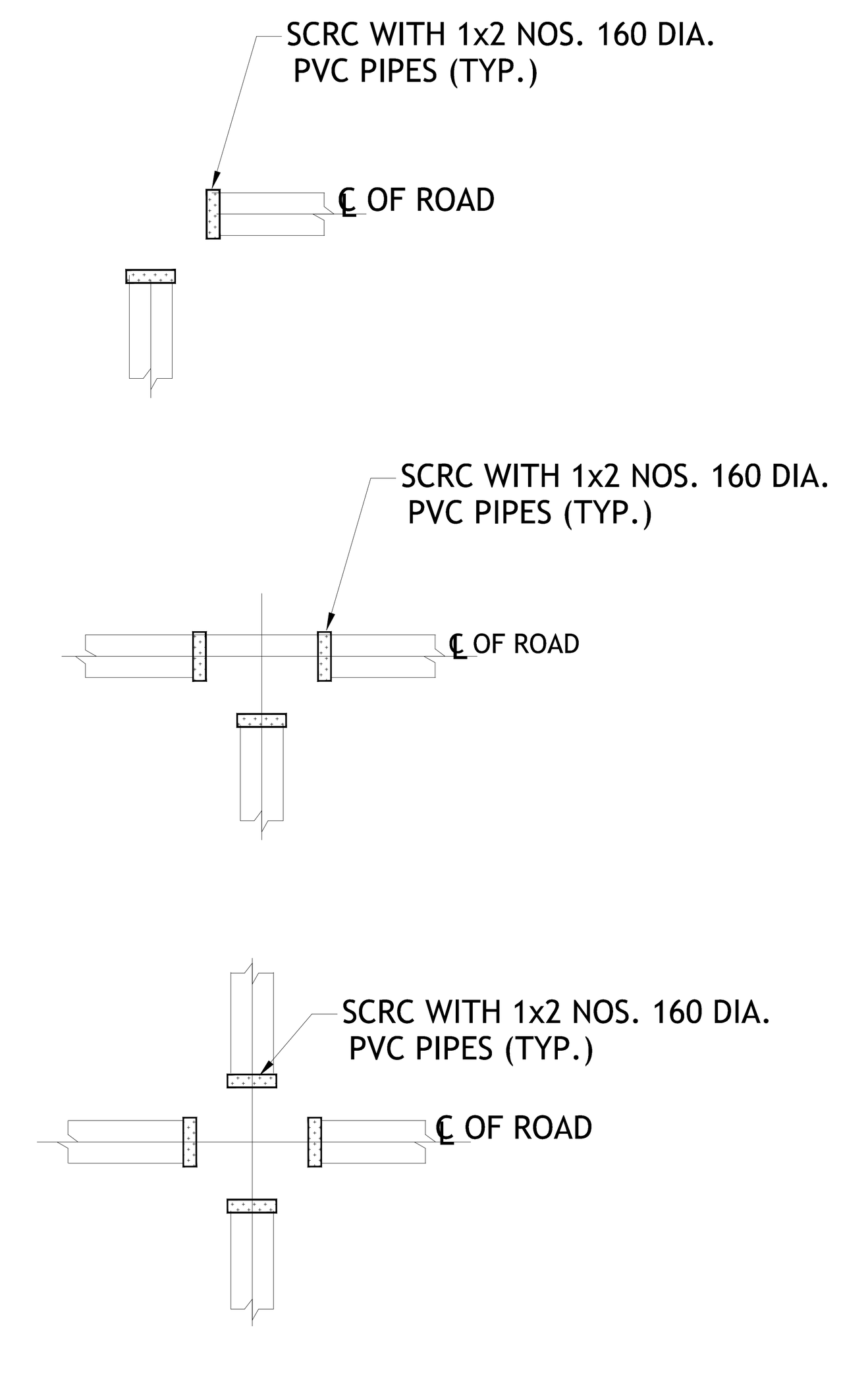


TYPICAL RCC CABLE TRENCH SECTION FOR 220 kV CABLES

SECTION T1-T1

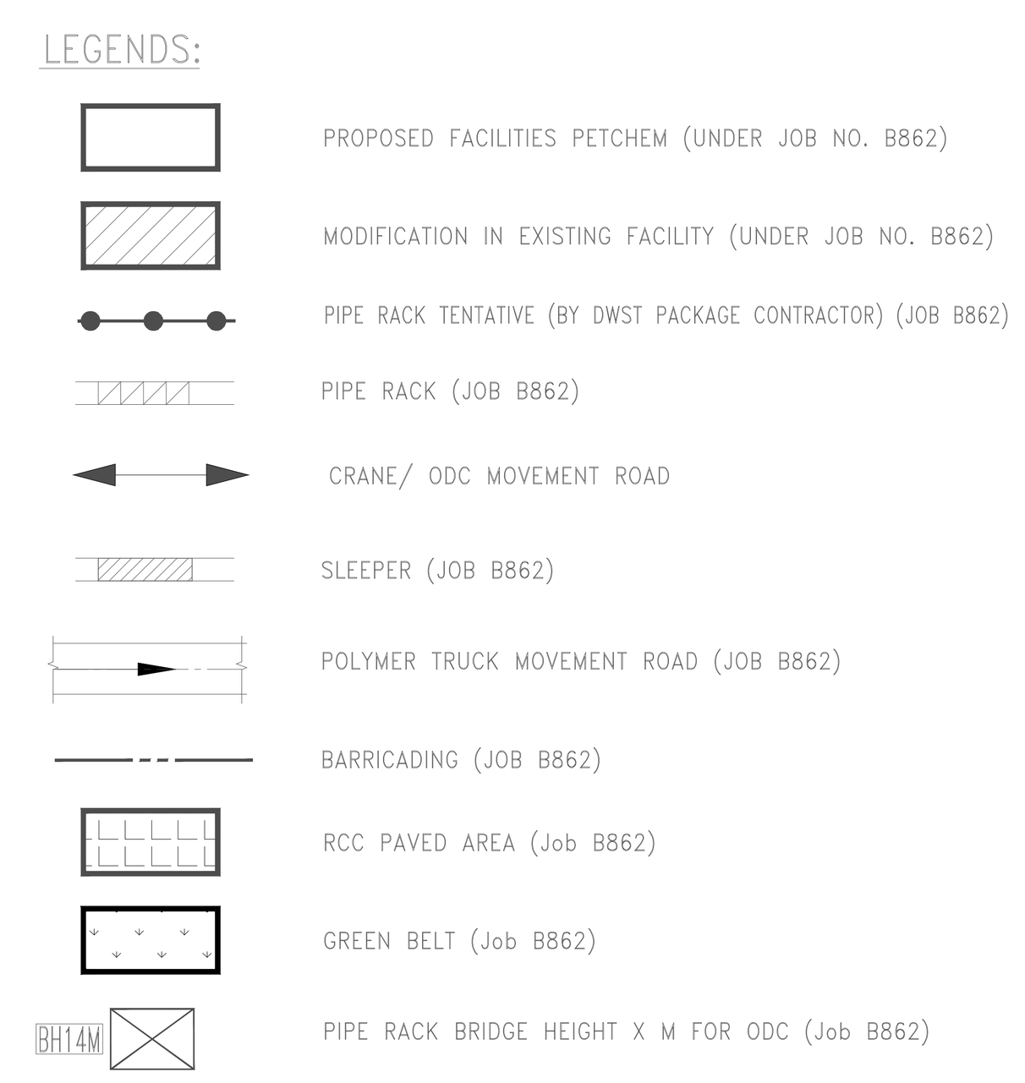


TYPICAL RCC CABLE TRENCH SECTION FOR 66 kV CABLES



TYPICAL LAYOUT OF SCRC

SEE NOTE-4



ERC SCHEDULE AS PER BTH

ERC NOS.	NOS. OF 160 Ø PIPES
ERC-51	3 X 3
ERC-52	3 X 3
ERC-53	3 X 3
ERC-54	3 X 3
ERC-55	3 X 3
ERC-56	3 X 3
ERC-57	3 X 3
ERC-58	3 X 3

ERC SCHEDULE AS PER CTH

ERC NOS.	NOS. OF 160 Ø PIPES
ERC-01	3 X 4
ERC-02	3 X 4
ERC-03	3 X 4
ERC-04	3 X 4
ERC-05	3 X 4
ERC-09	3 X 3
ERC-11	3 X 4
ERC-12	3 X 3
ERC-13	3 X 4
ERC-14	4 X 4
ERC-15	4 X 4
ERC-16	3 X 3
ERC-17	4 X 4
ERC-18	4 X 4
ERC-19	4 X 4
ERC-20	4 X 4
ERC-21	3 X 3
ERC-27	4 X 4
ERC-28	4 X 4
ERC-29	4 X 4

BOX CULVERT

BC NOS.	SIZES
BC-01	2500W X1500D
BC-02	2500W X1500D

REF. DWG. NO.	REFERENCE DRAWING TITLE
B862-000-81-45-00001_G(OPEN)	OVERALL PLOT - PLAN
B862-000-16-50-02011	CONSTRUCTION POWER CABLE, LTG. & EARTHING LAYOUT

NOTES :-

1. FOR GENERAL NOTES OF CABLING SYSTEM REFER DWG. NO. B862-000-16-50-04100.
2. REFER RESPECTIVE CABLE LAYOUT DWG. FOR CONTINUATION OF CABLE LAYOUT DETAILS & ENTRY OF CABLE TRAYS/ TRENCHES TO INDIVIDUAL BUILDINGS/ PROCESS UNITS.
3. ALL CABLE TRAY SUPPORTS ON PIPE RACK/CABLE RACK SHALL BE PROVIDED BY STRUCTURAL DEPT. AND WHEREVER CABLE TRAYS SUPPORTS ARE NOT AVAILABLE, ELECTRICAL CONTRACTOR SHALL PROVIDE CABLE SUPPORTS.
4. ALL ERC, SCRC & CTC SHOWN IN THIS DRAWING SHALL BE INCORPORATED IN CIVIL AREA DRAWINGS PREPARED BY GEN. CIVIL.
5. ERC'S SHALL BE PROVIDED IN NEW APPROACH ROADS WHICHARE NOT SHOWN IN THIS DRAWING BUT REQUIRED AS PER AREA DRAWING.
6. ALL INTERCONNECTING TRENCHES i.e. FROM OFFSITE PIPE RACK TO SUBSTATION, SUBSTATION TO SRR's AND SUBSTATION TO UNIT SHALL BE RCC TRENCHES WITH SAND FILLED.
7. LOCATIONS OF SWS/OWS PUMPS SHOWN ARE INDICATIVE ONLY.
8. SUPPLY, LAYING, TERMINATION & JOINTING (INCLUDING PROVIDING OF ALL ACCESSORIES AS TERMINATION KIT, LINK BOXES ETC.) OF 220KV 220KV CABLE FROM THE EXISTING SWITCHYARD TO MRSS (SS-01) IS IN 220KV CABLE VENDOR SCOPE.
9. SUPPLY, INSTALLATION OF CABLE TRAYS, EARTHING STRIPS IN 220KV RCC TRENCH FROM THE EXISTING SWITCHYARD TO THE BATTERY LIMIT OF MRSS (SS-01) IS IN THE SCOPE OF THE 220KV CABLE VENDOR.
10. SUPPLY OF LINK BOXES FOR 66KV CABLE ARE IN IN SCOPE OF CABLE VENDOR SCOPE. INSTALLATION OF LINK BOXES & EARTHING OF THE SAME SHALL BE BY COMPOSITE CONTRACTOR AS PER FINALIZED BONDING ARRANGEMENT OF 66KV CABLE VENDOR.
11. ALL ERCS INDICATED AS PER ERC SCHEDULE SHALL BE CONSTRUCTED UNDER ENABLING WORK TENDER(TENDER NO. B862-000-81-45-CC-T-8001-0).
12. ROUTE IN EXISTING AREA IS INDICATIVE AND SHALL BE FINALISE/REVISE IN SUBSEQUENT REVISIONS.
13. All ERC AND BTH TAGS WITH THE SUFFIX 'C' ARE SOURCED FROM THE CONSTRUCTION POWER LAYOUT, AND RETAINED IN THE OVERALL CABLE LAYOUT.
14. DROPPINGS OF ALL CABLE TRAYS WILL BE COVER IN SUBSEQUENT REVISION OF OVERALL CABLE LAYOUT.
15. ROUTING FROM EXISTING SS K-1210B TO THE ETHANE PROPANE DRAIN DRUM AS SHOWN, IS BASED ON THE DRAWING PROVIDED BY TOYO, CABLE SHALL BE LAID IN THE SAME TRAY PROVIDED BY M/S TOYO.
16. ALL ERCS INDICATED SHALL BE CONSTRUCTED UNDER ENABLING WORK TENDER (TENDER NO. 862-000-81-45-CC-T-8001-0).

BILL OF MATERIAL

(TENDER NO. B862-000-81-41-CI-T-XXXX-X ELECTRICAL WORKS)
(DOC. NO. B862-000-16-50-CI-SOR-XXXX-X)

TENDER ITEM NO.	DESCRIPTION	UNIT	QTY.
--	STRUCTURAL STEEL	KGS.	1000
--	750 MM WIDE CABLE TRAY	KM	13KM
--	HORIZONTAL BEND-750 MM	NOS.	--
--	VER. BEND OUTSIDE -750MM	NOS.	--
--	VER. BEND INSIDE -750MM	NOS.	--
--	CABLE TRAY TEE-750 MM	NOS.	--
--	EXCAVATION & BACKFILLING	M^3	--
--	STONE DUST	M^3	--
--	BRICKS	M^2	--

LEGEND:-

- ELECTRICAL ROAD CROSSING (ERC)
- ERC-01 — ERC NO. 01 ELECTRICAL ROAD CROSSING
- DIRECTLY BURIED CABLE TRENCH (BTH)
- ELECTRICAL RCC CABLE TRENCH (CTH)
- OVERHEAD ELECTRICAL CABLE TRAYS ON PIPE RACK
- ELECTRICAL CABLE TRAY ON PIPE SLEEPER/ CABLE RACK
- CABLE ON EXISTING TRAY
- CABLE ROUTE PROVIDED BY TOYO.

TENDER NO. :- B862-000-81-41-CI-T-XXXX-X

REV.	DATE	REVISIONS	BY	CHKD	APPD	PM
0	21.08.2025	ISSUED FOR CONSTRUCTION	DG	SP/PK	SA	
B	08.08.2025	ISSUED FOR ENGINEERING	DG	SP/PK	SA	
A	30.12.2024	ISSUED FOR COMMENTS / CO-ORDINATION	RSD	GCS/PK	SA	

इंजीनियर्स इंडिया लिमिटेड (भारत सरकार का उपक्रम) ENGINEERS INDIA LIMITED (A Govt. of India Undertaking)

PETRONET LNG LIMITED
पैट्रोनैट एल एन जी लिमिटेड

पी.एल.एल. दहेज में इथेन एवं प्रौपेन की सुविधा सहित पी.डी.एच.-पी.पी. प्लांट

PDH-PP PLANT WITH ETHANE & PROPANE HANDLING FACILITY AT PLL DAHEJ COMPLEX

सम्पूर्ण केबल लेआउट पीडीएच पीपी परियोजना इथेन सुविधा के साथ निपटाना

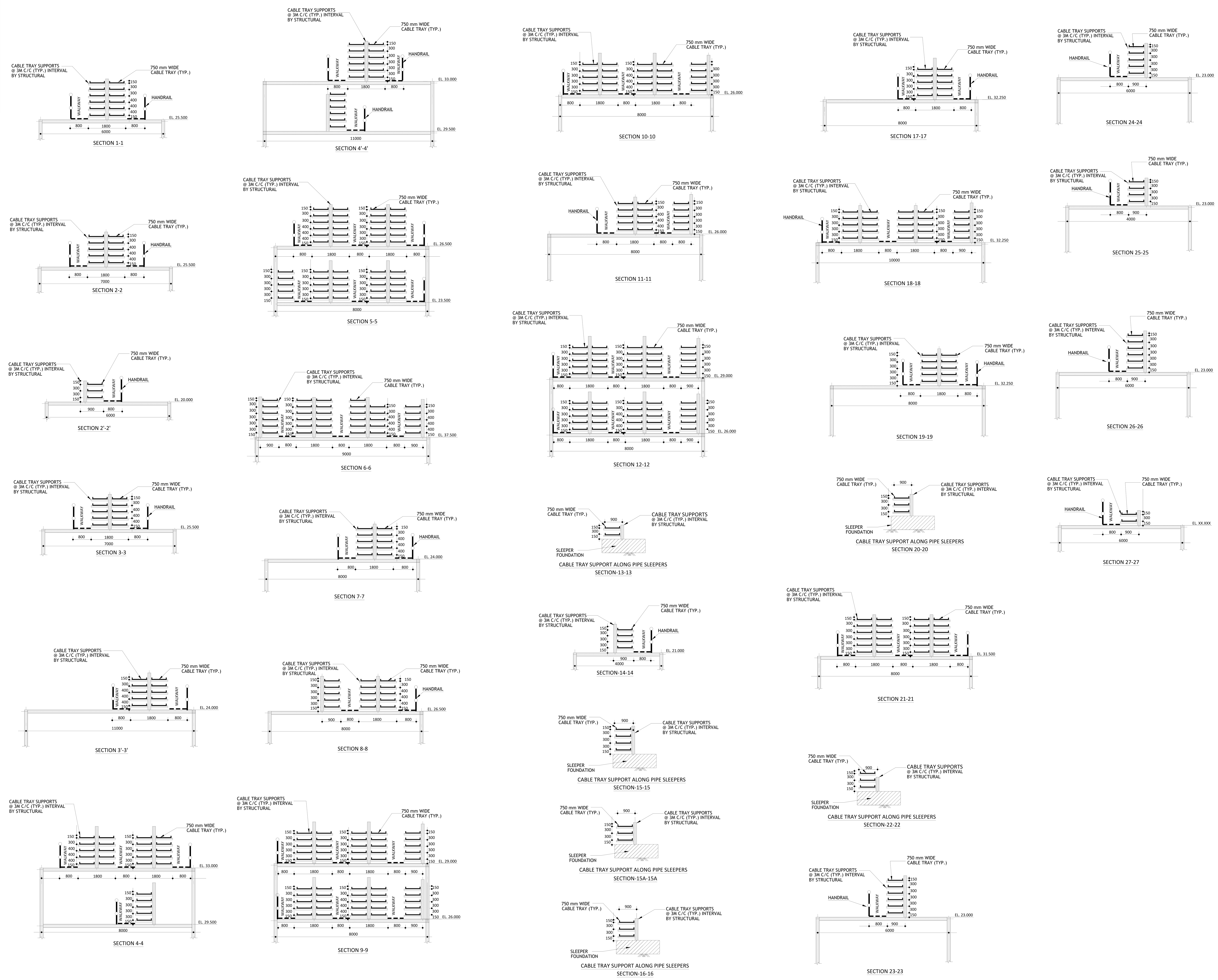
OVERALL CABLE LAYOUT (PDH-PP PLANT WITH ETHANE (& PROPANE HANDLING FACILITY)

SCALE	JOB NO.	UNIT	DIVN.	DEPT.	DWG. NO.	REV.
1:3000	B862	000	16	50	01010	0

SHT-1

B862-000-16-50-0010

SHT-2



REF. DWG. NO.	REFERENCE DRAWING TITLE
B862-000-16-50-01010_SHT-1	OVERALL CABLE LAYOUT - PLAN
B862-000-16-50-02011	CONSTRUCTION POWER CABLE, LTG. & EARTHING LAYOUT

NOTES :-

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NO.-B862-000-16-50-01010 (SHT. 1 OF THIS DRAWING).
2. SUITABLE PEDESTAL/FOUNDATIONS SHALL BE PROVEDED IN BETWEEN SLEEPERS FOR INSTALLATION OF TREE SUPPORTS AT EVERY @3M INTERVALS.

REV.	DATE	REVISIONS	BY	CHKD	APPD	PM
0	21.08.2025	ISSUED FOR CONSTRUCTION	DG	SP/PK	SA	
B	08.08.2025	ISSUED FOR ENGINEERING	DG	SP/PK	SA	
A	31.12.2024	ISSUED FOR COMMENTS / CO-ORDINATION	RSD	GCS/PK	SA	

इंजीनियर्स इंडिया लिमिटेड (भारत सरकार का उपक्रम) ENGINEERS INDIA LIMITED (A Govt. of India Undertaking)

PETRONET LNG LIMITED
पैट्रोनैट एल एन जी लिमिटेड

पी.एल.एल. दहेज में इथेन एवं प्रौपेन की सुविधा सहित पी.डी.एच.–पी.पी. प्लांट

PDH-PP PLANT WITH ETHANE & PROPANE HANDLING FACILITY AT PLL DAHEJ COMPLEX

सम्पूर्ण केबल लेआउट पीडीएच पीपी परियोजना इथेन सुविधा के साथ निपटाना

OVERALL CABLE LAYOUT (PDH-PP PLANT WITH ETHANE (& PROPANE HANDLING FACILITY)

SCALE	JOB NO.	UNIT	DIVN.	DEPT.	DWG. NO.	REV.
1:3000	B862	000	16	50	01010	0

SHT-2

3-1641-0500 REV.3 / 30.12.2019 A0-1189 x 841

B862-000-81-45-00001