FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

ESP-001-11A

DRG. NO.PY-LC-0-M104-2036-02 SH. OF

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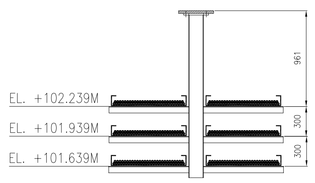
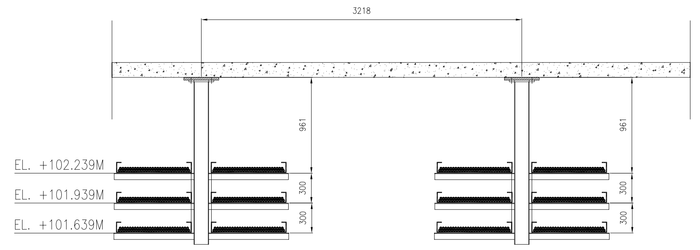
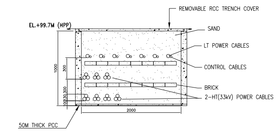
GENERAL DIMENSIONAL LIMITS,FITS & TOLERANCES AS PER HY0230261



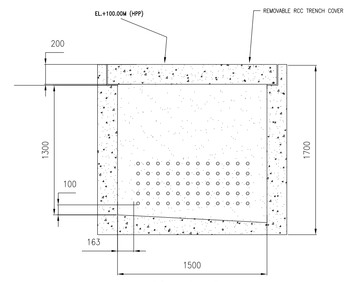
VIEW A-A



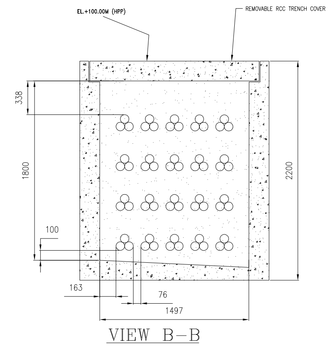
VIEW G-G



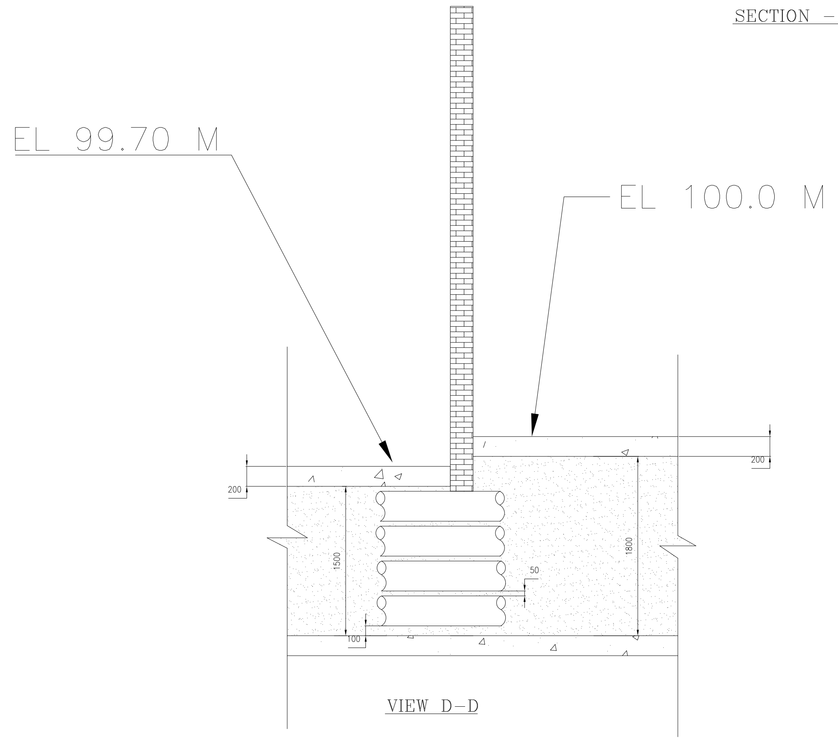
SECTION – E-E



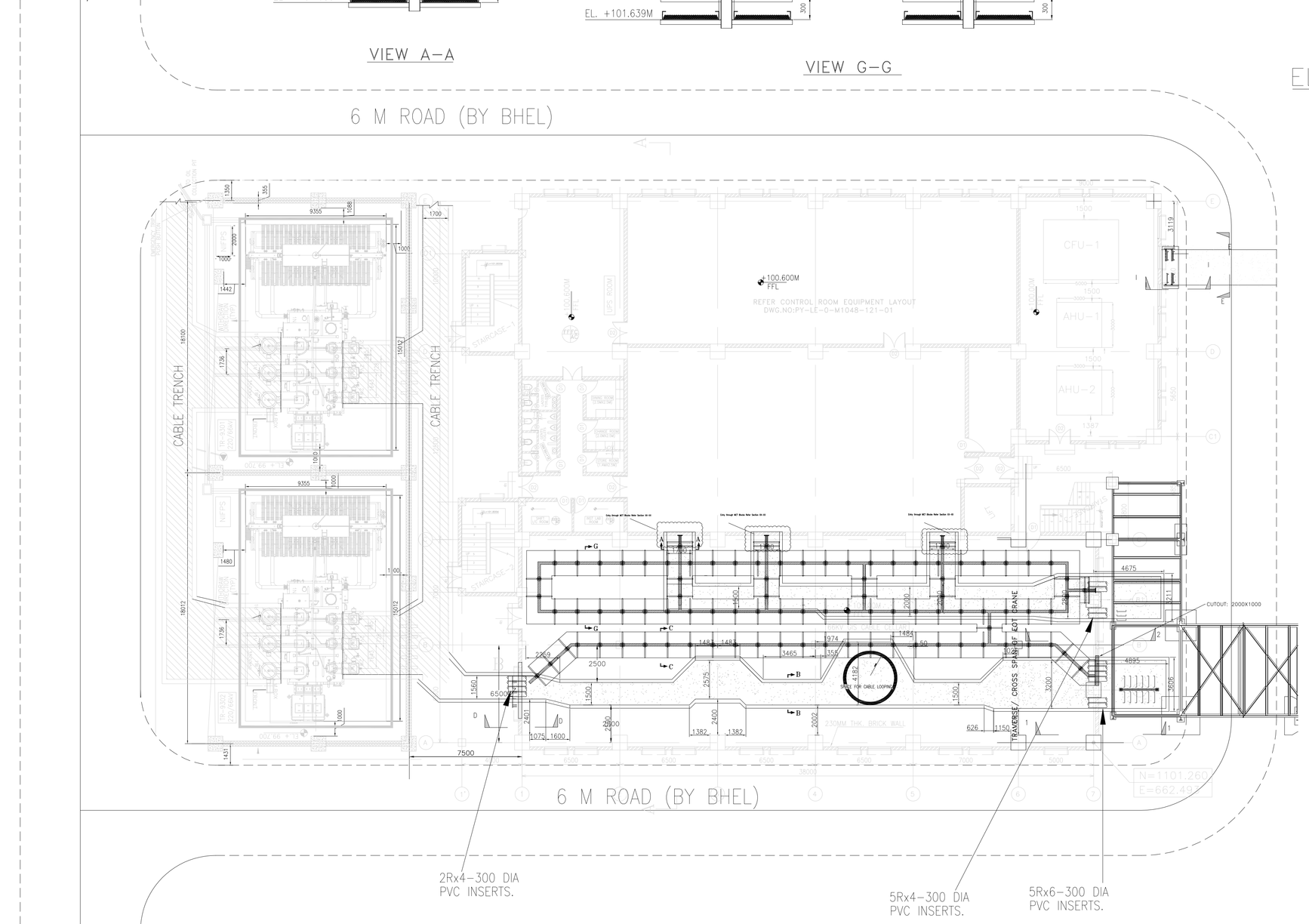
VIEW F-F



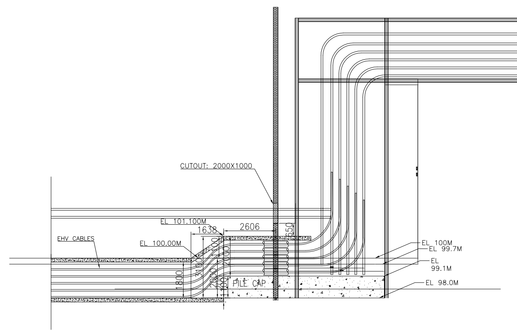
VIEW B-B



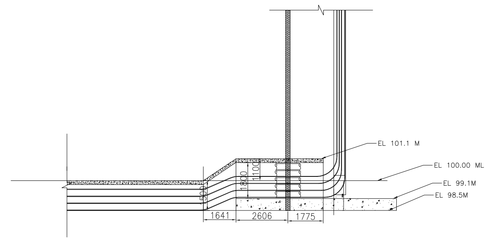
VIEW D-D



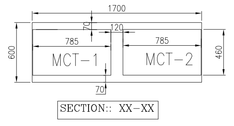
PLAN AT EL.100.000 M LEVEL FOR GIS BUILDING



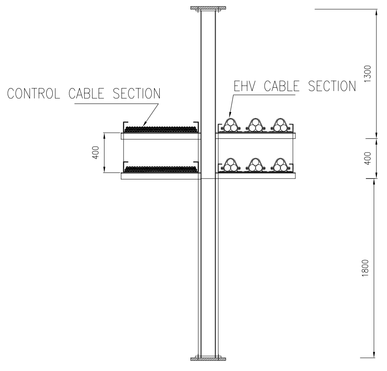
SECTION – 1-1



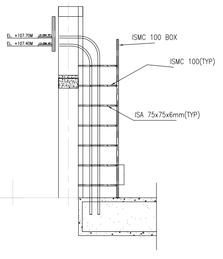
SECTION – 2-2



SECTION:: XX-XX



VIEW C-C



SECTION 1-1

LEGEND:

– GI LADDER/PERF TYPE CABLE TRAY

CABLE TRAY IDENTIFICATION:

1	EL. XXX.XXXM	750

- SIZE OF CABLE TRAY
- ELEVATION OF CABLE TRAY
- SERVICE OF TRAY (1–66kV, 2–33kV, 3–11kV, HT CABLES, 4–LT CABLES, 5–CONTROL CABLES, 6–INSTRUMENT/SIGNAL CABLES)

NOTES:

1. ALL DIMENSIONS ARE IN MM AND ELEVATIONS & CO-ORDINATES ARE IN METRES, UNLESS OTHERWISE SPECIFIED ELSE WHERE IN THIS DRAWING.
2. CABLE ROUTE MAY BE ADJUSTED AT SITE TO SUIT SITE CONDITIONS AND AS PER INSTRUCTION OF SITE ENGINEERS.
3. FOR INSTALLATION DETAILS REFER DOC. NO. PY-DN-4-M104-8908-01- NOTES AND DETAILS OF PLANT CABLE LAYING SYSTEM.
4. THE CABLE TRAYS SHALL BE GI LADDER TYPE AND PERFORATED CABLE TRAY.
5. ALL TRAYS SHALL BE SUPPORTED AT AN INTERVAL OF 1M FOR HORIZONTAL 1M FOR AND VERTICAL.
6. CABLE SHALL BE NEATLY ARRANGED IN THE TRAYS IN SUCH A MANNER THAT CRISS CROSSING IS AVOIDED & FINAL TAKE OFF TO THE MOTOR OR PANEL IS FACILITATED.
7. ALL POWER & CONTROL CABLES SHALL BE HAVING ALUMINIUM CABLE TAGS FOR CABLES ON TRAYS & LEAD TAGS FOR UNDER GROUND CABLES. THESE TAGS SHALL BE FIXED AS EVERY BEND. TERMINATION POINT, BRANCHING POINT FROM A GROUP OF CABLES AND AT EVERY 30 METRES IN STRAIGHT LENGTH.
8. SLEEVES SHALL BE SLANTED IN A WAY TO AVOID WATER INGRESS.

REFERENCE DRAWING:

1. PLOT PLAN, DWG. NO. PY-LQ-0-M104-2001-01
2. OVERALL PLANT CABLE TRAY/TRENCH LAYOUT DWG. NO. PY-LC-0-M104-2001-01
3. SWGR ROOM EQUIPMENT LAYOUT (SS-93), DWG. NO. PY-LE-1-M104-2019-01
5. NOTES AND DETAILS FOR PLANT CABLE LAYING SYSTEM DWG. No. PY-DN-4-M104-8908-01

ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD	03	25/01/21	M GANESH AVS/SP	02	04-10-20	M GANESH AV SURESH
	ZONE			ZONE			ZONE			ZONE			ZONE			ZONE		CROSS SECTIONAL DETAILS AT EL109.6 INCLUDED	ZONE		REVISED INLINE WITH PROGRESSIVE ENGINEERING

REV.	DATE	ALTERED	REV.	DATE	ALTERED
01	19-08-19	MG			KV
ZONE		REVISED AS PER CUSTOMER COMMENTS	ZONE		

PROJECT: CAPTIVE POWER PLANT (CPP) PACKAGE VISAKH REFINERY MODERNIZATION PROJECT (VRMP) JOB NO. B016

OWNER: HINDUSTAN PETROLEUM CORPORATION LIMITED

PMC: ENGINEERS INDIA LIMITED (EIL), NEW DELHI

BHARAT HEAVY ELECTRICALS LTD. HYDERABAD

	NAME	SIGN.	DATE	NO.OF VAR.
DRN.	K.VENKATESH	–SD–	24.09.18	
CHD.	B.NAVEEN	–SD–	24.09.18	
APPD.	J.K.PATTANAIK	–SD–	24.09.18	

DEPT.	UNTOL. DIMS. GR.	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.
PE&SD	~~C/M/F~~			–N.A.–	–N.A.–
CODE. 450					NO.OF ITEMS –N.A.–

TITLE: CABLE CELLAR CABLE TRAY LAYOUT IN SUBSTATION BUILDING SS-93

CARD CODE: N.A.

BHEL DRG NO. PY-LC-0-M104-2036-02

CUST DRG NO.

REV. 03

SHT. No – 1 NO. OF SHT. 4

COMPUTER FILE NAME | REF. DRG. NO. | SIGN. AND DATE | INVENTORY NO

ESP-001-11A