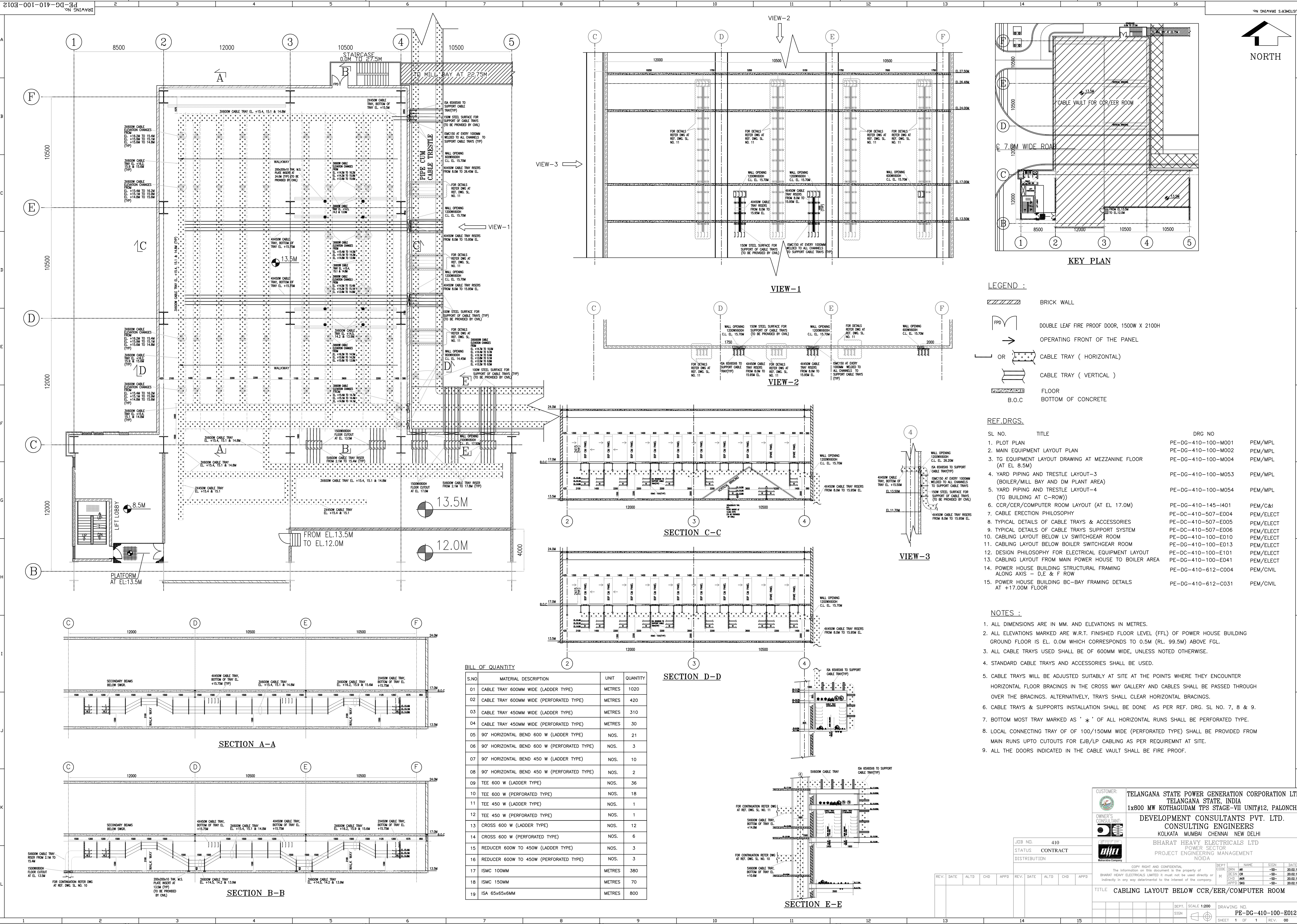
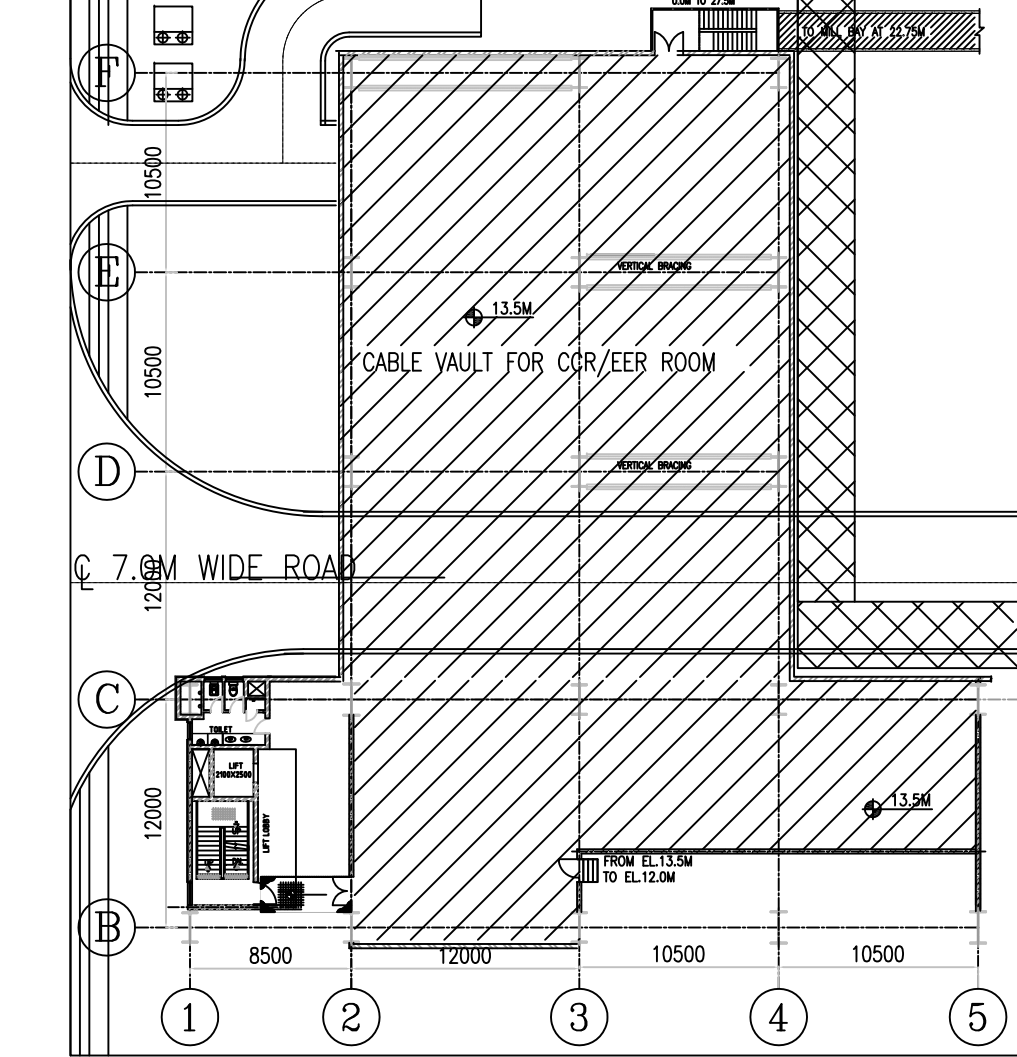




BILL OF QUANTITY			
S.NO	MATERIAL DESCRIPTION	UNIT	QUANTITY
01	CABLE TRAY 600MM WIDE (LADDER TYPE)	METRES	1020
02	CABLE TRAY 600MM WIDE (PERFORATED TYPE)	METRES	420
03	CABLE TRAY 450MM WIDE (LADDER TYPE)	METRES	310
04	CABLE TRAY 450MM WIDE (PERFORATED TYPE)	METRES	30
05	90° HORIZONTAL BEND 600 W (LADDER TYPE)	NOS.	21
06	90° HORIZONTAL BEND 600 W (PERFORATED TYPE)	NOS.	3
07	90° HORIZONTAL BEND 450 W (LADDER TYPE)	NOS.	10
08	90° HORIZONTAL BEND 450 W (PERFORATED TYPE)	NOS.	2
09	TEE 600 W (LADDER TYPE)	NOS.	36
10	TEE 600 W (PERFORATED TYPE)	NOS.	18
11	TEE 450 W (LADDER TYPE)	NOS.	1
12	TEE 450 W (PERFORATED TYPE)	NOS.	1
13	CROSS 600 W (LADDER TYPE)	NOS.	12
14	CROSS 600 W (PERFORATED TYPE)	NOS.	6
15	REDUCER 600W TO 450W (LADDER TYPE)	NOS.	3
16	REDUCER 600W TO 450W (PERFORATED TYPE)	NOS.	3
17	ISMC 100MM	METRES	380
18	ISMC 150MM	METRES	70
19	ISA 65x65x6MM	METRES	800



- LEGEND :
- BRICK WALL
 - DOUBLE LEAF FIRE PROOF DOOR, 1500W X 2100H
 - OPERATING FRONT OF THE PANEL
 - CABLE TRAY (HORIZONTAL)
 - CABLE TRAY (VERTICAL)
 - FLOOR
 - B.O.C

SL. NO.	TITLE	DRG NO	
1.	PLOT PLAN	PE-DG-410-100-M001	PEM/MPL
2.	MAIN EQUIPMENT LAYOUT PLAN	PE-DG-410-100-M002	PEM/MPL
3.	TG EQUIPMENT LAYOUT DRAWING AT MEZZANINE FLOOR (AT EL. 8.5M)	PE-DG-410-100-M004	PEM/MPL
4.	YARD PIPING AND TRESTLE LAYOUT-3 (BOILER/MILL BAY AND DM PLANT AREA)	PE-DG-410-100-M053	PEM/MPL
5.	YARD PIPING AND TRESTLE LAYOUT-4 (TG BUILDING AT C-ROW)	PE-DG-410-100-M054	PEM/MPL
6.	CCR/EER/COMPUTER ROOM LAYOUT (AT EL. 17.0M)	PE-DG-410-145-H401	PEM/C&I
7.	CABLE ERECTION PHILOSOPHY	PE-DC-410-507-E004	PEM/ELECT
8.	TYPICAL DETAILS OF CABLE TRAYS & ACCESSORIES	PE-DC-410-507-E005	PEM/ELECT
9.	TYPICAL DETAILS OF CABLE TRAYS SUPPORT SYSTEM	PE-DC-410-507-E006	PEM/ELECT
10.	CABLING LAYOUT BELOW LV SWITCHGEAR ROOM	PE-DG-410-100-E010	PEM/ELECT
11.	CABLING LAYOUT BELOW BOILER SWITCHGEAR ROOM	PE-DG-410-100-E013	PEM/ELECT
12.	DESIGN PHILOSOPHY FOR ELECTRICAL EQUIPMENT LAYOUT	PE-DC-410-100-E101	PEM/ELECT
13.	CABLING LAYOUT FROM MAIN POWER HOUSE TO BOILER AREA	PE-DG-410-100-E041	PEM/ELECT
14.	POWER HOUSE BUILDING STRUCTURAL FRAMING ALONG AXIS - D-E & F ROW	PE-DG-410-612-C004	PEM/CIVIL
15.	POWER HOUSE BUILDING BC-BAY FRAMING DETAILS AT +17.00M FLOOR	PE-DG-410-612-C031	PEM/CIVIL

- NOTES :
- ALL DIMENSIONS ARE IN MM. AND ELEVATIONS IN METRES.
 - ALL ELEVATIONS MARKED ARE W.R.T. FINISHED FLOOR LEVEL (FFL) OF POWER HOUSE BUILDING GROUND FLOOR IS EL. 0.0M WHICH CORRESPONDS TO 0.5M (RL. 99.5M) ABOVE FGL.
 - ALL CABLE TRAYS USED SHALL BE OF 600MM WIDE, UNLESS NOTED OTHERWISE.
 - STANDARD CABLE TRAYS AND ACCESSORIES SHALL BE USED.
 - CABLE TRAYS WILL BE ADJUSTED SUITABLY AT SITE AT THE POINTS WHERE THEY ENCOUNTER HORIZONTAL FLOOR BRACINGS IN THE CROSS WAY GALLERY AND CABLES SHALL BE PASSED THROUGH OVER THE BRACINGS. ALTERNATIVELY, TRAYS SHALL CLEAR HORIZONTAL BRACINGS.
 - CABLE TRAYS & SUPPORTS INSTALLATION SHALL BE DONE AS PER REF. DRG. SL NO. 7, 8 & 9.
 - BOTTOM MOST TRAY MARKED AS ' * ' OF ALL HORIZONTAL RUNS SHALL BE PERFORATED TYPE.
 - LOCAL CONNECTING TRAY OF OF 100/150MM WIDE (PERFORATED TYPE) SHALL BE PROVIDED FROM MAIN RUNS UPTO CUTOUTS FOR EJB/LP CABLING AS PER REQUIREMNT AT SITE.
 - ALL THE DOORS INDICATED IN THE CABLE VAULT SHALL BE FIRE PROOF.

CUSTOMER:

OWNER'S CONSULTANT:

BHEL

TELANGANA STATE POWER GENERATION CORPORATION LTD
TELANGANA STATE, INDIA
1x800 MW KOTHAGUDAM TPS STAGE-VII UNIT#12, PALONCHA

DEVELOPMENT CONSULTANTS PVT. LTD.
CONSULTING ENGINEERS
KOLKATA MUMBAI CHENNAI NEW DELHI

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NOIDA

JOB NO. 410
STATUS CONTRACT
DISTRIBUTION

REV. DATE ALTD CHD APPD

TITLE
CABLING LAYOUT BELOW CCR/EER/COMPUTER ROOM

DEPT. SCALE 1:200
SIGN

DEPT. NAME SIGN DATE
H DEPT. AR -20-02-16
CHD OR -20-02-16
SUPV. SNG -20-02-16

DRAWING NO. PE-DG-410-100-E012
SHEET 1 OF 1 REV. 00

SIZE-A1