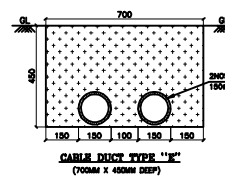
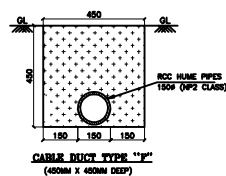
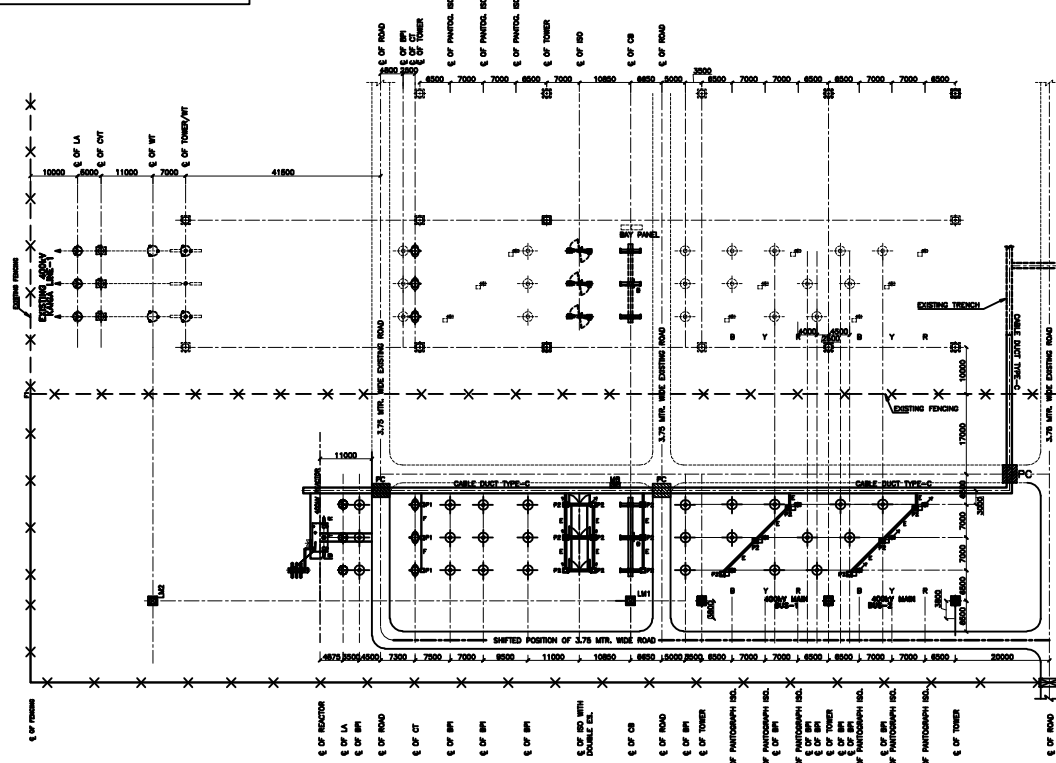


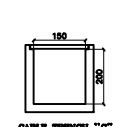
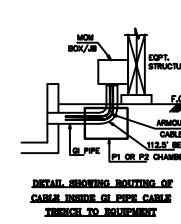
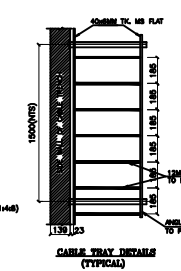
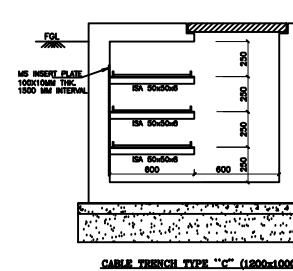
FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)

DRAWING No. TB-2-342-316-007A



CONTROL ROOM BUILDING
20x50 Mts.

- NOTES :-**
1. ALL DIMENSIONS ARE IN MM.
 2. THE LOCATION OF CABLE TRENCHES MARKED IN THIS DWG MAY BE SLIGHTLY MODIFIED TO SUIT SITE CONDITIONS.
 3. OPENINGS FOR TAPPING OUT OF PIPES TO EQUIPMENTS SHALL BE PROVIDED IN CABLE TRENCHES OF SIZE SUITABLE TO DIA. 150 mm PIPE SHALL BE PROVIDED BELOW TOP CABLE SUPPORT.
 4. MB - INDICATES MARSHALLING BOX, PO-INDICATES CULVERT.
 5. MBs SHALL BE PLACED IN THE LOCATION SHOWN EXACT COORDINATES TO BE SUITABLY DECIDED AT SITE.
 6. CABLES SHALL BE LAID IN MULTILAYER ON CABLE TRAYS.
 7. CABLE SUPPORT SHALL BE PROVIDED AT EVERY 1.5m INTERVAL. INSERTS MUST BE EMBEDDED AT EVERY 1.5m INTERVAL FOR FIRING CABLE SUPPORT.
 8. AUXILIARY POWER CABLES SHALL BE LAID IN TOP TRENCHES AND CONTROL CABLES IN BOTTOM TRENCHES.
 9. BURIED CABLES FOR LIGHTING PURPOSES SHALL BE AS PER LIGHTING LAYOUT.
 10. EARTH CONDUCTOR BONDING SHALL BE WELDED ON THE CABLE SUPPORT BEFORE INSTALLATION OF CABLES.
 11. CABLES CROSSING ROAD/RAIL TRACK SHALL BE LAID IN CULVERT.
 12. FOR POWER & CONTROL, SEPARATE PIPES SHALL BE USED CONSIDERING BOX VOD FOR EACH PIPE I.E., 40% FILLING CRITERIA.
 13. --- INDICATES CABLES LAID IN 150 mm DIA. AT DEPTH OF 300mm (MAX) CABLE FROM EQUIPMENT TO CABLE TRENCH SHALL RUN IN 150 mm DIA. PIPES.
 14. MARKED THIS (X) INDICATES CABLE ENTRY/EXIT FROM TRENCH.
 15. ALL OTHER DETAILS PERTAINING TO CIVIL WORKS SHALL BE REFLECTED IN THE RESPECTIVE CIVIL DRAWINGS.
 16. 150 mm DIA. PIPES SHALL BE SECURELY FIXED AT BOTH ENDS, EITHER EMBEDDED IN CONCRETE OR PROTECTIVELY CLAMPED.
 17. AFTER LAYING THE CABLES THE ENDS OF PIPES SHALL BE FULLY SEALED TO PREVENT INGRESS OF WATER INSIDE THE PIPE.
 18. CONTROL CABLES & POWER CABLES MUST BE LAID IN SEPARATE 150 mm DIA. PIPES.
 19. CABLE TRENCH SHALL BE PROVIDED ON MARSHALLING BOX SIDE OF EQUIPMENT.
 20. THE PURPOSE OF TRENCH LAYOUT DRAWING IS FOR USE AS FOLLOWS:
 - TO BE USED AS CIVIL INPUT FOR CABLE TRENCHES.
 - FOR ERECTION OF CABLE RACKS AT SITE.
 - FOR CABLE LAYING AND ROUTING AT SITE.
 21. THE CONTROL & POWER CABLES FROM MAIN DUCT TO RESPECTIVE EQUIPMENTS SHALL BE RUN THROUGH TYPE 'Y' OR TYPE 'Y' DUCT.
 22. ALL EQUIPMENT ENDS, THE 'Y' TYPE DUCTS SHALL BE TERMINATED WITH 'Y' CHAMBER HAVING INNER DIMENSION OF 400x400mm. SIMILARLY THE TYPE 'Y' DUCT SHALL BE TERMINATED WITH 'Y' CHAMBER HAVING INNER DIMENSION OF 400x400mm.
 23. DUCT TYPE 'Y' - 2x150mm DIA.
 24. THE CABLE DUCTS SHALL HAVE PROPER SLOPE FOR DRAINING OF WATER & THEY SHALL BE SUITABLY CONNECTED TO THE DRAINAGE SYSTEM OF THE SWITCHYARD.



REFERENCE DWG.
DWG. NO. TB-2-342-316-002A
DWG. TITLE: DETAILED LAYOUT PLAN FOR PROVIDING BUS REACTOR AT 400/220/33 KV GUTTER STATION

ADDITIONAL INFORMATION W.O.No. 80009	STATUS OF DRAWING
DISTRIBUTION OF PRINTS	REV. DATE ALTERED CHECKED APPROVED
01 10.02.12	MANOJ MM/DRM
REVISD AS PER CUSTOMER COMMENT, DATED-23.01.12	APPROVED RS

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED (INSTALLATION OF 1X63MVAR BUS REACTOR)			
NAME OF CUSTOMER/PROJECT	DATE / NAME	REV. / SIGN.	REV. / DATE
भारत हेवी इलेक्ट्रिकल्स लिमिटेड भारत हेवी इलेक्ट्रिकल्स लिमिटेड TRANSMISSION PROJECTS DIVISION	MANOJ MM/DRM	-SD-	31.10.11
	RS	-SD-	31.10.11
SCALE 1 : 500	CHD CODE		
ड्राइंग. नं./DRAWING NO. TB-2-342-316-007A	पृष्ठ नं./SHEET No. 01	अगला पृष्ठ/NEXT SHEET ---	पृष्ठ नं./SHEET No. 01

REV.	DATE	ALTERED	DATE	ALTERED	DATE	ALTERED	DATE	ALTERED
ZONE		CHECKED	ZONE		CHECKED	ZONE		CHECKED
		APPROVED			APPROVED			APPROVED