FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)

DRAWING No. TB-2-275-316-004

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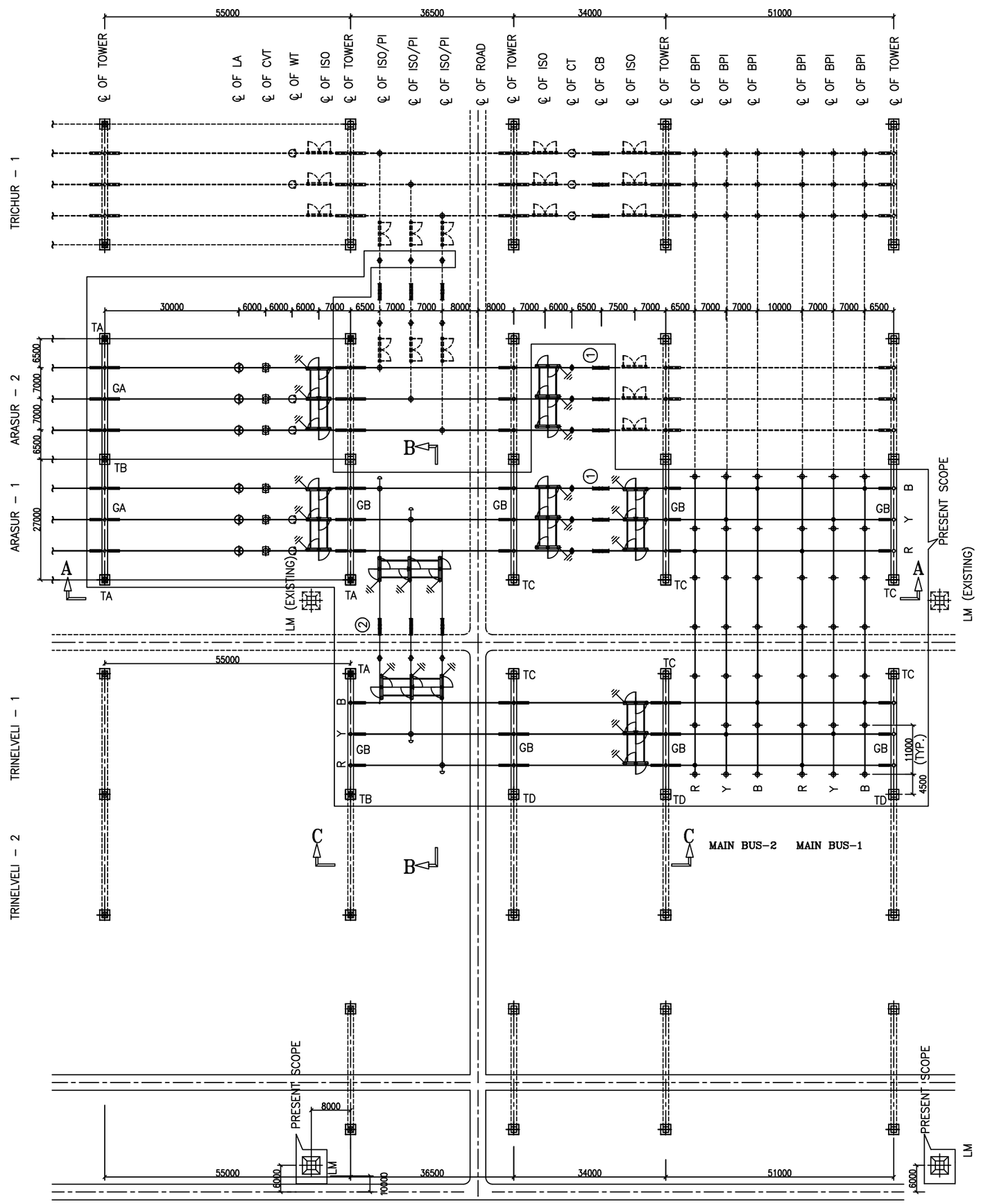
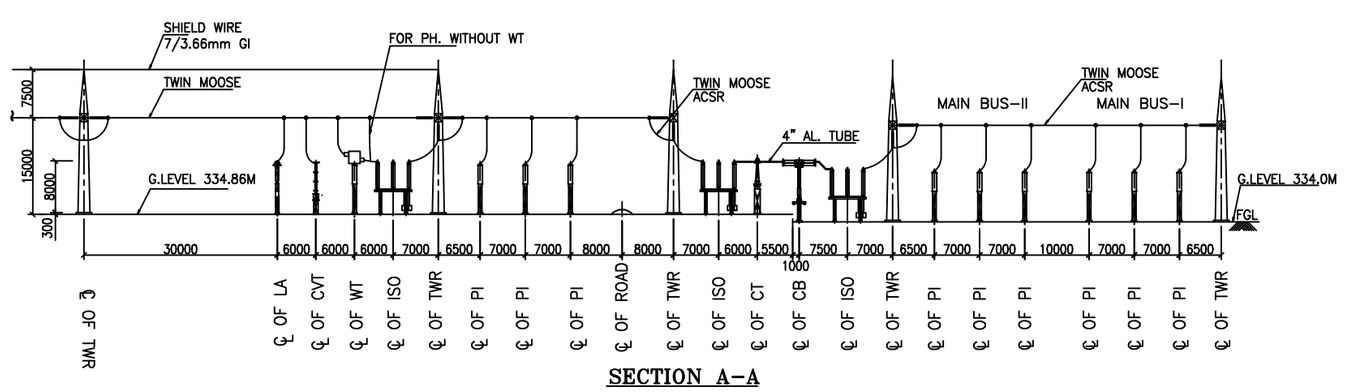
COMPUTER DRG. PATH NAME : 231/SURESH/TOC/MANDAL/UDUMALPET/LAYOUT

REF. DRG. No.

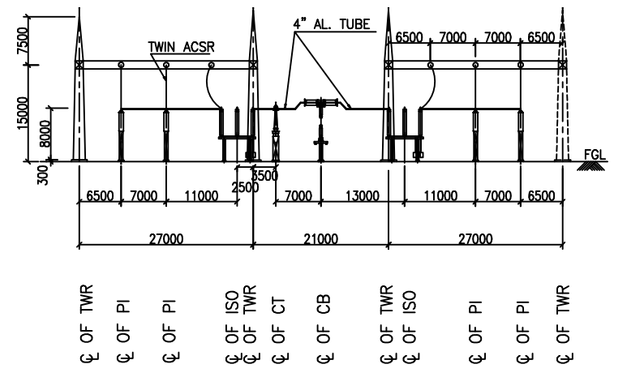
SIGN. & DATE

INVENTORY No.

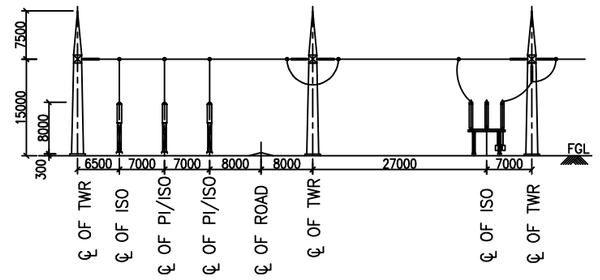




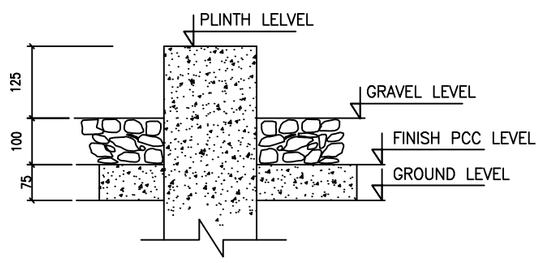
SECTION A-A



SECTION B-B



SECTION C-C



TYPICAL PLINTH LEVEL

BILL OF QUANTITY - 400kV UDUMALPET EXTN.

S.NO.	ITEM DESCRIPTION	SYMBOL	QTY.
1	CIRCUIT BREAKER WITHOUT CR 2000A/40kA/1Sec		2
2	CIRCUIT BREAKER WITH CR 2000A/40kA/1Sec		1
3	CURRENT TRANSFORMER 2000A/40kA WITH 120% EXTENDENDED CURRENT RATING		12
4	CAPACITIVE VOLTAGE TRANSFORMER 420kV/40kA/1Sec.,4400pF		6
5	HORIZONTAL DUBLE BREAK ISOLATOR WITH ONE EARTH SWITCH 2000A/40kA/1Sec		8
6	SURGE ARRESTER, 390kV		6
7	POST INSULATOR		46
8	WAVE TRAP (2000A)		4

MINIMUM CLEARANCE TABLE	400kV
PHASE TO PHASE (PP)	4000
PHASE TO EARTH (PE)	3500
SECTION CLEARANCE (SC)	6500
VERTICAL GROUND CLEARANCE TO NEAREST PART NOT AT EARTH POTENTIAL AN INSULATOR SUPPORTING LIVE CONDUCTOR/EQUIPMENTS	2440
MINIMUM GROUND CLEARANCE (FROM PLINTH LEVEL)	8000

NOTES:-

1. ——— INDICATES SCOPE UNDER THE CONTRACT.
2. - - - - - - INDICATES EXISTING
3. ALL DIMENSIONS ARE IN mm UNLESS SPECIFIED OTHERWISE.
4. CONDUCTOR DETAILS:
   a) MAIN BUS-I & II 4" IPS AL.TUBE
   b) ALL EQUIPMENT CONNECTION - 4" IPS AL. TUBE
   d) STRINGING WITH TWIN MOOSE CONDUCTOR.
5. LIGHTNING PROTECTION SHALL BE WITH LIGHTNING MAST AND SHIELD WIRE.
6. PLINTH LEVEL 300mm ABOVE FGL.
7. GRAVEL LEVEL 100mm ABOVE PCC LEVEL.

TB-2-275-510-002	SINGLE LINE DIAGRAM
DRAWING NO.	DESCRIPTION

LOA NO. C-55803-S119A-7/LOA-I/1986 and C-55803-S119A-7/LOA-II/1987 dated 10.03.2006.

ADDITIONAL INFORMATION
W.O.No.

STATUS OF DRAWING **CONTRACT**

DISTRIBUTION OF PRINTS

ग्राहक/परियोजना का नाम NAME OF CUSTOMER/PROJECT: **POWER GRID CORPORATION OF INDIA LIMITED**
400kV SWITCH YARD AT UDUMALPET SUBSTATION

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
ट्रांसमिशन परियोजना विभाग
BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION PROJECTS DIVISION

	नाम /NAME	हस्ता./SIGN.	दि./DATE
बनाया DRAWN	HONEY		04.08.06
जाँचा CHECKED	RJ/DKM/MK		
स्वीकृत APPROVED	S.NAYAR		

विभाग DEPT. TBEM
कोड CODE 422
अनुपात / SCALE 1 : 900
कार्ड कोड CARD CODE

शीर्षक/TITLE
LAYOUT PLAN FOR & SECTION ELEVATION FOR 400kV S/S AT UDUMALPET

ड्राईग.क./DRAWING NO. TB-2-275-316-004
पुनः/REV. 01
पृष्ठ क./SHEET No. 01
अगला पृष्ठ/NEXT SHEET _

REV.	DATE	ALTERED / CHECKED / APPROVED	ZONE
			TC TD
01	04.10.06	ALTERED JOGINDER / CHECKED / APPROVED	REVISED AS PER CUSTOMER DATED 27.09.06

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