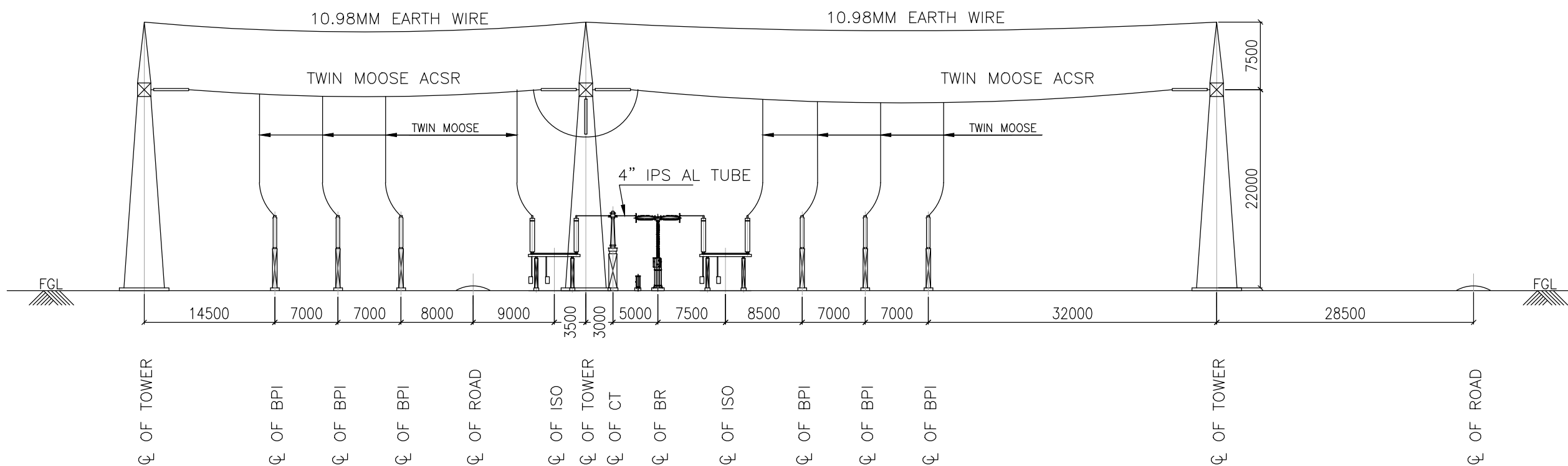
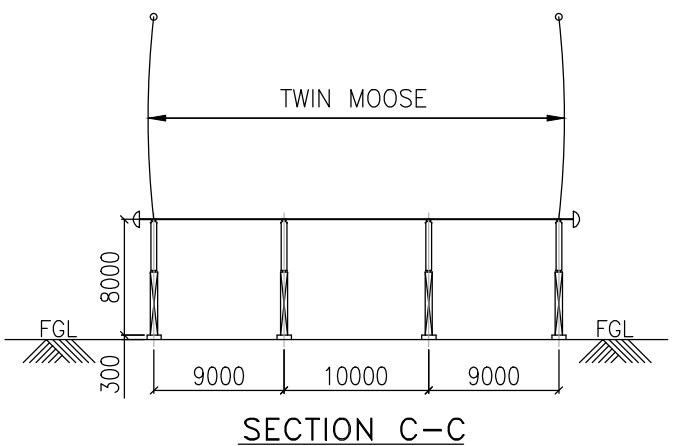
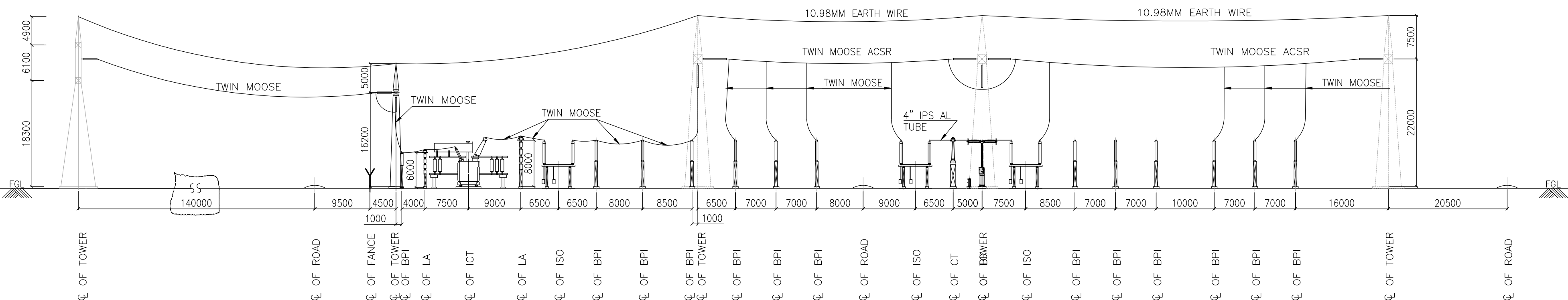


FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)



SECTION A-A



SECTION B-B

SYSTEM PARAMETERS:

S.NO.	DESCRIPTION	400KV
01	SYSTEM OPERATING VOLTAGE	400kv
02	MAXIMUM OPERATING VOLTAGE OF THE SYSTEM (rms)	420kv
03	RATED FREQUENCY	50Hz
04	FULL WAVE IMPULSE WITHSTAND VOLTAGE (1.2/50 MICROSES.)	1550kv
05	SWITCHING IMPULSE WITHSTAND VOLTAGE (250/2500 MICRO SEC.) DRY AND WRT	1050kv
06	ONE MINUTE POWER FREQUENCY DRY WITHSTAND VOLTAGE (rms)	630kv
07	ONE MINUTE POWER FREQUENCY DRY AND WET WITHSTAND VOLTAGE (rms)	--
08	CORONA EXTINCTION VOLTAGE	320kv
09	MAX. RADIO INTERFERENCE VOLRAGE FOR FREQUENCY BETWEEN 0.5 MHz AND 2 MHz	1000µV AT 266kv rms
10	MINIMUM CREEPAGE DISTANCE-FOR EQUIPMENT OTHER THAN INSULATOR STRING	10500mm
11	SYSTEM FAULT LEVEL	40ka FOR 1 SEC
12	MINIMUM CLEARANCE PHASE TO PHASE	4000/4200mm
13	MINIMUM CLEARANCE PHASE TO EARTH	3500mm
14	SECTIONAL CLEARANCES OTHER THAN INSULATOR STRING	6500mm

LEGENDS:-

_____	PRESENT SCOPE
_____	EXISTING / FUTURE

CONDUCTOR & STRINGING DETAILS -400kv:

SL.NO.	DESCRIPTION	LEVEL FROM PLINTH	SUB-CONDUCTOR	TENSION INSULATOR STRING/PHASE
1.	MAIN BUS-I & II	(AT 8M HEIGHT)	4" IPS AL. TUBE	
2.	JACKBUS	(AT 22M HEIGHT)	TWIN MOOSE ACSR CONDUCTOR WITH 450MM SUB-CONDUCTOR SPACING	DOUBLE TENSION STRING-120kN POLYMER STRING INSULATOR
3.	DROPPERS/JUMPERING	-	TWIN MOOSE ACSR CONDUCTOR WITH 450MM SUB-CONDUCTOR SPACING	SINGLE SUSPENSION STRING-120kN POLYMER STRING INSULATOR
4.	EQUIPMENT INTERCONNECTION	(AT 8M HEIGHT)	4" IPS AL. TUBE / TWIN ACSR MOOSE CONDUCTOR WITH 450MM SPACING	

REF. DRAWING:											
DWG. NO.				TITLE							
2931-000-T-E-A-003				SWITCHYARD FOUNDATION LAYOUT							
TCE-D57-739-GL-3003				400/220KV SWITCHYARD-EARTHING LAYOUT							
NOA NO. : CC-CS/901-WR2/SS-3931/3/G3/NOA-I/8864 & 8865 DT. 29.07.19											
ADDITIONAL INFORMATION W.O.No. 119TB00001				ग्राहक/परियोजना का नाम POWER GRID CORPORATION OF INDIA LIMITED NAME OF CUSTOMER/PROJECT							
				Substation Package-SS19 for extension of (i) 765kV Solapur S/S; (ii) 765kV Aurangabad S/S; (iii) 765kV Wardha S/S; (iv) 400kV Khandwa S/S; (v) 400kV Rajgarh S/S; (vi) 400kV Champa S/S; (vii) 400/220kV Itarsi S/S & (viii) 400/220kV Jabalpur Substation under WRSS-20.							
STATUS OF DRAWING				CONTRACT							
DISTRIBUTION OF PRINTS				ग्राहक/परियोजना का नाम POWER GRID CORPORATION OF INDIA LIMITED NAME OF CUSTOMER/PROJECT							
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