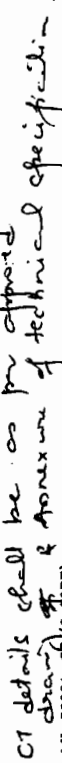


**List of Drawings - 400/220kV Tumkur(Pavagada) S/s Extn.**

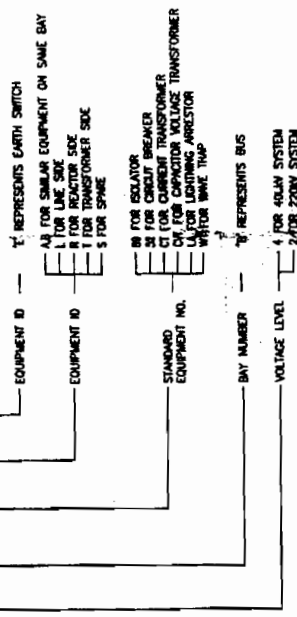
SI No	Doc No.	Document Details
1	TB-0-393-316-001	Single Line Diagram for 400/220kV Tumkur(Pavagada) S/s Extn.
2	TB-0-393-316-002 (Sheet-1/2)	Layout Plan for 400/220kV Tumkur(Pavagada) S/s Extn.
3	TB-0-393-316-002 (Sheet-2/2)	Section Elevation for 400/220kV Tumkur(Pavagada) S/s Extn.

----- UNDER PHASE-I -----



SCHEDULE OF EQUIPMENT (220KV)					
S.NO.	DISCRPTION	SYMBOL	QTY	DESIGN	MARK
1	245KV 1600A 40MVA CIRCUIT BREAKER (3-PH)	C	02	52	
2	245KV 1800A 40MVA HOB SOLATOR WITH 2 E/S (3-PH)	$\frac{1}{2}$	02	89	
3	245KV 1800A 40MVA HOB SOLATOR WITH 1 E/S (3-PH)	$\frac{1}{2}$	02	89	
4	245KV 1800A 40MVA HOB SOLATOR TANDEM WITH-OUT E/S (3-PH)	$\frac{1}{2}$	04	88	
5	245KV 1800V/1A, 5 CORE, 40MVA/CT (1-PH)WITH 120% EXTENDED CURRENT RATING	$\frac{1}{2}$	06	CT	EB-EL
6	210KV SURGE ARRESTER (1-PH)	—	06	LA	

**EQUIPMENT IDENTIFICATION:-**



NOTES:-

1. SYSTEM 50MA/1% (FOR 400V) & 40MA/1% (FOR 220V), 50 Hz, 3 PH., EFFECTIVELY EARTHED.
2. INDICATED CT/CVT PARAMETERS ARE AS PER POWERGRID SPECIFICATION.
3. CSD FOR THE CB OF DIAMETER (CT/4 - 1E - 9/A) SHALL BE SUITABLE FOR DUAL OPERATION AT SUITABLE FOR CT & BUS REACTOR SWITCHING.

REF. DWG.:-  
TUNERS SIA FTS 400/220W TINKLER POOLING STN.

245 kV - 1800A CT (5 COB2)									
No.	Current Ratio	Turns	Winding	Barrels	Min spw (V)	Max Bkt in Chrm	Max in at 12V	Purpose	
1	1800-800/1	PS	-	1800-800	25-50			BUS DIFF CHECK	
2	1800-800/1	PS	-	1800-800	25-50			BUS DIFF MAIN	
3	1800-800/1	0.25	20	-	-			METERING	
4	1800-800/1	PS	-	1800-800	25-50			TRANS. BACKUP/LINE MAIN-2	
5	1800-800/1	PS	-	1800-800	25-50			TRANS. BACKUP/LINE MAIN-1	

245 kV - 1800A CT (5 COB2)									
No.	Current Ratio	Turns	Winding	Barrels	Min spw (V)	Max Bkt in Chrm	Max in at 12V	Purpose	
1	1800-800/1	PS	-	1800-800	25-50			BUS DIFF CHECK	
2	1800-800/1	PS	-	1800-800	25-50			BUS DIFF MAIN	
3	1800-800/1	0.25	20	-	-			METERING	
4	1800-800/1	PS	-	1800-800	25-50			TRANS. BACKUP/LINE MAIN-2	
5	1800-800/1	PS	-	1800-800	25-50			TRANS. BACKUP/LINE MAIN-1	

[illegible]

Line	Qty	Unit	Material	Description	Unit Price	Amount	Material	Description	Unit Price	Amount	Material	Description	Unit Price	Amount	Material	Description	Unit Price	Amount
1	1000	EA	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00
2	1000	EA	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00
3	1000	EA	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00
4	1000	EA	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00
5	1000	EA	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00	1000-800/1	1000-800/1	1.00	1000.00

[illegible]

Technical drawing of a road layout for "SPACE PORT" station. The drawing is oriented vertically with stationing increasing from top to bottom.

**Top Section (Station 1+000 to 1+200):**

- Labels: "SPACE PORT", "TERRAIN-A", "TCL = (+) 1554.30M".
- Annotations: "ENTREE AIN", "B/C LINE", "Ligne de profil", "Ligne de relief", "Ligne de nivellement", "Ligne de cote", "Ligne de nivellement", "Ligne de cote", "Ligne de nivellement", "Ligne de cote".
- Stationing: 1+000, 1+100, 1+200.

**Middle Section (Station 1+200 to 1+400):**

- Labels: "TERRAIN-C", "TCL = (+) 1550.50M".
- Annotations: "ENTREE AIN", "B/C LINE", "Ligne de profil", "Ligne de relief", "Ligne de nivellement", "Ligne de cote", "Ligne de nivellement", "Ligne de cote".
- Stationing: 1+200, 1+300, 1+400.

**Bottom Section (Station 1+400 to 1+600):**

- Labels: "TERRAIN-C", "TCL = (+) 1550.50M".
- Annotations: "ENTREE AIN", "B/C LINE", "Ligne de profil", "Ligne de relief", "Ligne de nivellement", "Ligne de cote", "Ligne de nivellement", "Ligne de cote".
- Stationing: 1+400, 1+500, 1+600.

**Right Side (Vertical Axis):**

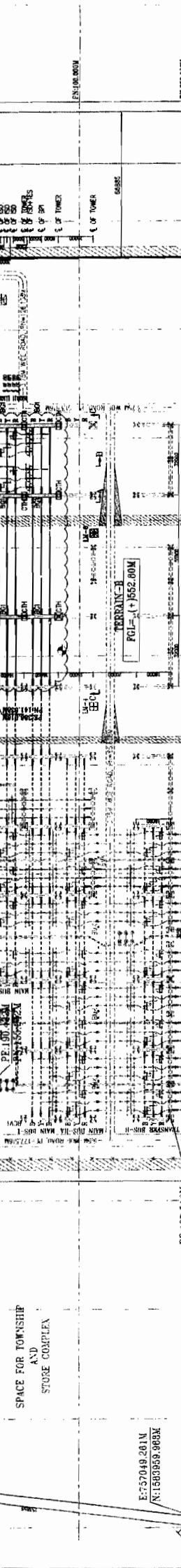
- Labels: "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z", "AA", "AB", "AC", "AD", "AE", "AF", "AG", "AH", "AI", "AJ", "AK", "AL", "AM", "AN", "AO", "AP", "AQ", "AR", "AS", "AT", "AU", "AV", "AW", "AX", "AY", "AZ", "BA", "BB", "BC", "BD", "BE", "BF", "BG", "BH", "BI", "BJ", "BK", "BL", "BM", "BN", "BO", "BP", "BQ", "BR", "BS", "BT", "BU", "BV", "BW", "BX", "BY", "BZ", "CA", "CB", "CC", "CD", "CE", "CF", "CG", "CH", "CI", "CJ", "CK", "CL", "CM", "CN", "CO", "CP", "CQ", "CR", "CS", "CT", "CU", "CV", "CW", "CX", "CY", "CZ", "DA", "DB", "DC", "DD", "DE", "DF", "DG", "DH", "DI", "DJ", "DK", "DL", "DM", "DN", "DO", "DP", "DQ", "DR", "DS", "DT", "DU", "DV", "DW", "DX", "DY", "DZ", "EA", "EB", "EC", "ED", "EE", "EF", "EG", "EH", "EI", "EJ", "EK", "EL", "EM", "EN", "EO", "EP", "EQ", "ER", "ES", "ET", "EU", "EV", "EW", "EX", "EY", "EZ", "FA", "FB", "FC", "FD", "FE", "FF", "FG", "FH", "FI", "FJ", "FK", "FL", "FM", "FN", "FO", "FP", "FQ", "FR", "FS", "FT", "FU", "FV", "FW", "FX", "FY", "FZ", "GA", "GB", "GC", "GD", "GE", "GF", "GG", "GH", "GI", "GJ", "GK", "GL", "GM", "GN", "GO", "GP", "GQ", "GR", "GS", "GT", "GU", "GV", "GW", "GX", "GY", "GZ", "HA", "HB", "HC", "HD", "HE", "HF", "HG", "HH", "HI", "HJ", "HK", "HL", "HM", "HN", "HO", "HP", "HQ", "HR", "HS", "HT", "HU", "HV", "HW", "HX", "HY", "HZ", "IA", "IB", "IC", "ID", "IE", "IF", "IG", "IH", "II", "IJ", "IK", "IL", "IM", "IN", "IO", "IP", "IQ", "IR", "IS", "IT", "IU", "IV", "IW", "IX", "IY", "IZ", "JA", "JB", "JC", "JD", "JE", "JF", "JG", "JH", "JI", "JJ", "JK", "JL", "JM", "JN", "JO", "JP", "JQ", "JR", "JS", "JT", "JU", "JV", "JW", "JX", "JY", "JZ", "KA", "KB", "KC", "KD", "KE", "KF", "KG", "KH", "KI", "KJ", "KK", "KL", "KM", "KN", "KO", "KP", "KQ", "KR", "KS", "KT", "KU", "KV", "KW", "KX", "KY", "KZ", "LA", "LB", "LC", "LD", "LE", "LF", "LG", "LH", "LI", "LJ", "LK", "LL", "LM", "LN", "LO", "LP", "LQ", "LR", "LS", "LT", "LU", "LV", "LW", "LX", "LY", "LZ", "MA", "MB", "MC", "MD", "ME", "MF", "MG", "MH", "MI", "MJ", "MK", "ML", "MM", "MN", "MO", "MP", "MQ", "MR", "MS", "MT", "MU", "MV", "MW", "MX", "MY", "MZ", "NA", "NB", "NC", "ND", "NE", "NF", "NG", "NH", "NI", "NJ", "NK", "NL", "NM", "NN", "NO", "NP", "NQ", "NR", "NS", "NT", "NU", "NV", "NW", "NX", "NY", "NZ", "OA", "OB", "OC", "OD", "OE", "OF", "OG", "OH", "OI", "OJ", "OK", "OL", "OM", "ON", "OO", "OP", "OQ", "OR", "OS", "OT", "OU", "OV", "OW", "OX", "OY", "OZ", "PA", "PB", "PC", "PD", "PE", "PF", "PG", "PH", "PI", "PJ", "PK", "PL", "PM", "PN", "PO", "PP", "PQ", "PR", "PS", "PT", "PU", "PV", "PW", "PX", "PY", "PZ", "QA", "QB", "QC", "QD", "QE", "QF", "QG", "QH", "QI", "QJ", "QK", "QL", "QM", "QN", "QO", "QP", "QQ", "QR", "QS", "QT", "QU", "QV", "QW", "QX", "QY", "QZ", "RA", "RB", "RC", "RD", "RE", "RF", "RG", "RH", "RI", "RJ", "RK", "RL", "RM", "RN", "RO", "RP", "RQ", "RR", "RS", "RT", "RU", "RV", "RW", "RX", "RY", "RZ", "SA", "SB", "SC", "SD", "SE", "SF", "SG", "SH", "SI", "SJ", "SK", "SL", "SM", "SN", "SO", "SP", "SQ", "SR", "SS", "ST", "SU", "SV", "SW", "SX", "SY", "SZ", "TA", "TB", "TC", "TD", "TE", "TF", "TG", "TH", "TI", "TJ", "TK", "TL", "TM", "TN", "TO", "TP", "TQ", "TR", "TS", "TT", "TU", "TV", "TW", "TX", "TY", "TZ", "UA", "UB", "UC", "UD", "UE", "UF", "UG", "UH", "UI", "UJ", "UK", "UL", "UM", "UN", "UO", "UP", "UQ", "UR", "US", "UT", "UU", "UV", "UW", "UX", "UY", "UZ", "VA", "VB", "VC", "VD", "VE", "VF", "VG", "VH", "VI", "VJ", "VK", "VL", "VM", "VN", "VO", "VP", "VQ", "VR", "VS", "VT", "VU", "VV", "VW", "VX", "VY", "VZ", "WA", "WB", "WC", "WD", "WE", "WF", "WG", "WH", "WI", "WJ", "WK", "WL", "WM", "WN", "WO", "WP", "WQ", "WR", "WS", "WT", "WU", "WV", "WW", "WX", "WY", "WZ", "XA", "XB", "XC", "XD", "XE", "XF", "XG", "XH", "XI", "XJ", "XK", "XL", "XM", "XN", "XO", "XP", "XQ", "XR", "XS", "XT", "XU", "XV", "XW", "XX", "XY", "XZ", "YA", "YB", "YC", "YD", "YE", "YF", "YG", "YH", "YI", "YJ", "YK", "YL", "YM", "YN", "YO", "YP", "YQ", "YR", "YS", "YT", "YU", "YV", "YW", "YX", "YY", "YZ", "ZA", "ZB", "ZC", "ZD", "ZE", "ZF", "ZG", "ZH", "ZI", "ZJ", "ZK", "ZL", "ZM", "ZN", "ZO", "ZP", "ZQ", "ZR", "ZS", "ZT", "ZU", "ZV", "ZW", "ZX", "ZY", "ZZ".

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MAIN BUS  
REINFORCE  
1:50

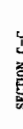
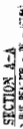
[illegible]

Technical drawing of a building floor plan, oriented vertically. The plan shows a complex arrangement of rooms, corridors, and structural elements. Key features include:

- Rooms and Spaces:** Various rectangular and irregular shapes representing different functional areas, some labeled with numbers (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).
- Corridors and Passages:** Narrow, winding paths connecting the various rooms and spaces.
- Structural Elements:** Walls, doors, and other architectural details are indicated by lines and symbols.
- Scale Bar:** Located at the bottom left, showing a length of 10 meters.
- Orientation:** The drawing is oriented vertically, with the top of the plan at the top of the page.

[illegible]

DRAWING No. **T9-0-393-316-202**

[illegible]