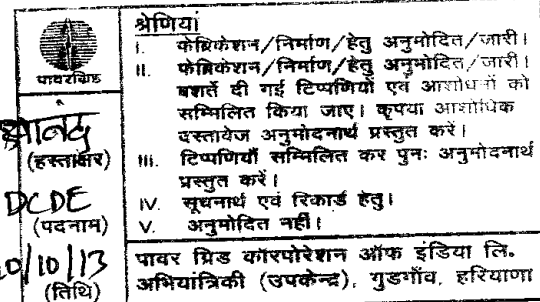


PRESENT SCOPE



420kV CAPACITIVE VOLTAGE TRANSFORMERS (4400pF/8800pF)				
S.NO.	PARTICULAR			
		SECOND-DARY-I	SECOND-DARY-II	SECOND-DARY-III
1	VOLTAGE RATIO	400/0.11	400/0.11	400/0.11
2	APPLICATION	PROTECTION	PROTECTION	METERING
3	ACCURACY	3 P	3 P	0.2
4	OUTPUT BURDEN (VA) (MINIMUM)	50	50	50

Core No.	Current Ratio	Accuracy Class	Output Burden VA	Min kVp (V)	Max RCT in Ohms	Max Im at kVp (mA)	Purpose
1	3000-2000-500/1	PS	20	3000-2000-500	15-10-2.5	20-30-120	BUS DIFF. CHECK
2	3000-2000-500/1	PS	20	3000-2000-500	15-10-2.5	20-30-120	BUS DIFF. MAIN
3	3000-2000-500/1	0.2S	20	3000-2000-500	15-10-2.5	20-30-120	METERING
4	3000-2000-500/1	PS	20	3000-2000-500	15-10-2.5	20-30-120	TRANS. BACKUP/LINE PROT N
5	3000-2000-500/1	PS	20	3000-2000-500	15-10-2.5	20-30-120	TRANS. DIFF./LINE PROT N

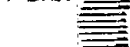
NOA NO: CC-CS/380-SR2/SS-2049/3/G4/NOA-I/4713 DTD. 28.06.2013
CC-CS/380-SR2/SS-2049/3/G4/NOA-II/4714 DTD. 28.06.2013

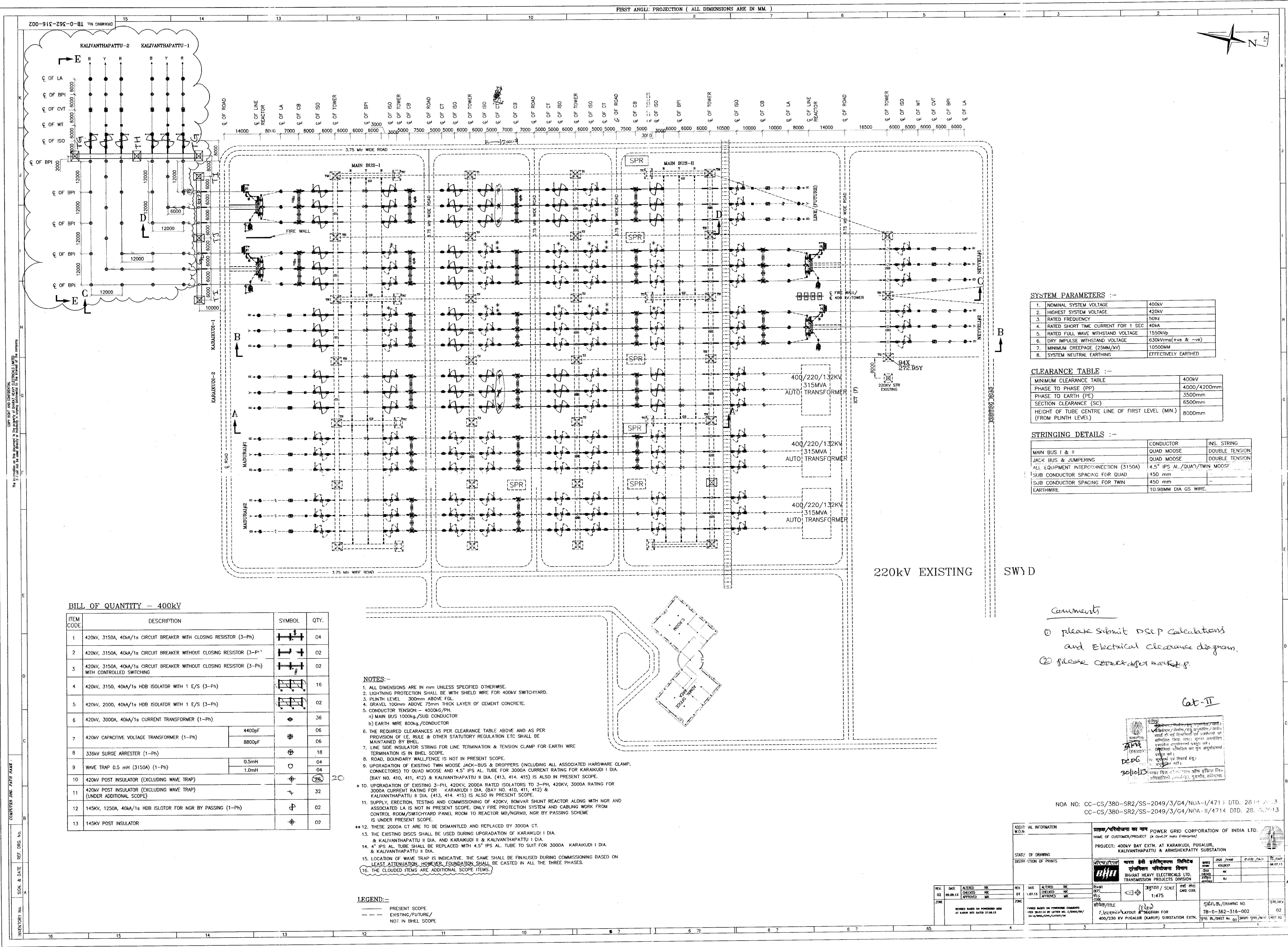
- 1) UPGRADATION OF EXISTING TWIN MOOSE JACK-BUS & DROPPERS (INCLUDING ALL ASSOCIATED HARDWARE CLAMP, CONNECTORS) TO QU A) MOOSE FOR 3000A CURRENT RATING FOR KARAUKUDI I DIA. (BAY NO. 410, 411, 412) & KALIVANTHAPATTU II DIA. (413, 414, 415) IS ALSO IN PRESENT SCOPE. COMPLETE DIA (BUS-I TO BUS-II) SHALL BE MADE SUITABLE FOR 3150A.
- * 2) UPGRADATION OF EXISTING 3-PH, 420KV, 2000A^{*} RATED ISOLATORS TO 3-PH, 420KV, 3000A RATING FOR 3000A CURRENT RATING FOR KARAUKUDI I DIA. (BAY NO. 410, 411, 412) & KALIVANTHAPATTU II DIA. (413, 414, 415) IS ALSO IN PRESENT SCOPE.
- 3) SUPPLY, ERECTION, TESTING AND COMMISSIONING OF 420KV, 80MVAR SHUNT REACTOR ALONG WITH NGR AND ASSOCIATED LA IS NOT IN PRESENT SCOPE. ONLY FIRE PROTECTION SYSTEM AND CABLING WORK FROM CONTROL ROOM/SWITCHYARD PANEL ROOM TO REACTOR MB/NGRMB, NGR BY PASSING SCHEME IS UNDER PRESENT SCOPE.
- 4) WAVE TRAPS SHALL BE MOUNTED ON TWO PHASES BASED ON LEAST ATTENUATION DURING COMMISSIONING.

*** THESE 2000A CT ARE TO BE DISMANTLED AND REPLACED BY 3000A CT.

*** 5) ADDITIONAL SCOPE: AS PER POWERGRID LETTER NO. C-ENGG-SR-TNTR/4713/TA DATED 30.08.13, THE EXISTING CIRCUIT BREAKER WITHOUT CR 414-52 (ABB MAKE) IS TO BE DISMANTLED AND TO BE ERECTED AT 408-52. 1 NO. CB WITH CR INCREASED AND 1 NO. CB WITHOUT CR DECREASED FROM ORIGINAL SCOPE.

_____ BHEL SCOPE
 - - - - - FUTURE/EXISTING

ADDITIONAL INFORMATION NAME OF CUSTOMER/PROJECT (A Client Of: <i>Company</i>) PROJECT: 400KV BAY EXTN. AT KARAIKUDI, PUGALUR, KALIVANTHAPATTU & ABINSEKKATTY SUBSTATION			
STATUS OF DRAWING DESIGNATION OF PRINTS			
REV. DATE ALTERED DESIGNED APPROVED		REV. DATE ALTERED DESIGNED APPROVED	
ZONE		ZONE	
UNLESS BASED ON FORMER CONSTRUCTION DETAILS EXCEED 15 LETTERS OR C/TRANS/OF THE DRAWING NUMBER SHALL BE		UNLESS BASED ON FORMER CONSTRUCTION DETAILS EXCEED 15 LETTERS OR C/TRANS/OF THE DRAWING NUMBER SHALL BE	
DRAWING TITLE 400/230 KV PUGALUR (KARAIKUDI) SUBSTATION EXTN.		DRAWING NO./DRAWING NO. TB-2-362-510-5102 SHEET NO. 01	



SYSTEM PARAMETERS :-

1. NOMINAL SYSTEM VOLTAGE	400kV
2. HIGHEST SYSTEM VOLTAGE	420kV
3. RATED FREQUENCY	50Hz
4. RATED SHORT TIME CURRENT FOR 1 SEC	40kA
5. RATED FULL WAVE WITHSTAND VOLTAGE	1550kVp
6. DRY IMPULSE WITHSTAND VOLTAGE	630kVrms(+ve & -ve)
7. MINIMUM CREEPAGE (25MM/KV)	10500MM
8. SYSTEM NEUTRAL EARTHING	EFFECTIVELY EARTHED

CLEARANCE TABLE :-

MINIMUM CLEARANCE TABLE	400kV
PHASE TO PHASE (PP)	4000/4200mm
PHASE TO EARTH (PE)	3500mm
SECTION CLEARANCE (SC)	6500mm
HEIGHT OF TUBE CENTRE LINE OF FIRST LEVEL (MIN.) (FROM PLINTH LEVEL)	8000mm

STRINGING DETAILS :-

	CONDUCTOR	INS. STRING
MAIN BUS I & II	QUAD MOOSE	DOUBLE TENSION
JACK BUS & JUMPERING	QUAD MOOSE	DOUBLE TENSION
ALL EQUIPMENT INTERCONNECTION (3150A)	4.5" IPS AL./QUAD/TWIN MOOSE	
SUB CONDUCTOR SPACING FOR QUAD	450 mm	
SUB CONDUCTOR SPACING FOR TWIN	450 mm	
EARTHWIRE	10.98MM DIA GS WIRE.	

BILL OF QUANTITY - 400kV

ITEM CODE	DESCRIPTION	SYMBOL	QTY.
1	420kV, 3150A, 40kA/1s CIRCUIT BREAKER WITH CLOSING RESISTOR (3-Ph)		04
2	420kV, 3150A, 40kA/1s CIRCUIT BREAKER WITHOUT CLOSING RESISTOR (3-Ph)		02
3	420kV, 3150A, 40kA/1s CIRCUIT BREAKER WITHOUT CLOSING RESISTOR (3-Ph) WITH CONTROLLED SWITCHING		02
4	420kV, 3150, 40kA/1s HDB ISOLATOR WITH 1 E/S (3-Ph)		16
5	420kV, 2000, 40kA/1s HDB ISOLATOR WITH 1 E/S (3-Ph)		02
6	420kV, 3000A, 40kA/1s CURRENT TRANSFORMER (1-Ph)		36
7	420kV CAPACITIVE VOLTAGE TRANSFORMER (1-Ph)		06
		4400pF	06
		8800pF	06
8	336kV SURGE ARRESTER (1-Ph)		18
9	WAVE TRAP 0.5 mH (3150A) (1-Ph)		04
		0.5mH	04
		1.0mH	04
10	420kV POST INSULATOR (EXCLUDING WAVE TRAP)		32
11	420kV POST INSULATOR (EXCLUDING WAVE TRAP) (UNDER ADDITIONAL SCOPE)		02
12	145KV, 1250A, 40kA/1s HDB ISOLATOR FOR NGR BY PASSING (1-Ph)		02
13	145KV POST INSULATOR		02

- NOTES:-
- ALL DIMENSIONS ARE IN mm UNLESS SPECIFIED OTHERWISE.
 - LIGHTNING PROTECTION SHALL BE WITH SHIELD WIRE FOR 400KV SWITCHYARD.
 - PLINTH LEVEL 300mm ABOVE FGL.
 - GRAVEL 100mm ABOVE 75mm THICK LAYER OF CEMENT CONCRETE.
 - CONDUCTOR TENSION - 4000kg/PH.
a) MAIN BUS 1000kg/SUB CONDUCTOR
b) EARTH WIRE 800kg/CONDUCTOR
 - THE REQUIRED CLEARANCES AS PER CLEARANCE TABLE ABOVE AND AS PER PROVISION OF I.E. RULE & OTHER STATUTORY REGULATION ETC SHALL BE MAINTAINED BY BHEL.
 - LINE SIDE INSULATOR STRING FOR LINE TERMINATION & TENSION CLAMP FOR EARTH WIRE TERMINATION IS IN BHEL SCOPE.
 - ROAD, BOUNDARY WALL/FENCE IS NOT IN PRESENT SCOPE.
 - UPGRADATION OF EXISTING TWIN MOOSE JACK-BUS & DROPPERS (INCLUDING ALL ASSOCIATED HARDWARE CLAMP, CONNECTORS) TO QUAD MOOSE AND 4.5" IPS AL. TUBE FOR 3000A CURRENT RATING FOR KARAIKUDI I DIA. (BAY NO. 410, 411, 412) & KALIVANTHAPATTU II DIA. (413, 414, 415) IS ALSO IN PRESENT SCOPE.
 - UPGRADATION OF EXISTING 3-PH, 420KV, 2000A RATED ISOLATORS TO 3-PH, 420KV, 3000A RATING FOR KARAIKUDI I DIA. (BAY NO. 410, 411, 412) & KALIVANTHAPATTU II DIA. (413, 414, 415) IS ALSO IN PRESENT SCOPE.
 - SUPPLY, ERECTION, TESTING AND COMMISSIONING OF 420KV, 80MVAR SHUNT REACTOR ALONG WITH NGR AND ASSOCIATED LA IS NOT IN PRESENT SCOPE. ONLY FIRE PROTECTION SYSTEM AND CABLING WORK FROM CONTROL ROOM/SWITCHYARD PANEL ROOM TO REACTOR MS/NGR/MS, NGR BY PASSING SCHEME IS UNDER PRESENT SCOPE.
 - THESE 2000A CT ARE TO BE DISMANTLED AND REPLACED BY 3000A CT.
 - THE EXISTING DISCS SHALL BE USED DURING UPGRADATION OF KARAIKUDI I DIA. & KALIVANTHAPATTU II DIA. AND KARAIKUDI II & KALIVANTHAPATTU I DIA.
 - 4" IPS AL. TUBE SHALL BE REPLACED WITH 4.5" IPS AL. TUBE TO SUIT FOR 3000A KARAIKUDI I DIA. & KALIVANTHAPATTU II DIA.
 - LOCATION OF WAVE TRAP IS INDICATIVE. THE SAME SHALL BE FINALISED DURING COMMISSIONING BASED ON LEAST ATTENUATION. HOWEVER, FOUNDATION SHALL BE CASTED IN ALL THE THREE PHASES.
 - THE CLOUDED ITEMS ARE ADDITIONAL SCOPE ITEMS.

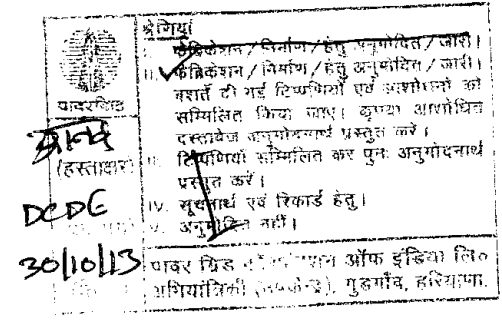
LEGEND:-

- PRESENT SCOPE
- EXISTING/FUTURE
- NOT IN BHEL SCOPE

Comments

- please submit DSEP calculations and Electrical clearance diagram.
- please check after marking.

Cat-II



NOA NO: CC-CS/380-SR2/SS-2049/3/G4/NOA-I/4713 DTD. 28.05.2013
CC-CS/380-SR2/SS-2049/3/G4/NOA-II/4714 DTD. 28.05.2013

ADDITIONAL INFORMATION	PROJECT: 400KV BAY EXTN. AT KARAIKUDI, PUGALUR, KALIVANTHAPATTU & ABHISHEKAPATTU SUBSTATION	
STATUS OF DRAWING	DATE: 28.05.2013 BY: [Signature] CHECKED: [Signature] APPROVED: [Signature]	
DESIGNATION OF PROJECT	PROJECT ENGINEER	
DATE	28.05.2013	
SCALE	1:475	
PROJECT TITLE	400/230 KV PUGALUR (NARUR) SUBSTATION EXTN.	
PROJECT NO.	TB-0-362-315-002	
PROJECT LOCATION	PUGALUR, NARUR, TAMIL NADU	
PROJECT STATUS	02	

600-91C-291-0-EL. (M. SWING)

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)

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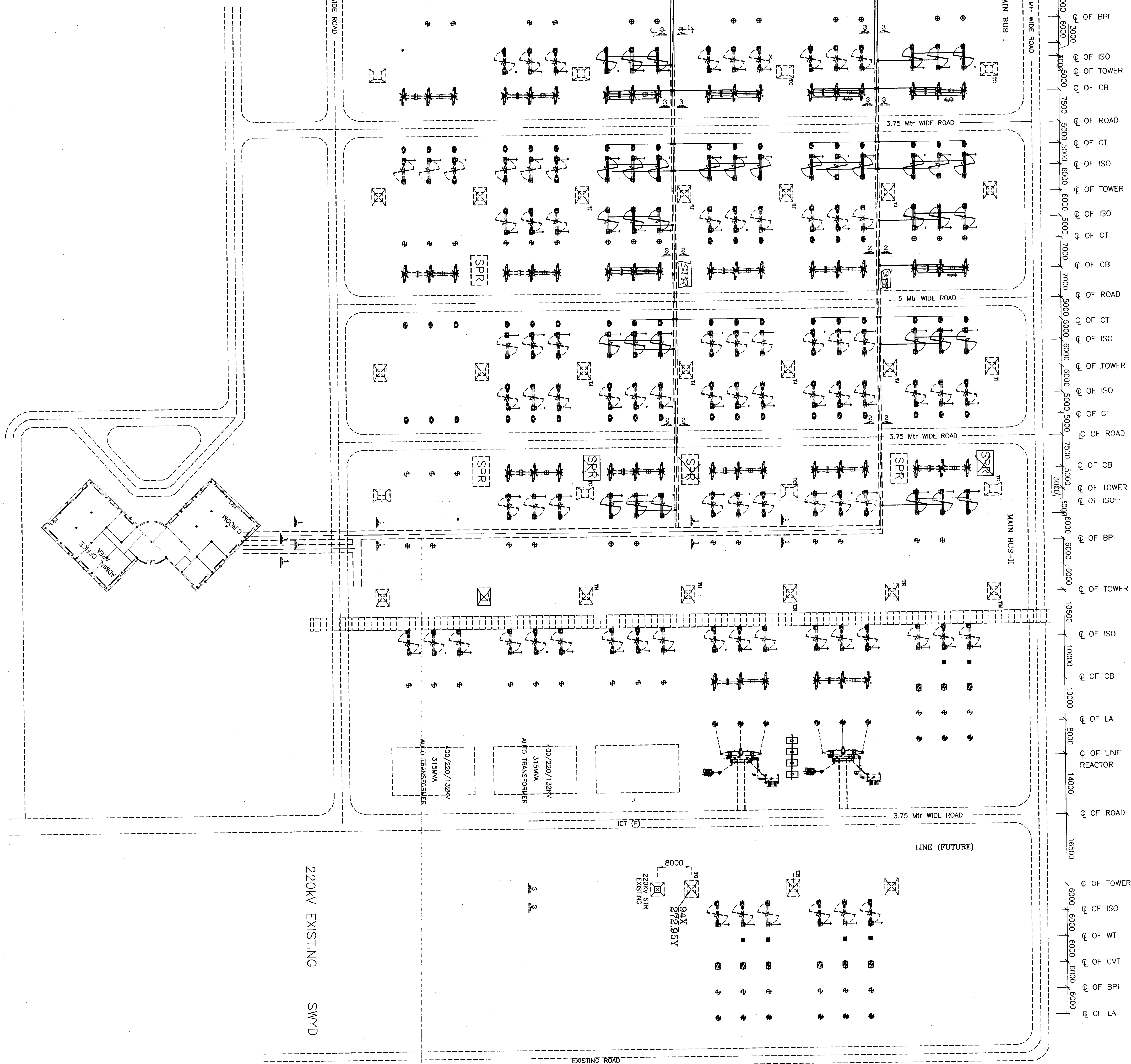
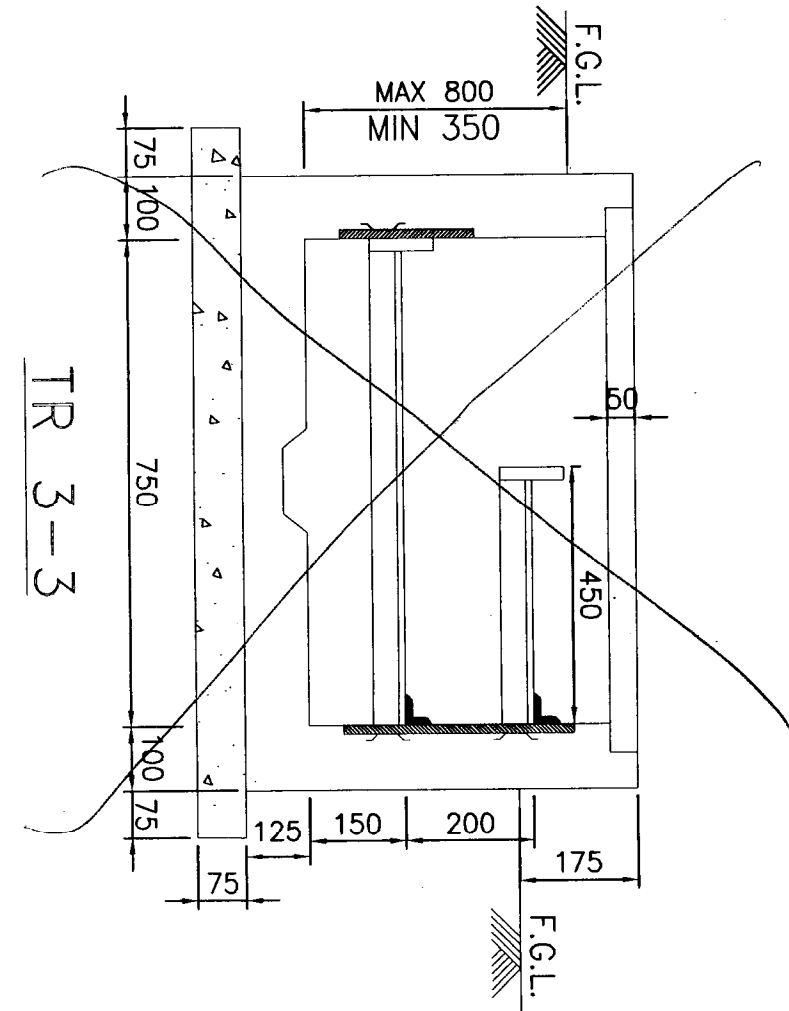
INVENTORY No. SIGN. & DATE REF. DRG. No. COMPUTER DRG. PATH NAME :

PVC PIPES : CLASS IV (AS PER IS-4985)

S.NO.	FROM	TO	JB (CVT/CT)	EACH POLE OF CVT / CT	FOR 400KV EQUIPMENTS	FOR 220KV EQUIPMENTS	FOR 11KV EQUIPMENTS	FOR 33KV EQUIPMENTS	FOR 66KV EQUIPMENTS	FOR 132KV EQUIPMENTS	FOR 220KV EQUIPMENTS	FOR 330KV EQUIPMENTS	FOR 500KV EQUIPMENTS
1.	TRENCH	JB (CVT/CT)	-	-	-	-	-	-	-	-	-	-	-
2.	JB (CVT/CT)	LOC OF CB	-	-	-	-	-	-	-	-	-	-	-
3.	TRENCH	LOC OF CB	-	-	-	-	-	-	-	-	-	-	-
4.	TRENCH	400KV ISO/ES MON. 'R'	-	-	-	-	-	-	-	-	-	-	-
5.	400KV ISO/ES MON. 'R'	400KV ISO/ES MON. 'R'	-	-	-	-	-	-	-	-	-	-	-
6.	400KV ISO/ES MON. 'R'	400KV ISO/ES MON. 'R'	-	-	-	-	-	-	-	-	-	-	-
7.	400KV ISO/ES MON. 'R'	400KV ISO/ES MON. 'R'	-	-	-	-	-	-	-	-	-	-	-
8.	TRENCH	400KV REACTION	-	-	-	-	-	-	-	-	-	-	-

Loc of CB MB of CB R_{PM} 1
Loc of CB MB of CB Y_{PM} 1
Loc of CB MB of CB B_{PM} 1

TR 3-3



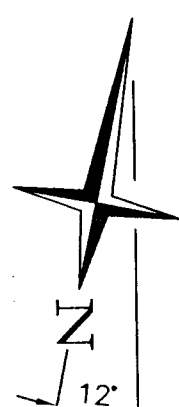
220KV EXISTING SWD

LEGEND:-

PRESENT SCOPE
EXISTING/FUTURE/NOT IN BH&L SCOPE

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. THE LOCATION OF CABLE TRENCHES MARKED IN THIS Dwg MAY BE SLIGHTLY MODIFIED TO SUIT SITE CONDITIONS.
4. B&L = INDICATES BAY MARKING BOX.
5. B&L = INDICATES BAY MARKING BOX.
6. CABLE SUPPORT SHALL BE PROVIDED AT EVERY 0.75m INTERVAL.
7. CABLE SHALL BE LAD IN MULTILAYER ON CABLE SUP. JHT (ANGLES).
8. INSERTS MUST BE EMBEDDED AT EVERY 0.75m INTERVAL FOR FIVE CABLES.
9. TECHNICAL SPECIFICATION SHALL BE LAD IN Dwg AND GOVERNOR CABLES 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, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



NO. NA CC-CS-380-SR2/SS-2049/3/64/NOA-1/4713 DTD. 28.06.2013

CC-CS-380-SR2/SS-2049/3/64/NOA-1/4714 DTD. 28.06.2013

ADDITIONAL INFORMATION
NAME OF CUSTOMER/PROJECT (As per contract documents)
PROJECT: 400KV BAY EXTN. AT KARAIKUDI, PUDUCHERRY
KALVANCHAPATTU & ABHISHEKAPATTU SUBSTATION

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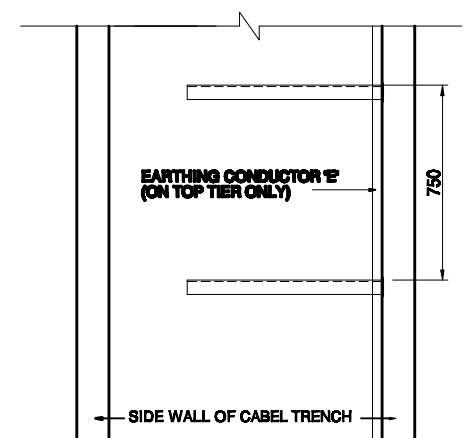
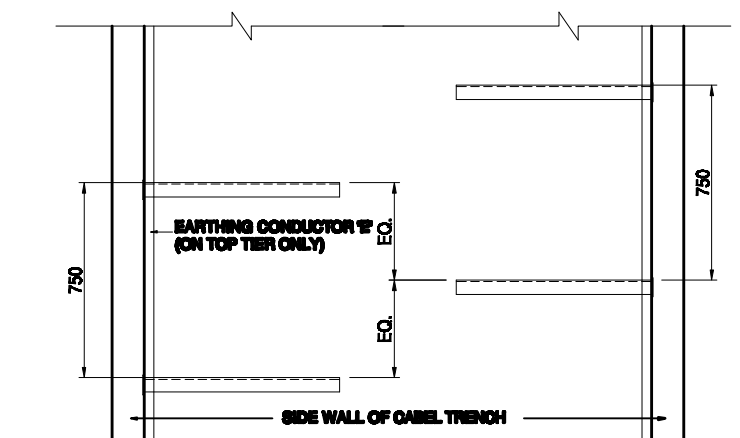
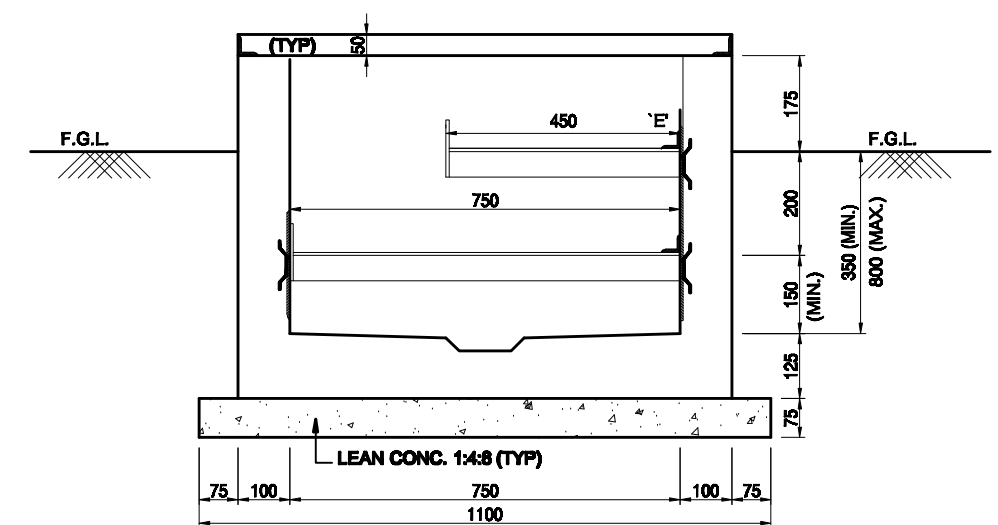
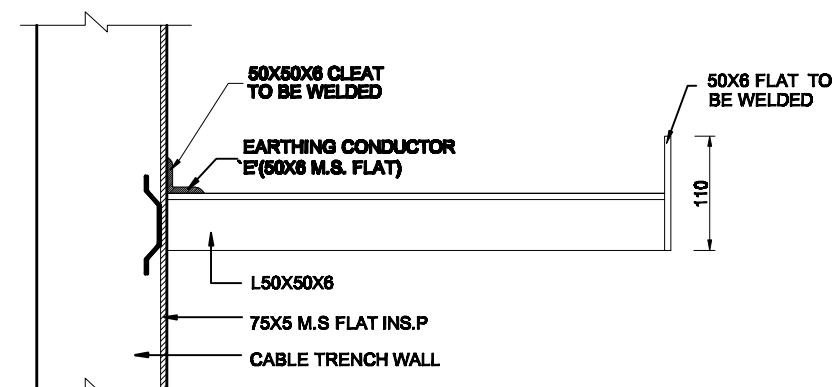
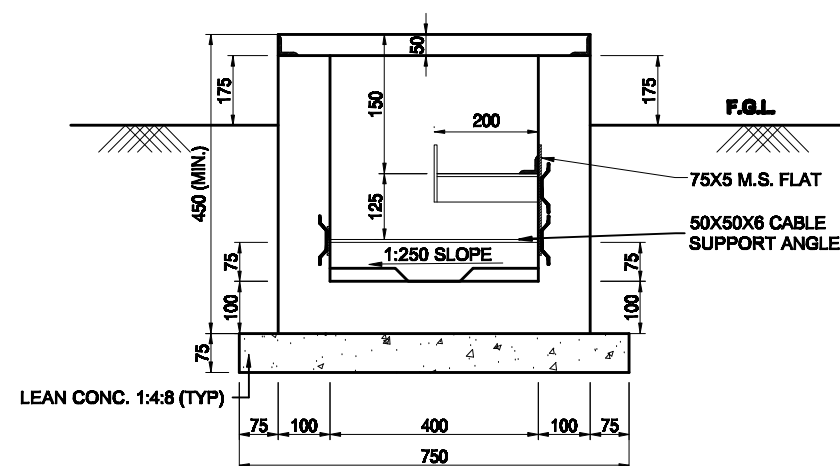
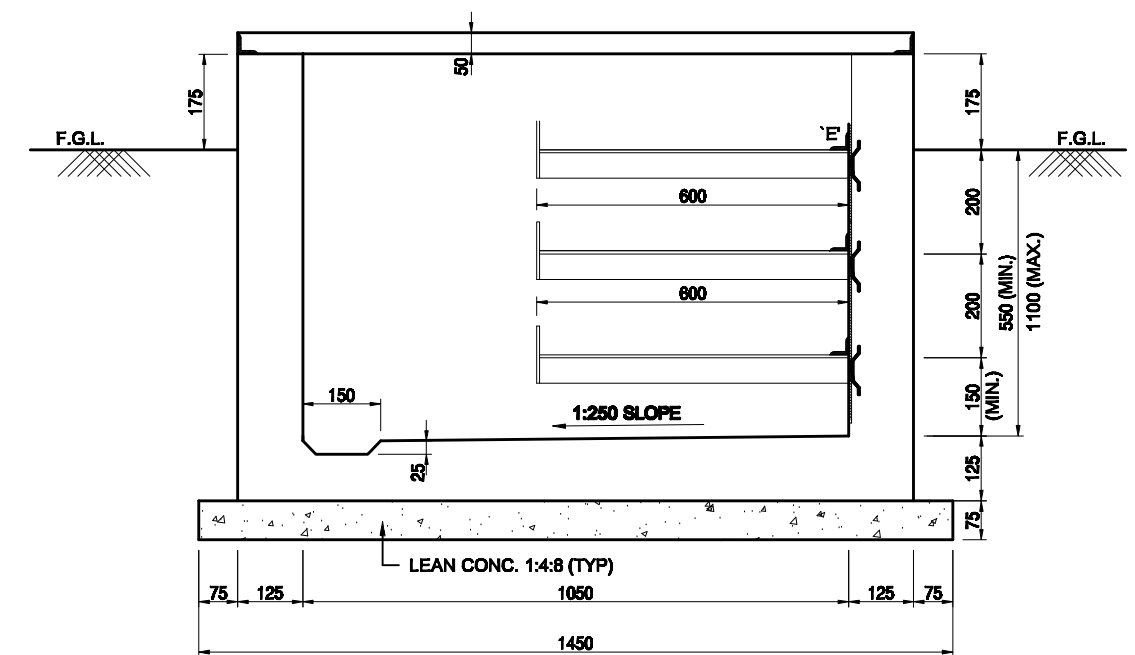
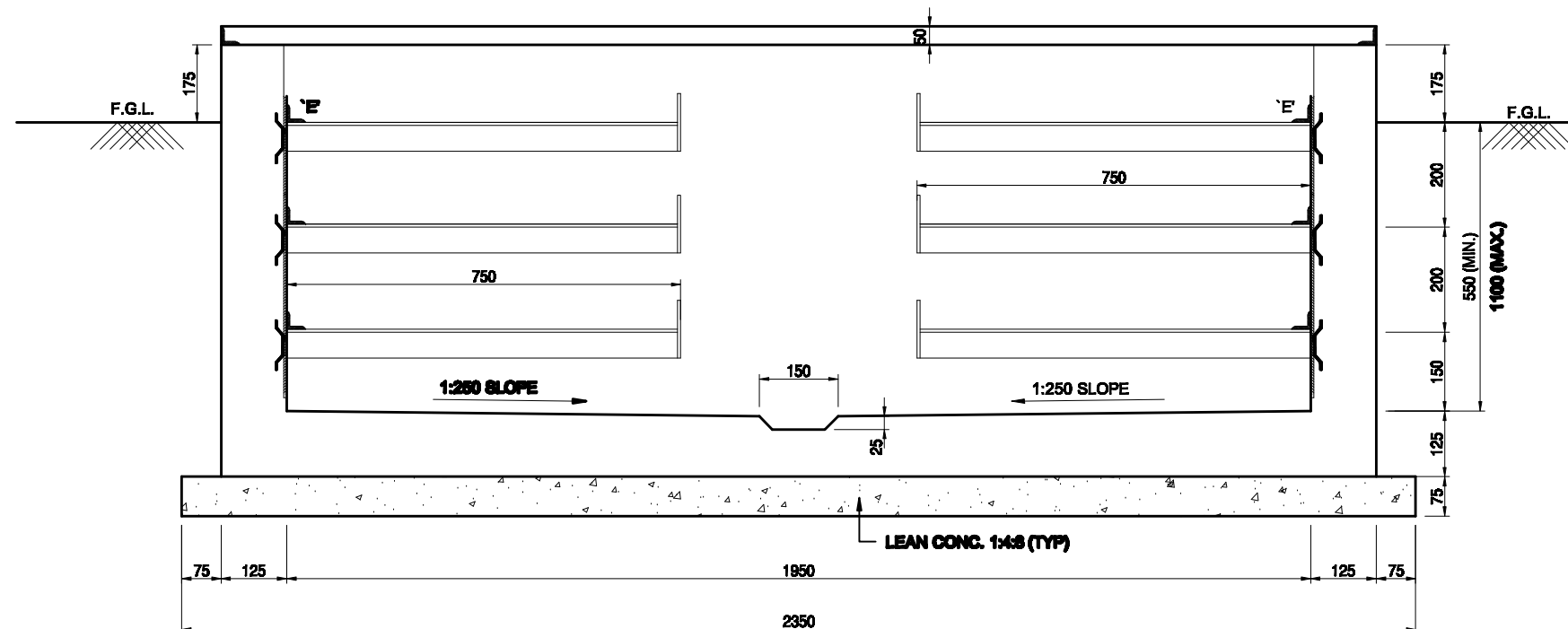
NAME OF CUSTOMER/PROJECT (As per contract documents)
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KALVANCHAPATTU & ABHISHEKAPATTU SUBSTATION

NAME OF CUSTOMER/PROJECT (As per contract documents)
PROJECT: 400KV BAY EXTN. AT KARAIKUDI, PUDUCHERRY
KALVANCHAPATTU & ABHISHEKAPATTU SUBSTATION

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NOTE:

1. ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.
2. R.C.C. MIX.SHOULD BE 1:1.5:3 (1 CEMENT: 1.5 COARSE SAND:3 STONE AGGREGATE 20mm NOMINAL SIZE.)
3. LEAN CONC. SHALL BE IN THE RATIO.1:4:8.
(1 CEMENT:4 COURSE SAND: 8STONE AGGREGATE 40MM NORMAL SIZE)
4. FOR ALL OTHER NOTES REF. DRG. No. C/ENGG/STD/CT-1(SHEET-2)

RELEASED FOR CONSTRUCTION.

POWER GRID CORPORATION
OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT:	STANDARD DRAWING FOR CABLE TRENCH
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TITLE:	DETAIL FOR CABLE TRENCH SECTIONS.
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							TITLE: DETAIL FOR CABLE TRENCH SECTIONS.			
PREP	REVD	REVD	REVD	REVD	APPD	DATE	SCALE NTS	DRAWING NO.	C/ENGG/STD/CT-1	REV R-0