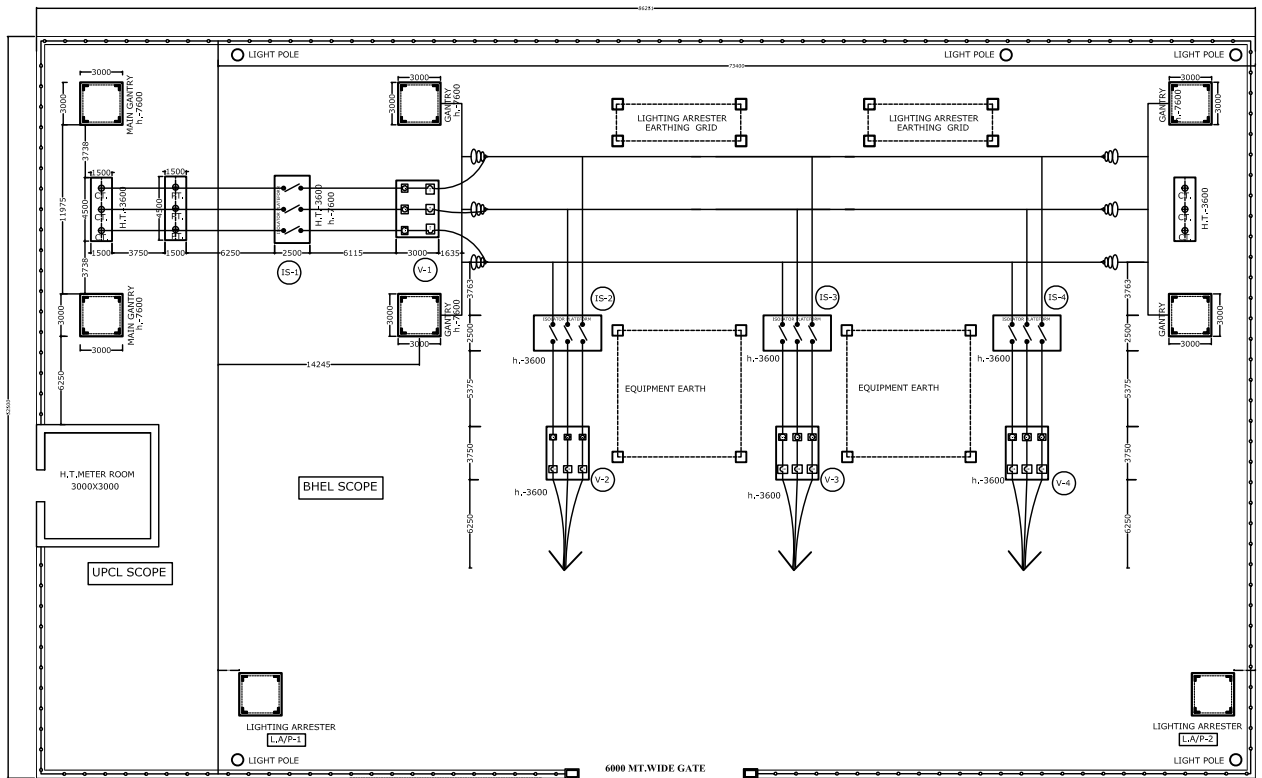


OPTION -2



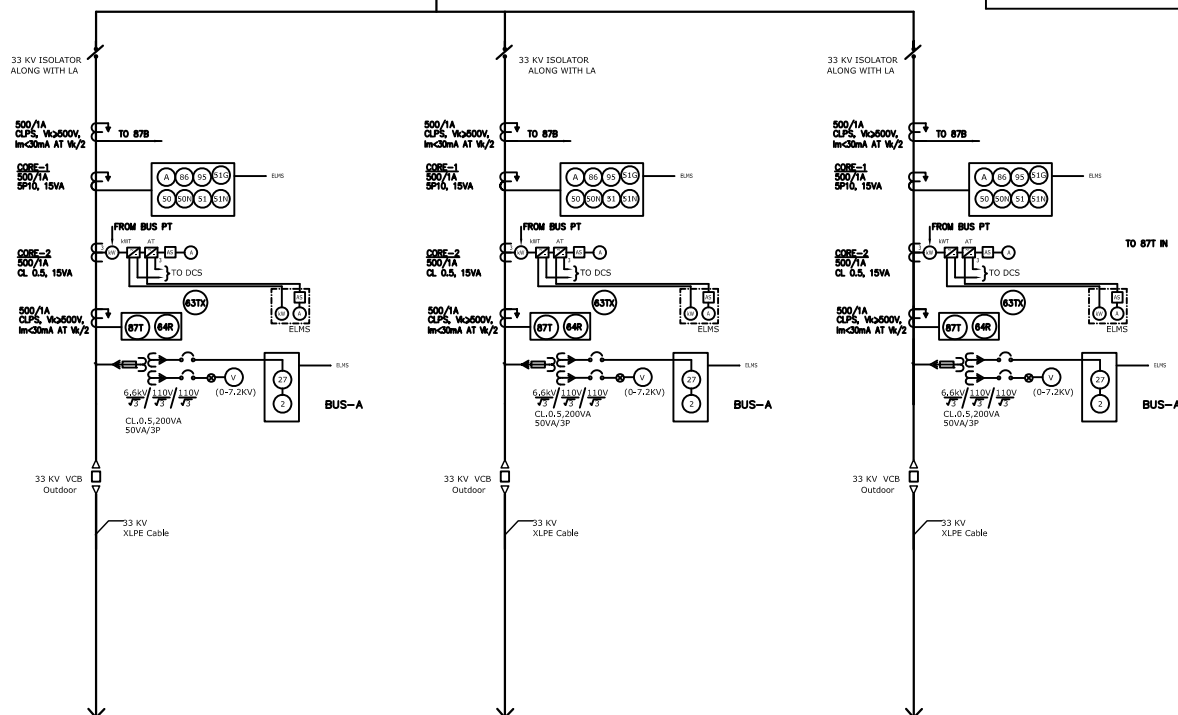
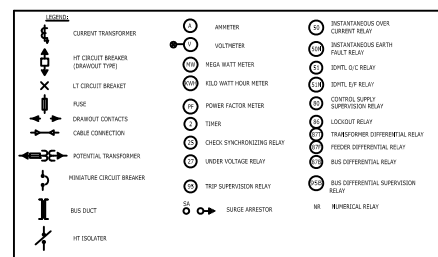
PLAN OF 33/0.4 KV -(4MVA X2NOS.)8MVA SUB STATION

LEGEND	
SYMBOL	PARTICULARS
IS-1	ISOLATOR 33KV GRADE POLE MOUNTED OUTDOOR TYPE
IS-2	ISOLATOR 33KV GRADE POLE MOUNTED OUTDOOR TYPE
IS-3	ISOLATOR 33KV GRADE POLE MOUNTED OUTDOOR TYPE
V-1	VCR-100 A-403A- 33 KV GRADE OUT DOOR TYPE POLE MOUNTED C.T. RATED 2000 A
V-2	VCR-100 A-403A- 33 KV GRADE OUT DOOR TYPE POLE MOUNTED C.T. RATED 2000 A
V-3	VCR-100 A-403A- 33 KV GRADE OUT DOOR TYPE POLE MOUNTED C.T. RATED 2000 A
TR-1	TRANSFORMER OUT-DOOR TYPE 4MVA 33/0.4KV
TR-2	TRANSFORMER OUT-DOOR TYPE 4MVA 33/0.4KV
TR-3	TRANSFORMER OUT-DOOR TYPE 4MVA 33/0.4KV
LA/P1	LIGHTING ARRESTER POLE
LA/P2	LIGHTING ARRESTER POLE
TR-NE	TRANS FORMER -NEUTRAL EARTHING
TR-BE	TRANS FORMER -BODY EARTHING

REVISION NO.	DETAILS	DATE
PROJECT	DEVELOPMENT OF FABRICATION PLANT JAGODSHIPUR	JOB NO. (N/P)
CLIENT	CSU & FABRICATION PLANT RREL, JAGODSHIPUR	
CONSULTANT	 Planner India Pvt. Ltd. 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	
TITLE	PLAN OF 33/0.4 KV -8MVA SUB STATION	
DRG NO.	SS-PS-04	REV-01
DESIGNED BY	ELP/000004	
CHECKED BY	ELP/000004	
DATE		
NORTH		SIGN & DATE

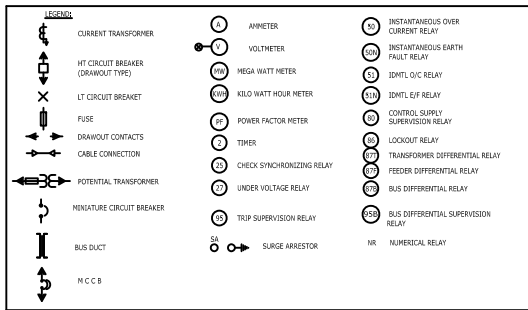
33 KV ISOLATOR ALONG WITH LA

33 KV VCB
Outdoor 1200 AMP

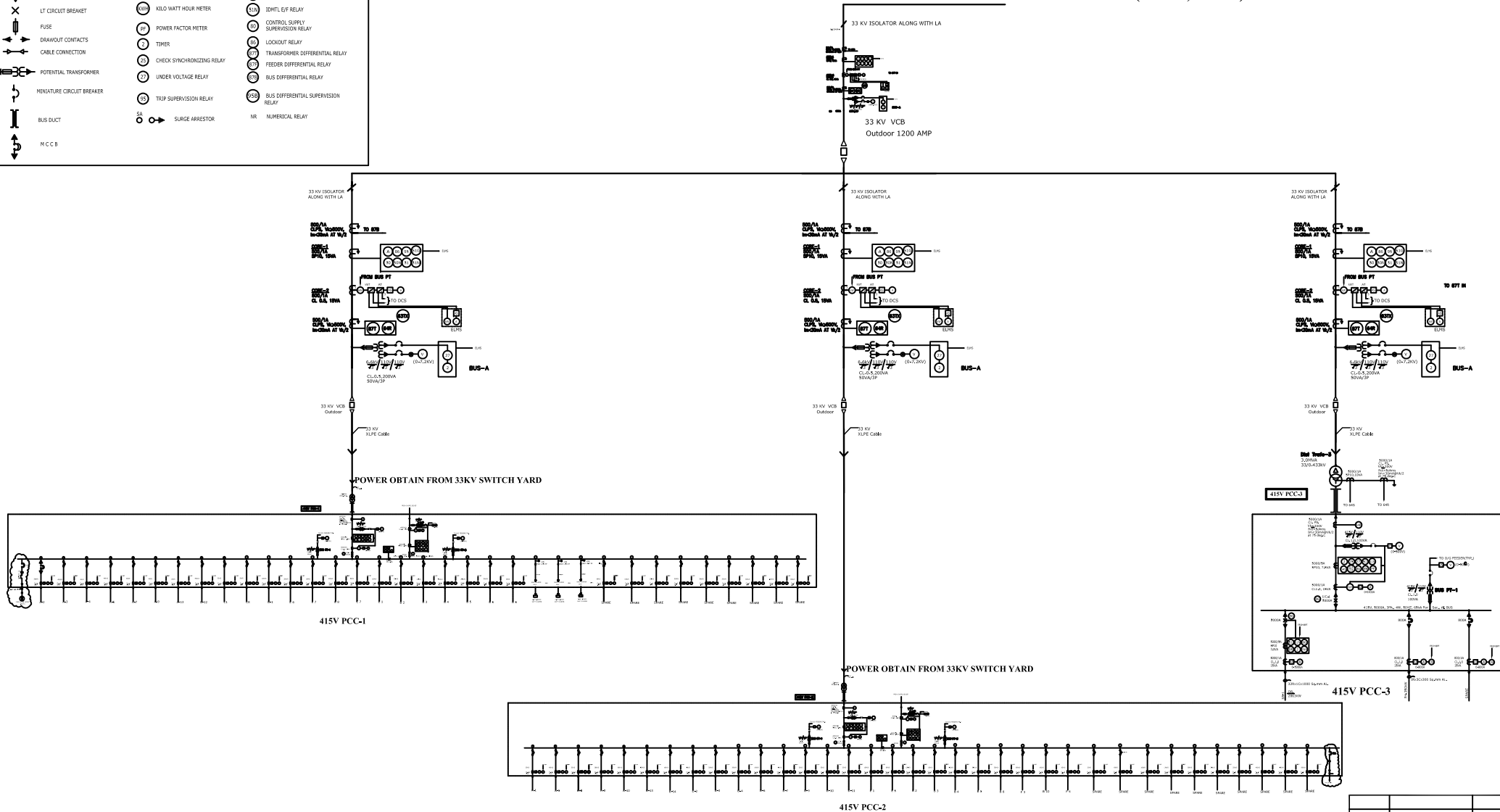


NOTE - ALL TRANSFORMER SHALL BE KEPT
NEAR MFG. BUILDING

REVISION NO.	DETAILS	DATE	
PROJECT	DEVELOPMENT OF FABRICATION PLANT JAGDISHPUR.	JOB NO. 0-07 (7)	
CLIENT	 FABRICATION PLANT BHEL, JAGDISHPUR		
CONSULTANT	 India (P) Ltd. Engineering Consultants A-10, Sector - 4, Phase-II, Gurgaon-122 002 Haryana Ph: 0122-2608000, Fax: 0122-2608001 E-Mail: india@indiaconsultants.com		
TITLE	SINGLE LINE DIAGRAM 3KV SWITCHYARD		
DWG NO.	SLD/PS-05	REV1-05	SCALE: AS PER DWG
DESIGNED BY	H.P.MISHRA		
DRAWN BY	KAILASH RAAK		
CHECKED BY	H.P. MISHRA		
NORTH		SIGN & DATE	
			



FROM UP POWER CORPORATION (33 KV,8MVA)



415V PCC-1

NO.	LOAD/FEEDER DISCUSSION	ACB	QTY	POWER FACTOR	WATT HOUR	WATT HOUR
1	33KV	1	1	1	1	1
2	33KV	1	1	1	1	1
3	33KV	1	1	1	1	1
4	33KV	1	1	1	1	1
5	33KV	1	1	1	1	1
6	33KV	1	1	1	1	1
7	33KV	1	1	1	1	1
8	33KV	1	1	1	1	1
9	33KV	1	1	1	1	1
10	33KV	1	1	1	1	1
11	33KV	1	1	1	1	1
12	33KV	1	1	1	1	1
13	33KV	1	1	1	1	1
14	33KV	1	1	1	1	1
15	33KV	1	1	1	1	1
16	33KV	1	1	1	1	1
17	33KV	1	1	1	1	1
18	33KV	1	1	1	1	1
19	33KV	1	1	1	1	1
20	33KV	1	1	1	1	1
21	33KV	1	1	1	1	1
22	33KV	1	1	1	1	1
23	33KV	1	1	1	1	1
24	33KV	1	1	1	1	1
25	33KV	1	1	1	1	1
26	33KV	1	1	1	1	1
27	33KV	1	1	1	1	1
28	33KV	1	1	1	1	1
29	33KV	1	1	1	1	1
30	33KV	1	1	1	1	1
31	33KV	1	1	1	1	1
32	33KV	1	1	1	1	1
33	33KV	1	1	1	1	1
34	33KV	1	1	1	1	1
35	33KV	1	1	1	1	1
36	33KV	1	1	1	1	1
37	33KV	1	1	1	1	1
38	33KV	1	1	1	1	1
39	33KV	1	1	1	1	1
40	33KV	1	1	1	1	1
41	33KV	1	1	1	1	1
42	33KV	1	1	1	1	1
43	33KV	1	1	1	1	1
44	33KV	1	1	1	1	1
45	33KV	1	1	1	1	1
46	33KV	1	1	1	1	1
47	33KV	1	1	1	1	1
48	33KV	1	1	1	1	1
49	33KV	1	1	1	1	1
50	33KV	1	1	1	1	1
51	33KV	1	1	1	1	1
52	33KV	1	1	1	1	1
53	33KV	1	1	1	1	1
54	33KV	1	1	1	1	1
55	33KV	1	1	1	1	1
56	33KV	1	1	1	1	1
57	33KV	1	1	1	1	1
58	33KV	1	1	1	1	1
59	33KV	1	1	1	1	1
60	33KV	1	1	1	1	1
61	33KV	1	1	1	1	1
62	33KV	1	1	1	1	1
63	33KV	1	1	1	1	1
64	33KV	1	1	1	1	1
65	33KV	1	1	1	1	1
66	33KV	1	1	1	1	1
67	33KV	1	1	1	1	1
68	33KV	1	1	1	1	1
69	33KV	1	1	1	1	1
70	33KV	1	1	1	1	1
71	33KV	1	1	1	1	1
72	33KV	1	1	1	1	1
73	33KV	1	1	1	1	1
74	33KV	1	1	1	1	1
75	33KV	1	1	1	1	1
76	33KV	1	1	1	1	1
77	33KV	1	1	1	1	1
78	33KV	1	1	1	1	1
79	33KV	1	1	1	1	1
80	33KV	1	1	1	1	1
81	33KV	1	1	1	1	1
82	33KV	1	1	1	1	1
83	33KV	1	1	1	1	1
84	33KV	1	1	1	1	1
85	33KV	1	1	1	1	1
86	33KV	1	1	1	1	1
87	33KV	1	1	1	1	1
88	33KV	1	1	1	1	1
89	33KV	1	1	1	1	1
90	33KV	1	1	1	1	1
91	33KV	1	1	1	1	1
92	33KV	1	1	1	1	1
93	33KV	1	1	1	1	1
94	33KV	1	1	1	1	1
95	33KV	1	1	1	1	1
96	33KV	1	1	1	1	1
97	33KV	1	1	1	1	1
98	33KV	1	1	1	1	1
99	33KV	1	1	1	1	1
100	33KV	1	1	1	1	1

415V PCC-2

NO.	LOAD/FEEDER DISCUSSION	ACB	QTY	POWER FACTOR	WATT HOUR	WATT HOUR
1	33KV	1	1	1	1	1
2	33KV	1	1	1	1	1
3	33KV	1	1	1	1	1
4	33KV	1	1	1	1	1
5	33KV	1	1	1	1	1
6	33KV	1	1	1	1	1
7	33KV	1	1	1	1	1
8	33KV	1	1	1	1	1
9	33KV	1	1	1	1	1
10	33KV	1	1	1	1	1
11	33KV	1	1	1	1	1
12	33KV	1	1	1	1	1
13	33KV	1	1	1	1	1
14	33KV	1	1	1	1	1
15	33KV	1	1	1	1	1
16	33KV	1	1	1	1	1
17	33KV	1	1	1	1	1
18	33KV	1	1	1	1	1
19	33KV	1	1	1	1	1
20	33KV	1	1	1	1	1
21	33KV	1	1	1	1	1
22	33KV	1	1	1	1	1
23	33KV	1	1	1	1	1
24	33KV	1	1	1	1	1
25	33KV	1	1	1	1	1
26	33KV	1	1	1	1	1
27	33KV	1	1	1	1	1
28	33KV	1	1	1	1	1
29	33KV	1	1	1	1	1
30	33KV	1	1	1	1	1
31	33KV	1	1	1	1	1
32	33KV	1	1	1	1	1
33	33KV	1	1	1	1	1
34	33KV	1	1	1	1	1
35	33KV	1	1	1	1	1
36	33KV	1	1	1	1	1
37	33KV	1	1	1	1	1
38	33KV	1	1	1	1	1
39	33KV	1	1	1	1	1
40	33KV	1	1	1	1	1
41	33KV	1	1	1	1	1
42	33KV	1	1	1	1	1
43	33KV	1	1	1	1	1
44	33KV	1	1	1	1	1
45	33KV	1	1	1	1	1
46	33KV	1	1	1	1	1
47	33KV	1	1	1	1	1
48	33KV	1	1	1	1	1
49	33KV	1	1	1	1	1
50	33KV	1	1	1	1	1
51	33KV	1	1	1	1	1
52	33KV	1	1	1	1	1
53	33KV	1	1	1	1	1
54	33KV	1	1	1	1	1
55	33KV	1	1	1	1	1
56	33KV	1	1	1	1	1
57	33KV	1	1	1	1	1
58	33KV	1	1	1	1	1
59	33KV	1	1	1	1	1
60	33KV	1	1	1	1	1
61	33KV	1	1	1	1	1
62	33KV	1	1	1	1	1
63	33KV	1	1	1	1	1
64	33KV	1	1	1	1	1
65	33KV	1	1	1	1	1
66	33KV	1	1	1	1	1
67	33KV	1	1	1	1	1
68	33KV	1	1	1	1	1
69	33KV	1	1	1	1	1
70	33KV	1	1	1	1	1
71	33KV	1	1	1	1	1
72	33KV	1	1	1	1	1
73	33KV	1	1	1	1	1
74	33KV	1	1	1	1	1
75	33KV	1	1	1	1	1
76	33KV	1	1	1	1	1
77	33KV	1	1	1	1	1
78	33KV	1	1	1	1	1
79	33KV	1	1	1	1	1
80	33KV	1	1	1	1	1
81	33KV	1	1	1	1	1
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93	33KV	1	1	1	1	1
94	33KV	1	1	1	1	1
95	33KV	1	1	1	1	1
96	33KV	1	1	1	1	1
97	33KV	1	1	1	1	1
98	33KV	1	1	1	1	1
99	33KV	1	1	1	1	1
100	33KV	1	1	1	1	1

REVISION NO.	DETAILS	DATE
1	DEVELOPMENT OF FABRICATION PLANT JAGDISHPUR	20/01/2020
2	FABRICATION PLANT JAGDISHPUR	20/01/2020
3	PLANNER ENGINEERING PVT. LTD.	20/01/2020
4	PLANNER ENGINEERING PVT. LTD.	20/01/2020
5	PLANNER ENGINEERING PVT. LTD.	20/01/2020
6	PLANNER ENGINEERING PVT. LTD.	20/01/2020
7	PLANNER ENGINEERING PVT. LTD.	20/01/2020
8	PLANNER ENGINEERING PVT. LTD.	20/01/2020
9	PLANNER ENGINEERING PVT. LTD.	20/01/2020
10	PLANNER ENGINEERING PVT. LTD.	20/01/2020
11	PLANNER ENGINEERING PVT. LTD.	20/01/2020
12	PLANNER ENGINEERING PVT. LTD.	20/01/2020
13	PLANNER ENGINEERING PVT. LTD.	20/01/