

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 31.03.2015

Sr. No	Name of P&M Circle	No. of S/Stns			No. of Lines & Length in Ckt. Kms					
		400 KV	220 KV	132 KV	400KV		220KV		132KV	
					D/C	S/C	D/C	S/C	D/C	S/C
1	Amritsar	-	16	22	1	--	20	3	13	23
					127.416		957.158	88.506	645.220	305.717
2	Bathinda	1	14	21	2	2	22	9	7	26
					391.094	256.000	1194.538	409.304	16.884	609.426
3	Jalandhar	1	10	19	1	1	6	16	1	39
					105.444	73.000	253.290	605.234	16.000	847.829
4	Ludhiana	1	24	7		1	16	30	1	13
						139.527	981.364	612.230	42.000	349.713
5	Patiala	1	24	5	3	--	5	12	1	15
					367.746		273.438	321.624	76.000	205.877
<b>TOTAL</b>		<b>4</b>	<b>88</b>	<b>74</b>	<b>7</b>	<b>4</b>	<b>69</b>	<b>70</b>	<b>23</b>	<b>116</b>
					991.700	468.527	3659.788	2036.898	796.104	2318.562
					<b>1460.227</b>		<b>5696.686</b>		<b>3114.666</b>	

Shunt Capacitor Capacity Installed / Operative (MVAR)				Total in (MVAR)
132KV/66KV/33/11KV				
132KV	66KV	33 KV	11 KV	Installed/ Operative
141	396	-	225	762
141	396	-	222	759
152	308	17	168	645
152	308	17	168	645
76	281	5	154	516
76	281	5	154	516
11	635	-	151	797
11	635	-	151	797
-	854	-	126	980
-	844	-	126	970
<b>380</b>	<b>2474</b>	<b>22</b>	<b>824</b>	<b>3700</b>
<b>380</b>	<b>2464</b>	<b>22</b>	<b>821</b>	<b>3687</b>

P&M Circle	No. of Bays											No. of P/T/Fs & Capacity						
	400KV		220KV		132KV		66KV		33KV		400KV S/S		220KV S/S		132KV S/S		Total	
	T/F	Line	T/F	Line	T/F	Line	T/F	Line	T/F	Line	No of T/F	Capacity in MVA	No of T/F	Capacity in MVA	No of T/Fs	Capacity in MVA	No of T/Fs	Capacity in MVA
Amritsar	-	-	38	81.3BC	68	87.3BC, 5CB	41	84.2BC, 16CB	-	3	-	-	64	3975.00	58	1449.50	122	5424.50
Bathinda	3	6.1BC	27	50.4BC	84	54.1BC, 5CB	60	87.2BC, 13CB	5	13.3CB	2	630	58	3512.50	61	1360.17	121	5502.67
Jalandhar	2	4	16	35.2BC	66	48.1CB	28	40.1BC, 9CB	15	25.3CB	2	630	39	2262.00	52	1375.50	93	4267.50
Ludhiana	2	6	49	61.5BC	30	24.1BC	84	114.1BC, 17CB	1	2.1CB	2	630	110	6465.00	15	248.50	127	7343.50
Patiala	2	4	48	85.10BC, 1CB	16	24.1BC	91	168.6BC, 26CB	1	1	2	1000	97	6095.00	14	347.50	113	7442.50
<b>Total</b>	<b>9</b>	<b>21</b>	<b>178</b>	<b>312.24BC, 1CB</b>	<b>264</b>	<b>237.6BC, 11CB</b>	<b>304</b>	<b>493.12BC, 81CB</b>	<b>22</b>	<b>44.7CB</b>	<b>8</b>	<b>2890</b>	<b>368</b>	<b>22309.50</b>	<b>200</b>	<b>4781.17</b>	<b>576</b>	<b>29980.67</b>

Voltage Wise No. of Power Transformers & Capacity in MVA

	400KV	220KV	132KV	66KV	33KV	Total (Nos.)
400KV S/Stns	8Nos 2890.00MVA	----	----	----	----	8Nos 2890.00MVA
220KV S/Stns	----	178 Nos 18600.00 MVA	37 Nos 837.00 MVA	153 Nos 2872.50 MVA	-	368 Nos 22309.50 MVA
132KV S/Stns	----	----	194Nos 4703.67MVA	5 Nos 72.50 MVA	1 Nos 5.00 MVA	200 Nos 4781.17 MVA
<b>TOTAL</b>	<b>8Nos 2890.00MVA</b>	<b>178 Nos 18600.00 MVA</b>	<b>231Nos 5540.67 MVA</b>	<b>158 Nos 2945.00 MVA</b>	<b>1 No 5.00 MVA</b>	<b>576 Nos 29980.67MVA</b>

**Total No. of Power Transformer Installed ending 31.03.2015 on 220KV & 132KV S/S under P&M Organization**

	<b>400KV</b>	<b>220KV</b>	<b>132KV</b>	<b>66kV</b>	<b>33kV</b>	<b>Total</b>
Amritsar 220kVS/S	-	34x100, 1x50 (3450)	2(22.50)	27(502.50)	-	(64) 3975.00 MVA
132kV S/S	-		56(1409.50)	2 (40.00)	-	(58) 1449.50 MVA
Bathinda 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kV S/S	-	1x160 27x100, 1x50 (2910)	15(375.00)	14(227.50)	-	(58) 3512.50 MVA
132kV S/S	-		58(1327.67)	3(32.50)	-	(61) 1360.17 MVA
Jalandhar 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kV S/S	-	1x160, 17x100 (1860)	9(192.00)	12(210.00)	-	(39) 2262.00 MVA
132kV S/S	-		52(1375.50)	-	-	(52) 1375.50 MVA
Ludhiana 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kV S/S	-	7x160, 41x100 (5220)	9(207.50)	53(1037.50)	-	(110) 6465.00 MVA
132kV S/S	-		15(248.50)	-	-	(15) 248.50 MVA
Patiala 400KV S/S	2x500 (1000)	-	-	-	-	(2) 1000.00 MVA
220kV S/S	-	6x160, 42x100 (5160)	2(40.00)	47(895.00)	-	(97) 6095.00 MVA
132kV S/S	-		13(342.50)	-	1(5.00)	(14) 347.50 MVA
Total 400KV S/S	<u>8Nos</u> 2890.00MVA	-	-	-	-	<u>8 Nos</u> 2890.00MVA
220KV S/S	-	<u>178 Nos</u> 18600.00 MVA	<u>37 Nos</u> 837.00 MVA	<u>153 Nos</u> 2872.50 MVA	----	<u>368 Nos</u> 22309.50MVA
132KV S/S	-	-----	<u>194 Nos</u> 4703.67 MVA	<u>5 Nos</u> 72.50MVA	<u>1Nos</u> 5.00MVA	<u>200 Nos</u> 4781.17 MVA
<b>Grand Total</b>	<u>8Nos</u> 2890.00MVA	<u>178 Nos</u> 18600.00 MVA	<u>231 Nos</u> 5540.67 MVA	<u>158 Nos</u> 2945.00MVA	<u>1 Nos</u> 5.00 MVA	<u>576 Nos</u> 29980.67 MVA