

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 30.06.2015

Sr. No	Name of P&M Circle	No. of S/Stns			No. of Lines & Length in Ckt. Kms						Shunt Capacitor Capacity Installed / Operative (MVAR) 132KV/66KV/33/11KV				Total in (MVAR) Installed/ Operative
		400 KV	220 KV	132 KV	400KV		220KV		132KV		132KV	66KV	33 KV	11 KV	
					D/C	S/C	D/C	S/C	D/C	S/C					
1	Amritsar	-	16	22	1 127.416	--	20 957.158	3 88.506	13 645.220	23 305.717	141 141	396 396	- -	233 233	770 770
2	Bathinda	1	15	20	3 566.294	2 256.000	24 1381.200	8 359.304	7 16.884	26 609.426	152 152	308 308	17 17	168 168	645 645
3	Jalandhar	1	10	19	1 105.444	1 73.000	7 308.864	16 605.234	1 16.000	40 852.137	76 76	281 281	5 5	154 154	516 516
4	Ludhiana	1	24	7	1 279.054	--	16 981.364	30 612.230	1 42.000	13 349.713	11 11	679 679	- -	151 151	841 841
5	Patiala	1	24	5	2 192.546	--	4 319.780	14 348.523	1 76.000	16 207.127	- -	875 875	- -	126 126	1001 1001
TOTAL		4	89	73	8 1270.754	3 329.00	71 3948.366	71 2013.797	23 796.104	118 2324.120	380 380	2539 2539	22 22	832 832	3773 3773
					1599.754		5962.163		3120.224						

P&M Circle	No. of Bays											No. of P/T/Fs & Capacity						Total	
	400KV			220KV		132KV		66KV		33KV		400KV S/S		220KV S/S		132KV S/S		No of T/Fs	Capacity in MVA
	T/F	Line	Reactor	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		
Amritsar	-	-	-	38	81.3BC	6	87.3BC, 5CB	41	84, 2BC, 16CB	-	3	-	-	65	4075.00	58	1449.50	123	5524.50
Bathinda	2	4	-	28	52.4BC	84	54.7BC, 5CB	61	87. 2BC, 13CB	5	13.3 CB	2	630	64	3795.00	56	1242.67	122	5667.67
Jalandhar	2	6	1	16	35.2BC	66	48. 1CB	28	40, 1BC, 9CB	15	25.3CB	2	630	40	2369.50	52	1375.50	94	4375.00
Ludhiana	2	6	1	49	61.5BC	30	24.1BC	84	114, 1BC, 17CB	1	2.1CB	2	630	109	6415.00	17	288.50	128	7333.50
Patiala	2	4	-	52	95.11BC, 1CB	16	25.1BC	101	174, 8BC, 26CB	1	1	2	1000	99	6355.00	14	347.50	115	7702.50
Total	8	20	2	182	314.25BC, 1CB	264	238.6BC, 11CB	314	499, 14BC, 81CB	22	44.7CB	8	2890	377	23009.50	197	4703.67	582	30603.17

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.	----	183 Nos 19210.00 MVA	40 Nos 907.00 MVA	154 Nos 2892.50 MVA	-	377 Nos 23009.50 MVA
132KV S/Stns.	----	----	191Nos 4626.17MVA	5 Nos 72.50 MVA	1 Nos 5.00 MVA	197 Nos 4703.67 MVA
TOTAL	8Nos 2890.00MVA	183 Nos 19210.00 MVA	231Nos 5533.17 MVA	159 Nos 2965.00 MVA	1 No 5.00 MVA	582 Nos 30603.17 MVA

Total No. of Power Transformer installed ending 30.06.2015 on 220KV & 132KV S/S under P&M Organization

	400KV	220KV	132kV	66kV	33kV	Total
Amritsar 220kV S/S	-	35x100, 1x50 (3550)	2(22.50)	27(502.50)	-	(65) 4075.00 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 29x100, (3060)	20(507.50)	14(227.50)	-	(64) 3795.00 MVA
132kV S/S	-		53(1210.17)	3(32.50)	-	(56) 1242.67 MVA
Jalandhar 400KV S/S	2x315 (630)	-	-	-	-	(2) 630.00 MVA
220kV S/S	-	1x160, 18x100 (1960)	8(179.50)	13(230.00)	-	(40) 2369.50 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)	8(157.50)	53(1037.50)	-	(109) 6415.00 MVA
132kV S/S	-		17(288.50)	-	-	(17) 288.50 MVA
Patiala 400KV S/S	2x500 (1000)	-	-	-	-	(2) 1000.00 MVA
220kV S/S	-	7x160, 43x100 (5420)	2(40.00)	47(895.00)	-	(99) 6355.00 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>183 Nos</u> 19210.00 MVA	<u>40 Nos</u> 907.00 MVA	<u>154 Nos</u> 2892.50 MVA	----	<u>377 Nos</u> 23009.50MVA
132KV S/S	-	-----	<u>191 Nos</u> 4626.17 MVA	<u>5 Nos</u> 72.50MVA	<u>1Nos</u> 5.00MVA	<u>197 Nos</u> 4703.67 MVA
Grand Total	<u>8Nos</u> 2890.00MVA	<u>183 Nos</u> 19210.00 MVA	<u>231 Nos</u> 5533.17 MVA	<u>159 Nos</u> 2965.00MVA	<u>1 Nos</u> 5.00 MVA	<u>582 Nos</u> 30603.17 MVA