

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 30.06.2013

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)	
		400KV	220 KV	132 KV	66 KV	400KV		220KV		132KV		132 KV	66KV	33KV	11 KV	Installed/Operative	
						D/C	S/C	D/C	S/C	D/C	S/C						
1.	Amritsar	-	15	22	1	---	--	19	3	13	23	141	396	-	225	762	
								945.972	88.506	645.220	305.717	137	394	-	224	755	
2.	Bathinda	-	12	21	2	---	--	16	9	7	26	152	286	38	168	644	
								950.780	409.304	16.884	609.426	152	286	33	168	639	
3.	Jalandhar	-	8	20	1	---	--	4	13	1	38	76	280	27	154	537	
								336.798	414.772	16.000	845.365	76	280	27	154	537	
4.	Ludhiana	-	21	9	1	---	--	14	26	1	15	11	614	-	151	776	
								969.558	594.470	42.000	349.713	11	614	-	151	776	
5.	Patiala	1	16	5	6	3	--	3	12	1	15	-	680	-	124	804	
						363.746		188.200	321.624	76.000	205.877	-	680	-	115	795	
TOTAL		1	72	77	11	3	--	56	63	23	117	380	2256	66	822	3523	
						363.746		3391.308	1828.876	796.104	2316.098	376	2254	60	812	3502	
								6219.984		3112.202							

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	-	-	32	80, 3BC	66	87, 3BC, 5CB	40	84, 2BC, 16CB	-	3	-	-	60	3617.50	55	1344.50	115	4962.00
Bathinda	-	--	23	37, 4BC	82	54, 1BC, 5CB	53	87, 2BC, 13CB	5	13, 3 CB	-	-	49	2887.50	59	1278.67	108	4166.17
Jalandhar	-	-	14	33, 2BC	66	48, 1CB	28	40, 1BC, 9CB	15	25, 3CB	-	-	32	1872.50	55	1338.50	87	3211.00
Ludhiana	-	-	40	60, 5BC	27	24, 1BC	79	114, 1BC, 17CB	1	2, 1CB	-	-	92	5297.50	20	483.50	112	5781.00
Patiala	2	2	39	77	16	24	76	168, 6BC, 16CB	1	1	2	1000	78	4568.00	14	313.50	94	5881.50
Total	2	2	148	291 14BC	257	237, 5BC, 11CB	254	493, 12BC, 71CB	22	44, 7CB	2	1000	311	18243.00	203	4758.67	516	24001.67

Voltage Wise No. of Power Transformers & Capacity in MVA						
	400KV	220kv	132kv	66kv	33kv	Total (Nos.)
400KV S/Stns	<u>2Nos</u> 1000MVA	----	----	----	----	<u>2Nos</u> 1000MVA
220kv S/Stns.	----	<u>149 Nos</u> 15220.00 MVA	<u>31 Nos</u> 682.00 MVA	<u>131 Nos</u> 2341.00 MVA	-	<u>311 Nos</u> 18243.00 MVA
132KV S/Stns.	----	----	<u>196 Nos</u> 4700.67 MVA	<u>4 Nos</u> 45.00 MVA	<u>3 Nos</u> 13.00 MVA	<u>203 Nos</u> 4758.67 MVA
TOTAL	<u>2Nos</u> 1000MVA	<u>149 Nos</u> 15220.00 MVA	<u>227Nos</u> 5382.67 MVA	<u>135 Nos</u> 2386.00 MVA	<u>3 No</u> 13.00 MVA	<u>516 Nos</u> 24001.67 MVA

Total No. of Power Transformer installed ending 30.06.2013 on 220kV & 132kV S/S under P&M Organization

	400KV	220KV	132kV	66kV	33kV	Total
Amritsar 220kV S/S 132kV S/S	- -	31x100, 1x50 -	2(22.50) 55(1344.50)	26(445.00) -	- -	(60) 3617.50 MVA (55) 1344.50 MVA
Bathinda 220kV S/S 132kV S/S	- -	23x100, 1x50 -	16(387.50) 55(1233.67)	9(150) 4(45.00)	- -	(49) 2887.50 MVA (59) 1278.67 MVA
Jalandhar 220kV S/S 132kV S/S	- -	1x160, 14x100 -	6(134.50) 53(1330.50)	11(178.00) -	- 2(8.00)	(32) 1872.50 MVA (55) 1338.50 MVA
Ludhiana 220kV S/S 132kV S/S	- -	4x160, 37x100 -	5(97.50) 20(483.50)	46(860.00) -	- -	(92) 5297.50 MVA (20) 483.50 MVA
Patiala 400KV S/S 220kV S/S 132kV S/S	2x500 - -	- 2x160, 35x100	- 2(40.00) 13(308.50)	- 39(708.00) -	- - 1(5.00)	(2) 1000.00 MVA (78) 4568.00 MVA (14) 313.50 MVA
Total 400KV S/S	<u>2Nos</u> 1000MVA	-	-	-	-	<u>2 Nos</u> 1000MVA
220KV S/S	-	<u>149 Nos</u> 15220.00 MVA	<u>31 Nos</u> 682.00 MVA	<u>131 Nos</u> 2341.00 MVA	----	<u>311 Nos</u> 18243.00MVA
132KV S/S	-	-----	<u>196 Nos</u> 4700.67 MVA	<u>4 Nos</u> 45.00MVA	<u>3Nos</u> 13.00MVA	<u>203 Nos</u> 4758.67 MVA
Grand Total	<u>2Nos</u> 1000MVA	<u>149Nos</u> 15220.00 MVA	<u>227 Nos</u> 5382.67 MVA	<u>135 Nos</u> 2386.00MVA	<u>3 Nos</u> 13.00 MVA	<u>516 Nos</u> 24001.67 MVA