

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 31.12.2013

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) Installed/ Operative
		400KV	220 KV	132 KV	66 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	-	---	--	20	3	13	23	141	396	-	225	762		
								957.158	88.506	645.220	305.717	119	396	-	222	737		
2.	Bathinda	-	13	21	1	---	--	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	---	--	6	13	1	38	76	302	16	154	548		
								398.510	414.772	16.000	845.365	76	302	16	154	548		
4.	Ludhiana	1	23	8	-	---	--	15	27	1	15	11	614	-	151	776		
								981.364	604.570	42.000	349.713	11	614	-	150	775		
5.	Patiala	1	20	5	2	3	--	4	12	1	15	-	680	-	124	804		
						367.746		216.200	321.624	76.000	205.877	-	680	-	114	794		
<b>TOTAL</b>		<b>2</b>	<b>80</b>	<b>76</b>	<b>4</b>	<b>3</b>	<b>--</b>	<b>61</b>	<b>64</b>	<b>23</b>	<b>117</b>	<b>380</b>	<b>2278</b>	<b>54</b>	<b>822</b>	<b>3534</b>		
						367.746		3504.012	1838.776	796.104	2316.098	358	2278	49	808	3493		
								<b>5342.788</b>			<b>3112.202</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	-	-	35	81, 3BC	66	87, 3BC, 5CB	40	84, 2BC, 16CB	-	3	-	-	61	3725.00	56	1372.00	117	5097.00
Bathinda	-	--	25	43, 4BC	84	54, 1BC, 5CB	56	87, 2BC, 13CB	5	13, 3 CB	-	-	52	3160.00	60	1298.67	112	4458.67
Jalandhar	-	-	14	33, 2BC	66	48, 1CB	28	40, 1BC, 9CB	15	25, 3CB	-	-	33	1897.50	54	1375.50	87	3273.00
Ludhiana	1	-	43	61, 5BC	29	24, 1BC	81	114, 1BC, 17CB	1	2, 1CB	2	630	100	5692.50	18	376.00	120	6698.50
Patiala	2	2	39	77	16	24	76	168, 6BC, 16CB	1	1	2	1000	86	5252.50	14	313.50	102	6566.00
<b>Total</b>	<b>3</b>	<b>2</b>	<b>156</b>	<b>293 14BC</b>	<b>261</b>	<b>237, 5BC, 11CB</b>	<b>281</b>	<b>493, 12BC, 71CB</b>	<b>22</b>	<b>44, 7CB</b>	<b>4</b>	<b>1630</b>	<b>332</b>	<b>19727.50</b>	<b>202</b>	<b>4735.67</b>	<b>538</b>	<b>26093.17</b>

Voltage Wise No. of Power Transformers & Capacity in MVA						
	400KV	220kV	132kV	66kV	33kV	Total (Nos.)
400KV S/Stns	4Nos 1630.00MVA	----	----	----	----	4Nos 1630.00MVA
220kV S/Stns.	----	159 Nos 16400.00 MVA	35 Nos 827.00 MVA	138 Nos 2500.50 MVA	-	332 Nos 19727.50 MVA
132kV S/Stns.	----	----	198 Nos 4698.17MVA	3 Nos 32.50 MVA	1 Nos 5.00 MVA	202 Nos 4735.67 MVA
<b>TOTAL</b>	<b>4Nos 1630.00MVA</b>	<b>159 Nos 16400.00 MVA</b>	<b>232Nos 5525.17 MVA</b>	<b>141 Nos 2545.50 MVA</b>	<b>1 No 5.00 MVA</b>	<b>538 Nos 26093.17MVA</b>

**Total No. of Power Transformer installed ending 31.12.2013 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 220kV S/S 132kV S/S	- -	32x100, 1x50 -	2(22.50) 56(1372.00)	26(452.50) -	- -	(61) 3725.00 MVA (56) 1372.00 MVA
Bathinda 220kV S/S 132kV S/S	- -	1x160 24x100, 1x50	16(387.50) 57(1266.17)	10(162.50) 3(32.50)	- -	(52) 3160.00 MVA (60) 1298.67 MVA
Jalandhar 220kV S/S 132kV S/S	- -	1x160, 14x100 -	7(159.50) 54(1375.50)	11(178.00) -	- -	(33) 1897.50 MVA (54) 1375.50 MVA
Ludhiana 400KV S/S 220kV S/S 132kV S/S	2x315 - -	- 4x160, 39x100 -	- 8(217.50) 18(376.00)	- 49(935.00) -	- - -	(2) 630.00 MVA (100) 5692.50 MVA (18) 376.00 MVA
Patiala 400KV S/S 220kV S/S 132kV S/S	2x500 - -	- 4x160, 38x100 -	- 2(40.00) 13(308.50)	- 42(772.50) -	- - 1(5.00)	(2) 1000.00 MVA (86) 5252.50 MVA (14) 313.50 MVA
Total 400KV S/S	<u>4Nos</u> 1630.00MVA	-	-	-	-	<u>4 Nos</u> 1630.00MVA
<b>220KV S/S</b>	-	<b><u>159 Nos</u></b> 16400.00 MVA	<b><u>35 Nos</u></b> 827.00 MVA	<b><u>138 Nos</u></b> 2500.50 MVA	----	<b><u>332 Nos</u></b> 19727.50MVA
<b>132KV S/S</b>	-	-----	<b><u>198 Nos</u></b> 4698.17 MVA	<b><u>3 Nos</u></b> 32.50MVA	<b><u>1Nos</u></b> 5.00MVA	<b><u>202 Nos</u></b> 4735.67 MVA
<b>Grand Total</b>	<b><u>4Nos</u></b> 1630.00MVA	<b><u>159 Nos</u></b> 16400.00 MVA	<b><u>232 Nos</u></b> 5525.17 MVA	<b><u>141 Nos</u></b> 2533.00MVA	<b><u>1 Nos</u></b> 5.00 MVA	<b><u>538 Nos</u></b> 26093.17 MVA