

TECHNICAL DATA REGARDING P&M ORGANIZATION ENDING 30.09.2013

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		132KV	66KV	33 KV	11 KV	Installed/ Operative		
						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	-	223	738		
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	27	154	559		
								398.510	414.772	16.000	845.365	76	302	27	154	559		
4.	Ludhiana	1	22	9	-	---	--	15	26	1	15	11	614	-	151	776		
								981.364	594.470	42.000	349.713	11	614	-	151	776		
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>79</b>	<b>77</b>	<b>4</b>	<b>3</b>	<b>--</b>	<b>61</b>	<b>63</b>	<b>23</b>	<b>117</b>	<b>380</b>	<b>2278</b>	<b>65</b>	<b>822</b>	<b>3545</b>		
						<b>367.746</b>		<b>3504.012</b>	<b>1828.676</b>	<b>796.104</b>	<b>2316.098</b>	<b>358</b>	<b>2278</b>	<b>60</b>	<b>870</b>	<b>3506</b>		
								<b>5332.688</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	3717.50	55	1352.00	116	5069.50
Bathinda	-	--	23	41, 4BC	83	54, 1BC, 5CB	54	87, 2BC, 13CB	5	13, 3 CB	-	-	51	3000.00	59	1286.17	110	4286.17
Jalandhar	-	-	14	33, 2BC	66	48, 1CB	28	40, 1BC, 9CB	15	25, 3CB	-	-	32	1872.50	55	1371.00	87	3243.50
Ludhiana	1	-	43	61, 5BC	29	24, 1BC	80	114, 1BC, 17CB	1	2, 1CB	1	315	94	5440.00	22	508.50	117	6263.50
Patiala	2	2	39	77	16	24	76	168, 6BC, 16CB	1	1	2	1000	85	5220.50	14	313.50	101	6534.00
<b>Total</b>	<b>3</b>	<b>2</b>	<b>154</b>	<b>293 14BC</b>	<b>260</b>	<b>237, 5BC, 11CB</b>	<b>278</b>	<b>493, 12BC, 71CB</b>	<b>22</b>	<b>44, 7CB</b>	<b>3</b>	<b>1315</b>	<b>323</b>	<b>19250.50</b>	<b>205</b>	<b>4831.17</b>	<b>531</b>	<b>25396.67</b>

Voltage Wise No. of Power Transformers & Capacity in MVA						
	400KV	220kv	132kv	66kv	33kv	Total (Nos.)
400KV S/Stns	3Nos 1315.00MVA	----	----	----	----	3Nos 1315.00MVA
220kv S/Stns.	----	157 Nos 16140.00 MVA	31 Nos 689.50 MVA	135 Nos 2421.00 MVA	-	323 Nos 19250.50 MVA
132kv S/Stns.	----	----	199 Nos 4785.67MVA	3 Nos 32.50 MVA	3 Nos 13.00 MVA	205 Nos 4831.17 MVA
<b>TOTAL</b>	<b>3Nos</b> 1315.00MVA	<b>157 Nos</b> 16140.00 MVA	<b>230Nos</b> 5475.17 MVA	<b>138 Nos</b> 2453.50 MVA	<b>3 No</b> 13.00 MVA	<b>531 Nos</b> 25396.67MVA

**Total No. of Power Transformer installed ending 30.09.2013 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) 55(1352.00)	26(445.00) -	- -	(61) 3717.50 MVA (55) 1352.00 MVA
Bathinda 220kV S/S 132kV S/S	- -	24x100, 1x50 -	16(387.50) 56(1253.67)	10(162.50) 3(32.50)	- -	(51) 3000.00 MVA (59) 1286.17 MVA
Jalandhar 220kV S/S 132kV S/S	- -	1x160, 14x100 -	6(134.50) 53(1371.00)	11(178.00) -	- 2(8.00)	(32) 1872.50 MVA (55) 1371.00 MVA
Ludhiana 400KV S/S 220kV S/S 132kV S/S	1x315 - -	- 4x160, 38x100 -	- 5(105.00) 22(508.50)	- 47(895.00) -	- - -	(1) 315.00 MVA (94) 5440.00 MVA (22) 508.50 MVA
Patiala 400KV S/S 220kV S/S 132kV S/S	2x500 - -	- 4x160, 38x100 -	- 2(40.00) 13(308.50)	- 41(740.50) -	- - 1(5.00)	(2) 1000.00 MVA (85) 5220.50 MVA (14) 313.50 MVA
Total 400KV S/S	<u>3Nos</u> 1315.00MVA	-	-	-	-	<u>3 Nos</u> 1315.00MVA
<b>220KV S/S</b>	-	<u>157 Nos</u> 16140.00 MVA	<u>31 Nos</u> 689.50 MVA	<u>135 Nos</u> 2421.00 MVA	----	<u>323 Nos</u> 19250.50MVA
<b>132KV S/S</b>	-	-----	<u>199 Nos</u> 4785.67 MVA	<u>3 Nos</u> 32.50MVA	<u>3Nos</u> 13.00MVA	<u>205 Nos</u> 4831.17 MVA
<b>Grand Total</b>	<u>3Nos</u> 1315.00MVA	<u>157 Nos</u> 16140.00 MVA	<u>230 Nos</u> 5475.17 MVA	<u>138 Nos</u> 2453.50MVA	<u>3 Nos</u> 13.00 MVA	<u>531 Nos</u> 25396.67 MVA