

**DETAILS OF SUBSTATIONS AND LINES COMMISSIONED DURING
APRIL 2010 TO MARCH 2011 IN ANDHRA PRADESH**

I. 220 kV LINES CHARGED

A. Commissioned during 01/04/10 to 28/ 03/11

Sl.No.	Name of the line	Length in CKM	Date of charging	Remarks
1	220 kV LILO line to Nagaram Switching Station from Pulakurthy – Ramappa 220 kV line.	2.50	25.04.2010	
2	220 kV LILO to Parchur SS from Tadikonda - Ongole line	7.50	17.05.2010	
3	220 kV LILO to Sivarampalli SS from HIAL- Gachibowli line	1.50	03.06.2010	
4	220 kV LILO to Salivagu SS from Pulakurthy - Ramappa line	0.70	29.08.2010	
5	220 kV DC line from Veltor to Wanaparthy	39.75	08.09.2010	
6	220 kV LILO to Chilakallu from VTS-Narketpally line	5.41	03.10.2010	
7	220 kV LILO to Brahmanakotkur from Narnoor - Wanapathy line	26.34	29.10.2010	
8	220 kV DC line from Brahmanakotkur to Malyala	21.24	06.01.2011	
9	220 KV LILO to 400 KV Gajwel SS from Medchal - Minpur Line	80.00	19.03.2011	
	Total	184.95		

B. Work will be completed during 03/11

1	220 KV DC Line from VTS- Tallapally line	266.00	Works will be completed by 31.03.2011. PTCC approval to be given. Telecom details to be furnished by DGM/Telecom /VJA &Guntur to DE/PTCC/Chennai.
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III. 132 kV LINES CHARGED

Sl.No.	Name of the line	Length in CKM	Date of charging	Remarks
	A. Commissioned during 01/ 04/10 to 28/03/11			
1	132 kV DC/SC line from Waddekothapalli to 132 kV Peddanagaram SS.	30.000	30.04.2010	
2	132 kV DC/SC line from Manthani to 132 kV Chennue SS	28.850	05.05.2010	
3	132 kV LILO to 400 kV Gajwel from 132 kV Manoharabad - Tukkapur line	18.984	22.05.2010	
4	132 kV LILO line to proposed 132/33 kV Chityala SS from RSS - Chelpur 132 kV line	20.220	03.06.2010	
5	132 kV LILO line from Gajuwaka - Simhachalam circuit -3 to VSEZ 132 kV SS	8.000	03.06.2010	
6	132 kV LILO line to proposed 132/33 kV Pydibheemavaram SS from 132 kV Garividi - Chilakapalem line	38.000	18.06.2010	
7	132 kV DC/SC line from Kanigiri to proposed Pamuru SS	36.400	18.07.2010	
8	132 kV LILO to proposed Karampudi 132/33 kV SS from Tadikonda - Macherla line	1.360	19.07.2010	
9	132kV LILO line from 132kV Bommuru – R.C Puram 132 kV line to the proposed 132kV Editha SS	9.800	30.07.2010	
10	132KV LILO to 400/220/132 kV Manubolu SS from existing 132kV	24.000	05.08.2010	
11	132 kV DC/SC line from Tandur 220 kV SS to 132 kV RTSS Tandur	2.400	27.09.2010	
12	132 kV LILO line to 220 kV Sadasivapet from 132 kV Sadasivapet - Zaheerabad line	4.000	30.9.2010	
13	2 nd circuit stringing on Bommur-Mallayapet 132 kv line	20.000	02.10.2010	
14	132 kV DC/SC line from Kamavarapukota 220 kV ss to Jangareddygudem	17.000	09.10.2010	
15	2 nd circuit stringing on Narasaraopeta - Chilakaluripeta 132 kv line	23.000	11.10.2010	

16	132 kv LILO line to 132 kV Kangal Substation from Halia - Nalgonda 132 kV line	12.000	04.11.2010	
17	132 kv LILO line to 132 kV Kothakota from Wanaparthy - Bhoothpur 132 kV line	30.212	16.11.2010	
18	132 kV DC line from Kmpally - Nasarapally Sw.Stn	18.820	30.11.2010	
19	132 kv LILO line to 132 kV Midjil Substation from Kalwakurthy - Nagarkurnool 132 kV line	38.628	18.12.2010	
20	132 kV DC line from Kothakota SS to Tirumalayapalli SS	11.352	24.12.2010	
21	132 kV DC/SC line from 220 kV Hindupur SS to 132 kV Thumukunta SS	20.122	26.12.2010	
22	132 kv DC/SC line from Nasarlapally- Godakondla Sw.Stn	33.068	31.12. 2010	
23	132 kV LILO line to 220 kV Sadasivapet from 132 kV Sadasivapet - Singore line	9.20	29.01.2011	
24	132 KV LILO line from Ananthapur - Kalyandurg DC/SC line to 132 /11 KV SS at Ankampalli	15.53	16.3.2011	
25	132 KV LILO to Vikarabad RTSS from Dharmasagar - Parigi line.	15.04	25.3.2011	
26	132 KV LILO to Yellampalli from RGM - Laxettipet line	0.54	25.3.2011	
	Total	486.52		

B. Expected for commission during 03/11

SI.No.	Name of the line	Length in CKM	Proposed to charge on	Remarks
1	132 kv LILO to Discincherla from Miryalaguda - My home cements line	1.00	31.3.2011	

1.00

II. 220 kV SUBSTATIONS COMMISSIONED

SI.No.	Name of the Substation	Voltage Ratio	Tr. Capacity in MVA	Date of charging
A. Commissioned during 01/ 04/10 to 28/03/11				
1	Parchur	220/132	100.00	17.05.2010
2	Salivagu	220/11	50.00	29.08.2010
3	Brahmanakotkur	220/11	25.00	29.10.2010
4	Malyala	220/11	31.50	06.01.2011
		Total	206.50	

B. Expected for commission during 03/11

SI.No.	Name of the Sub station	Voltage Ratio	Tr. Capacity in MVA	Proposed to charge on
1	Jurala	220/132	200	31.3.2011

IV 132 kV SUBSTATIONS COMMISSIONED

Sl.No.	Name of the Substation	Voltage Ratio	Tr. Capacity in MVA	Date of charging
A. Commissioned during 01/ 04/10 to 28/03/11				
1	Peddaganarm	132/33 kV	16.00	30.04.2010
2	Chennur	132/33 kV	16.00	05.05.2010
3	VSEZ	132/33 kV	32.00	03.06.2010
4	Chityala	132/33 kV	32.00	03.06.2010
5	Sambepalle	132/33 kV	32.00	04.06.2010
6	Pydibheemavaram	132/33 kV	31.50	18.06.2010
7	Pamaruru	132/33 kV	31.50	18.07.2010
8	Karampudi	132/33 kV	31.50	19.07.2010
9	Editha	132/33 kV	31.50	30.07.2010
10	Kanagal	132/33 kV	16.00	11.11.2010
11	RTSS Kadapa SW.station	132 KV Sw. Stn		12.11.2010
12	Midjil	132/33 kV	16.00	18.12.2010
13	Thumkunta	132/33 kV	47.50	26.12.2010
14	Ankireddy Pally	132/33 kV	16.00	9.03.2011
15	Ankampalli	132/11 KV	48.00	16.3.2011
16	Yellampalli	132/11 KV	32.00	25.3.2011
17	RTSS Vikarabad	132 KV Sw. Stn	-	26.3.2011
		Total	429.50	

B. Expected for commission during 03/11

Sl.No.	Name of the Sub station	Voltage Ratio	Tr. Capacity in MVA	Proposed to charge on
1	Chintal	132/33 kV	81.50	28.3.2011
2	Disincherla	132/33 kV	32.00	31.3.2011
		Total	113.50	

VI. AUGMENTATION OF 132 kV TRANSFORMER CAPACITY AT 132 kV SUBSTATIONS

Sl.No.	Name of the Substation	Existing (MVA)	Augmented (MVA) to	Net increase in Transformer Capacity (MVA)	Date of charging
A. DURING 04/10 to 02/11					
1	132/33 kV Nagari.	2 x 10/16	1 x31.5 + 1 x16	15.50	01.04.2010
2	132/33 kV Singore.	1 x 10/16	2 x 10/16	16.00	16.04.2010
3	220/132/33 kV Nunna.	1 x 100+1x16	1 x100 + 2 x 16	16.00	17.04.2010
4	220/132/33 kV Malkaram.	1x100+1x50	1 x100 + 2 x 50	50.00	23.04.2010
5	220/132/33 kV Kakinada.	3 x 100 + 1 x 50 + 1 x 31.5	1 x100 + 2 x 50	18.50	26.04.2010
6	132/33 kV Kothur	1x50+1x31.5	1 x 50 + 2 x 31.5	31.50	26.04.2010
7	220/132/33 kV Gajuwaka	2x31.5	1x31.5+1x50	18.50	03.05.2010
8	132/33 kV Bollaram	2x31.5+ 1x 16	3x31.5	15.50	05.05.2010
9	132/33 kV Gudur	1x16	2x16	16.00	28.05.2010
10	220/132 kV Gachibowli	2x50	3x50	50.00	07.06.2010
11	132/33 kV Tanuku	1x31.5 +1 x25	1x31.5 +2 x25	25.00	19.06.2010
12	220/132 kV Waddakothapalli	1x50+1x31.5	2 x50	18.50	21.06.2010
13	132/33 kV Jangareddygudem	2x16	1x16+1x 31.5	15.50	24.06.2010
14	132/33 kV Martur	2x16	1x16+1x 31.5	15.50	03.07.2010
15	132/33 kV Ramachandrapuram	2x16	1x16+1x 31.5	15.50	10.07.2010
16	220/132 kV Ongole	1x31.5	2x31.5	31.50	11.07.2010
17	132/33 kV Vijayawada	2x31.5	1x50+1x31.5	18.50	14.07.2010
18	132/33 kV Jubleehills	1x31.5 +1x 50+1x80	2x50+1x80	18.50	19.07.2010
19	132/33 kV Payakaraopet	2x16	1x16+1x 31.5	15.50	21.07.2010
20	132/33 kV Prattipadu	1x16	2x16	16.00	26.07.2010
21	132/33 kV Peddapuram	2x31.5	1x16+2x 31.5	16.00	31.07.2010
22	132/33 kV Bhimadolu	1x31.5 +1x 50	1x16+1x 31.5+1x50	16.00	31.07.2010
23	132/33 kV Naidupeta	1x16	1x16+1x 31.5	31.50	09.08.2010
24	132/33 kV Avanigadda	1x16	2x16	16.00	29.08.2010
25	220/132 kV Shamshabad	1x31.5+ 1x 16	2x31.5	15.50	31.08.2010
26	132/33 kV Kasimkota	1x31.5+ 1x 16	2x31.5	15.50	04.09.2010
27	132/33 kV Kandukur	2x16	1x16+1x 31.5	15.50	07.09.2010

28	132/33 kV Saggonda	2x16	1x16+1x 31.5	15.50	15.09.2010
29	132/33 kV Gudivada	2x16	1x16+1x 31.5	15.50	23.09.2010
30	132/33 kV Ramachandrapuram	1x31.5 +1x 50	2 x 50	18.50	31.07.2010
31	132/33 kV Pathikonda	1x31.5 +1x 16	2 x 31.50	15.50	12.08.2010
32	132/33 kv Narsampet	2x16	1x16+1x 31.5	15.50	01.10.2010
33	132/33 kv Marriguda	2x16	1x16+1x 31.5	15.50	22.10.2010
34	132/33 kv Machilipatnam	1x31.5 +1x 16	2 x 31.50	15.50	23.10.2010
35	132/33 kV Puttaparthi	1x31.5 +1x 16	2 x 31.50	15.50	12.11.2010
36	132/33 kv Vempalli	2x16	1x16+1x 31.5	15.50	13.11.2010
37	132/33 kV Balanagar	1x31.5 +1x 50	1 x 50 + 2 x31.5	31.50	15.11.2010
38	132/33 kV Guntakal	2x16	1x16+1x 31.5	15.50	16.11.2010
39	132/33 kV Nizamabad	1x31.5 +1x 50	1 x 50 + 2 x31.5	31.50	19.11.2010
40	220/132 kV Dairy Farm	1x31.5 +1x 16	1 x 50 + 1 x31.5	34.00	22.12.2010
41	132/33 kV Tadepalli	1x31.5 +1x 15	2x 31.5	16.50	30.12.2010
42	132/33 kV Sugulampally	1x31.5 +1x 16	2 x31.5	15.50	13.01.2011
43	132/33 kV Maddur	2x16	1x16+1x 31.5	15.50	21.01.2011
44	132/33 kV Kothavalasa	1x 16 +1x 12	1 x16 + 1 x31.5	19.50	27.01.2011
45	132/33 kV Marikal	2x16	1x16+1x 31.5	15.50	31.01.2011
46	132/33 kV Pedavegi	2x16	1x16+1x 31.5	15.50	03.02.2011
47	132/33 kV Bandlaguda	3 x50	1 x80 +2 x50	30.00	12.02.2011
48	220/132 kV Ghanapur	1x31.5 +1x 16	2 x31.5	15.50	15.02.2011
49	132/33 kV Guntur	3x 31.5	2 x31.5 + 1x50	18.50	21.02.2011
50	132/33 kV Asifnagar	1x31.5 +1x 50	2 x 50	18.50	21.02.2011
51	132/33 kV Erragadda	1x80+1x75 +1x50+1x40	2 x80+1x50+1x4-	5.00	23.02.2011
52	132/33 kV Mothukur	2x16	1x16+1x 31.5	15.50	27.02.2011
53	132/33 kV Kadiri	2 x31.5	1x31.5+1x50	18.50	28.02.2011
		TOTAL		1038.00	
	B. DURING 02/11				
1	132/33 kV Pedavegi	2x16	1x16+1x 31.5	15.50	03.02.2011
2	132/33 kV Bandlaguda	3 x50	1 x80 +2 x50	30.00	12.02.2011
3	220/132 kV Ghanapur	1x31.5 +1x 16	2 x31.5	15.50	15.02.2011

4	132/33 kV Guntur	3x 31.5	2 x31.5 + 1x50	18.50	21.02.2011
5	132/33 kV Asifnagar	1x31.5 +1x 50	2 x 50	18.50	21.02.2011
6	132/33 kV Erragadda	1x80+1x75 +1x50+1x40	2 x80+1x50+1x4-	5.00	23.02.2011
7	132/33 kV Mothukur	2x16	1x16+1x 31.5	15.50	27.02.2011
8	132/33 kV Kadiri	2 x31.5	1x31.5+1x50	18.50	28.02.2011
		TOTAL		137.00	

VII. 33 kV & 132 kV SHUNT CAPACITOR BANKS INSTALLED

SI.No.	Description	Installed upto 01/11	Installed during 02/11	Total banks installed
	----- MVAR -----			
	A) 33 kV SHUNT CAPACITORS	2910		2910
	B) 132 kV SHUNT CAPACITORS	390		390
	C) TOTAL CAPACITORS SUPPORT NOW IN THE SYSTEM	3300		3300

CHIEF ENGINEER (CONSTRUCTION) - I