

Physical Progress of 400kV Transmission Schemes approved by APERC as
on 31-03-2008

1.0 400kV Simhadri - Vizag Transmission Scheme:

All the lines and Sub-Stations covered under Phase-I and Phase - II of the Scheme are completed and Commissioned by Dec'2005.

2.1 400kV Chittoor Sub-Station:

All the lines and Sub-stations covered under the said scheme are completed and commissioned by Mar'2006.

2.2 400kV Nellore Sub-Station:

All the lines and Sub-station covered under the said scheme are completed and Commissioned by April'2006 except 220kV Nellore – Renigunta DC LILO line that is charged on 25-06-2007 & 26-06-2007.

3.0 400kV Mahaboobnagar Sub-Station:

All the lines and Sub-station covered under the said scheme are completed and Commissioned by Oct'2005.

4.0 Short Gestation Transmission Scheme - I:

All the lines covered under the above scheme are completed and commissioned by Aug'2006.

5.0 Dichpally & Gajwel Transmission Scheme:

5.1 400kV Ramagundam - Dichpally Line:

All the works are completed and the line is commissioned on 30.03.2008. The Commercial Operation Started from 05.04.2008

5.2 Dichpally Sub-Station:

The Commercial Operation Started from 05.04.2008 with one 315 MVA Power Transformer. The second transformer works are under Progress and expected to be commissioned by April 2008.

5.3 Gajwel Substation:

Compound wall completed. Control room Ist floor and IInd floor slab completed. Fire fighting system pump house, store room completed. 581 Nos out of 631 Nos. foundations completed and 687 Nos. out of 744Nos. Structures erection are completed, 176 Nos out of 291 Nos Equipment Erection is completed. Erection of C & Panels and Cable laying are under progress. The Substation is expected to be commission by May 2008.

5.4 LILO of 400kV GAJWEL SS:

36 Nos. out of 38 Nos. foundations completed and 30 Nos. out of 38 Nos. tower erection completed. 9.548ckm out of 21.14 Ckm Stringing is completed. The Line is expected to be commission by May 2008.

5.4 400kV Bay Extension at Ramagundam (NTPC Switch Yard) :

All the works completed and the bay extension is in Commercial Operation since 05.04.2008.

- 6.0 Short Gestation Power Transmission Scheme-II (Narasaraopeta 400/220kV Substation and associated Lines) :**
Administrative approval for the scheme is obtained and loan funding from REC is sanctioned for Rs. 252.74 Crs. The investment approval of APERC is received on 04-01-2006. Acquiring of New site for Narsaraopet Substation is under progress.
Detailed Line Surveys are completed. Technical Bids for 400kV Lines are opened on 29-06-2006. Due to non-finalisation of Narsaraopet site the tenders are cancelled and will be called again after finalisation of site.
- 6.1 Bay Extension Works at Vemagiri SS :**
All works are completed The bays are test charged on 1st March 2008 and Commercial operation started from 26.03.2008. The Bay extension works for GVK Bays Tender specification under Progress.
- 7.0 400kV Ring main around twin cities of Hyderabad & Ranga Reddy districts :**
APTRANSCO has accorded Administrative approval and PFC has sanctioned a loan for Rs. 374.90 Crs. The approval of APERC is received on 24-11-2006.
Line Surveys are completed. Technical Bids for all 400kV line works opened on 21-06-2006. The tenders are cancelled due to non-finalisation of Yeddumailaram site. At present the acquisition of Yeddumailaram site is under process.
The tender specification for Yeddumailaram SS is under preparation and Tender specification under preparation for Mamidipally to Gajwel via Yeddumailaram.
- 7.1 Malkaram 400kV Sub-Station:**
The land for Malkaram 400 kV S/S is identified and the Malkaram Sub-Station tender is called again on e-procurement after finalisation of site. Pre-qualification bids were opened on 31-08-2007. The tenders were again cancelled. Now again the tender is floated on e-procurement platform on turnkey basis and due for opening on 28-08-2008.
- 7.2 LILO of 400kV Malkaram SS:**
Works are under progress. 44 Nos. foundations out of 76 Nos. completed. 36 Nos. towers erection out of 76 completed. Stringing yet to be started.
- 8.0 400kV Augmentation Scheme:**
Administrative approval for the scheme is obtained and loan funding from Allahabad Bank is sanctioned for Rs.62.52 Cr. The approval of APERC is obtained on 03-01-2007. The orders are placed for Procurement of Power Transformers and tenders are called for on e-procurement platform for bay extensions at Chittoor and Mahaboobnagar 400/220 kV Substations.
- 8.1 400 kV Mamidipally SS:**
1 No. 400kV bay extension works at Mamidipally 400/220kV Substation are completed and commissioned on 11-12-2007.
- 9.0 Vijayawada Power Transmission Scheme :** The investment approval of APERC is obtained on 31-01-2008 for LILO of Nunna – Srisailam/ Narasaraopeta 400kV D/C Line to VTPS (Stage-IV) -. Tenders are called and Technical Bids are opened on 31-01-2008. The work is awarded to M/s. Bajaj Electricals, Pune and the works will commence soon. Likely completion date is September, 2008.

Progress of 400 kV Transmission Schemes up to 31-03-2008
(FY 2007 - 08)

(Rs.in Crores)

Sl. No.	Work set to be Achieved	Description of Milestone to be achieved	% work completed	Amount provided in FY 07-08 Tariff Order	Amount Actually spent	Amount required to complete the project
Simhadri - Vizag Transmission System Project (Phase-II) - Commission Reference No (CRN) : APT/TS/400/F-INVT-4/2002 :						
1 (a)	400kV Vizag-Vemagiri DC Line	Charged on 10-09-2005	100%	1.00	1.10	0.90
1 (b)	400kV Vemagiri-Nunna DC Line	Charged on 30-12-2005	100%			
2	400kV Vemagiri Sub-Station	Charged on 11-09-2005	100%			
3	Bay Extension at Nunna	Charged on 30-12-2005	100%			
NOTE: All works covered under Phase-I completed prior to February 2003; All the works under Phase-II are completed by December 2005.						
Erection of 400kV SubStations at Chittoor & Nellore under System Improvement (CRN : APT/TS/400/F-INVT-6/2002)						
1	400kV Nellore Sub-Station	charged on 27-12-2005 with 1st Transformer and on 30-04-2006 on 2nd Transformer.	100%	1.00	0.27	2.73
2	400kV Chittoor Sub-Station	Idle charged on 17-02-2006 and put into commercial service from 03-03-2006.	100%			
3	LILO of 400kV DC Line from Cuddaph to Madras 400kV SC line to Chittoor 400kV SS	Charged on 16-02-2006.	100%			
4	LILO of 220kV Chittoor to Renigunta 220kV DC Line at Chittoor 400kV SS.	Charged on 14-02-2006 and 17-02-2006.	100%			
5	LILO of Nellore -Renigunta 220kV DC Line to Nellore 400kV SS.	Charged on 25-06-2007 & 26-06-2007	100%			
6	LILO of Nellore-Sullurpet 220kV SC Line at Nellore 400kV SS.	charged on 27-12-2005	100%			
Erection of 400kV Sub-Station at Mahaboobnagar under System Improvement (CRN : APT/TS/400/F-INVT-5/2002)						
1	400kV Mahaboobnagar Sub-Station	Charged on 17-10-2005.	100%	0.50	0.14	0.36
2	400kV DC line from 400kV Tallapally - Raichur to Mahaboobnagar 400kV Sub-Station	Charged on 17-10-2005.	100%			
3	220kV DC line from Mahaboobnagar 400kV SS to Bhootpur 220kV SS	Charged on 18-10-2005	100%			
Ditchpally & Gajwel Transmission Scheme under System Improvement (CRN : APT/TS/400/F-INVT-47/2005) :						
1	Dichpally 400kV SS	Charged on 07..02.2008	100%	137.00 (RE : 117.00)	78.62	228.42
2	Gajwel 400kV SS	28-02-2008	80%			
3	400kV Ramagundam - Ditchpally Line	Charged on 30.03.2008	100%			
4	LILO from Ramagundam - Ghanapur 400kV SC Line to Gajwel 400kV SS	28-02-2008	80%			
5	220kV DC Line from 400kV Dichpally-220kV Dichpally	Charged on 11-01-2008	100%			
6	220kV Bay Extensions at 220kV Dichpally Sub-Station - 2 Nos.	Charged on 11-01-2008	100%			
7	220kV Transmission Lines	28-02-2008	---			
8	220kV Bay Extensions	28-02-2008	---			
9	400kV Bay Extensions at Ramagundam	Charged on 30.03.2008	100%			

(FY 2007 - 08)							(Rs.in Crores)
Sl. No.	Work set to be Achieved	Description of Milestone to be achieved	% work completed	Amount provided in FY 07-08 Tariff Order	Amount Actually spent	Amount required to complete the project	
Short Gestation Transmission Scheme-I (CRN : APT / TS / 400 / F - INVT - 35/2003) :							
1	400kV Konaseema CAPP-Vemagiri DC	Charged on 17-07-2006	100%	0.50	1.48	1.25	
2	400kV Gouthami CAPP-Vemagiri DC	Charged on 16-08-2006 and 17-08-2006.					
3	400kV Jegurupadu Stage-II Vemagiri DC	Charged on 27-09-2005					
4	400kV Vemagiri - Vemagiri Line DC	Charged on 11-09-2005					
Short Gestation Transmission Scheme-II (CRN : APT / TS / 400 / F - INVT - 55 /2006) :							
1	400kV Bay Extensions at Vemagiri	2 bays charged on 26.03.2008 and Tender specification is under process for another 2 bays.	100%	20.00 (RE 10.00)	5.54	317.58	
2	Narsaraopet 400/220 kV Substation	2009-10	---				
3	LILO from Srisaialam - Nunna 400kV DC Line to Narsaraopet 400/220 kV SS						
4	Vemagiri - Narsaraopet 400kV DC Line (extension of Vemagiri - Nunna 400kV DC line from Nunna to Narsaraopet 400kV SS)						
5	Narsaraopet 220/132 kV Substation						
6	Parchur 220/132 kV Substation						
7	220 kV D/C Line from Narasaraopeta (400kV) to Narasaraopeta (220kV)						
8	220 kV D/C Line from Narasaraopeta (400kV) to Parchur 220kV SS						
9	220 kV D/C Line from Parchur to Podili 220 kV SS						
400kV Ringmain around Twin cities of Hyderabad and R.R.Dt. (CRN : APT / TS / 400 / F - INVT - 66/2006) :							
1	LILO from Ramagundam-Ghanapur 400kV S/C line to Malkaram 400/220kV Substation	30-09-2008	40%	20.00 (RE 10.00)	5.71	431.615	
2	400 kV Substation at Malkaram	30-10-2009	--				
3	Hyderabad - Yeddumailaram 400kV DC Line	2009-10	---				
4	Yeddumailaram - Gajwel 400kV DC Line						
5	400/220 kV Substation at Yeddumailaram						
6	400kV Bay extensions at Hyderabad S/S						
7	400kV Bay extensions at Gajwel Substation						
8	Yeddumailaram 400kV to Yeddumailaram 220kV DC Line						
9	220kV Bes at 220kV Yeddumailaram Sub-station						
400kV Augmentation Scheme (CRN : APT / TS / 400 / F - INVT - 69/2007) :							
1	Augmentation of Power Transformer capacity at 400KV Mamidipally SS	Charged on 11-12-2007	100%	25.00 (RE : 10.00)	1.55	88.45	
2	Augmentation of Power Transformer capacity at 400KV Mahaboobnagar SS	30-07-2009	---				
3	Augmentation of Power Transformer capacity at 400KV Chittor SS	30-07-2009					
Vijayawada Power Transmission Scheme (CRN : APT / TS / 400 / F - INVT - 69/2007) :							
1	LILO of Nunna - Srisaialam DC Line to VTPS	September'2008	---	2.50	0.00	20.00	