

Status of 400kV Transmission Schemes as on 31.03.2014

1.0 Short Gestation Power Transmission Scheme-II :

1.1 Narsaraopet (Sattenapalli) 400kV Substation (March'14):

The substation was idle charged on 26.02.2014 with 1No.315 PTR and put into commercial operation from 31.03.2014.

1.2 Narsaraopet Connected Lines:

1.2.1 Purushottapatnam (Nunna) to (Jujjuru) line (56 km)(Oct'2014): Purchase order issued on 11.03.2011. . The contract was cancelled. New Tenders were called and Purchase order issued on 29.04.2013.126 Nos. out of 166 Nos. foundations and 101 Nos. Tower erection are completed

1.2.2 Jujjuru to Sattenapalli and LILO of VTS - SSLM line (67km) (March'14): Purchase order issued on 09.03.2011. All 178 Nos. foundations are completed.175 Nos. out of 178 Nos. Tower erections are completed. 60.166 km out of 67.096 km stringing completed.

400kV LILO of VTS – SSLM (14 km) : LILO line was charged on 12.02.2014.

2.0 400kV Ring Main Transmission Scheme:

2.1 Shankarapally (Yeddumailaram) 400/220kV Sub-Station: The substation was charged on 18.11.2012 with 1 No.315 MVA PTR. 2nd and 3rd 315 MVA PTRs are charged on 06.03.2013.

2.2 Gajwel – Shankarapally (Yeddumailaram) 400KV DC Line (105 km)(Nov'2012):

The line was charged on 17.11.2012.

2.3 For LILO of Srisailam-Mamidipally 400kVDC Line to the proposed 400kV Shankarapally(Yeddumailaram) Substation :

a) Yedduailaram to Edulapally (LOC 109) (41.172 km): Purchase order issued on 04.03.2011. 115 Nos. out of 115 Nos. foundations are completed. 72 Nos. out of 115 Nos. tower erection completed.

b) Edulapally (LOC109 to LILO point of SSLM - HYD Line (LOC341.)(37.219km): Purchase order issued on 04.03.2011. 104 No. out of 106 Nos. foundations and 44 Nos. Tower erection is completed.

As the contractor has failed in completion of work, the above two contracts were terminated. New tenders are called for and P.O. was issued on 04.02.2014.22 Nos.out of 100 Nos.tower erection are completed.3.5 kMs paving out of conductor is in progress.

2.4 2 Nos. 400kV Bay Extensions at Gajwel Substation: Commissioned on 28.09.2012.

3.0 Vijayawada Power Transmission Scheme:

3.1 (a) VTPS – Malkaram 400kV Line:

The circuit –I of the line is commissioned on 13.02.2013.

The circuit –II of the line is commissioned on 1.04.2013.

(b) 400kV Bay Extensions at Malkaram Substation and Augmentation of 1 No. 315 MVA PTR at Malkaram 400kV SS :

400KV Bays were charged on 04.01.2013

3rd 315MVA Transformer was charged on 16.02.2013.

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4.0 Bhoopalapally Power Transmission Scheme:

4.1 Bhoopalapally – Gajwel 400kV DC Line (131.166 kM) (July'2013):

The line is charged from Gajwel end on 30.08.2013 and put into commercial operation from 26.09.2013.

4.2 2 Nos. 400kV Bay Extensions at Gajwel Substation: Commissioned on 28.09.2012.

5.0 Reactors Scheme:

Name of the Substation	Actual Dates of charging
Kalpaka	Bus reactor charged on 24.04.2012.
Mamidipally	Line reactor charged on 09.05.2012.
Kurnool	Bus reactor charged on 22.08.2012.

6.0 Krishnapatnam Power Transmission Scheme:

6.1 Krishnapatnam TPS – Nellore Quad D/C Line (36 kM) (Nov'2012):

The line was charged on 23.11.2012.

6.2 Krishnapatnam TPP - Bonapally 400kV Quad D/C Line (89.921 kM)(June'14) & Bonapally -Chittoor 400kV Quad (97.808 kM)(April'14) D/C Line :

Purchase orders issued on 28.07.2011.

246 Nos. out of 272 Nos. foundations and 231 Nos. out of 272 Nos. tower erections and 40.068 kM stringing are completed in Krishnapatnam TPP - Bonapally 400kV Quad D/C Line.

All 281 Nos. foundations , all 281 Nos. Tower Erection and 77.261 kM stringing are completed for Bonapally – Chittoor 400kV Quad DC Line.

6.3 400kV Quad Bay Extensions at Chittoor and Nellore Substations: Purchase order issued on 11.10.2011.

At Nellore 400kV SS: The bay extensions were charged on 05.11.2012.

At Chittoor 400kV SS: The bays were charged on 23.01.2014. Balance works like compound wall, road, drains and metal spreading are under progress.

6.4 3rd 315 MVA ,400/220kV PTR Augmentation works at 400/220kV Chittoor and Nellore Substations:

Tenders were called for the Augmentation works .As the quoted price of 2 Nos. participated bidders in the tender is very high, APTRANSCO decided to terminate the tender and call for fresh tenders.

7.0 Rayalaseema Power Transmission Scheme:

7.1 RTPP (Stage-IV) to Chittoor 400kV Twin moose DC line: LOI issued on 5.03.2014.

7.2 2 Nos.400kV Bays at Chittoor: The tenders are opened and Bid Evaluation under process.

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8.0 Evacuation of Wind Power in Kadapa, Anantapur and Kurnool districts of Andhra Pradesh:

8.1 400kV Uravakonda Substation(2x315 MVA) along with 2 Nos. 400kV Quad Bays at 400/220kV Veltoor Substation:

Both the Works are awarded .Survey, levels fixing is completed at Uravakonda Substation.Levelling and Boundary wall excavation are under progress at this site.

Survey and level fixing is completed for bays at Veltooor Substation.Levelling, Excavation and PCC for foundation works is in progress at this site.

8.2 400kV Jammalamadugu (Kondapuram) Substation (2x315 MVA):

Work awarded to M/s. Techno Electric Electrical and Engineering Company Limited and Works to commence.

8.3 (i) 400kV Veltoor – Yemmignoor Quad DC line (95.24 km):

Work was awarded on 13.12.2013.Check survey in under progress.

(ii)400kV Yemmignoor – Uravakonda Quad DC line (102.60 km)(July'2015):

Work was awarded on 16.12.2013. Check survey in under progress. 3 Nos. out of 286 Nos. foundations completed.

8.4 400kV Jammalamadugu – Narnoor (Kurnool) (105 km)(July'2015) Quad DC line:

Work was awarded on 28.12.2013.Works commenced.2 Nos. out of 306 foundations completed.

8.5 400kV Jammalamadugu – Uravakonda Quad DC Line (132 km):

Work was awarded on 23.01.2014.Check survey under progress.

9.0 Evacuation of power from HNPCL (1040 MW) power plant and Associated Transmission network for HNPCL under system improvement:

9.1 Kamavarapukota 400kV Substation (2x315 MVA):

LOI is issued on 26.03.2013. Purchase order issued on 13.03.2014.

9.2 Suryapet 400/220/132kV Substation:

Work awarded on 29.07.2013.Site leveling completed.132kV tower foundations completed.400kV & 220kV tower foundations under progress. Other works like compound wall construction, controlroom columns, store cum site office, D.G.set building are under progress.

9.3 400kV Quad DC line from Suryapet 400kV SS to Shankarapally 400kV SS:

9.3.1 400kV Quad DC line from Suryapet 400kV SS to Nandiwanaparathi (120 km):

Work awarded in September'2013.134 Nos. out of 345 Nos. foundations and 18 Nos. tower erection are completed.

9.3.2 400kV Quad DC line from Nandiwanaparathi to Shankarapally 400kV SS (111 km):

Work awarded in September'2013.64 Nos. out of 323 Nos. foundations and 13 Nos.tower erection completed.

9.3.3. 2 Nos. 400kV Quad Bay Extensions at Shankarpalli 400kV SS:

400kV tower foundations under progress.

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9.4 400kV Twin Moose DC line from M/s.HNPCL's switchyard to the proposed 400kV Kamavarapukota (KVKota) SS:

Tenders are opened in 3(three) packages

LOT-III (100km) :The Purchase order was issued on 19.02.2014.

For LOT-I&II: The Tenders are opened on 20.03.2014.Bid Evaluation under process.

9.5. 400kV Quad Moose DC line from proposed 400kV Kamavarapukota (KVKota) SS to the proposed 400kV Suryapet SS:

9.5.1: Quad DC line from Kamavarapukota to Chinna Korukondi (106 km):

LOI issued on 15.07.2013.Detailed survey is under progress.The Purchase order was issued on 13.02.2013.

9.5.2: Chinna Korukondi to 400kV proposed Suryapet SS (106 km) :

LOI issued on 15.07.2013.Detailed survey is completed. Purchase Order under approval.

9.6. 400kV Twin Moose DC line from 400kV Vemagiri SS to the proposed 400kV KamavarapuKota SS:

NIT will be issued shortly.

10.0 400kV Augmentation Scheme-II:

10.1 Augmentation of 4th 315 MVA PTR at Mamidipally 400kV Substation:

Work awarded on 15.02.2013.65 Nos. out of 72 Nos. foundations completed.28 Nos.Equipment Structure erection is completed.

10.2 Augmentation of 3rd 315 MVA PTR at Gajwel 400/220/132kV Substation:

P.O.issued on 04.07.2013.Power Transformer foundations completed.Equipment foundations under progress.

11.0 Reactor Scheme-II:

Work awarded on 15.02.2013 for erection of 80 MVAR Bus Reactor bay at Vemagiri 400/220 kV Substation. All 28 Nos. foundations completed. .23 Nos. out of 27 Nos. structure erection completed.

12.0 400kV Augmentation Scheme –III:

Augmentation of 315 MVA PTR at Kalpala 400kV Substation :

315 MVA Power Transformer charged on 18.11.2013

13.0 Jaipur Power Transmission Scheme.

13.1 400KV Quad DC line from Jaipur TPP to Rangampet (AP 58/0)(Feb'2015):

Work awarded on 06.03.2013. 137 Nos. out of 212 Nos. foundations, 65 Nos, tower erection completed.

13.2 400KV Quad DC line from Rangampet (AP58/0) to Gajwel 400KV SS (Feb'2015) :

Work awarded on 06.03.2013. 144 No.out of 246 Nos. foundations completed. 86 Nos. out of 246 Nos. tower erection completed.

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13.3 2 Nos. 400KV Quad Moose feeder bays, 2 Nos. 400kV Twin Moose feeder bays at Gajwel 400KV SS: P.O. issued on 04.07.2013. Equipment foundations under progress.

14.0. Indira Sagar Rudramakota Lift Irrigation Scheme:

14.1 400kV Asupaka Substation:

Purchase order is issued on 25.03.2014.

14.2 400kV DC Line from LILO point of Vizag Khammam to Asupaka 400kV SS:

Work awarded on 18.05.2013. 44 Nos. out of 49 foundations completed.

15.0 Transmission System Improvement Scheme at Vizianagaram and Srikakulam Districts:

15.1 400kV Quad DC line from existing 400/220kV Kalpaka Substation to the proposed 400/220kV Maradam (Garividi) Substation (120 kM):

LOI is yet to be issued, subject to APERC clearance.

15.2 400/220kV Sub-station at Maradam (Garividi) along with 2 Nos. 400kV Quad Bays at the existing 400/220kV Kalpaka Sub-station:

Tenders will be called for shortly based on land acquisition status required for construction of Sub-station, including APERC clearance.

16.0 Deposit Contribution works:

16.1 Start up power line (7 kM) from M/s.HNPCL (1040 MW) Thermal Power Plant to existing 400/220kV Kalpaka SS, being executed by M/s.HNPCL under the supervision of APTRANSCO:

All the works are completed. The line is charged on 07.02.2014.

16.1 2 Nos. 400kV Bay Extensions at existing 400/220kV Kalpaka Substation (of HNPCL):

All the works are completed for 1 No. 400kV Bay on 7.2.2014.

16.3 Supply, Civil & Construction, Erection, Testing and Commissioning of 2 (Two) Nos. 400kV Quad Bay Extensions at Chittoor 400/220kV Substation on Turnkey basis for PGCIL Thiruvallam –Chittoor Line:

Charged on 30.12.2013 and put into commercial operation from 31.03.2014.