

## **Status of 400kV Transmission Schemes as on 30.04.2013.**

### **1.0 Short Gestation Power Transmission Scheme -II :**

**Narsaraopet (Sattenapalli) 400kV Substation (Nov'2013):** The Contract was terminated on 27.08.2012 and new tenders are called for and Contract was awarded on 30.11.2012. 523 Nos.out of 586 Nos.foundations completed. 2 Nos. transformer foundations are completed.Construction of control room, compound wall, and DG building is under progress.7 Nos. out of 670 Nos. structure erection completed.

#### **Narsaraopet Connected Lines:**

Purushottapatnam (Nunna) to (Jujjuru) line (56 kM): Purchase order issued on 11.03.2011. 78 Nos. out of 165 Nos. foundations and 20 Nos. Tower erection are completed. The contract was cancelled. Tenders were called for Technical Bids were opened on 14.02.2013 and Price Bids were opened on 26.02.2013 and 27.02.2013 send to FA&CCA to Arithmetical checkup.LOI is to be issued.LOI issued on 03.04.2013.Works are to be commenced.

Jujjuru to Sattenapalli and LILO of VTS - SSLM line (67kM) (July'2013): Purchase order issued on 09.03.2011. 171 Nos. out of 178 Nos. foundations are completed.166 Nos. out of 178 Nos. Tower erections are completed. 50.83 kM out of 67 kM stringing completed.

### **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. 2<sup>nd</sup> and 3<sup>rd</sup> 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 (July'2013):**

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. 102 No. out of 106 Nos. foundations and 44 Nos. Tower erection is completed.

**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

3<sup>rd</sup> 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) (May'2013):**

Works awarded on 20.08.2010. Foundation, Erection, Stringing works are completed. OPGW stringing is under progress..

##### **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 ) & Bonapally -Chittoor 400kV Quad (97.808 kM ) D/C Line (Aug'2013) :**

Purchase orders issued on 28.07.2011.

196 Nos. out of 272 Nos. foundations and 115 Nos. out of 272 Nos. tower erections are completed in Krishnapatnam TPP - Bonapally 400kV Quad D/C Line.

253 Nos.out of 281 Nos. foundations ,130 Nos.Tower Erection and 2.346 kM out of 97.808 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: Land acquired Foundation and leveling works are under progress.

#### **7.0 RayalaseemaPower Transmission Scheme:**

Detailed survey is under progress and estimates are to be received from the field for evacuation of power from RTPP(Stage-IV) to Chittoor 400kV Twin moose DC line.

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

##### **8.1 400kV Uravakonda Substation(2x315 MVA):**

LOI is issued on 23.03.2013.

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

LOI is issued to M/s. Techno Electric Electrical and Engineering Company Limited on 22.03.2013.

**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.

**9.2 Suryapet 400/220/132kV Substation:**

LOI is issued on 17.04.2013.

**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):

9.3.2 400kV Quad DC line from Nandiwanaparathi to Shankarapally 400kV SS (120 kM):

Tenders are due for opening on 14.05.2013.

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

Tenders are uploaded on e-procurement platform on 26.04.2013 and are due for opening on 27.05.2013.

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

Tenders are due for opening on 7.5.2013.

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

Estimates are to be received.

**10.0 400kV Augmentation Scheme-II:**

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

LOI was issued on 28.12.2012 for erection of transformer bay at Mamidipally Substation. Civil works are under progress. Engineering is under progress.

**11.0 Reactor Scheme-II:**

LOI was issued on 28.12.2012 for erection of 80 MVAR Bus Reactor bay at Vemagiri 400/220 kV Substation. Civil works are under progress. Engineering is under progress.

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**12.0 400kV Augmentation Scheme –III:**

**Augmentation of 315 MVA PTR at Kalpala 400kV Substation** Work was awarded on 01.08.2012. 65/67 Nos. equipment foundations are completed. Cable trench, railway track works are under progress.

**13.0 Jaipur Power Transmission Scheme.**

**13.1 400KV Quad DC line from Jaipur TPP to Rangampet (AP 58/0)(May'2015):** work awarded on 06.03.2013. 8 Nos. out of 214 Nos. foundations completed.

**13.2 400KV Quad DC line from Rangampet (AP58/0) to Gajwel 400KV SS (May'2015) :**work awarded on 06.03.2013. 8 No.out of 244 Nos. foundations completed.

**13.3** Tender are opened on 02.04.2013 2 Nos. 400KV Quad feeder bays, 2 Nos. 400kV feeder bays and 1 No. 315 MVA Transformer bay at Gajwel 400KV SS.

**14.0. Indira Sagar Rudramakota Lift Irrigation Scheme:**

**14.1 400kV Asupaka Substation:**

Tenders are to be called for.

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

LOI issued on 03.04.2013.