

## Status of 220&132KV Transmission Schemes approved by APERC

### Warangal Zone Power Transmission Schemes

- 1.0 220KV DC line from Ogalapur to Jammikunta(60Ckm)(June'2012)**  
P.O issued on 15.02.2010 to M/s Sujana Towers.93 Nos out of 96 Nos foundations completed.78No out of 96Nos structure erections completed.8Ckm out of 60 Ckm stringing completed.
- 1.1 220 KV DC line from Durshed to Jammikunta (82Ckm)(June'2012)**  
P.O issued on 19.01.2010 to M/s .Coastal Projects.145Nos out of 156 Nos foundations completed. 84Nos out of 156Nos Tower erections completed. 14.02Ckm out of 82Ckm stringing completed.
- 2.0 132/33KV Khanapur SS(Aug'2012)(1x16MVA)**  
P.O issued on 31.12.2010 to M/s Aster Teleservices Pvt Ltd, Hyd.  
74Nos out of 76 Nos foundations completed and 102Nos out of 123Nos structure erections completed.24Nos out 82Nos equipment erections completed.
- 2.1 132KV DC/SC line from 220KV Nirmal SS to proposed 132KV Khanapur SS (32Ckm)(Aug'2012)**  
P.O issued on 31.12.2010 to M/s Aster Tele services Pvt Ltd, Hyd.  
33Nos out of 107Nos tower foundations completed.
- 3.0 132KV SS at Thallada(1x16+1X31.5MVA)(Aug'2012)**  
P.O issued on 29.03.2011 to M/s Abhi Transmissions Pvt Ltd.  
Levelling works completed. Retaining wall construction under progress. Control room excavation is under progress. ROW problems for SS site, under negotiations
- 3.1 132KV LILO from Budidampadu-Penuballi to proposed Thallada SS(Aug'2012)(8.086Ckm)**  
P.O issued on 29.03.2011 to M/s Abhi Transmissions Pvt Ltd.  
All foundations and tower erections completed.
- 3.2 2<sup>nd</sup> ckt stringing from Penuballi to Budidampadu(Aug'2012)(57Ckm)**  
P.O issued on29.03.2011 to M/s Abhi Transmissions Pvt Ltd. Tower schedule handed over on 11.04.2011.Works to be commenced
- 4.0 132KV SS at Madhole(2x16MVA)(Nov'2012)**  
P.O issued on 14.09.2011 to M/s. Laxmi Transmissions. Site handed over on 10.11.2011.  
25Nos out of 94Nos foundations completed.
- 4.1 132KV LILO line from existing 132KV Nirmal-Bhainsa to proposed 132KV Madhole SS(26.6Ckm)(Nov'2012)**  
P.O issued on 14.09.2011 to M/s. Laxmi Transmissions.  
21Nos out of 48Nos foundations completed.
- 5.0 132KV SS at Utnoor(2x16MVA)(Dec'12)**  
P.O issued on 23.01.2012 to M/s R.K Electric Automation Ltd.  
Site clearance done, Bore well laid and leveling work is under progress.

**5.1 132KV DC/SC line from Ichoda to the proposed 132/33KV Utnoor SS (Dec'12)(38.33Ckm)**

P.O issued on 23.01.2012 to M/s R.K Electric Automation Ltd.  
1No foundation completed and 7Nos excavated for foundations.

**6.0 132KV SS at Kamalapur(1x31.5+1x16MVA)(Oct'2012)**

P.O issued on 12.01.2012 to M/s R.K.Electric Automation Ltd, Hyd.  
Compound wall is under progress. Site leveling is completed.

**6.1 132KV LILO line from 132KV Jammikunta-Warangal to the proposed 132/33 KV SS Kamalapur(1.4Ckm)(Oct'2012)**

P.O issued on 12.01.2012 to M/s R.K.Electric Automation Ltd, Hyd.  
Line check survey completed

**Metro Zone Power Transmission Schemes**

**7.0 220/132KV GIS SS at Imlibun(2x160MVA)(Sep'2012)**

P.O issued on 16.12.2010 to M/s Axis Structural Pvt Ltd.  
Module room cellar floor slab laid on 21.01.2012. Control room columns raised up to zero level.1No PTR plinth completed.

**7.1 Laying of DC XLPE cable from 220KV Chandrayanagutta to proposed 220KV GIS SS at Imlibun(18.60Ckm)(Sep'2012)**

P.O issued to M/s. Indu projects on 19.09.2009.  
16.08Ckm out of 18.6Ckm laying of XLPE cable completed.

**8.0 20KV SS at Gunrock(2x160MVA) (June '2012)**

P.O issued on 29.12.2010 to M/s Axis Structural Pvt Ltd.Ste handed over on 18.12.2010.  
All foundations, structure erections completed and 63/109 equipment erections completed.

**8.1 Laying of 220KV DC XLPE UG cable from 400/220KV SS Malkaram SS to proposed 220KV SS at Gunrock(Conventional SS)(32.10Ckm)(Mar'2012).**

P.O issued to M/s. Indu projects on 17.09.2009.  
Cable laying completed. Line charged on 31.03.2012

**9.0 220/132KV GIS SSat Osmania University (Chilakalaguda)(2x160MVA)(Oct'2012)**

P.O issued on 05.10.2009 to M/s Vijay Electricals.  
Centering & Bar bending for the final slab for the control room is under progress.  
Centering work for final slab is completed in module room. Brick masonry for first floor in control room is completed. Plastering for ground floor in control room is completed.  
Plastering for first floor in control room is under progress.

**9.1 Laying of 220KV XLPE cable lines from 220KV SS Osmania University to 220/132KV GIS SS Moulali.(18.20Ckm) (June '2012).**

P.O issued on 05.10.2009 to M/s Vijaya Electricals,Hyd.  
16.2Ckm out of 18.20Ckm cable laid.

- 9.2 Laying of 132KV SC UG cable from 220/132KV GIS SS Osmania University to 132KV GIS SS Chilakalaguda (Osmania University)(5Ckm).**  
P.O issued to M/s. Indu projects on 17.09.2009.  
Permission awaited from GHMC & Railways and R & B to take up the work.
- 10.0 220/132KV GIS SS Eraagadda(Oct'2012)(2x160 MVA)**  
Work awarded to M/s.Vijaya Electricals. Site handed over on 16.07.2010  
Final slab centering work under progress for module room. Brick masonry for control room is under progress.3Nos 160MVA PTRs placed on plinths
- 10.1 Laying of 132KV SC XLPE cable from 220KV GIS SS Erragadda to proposed 132KV GIS SS Balkampet(5Ckm)(June'2012).**  
P.O. issued to M/s. Indu projects on 17.09.2009.  
3.38Ckm out of 4.002Ckm laying of XLPE cable completed.
- 10.2 Laying of 220KV XLPE cable lines from Erragadda SS to LILO point of Gachibowli Shapur Nagar OH line.(19.20Ckm)(Sep'2012)**  
P.O issued on 05.10.2009 to M/s.Vijaya Electricals.  
12.995Ckm out of 19.20Ckm cable laid.
- 11.0 220/132KV SS at Fab City(2x100+2x50MVA)(Dec'2012)**  
P.O issued to M/s.ABR Construction JV with M/s.Vinirmaa Projects Pvt .Ltd on 12.01.2011.Site handed over on 27.05.2011.  
Excavation for switchyard foundations under progress.61Nos out of 241 foundations completed.
- 11.1 220KV DC line from 44/220KV Mamidipally SS to M/s K.S.K Photo Volataic Ltd near Fab City(June'2012)(12Ckm)**  
P.O issued on 07.06.2010 to M/s. K Ramachander Rao .  
29Nos out of 37Nos foundations completed.29Nos out of 37Nos structure erections completed.
- 12.0 220/33KV SS at Hayathnagar(2x50MVA)(May'2013)**  
P.O issued on 29.03.2011 to M/s. Chadalawada infra tech Ltd.  
Site handed over on 24.05.2011. On 220KV side 28/96 foundations completed.  
Retaining wall is also under progress.
- 12.1 Laying of 220KV XLPE DC UG Cable from Mairipally(Common point) near Nagole to proposed 220/132/33KV Hayathnagar SS(19Ckm)**  
Supply order issued on 29.09.2011 to M/s ILJIN Electric Co.Ltd.  
Manufacturing clearance is issued for XLPE UG Cables and inspection also completed.
- 13.0 220/132/33KV SS at Manikonda (2x100+2x50)(Dec'2012)**  
P.O issued to M/s Sealwel Corporation Ltd. Works awarded. Approved layout handed over on 29.08.2011. Leveling completed. Compound wall and retaining wall works under progress. Works stopped as per high court instructions
- 13.1 220KV LILO to Manikonda from Mamidipally-Gachibowli line(6Ckm) (Oct'2012)**  
P.O issued to M/s Sealwel Corporation Ltd.Works awarded. Works to be commenced. Land for site under High court

- 13.2 Erection of 220KV Gachibowli-Tandur LILO line to 400KV Yeddumailaram(20Ckm)(June'2012)**  
P.O issued on 27.07.2011 to M/s Deepak Galvanization.  
25Nos out of 37Nos foundations completed. 20Nos out of 37Nos structure erections completed.
- 14.0 132/33KV SS at Mamidipally(1x16+1x31.5 MVA)**  
P.O issued on 31.12.2008 to M/s Amrutha Constructions.  
All works completed, except Power Transformers to be erected. Connected line works are under progress.
- 14.1 Erection of 132KV line to Mamidipally SS**  
P.O issued to M/s Aster Tele services Ltd. Works awarded and layout handed over on 01.08.2011. Works will be commenced on issue of investment approval of APERC.
- 15.0 Erection of 132/33KV GIS SS at Balkampet(Oct'2012)(2x80MVA)**  
P.O issued on 16.11.2010 to M/s Amrutha Constructions.  
Module room slab completed. 2Nos PTR plinths completed. Control room of 1<sup>st</sup> slab at +5.83 Mtrs level slab completed. Final slab completed on 16.05.2012.
- 15.1 Laying of SC XLPE cable from proposed 132KV GIS SS Balkampet to proposed 132KV GIS SS Patigadda(8Ckm)(June '2012).**  
P.O issued to M/s. Indu projects on 17.09.2009.  
Cable laying completed. Terminations to be taken up.
- 16.0 132KV GIS at Patigadda(2x80MVA)(Mar'2013)**  
Civil works awarded to M/s Bodapati Control Systems Pvt Ltd on 18.08.2011  
Supply of GIS modules awarded to M/s ILJIN.Co.Ltd  
Site cum electrical layout handed over to contractor on 08.11.2011. Works to be commenced
- 16.1 Laying of DC XLPE cable from proposed 132//33 KV GIS SS Patigadda to 132KV GIS SS Hussainsagar(5.663 Ckm)(Oct'2012)**  
P.O amendment is issued to M/s. Indu projects. Route approval accorded on 20.10.2011. Survey completed.
- 16.2 132KV DC Cable from 220KV Gunrock SS to the proposed 132KV GIS SS at Patigadda(14Ckm) (May'2013)**  
P.O issued to M/s.ILJIN.Co.Ltd on 08.07.2011.  
Preliminary route survey approval accorded. Road cutting permission awaited
- 17.0 Erection of 132/33KV GIS SS at Fever Hospital (Dec'2012)(2x80MVA)**  
P.O issued on 16.11.2010 to M/s Amrutha Constructions.  
Revised layout handed over on 25.04.2011.  
Concreting for Plinth beam completed. Cable vault completed. 33KV retaining wall concreting completed. 1No PTR plinth completed. 33KV & 132KV GIS floor slab completed. 1No PTR plinth completed.

- 17.1 132KV XLPE UG DC Cable from OU to Fever Hospital(10Ckm) (May'2013)**  
P.O issued to M/s ILJIN Electrical Co.Ltd on 08.07.2011.  
Preliminary route survey approval accorded. Road cutting permission awaited to take up the work
- 18.0 132/33KV GIS SS at Narayanaguda(1x16+1x31.5MVA)(Mar'2013)**  
P.O issued on 30.11.2010 to M/s Axis Structural Pvt Ltd. Site handed over on 19.01.2011  
Cellar excavation is under progress. 7/27Nos footing concreting completed.  
There is no progress of work and termination of contract was awarded to contractor
- 18.1 Laying of 132KV XLPE UG SC Cable from proposed 132KV GIS SS at Fever Hospital to proposed 132KV GIS at Narayanaguda(3Ckm) (May'2013)**  
P.O issued to M/s ILJIN Electric Co Ltd on 08.07.2011.  
Survey work to be taken up.
- 19.0 132/33KV GIS SS at Musarambagh(2x80MVA)(July '2013)**  
Civil works awarded to M/s. Bodapati Control Systems on 06.05.2011. Lay out handed over on 11.07.2011  
Supply order placed on M/s.ILJIN Co.Ltd. Structural drawings design is under progress.
- 19.1 LILO of 132KV Ghanapur-Imlibun line with XLPE UG Cable to Moosarambagh GIS SS(2Ckm)(Mar'2013)**  
P.O issued to M/s ILJIN Electrical Co.Ltd on 08.07.2011.  
Survey work to be taken up
- 20.0 132/33KV SS at LGM Pet(1X31.5+1X16)(Mar'2013)**  
P.O issued on 03.09.2011 to M/s Aster Tele services Ltd.  
Site cum Electrical layout handed over on 16.09.2011.  
Site clearing completed. Site leveling under progress. Construction of retaining wall & control room foundations under progress
- 20.1 Erection of DC/SC line from 220/132KV SS Malkaram to proposed 132/33KV SS LGM pet (19.581Ckm) (Dec'2012)**  
P.O issued on 03.09.2011 to M/s Aster Tele services Ltd.  
Works awarded and approved profile handed over on 02.09.2011. Check survey under progress. Excavation under progress
- 21.0 132/33KV GIS SS at Miralam filter beds(PTO)(2x80MVA)(Mar'2013)**  
Civil works awarded to M/s Bodapati Control Systems Pvt Ltd.  
Supply of GIS modules awarded to M/s ILJIN.Co.Ltd  
Works to be commenced. PTO authorities not permitted to take up the works due to security problems.
- 21.1 132KV UG SC Cable form PTO to Imlibun(6Ckm) (May'2013)**  
P.O issued to M/s ILJIN Electrical Co.Ltd on 08.07.2011.  
Survey work to be taken up

**Rural Power Transmission Schemes**

- 22.0 220/132KV SS at Sadasivpet(June'2012)(2x100MVA)**  
Site handed over on 31.12.2008 to M/s N & N Enterprises, Hyd JV with M/s.Manu Power Equipment (P) Ltd,Hyd.  
132KV bus charged 220KV side, Earthing work under progress and 2Nos foundations to be done. Works stopped due to approach road problem
- 22.1 220KV LILO to 440KV Gajwel SS from Loc.No.104 of Malkaram Minipur DC line (80.6Ckm)(June'2012).**  
Site handed over on 30.05.2008 to M/s.Mytas Infra Ltd JV with M/s.Bhavani Electricals,Hyd  
All foundations, tower erections and stringing completed. Statutory inspection to be done & line to be charged
- 23.0 132KV LILO line to Jurala for Gadwal-Makthal Ckt-2(17Ckm)**  
P.O issued on 18.08.2011 to M/s Scaltech Automation Pvt Ltd. Profile handed over to contractor on08.07.2011.  
Check survey completed. Excavation of 4Nos locations completed
- 24.0 220KV Switching station at Thimmajipet**  
P.O issued on 25.08.2011. Works will be commenced on issue of investment approval of APERC
- 24.1 220KV DC line from 400KV Veltor ss to the proposed 220KV Switching Station at Thimmajipet(90Ckm)**  
P.O issued on 25.08.2011. Works will be commenced on issue of investment approval of APERC
- 24.2 220KV LILO line from 220KV Boothpur-Kalwakurthy circuit 1 to the proposed 220KV Switching Station at Thimmajipet(2Ckm)**  
P.O issued on 25.08.2011. Works will be commenced on issue of investment approval of APERC
- 24.3 220KV LILO line from 220KV Boothpur-Kalwakurthy circuit 2 to the proposed 220KV Switching Station at Thimmajipet(2Ckm)**  
P.O issued on 25.09.2011. Works will be commenced on issue of investment approval of APERC
- 25.0 220KV LILO to 400KV Yeddumailaram from 220KV Shadnagar-Yeddumailaram line on multi ckt Towers(24Ckm)(June'2012)**  
P.O issued on 07.09.2011 to M/s Deepak Galvanising& Engineering Industries. JV with M/s Bindu Constructions Pvt Ltd.  
7 No out of 18 Nos foundations completed.
- 25.1 220KV DC line from 400KV Yeddumailaram to 220KV SS at Sadasivpet(78Ckm)(Sep'2012)**  
P.O issued on 22.12.2010 to M/s Lakshmi Transmissions.  
115Nos out of 120Nos foundations completed and 95Nos out of 120Nos structure erections completed.26.902Ckm out of 78Ckm stringing completed.

- 26.0 220KV DC line from 220/132KV SS at Upper Juarala to LowerJuraHydroElectric Project(22Ckm)(Sep'2012)**  
P.O issued on 23.12.2011. to M/S R.R.Dura fabs .Ltd  
Check survey completed. Works to be taken up
- 26.1 220KV LILO to Lower Jurala Hydro Electric Project from existing 220KV Veltoor-Priyadarsini Jurala (10Ckm)(Sep'2012)**  
P.O issued on 23.12.2011. to M/S R.R.Dura fabs .Ltd  
Check survey completed.12Nos out of 17Nos foundations completed.10Nos out of 17Nos structure erections completed
- 27.0 220/33KV SS at Singotam X roads(Feb'13)**  
P.O issued on 25.01.2012 to M/s Variegate Projects Pvt Ltd  
Leveling work completed.
- 27.1 220KV LILO from 220KV Wanaparthi-Ragimanagadda line to proposed 220/33KV SS Singotam X roads SS(July'12)(10.62Ckm)**  
P.O issued on 25.01.2012 to M/s Variegate Projects Pvt Ltd  
Works commenced.8Nos excavation completed
- 28.0 Providing 33KV features at 220KV SS at Boothpur and Erection of 10/16MVA PTR(Nov'12)**  
LOI issued on 28.01.2012 to M/s Shilpha Electrification.  
6Nos out of 52Nos foundations completed.
- 28.1 2<sup>nd</sup> ckt from 220KV Chalakurthy to Kondamallepally line(45Ckm)(Nov'12)**  
P.O issued on 18.02.2012.Works to be commenced.
- 29.0 132KV SS at Amarchinta (1x31.5+1x16MVA)(June'2012)**  
P.O issued on 13.12.2010 to M/s Annapurna Constructions Transmissions, Hyd.  
57Nos out of 83Nos foundations completed. Control room under progress and compound wall work under progress.
- 29.1 132KV DC/SC line from proposed 220/132KV Jurala Substation to the proposed 132/33KV Amarchinta SS(11Ckm)(June'2012)**  
P.O issued on 13.12.2010 to M/s Annapurna Constructions Transmissions, Hyd.  
27Nos out of 39Nos foundations completed.
- 30.0 132/33KV SS at Atipamula(2x16MVA)(June'2012)**  
P.O issued on 06.01.2011 to M/s Vertex Engineers. Site handed over on 04.01.2011.  
Foundation, structure erections and 84Nos out of 89Nos Equipment erections completed. Compound wall, retaining wall and control room slab completed.
- 30.1 132KV DC/SC line from Loc.No.30 of 132KV Narketpally-Shaligouraram to 132KV Atipamula SS to upto Loc.No. 30(12.5Ckm) (June'2012)**  
P.O issued on 06.01.2011 to M/s Vertex Engineers. Site handed over on 04.01.2011.  
36 Nos out of 56Nos foundations completed and 24Nos out of 56Nos tower erections completed.

- 30.2 2<sup>nd</sup> circuit stringing from 132KV Shaligouraram SS (LOC No.30 of )132KV Narketpally-Shaligouraram to New Atipamula SS (28.5Ckm)(July'12)**  
P.O issued on 30.01.2012 to M/s Vertex Engineers,Hyd. Works to be commenced.
- 31.0 132KV SS at Jadcherla (1x31.5+1x16MVA)(July'2012)**  
P.O issued on 09.03.2011 to M/s Scaltech Ltd.  
49Nos out of 95Nos foundations completed.
- 32.1 132KV LILO line from Boothpur-Balanagar SC line to proposed 132/33KV Jadcherla growth centre substation on 220KV Towes (8Ckm)(July'2012)**  
P.O issued on 09.03.2011 to M/s Scaltech Ltd.  
8Nos out of 15Nos out of foundations completed
- 33.0 132/33 KV SS at Borapatla(1x31.5+1x16)(Dec'2012)**  
P.O issued on 20.08.2011 to Scaltech Automation Pvt Ltd JV with M/s Aravali Infra Power Pvt.Ltd Site cum Electrical layout and profile handed over on 20.07.2011.  
Site leveling under progress. Bore well digged. Site allotments approached the court.
- 33.1 132KV LILO line to Borapatla from Minpur-Gummadidala line(36Ckm)(Dec'2012)**  
P.O issued on 20.08.2011 to Scaltech Automation Pvt Ltd JV with M/s Aravali Infra Power Pvt.Ltd  
Works to be commenced
- 34.0 Providing 33KV features at 132KV Thirumalayapally SS 9Nov'12)**  
LOI issued on 28.01.2012 to M/s Shilpha Electrification. Work to be commenced
- 35.0 132KV 2<sup>nd</sup> ckt stringing on the existing 132KV DC/SC line from Minpur-Jogipet line(26.5Ckm)**  
P.O issued on 16.05.2012. Works to be commenced.

**CHIEF ENGINEER  
CONSTRUCTION-I**



## II. TRANSMISSION

### 1. ACHIEVEMENTS DURING 04/11 to 04/12

Sl.No.	Description	Achievements during 4/11	Achievements during 04/12
1.	220 kV Lines (CKM)	-	-
2.	132 kV Lines (CKM)	-	-
3.	220 kV Substations (Nos.) Transformer Capacity MVA)	-	-
4.	132 kV Substations (Nos.) Transformer Capacity MVA)	-	-
5.	Augmentation of Transformer Capacity at 220 kV SS (MVA)	-	60.00
6.	Augmentation of Transformer Capacity at 132 kV SS (MVA)	130.50	52.50

### 2. DETAILS OF ACHIEVEMENTS DURING 4/2012

#### I. 220 kV LINES CHARGED

Sl. No.	Name of the line	Length in CKM	Date of charging
	A. DURING 04/12		
		NIL	

#### II. 132 kV LINES CHARGED

Sl. No.	Name of the line	Length in CKM	Date of charging
	A. DURING 04/12	NIL	

#### III. 220 kV SUBSTATIONS COMMISSIONED

Sl. No.	Name of the Substation	Voltage Ratio	Tr. Capacity in MVA	Date of charging
	A. DURING 04/12	NIL		

**IV. AUGMENTATION OF TRANSFORMER CAPACITY AT 220 kV SUBSTATIONS**

Sl.No.	Name of the Substation	Existing (MVA)	Augmented to (MVA)	Net increase in Transformer Capacity (MVA)	Date of charging
	<b>A. DURING 04/12</b>				
1	220 /132 kV SS Ghanapur	2x100+1x160	1x100+2x160	60.00	27.04.2012
			<b>Total</b>	<b>60.00</b>	

**V 132 kV SUBSTATIONS COMMISSIONED**

Sl. No.	Name of the Substation	Voltage Ratio	Tr. Capacity in MVA	Date of charging
	<b>A. DURING 04/12</b>	<b>NIL</b>		

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

Sl.No.	Name of the Substation	Existing (MVA)	Augmented to (MVA)	Net increase in Transformer Capacity (MVA)	Date of charging
	<b>A. DURING 04/12</b>				
1	132/33 kV SS Maddur	1x16+1x31.5	1x31.5+1x50	34.00	07.04.2012
2	132/33 kV SS Kalyandurg	1 x50 +1 x 31.5	2x50	18.50	28.04.2012
		<b>TOTAL</b>		<b>52.50</b>	

**CHIEF ENGINEER (CONSTRUCTION-I)**