

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड / POWER GRID CORPORATION OF INDIA LTD.

STATUS OF 400/220KV NP KUNTA SUBSTATION

As on 31.10.2015

Sl. No.	Name of Work	Present Status	Remarks
1	Site Package		
i)	Construction Power	For 33KV Supply : (i) Amount deposited at APSPDCL, Tirupati . NIT under process at APSPDCL. Providing of 33KV supply expedited. <b>11KV Supply :</b> i) Transformer energised.	
ii)	Site Levelling Agency: M/s R P Projects Pvt. Ltd., Hyderabad	Excavation : 87029/114262 Cu.M completed	Priority areas completed.
iii)	Boundary Wall : M/s.Kasukurti Sujatha Constructions Pvt. Ltd., Hyderabad	Awarded on 22.07.15 Work commenced Panels : 875/4800 completed Columns : 104/800Nos. completed	
2	Substation main Package : Agency: Megha Engineering & Infrastructure Ltd., Hyderabad. Awarded on : 13.05.2015	i) Tower Foundations- <b>400KV</b> : All 26/26 Completed <b>220KV</b> : Excavation 41/42Nos., PCC for 37/42Nos., Raft 37/42, Col. 35/42 Nos.Completed ii) <b>Equipment Foundations (400KV)</b> : Excavation: 215/296 Nos. PCC 204/296 Raft :203/296, up to Bolt level 185/296 done <b>220KV Eqpt. Foundations</b> : Excavation: 25/386 Nos. done iii) <b>Lattice Structure Erection</b> : 4/122 Nos. erected	
		iv) <b>Control Room</b> : Roof slab casted, Brick work is in progress. v) Switchyard panel rooms columns caasted upto roof level. vi) <b>Fire Fighting Pump House</b> : Cloumns up slab level casted and Brick work is in progress. Firefighting Tank casting in progress.	

		<b>Supply:</b> MS rounds for earth mat , Lattice structures for 400KV Towers & LM towers, 400KV and 220KV Isolators, Surge Arrestors and BPIs supplied.	
<b>3</b>	<b>Transformers &amp; Reactors Package :</b> Agency : M/s.Crompton Greaves Ltd (CGL) Awarded on : 24.06.2015	i) Transformer Foundation : Excavtion for 3/3Nos. Completed. PCC : 2/3 done & raft work is in progress ii) Bus Reactor Foundation: Excavtion for 1/1 Nos. Completed. PCC & raft work is in progress	
<b>4</b>	<b>Tower Package - LILO of Kadapa-Kolar 400KV S/C Line at NP Kunta SS</b> Agency : M/s.K Ramachandra Rao Transmission & Projects Pvt Ltd Awarded on : 15.06.2015	i) Survey : Completed ii) Foundations : 18/30 Nos. Completed	

**Critical Issues :**

- 1) Local villagers are disrupting the work regularly for non receipt of compensation. Due to this progress of works are hampering.
- 2) Powergrid requested for purchase of land for Substation instead of lease. Being expedited in State Government.

**Monthly progress for the month of Oct, 2015**

SL.NO	ACTIVITIES	UNIT	Total Qty.	Cumm. Target upto Oct-15 (as per L2)	Cumm. Progress upto Oct-15	During Month		Balance	Planned for Nov, 15	Remarks
						Planned for Oct 15	Actual achieved			
<b>1</b>	<b>TOWER FOUNDATIONS</b>									
	<b>400kv Towers</b>									
i)	Excavation	Nos	26	26	26	0	NA			
ii)	PCC	Nos	26	26	26	0	NA			
iii)	RCC	Nos	26	26	26	0	NA			
iv)	Column 1st Lift	Nos	26	26	26	0	NA			
v)	Column 2nd Lift	Nos	26	26	26	5	5	0		
<b>2</b>	<b>220kV Towers</b>									
i)	Excavation	Nos	42	42	41	18	17	1	1	
ii)	PCC	Nos	42	42	37	20	15	5	5	
iii)	RCC	Nos	42	42	37	27	22	5	5	
iv)	Column 1st Lift	Nos	42	42	36	39	31	8	8	
v)	Column 2nd Lift	Nos	42	42	35	42	37	7	7	
<b>3</b>	<b>400kV Equipment Foundation</b>									
i)	Excavation	Nos.	296	296	215	242	161	81	81	
ii)	PCC	Nos.	296	296	204	273	181	92	92	

iii)	Raft	Nos.	296	296	203	274	181	93	93	
iv)	Column	Nos.	296	296	185	278	167	111	111	
<b>4</b>	<b>220kV Equipment Foundation</b>									
i)	Excavation	Nos.	386	386	25	386	25	361	361	
ii)	PCC	Nos.	386	386	8	386	8	378	378	
iii)	Raft	Nos.	386	386	8	386	8	378	378	
iv)	Column	Nos.	386	386	0	386	0	386	386	
<b>5</b>	<b>TRANSFORMER 500MVA</b>									
i)	Excavation	Nos	3	2	3	0	1	0		
ii)	PCC	Nos	3	2	2	3	2	1	1	
iii)	Raft	Nos	3	2	0	3	0	3	3	
iv)	Main block RCC 1st lift	Nos	3	2	0	3	0	3	3	
v)	Main block RCC 2nd lift	Nos	3	2	0	3	0	3	3	
vi)	Final RCC with Rail cum Road.	Nos	3	2	0	3	0	3	3	
<b>6</b>	<b>BUS REACTOR (125 MVAR)</b>									
i)	Excavation	Nos	1	0	1	0	0	0	0	
ii)	PCC	Nos	1	0	0	1	0	1	1	
iii)	Pedestal/Raft	Nos	1	0	0	1	0	1	1	
iv)	Main block RCC 1st lift	Nos	1	0	0	1	0	1	1	
v)	Main block RCC 2nd lift	Nos	1	0	0	1	0	1	1	
vi)	Main block & Jack pad rail cum road final lift RCC	Nos	1	0	0	1	0	1	1	



i	Panels	no	4800	2400	875	1400	875	3925	2000	
ii	Columns	no	800	400	104	240	104	696	500	
<b>10</b>	<b>Transit Camp</b>									
i	Excavation for columns	Nos.	21	21	21	0	0	0	0	
iii	PCC for column	Nos.	21	21	21	0	0	0	0	
iii	Raft for Column	Nos.	21	21	21	0	0	0	0	
iv	Columns above lintel level	Nos.	21	21	21	0	0	0	0	
vi	PCC for Plinth Beam	RM	160	0	160	160	160	0	0	
vii	Plinth Beam	RM	160	0	160	160	160	0	0	
viii	Columns upto 1st Floor Level	No	21	21	21	21	0	21	21	
ix	Ground Floor slab concreting	Cum	120	0		0	0	120	120	
x	Columns upto 2nd Floor Level	No	21	0	0	0	0	21	0	
<b>11</b>	<b>FFPH</b>									
i)	Excavation	No	8	8	8	0	0	0		
ii)	PCC	No	8	8	8	0	0	0	0	
iii)	Raft	No	8	8	8	0	0	0	0	
iv)	Columns upto plinth Beam	No	8	8	8	0	0	0	0	
v)	PCC below PB	RM	38	38	38	0	0	0	0	
vi)	Plinth Beam	RM	38	38	38	0	0	0	0	
vii)	columns in sup structure	Cum	8	8	8	0	0	0	0	
viii)	Slab	sq.m	25	25	0	25	0	0	0	
ix)	Brickwork	LS	1	1	0.35	1	0.35	0.65	0.65	
x)	Eqp. Fdn.	No	6	0	0	6	0	6	6	
xi)	Inside Cable Trench	rm	25	0	0	25	0	25	25	
xii)	Finishing & Plastering	LS	1	0	0	1	0	1	1	

	<b>FFPH WATER TANK</b>									
	Excavation & Stone filling	Cum	181	181	181	0	181	0	0	
	PCC	Cum	12	12	12	0	12	0	0	
	RCC flooring	Cum	70	70	70	0	70	0	0	
	RCC wall 1st wall	Cum	80	0	0	0	0	80	80	
	RCC wall 1st wall	Cum	40	0	0	0	0	40	40	
<b>12</b>	<b>SPR - 4 Nos.</b>									
i)	Excavation	No	24	24	24	12	24	0	0	
ii)	PCC	No	24	24	18	12	18	6	6	
iii)	Footings	No	24	24	18	18	18	6	6	
iv)	Columns - upto plinth	No	24	24	18	24	18	6	6	
	PCC	RM	80	0	60	0	60	20	20	
	Plinth Beams	RM	24	0	12	0	12	12	12	
	Columns - upto roof beam	No	24	0	12	0	12	12	12	
<b>14</b>	<b>EARTHMAT WORKS</b>									
i)	Excavation	RM	22000	8000	6100	8000	3240	15900	10000	
ii)	Welding Joints	No	6320	1250	936	2030	766	5554	3000	
iii)	Laying of earth rod	RM	22000	8000	6005	8000	4593	15995	10000	
	<b>Cable Trench:</b>									
	Section 1-1									
	Excavation	RM	260	0	80	0	80	180	180	
	PCC	RM	260	0	50	0	50	210	210	





**POWER GRID CORPORATION OF INDIA LIMITED**

**400/200KV NP KUNTA SUBSTATION**



**LATTICE STRUCTURES ERECTION WORK IN PROGRESS**



**CONTROL ROOM SLAB CASTED**



**FIRE FIGHTING PUMP HOUSE BRICK WORK IN PROGRESS**



**TRANSFORMER FOUNDATION WORK IN PROGRESS**



**SWITCHYARD PANEL ROOM WORK IN PROGRESS**



**FIRE FIGHTINH WATER TANK WORK IN PROGRESS**