

## Summary of Department:

### GENERAL:

Electrification works of Khurda Road division had been started in the month of July 1998 from Palasa end. The entire division was under electrification by two RE projects RE/Visakhapatnam & RE/Bhubaneswar. RE projects have already completed their works. RVNL & Construction Organizations are doing electrification works presently in KUR Division. Electrification of PSA-KUR-BHC including branch lines completed in phased manner as follows:

PSA-KUR	: 2001-2002
KUR-BRAG-TLHR	: 2002-2003
BRAG-CTC-BHC	: 2003-2004
KUR-PUI	: 2004
CTC-PRDP	: 2007-2008
JKPR-DATR	: 2008-2009
TMKA-NYG	: 2010-2011

### ❖ GAZETTED CADRE:

DEE(I/C)/TRDKUR	SS	:	01
DEE/TRD/TLHR	SS	:	01
ADEE/TRD/KUR	SS	:	01
ADEE/TRD/IPM	JS	:	01
ADEE/TRD/CTC	JS	:	01
ADEE/TRD/KDJR	JS	:	01

### ❖ NON-GAZETTED CADRE

Sl. No.	Category	Sanction	On Roll	Vacancy
A	Supervisors	68	57	11
B	Technicians	247	219	28
C	Ministerial	12	14	-2
D	Group-D	260	271	-11
<b>Grand total:</b>		<b>587</b>	<b>561</b>	<b>26</b>

- Presently TRD/KUR is doing its maintenance activities as well as joint checking for new electrification works with a benchmark staff of 0.233/TKM as against the Rly. Board yard stick of 0.4 /TKM.
- Proposal for creation of 536 posts has been sent to HQ on 09.09.2014 for sanction after divisional finance concurrence & approval of DRM/KUR.

## **We Perform:**

- ❖ The main motto of this department is to maintain continuous Power supply of 25 KV AC to Electric Locomotive through Overhead equipment for smooth running of freight and coaching service round the Clock.
- ❖ A Traction Power Controller (TPC) maintains uninterrupted power supply to cater the demand of Locomotive with continuous contact with Power supply Authorities.
- ❖ To make "Zero Failure" of Traction power supply installations, this department carried out regular maintenance of Overhead equipment (OHE), Power sub-installation (PSI), Remote Control (RC) & SCADA.

### ➤ **Overhead equipment (OHE):**

The following schedule maintenance is being carried out regularly for OHE equipment's.

- Annual overhaul (AOH) & periodically overhaul (POH) of OHE equipment's.
- Maintenance & replacement of Auto tension device (ATD).
- Annual checking of Crossover, Turnout, Neutral section, Isolators, Section Insulator, Insulator overlap(IOL) & Un insulated overlap(UNIOL).
- Periodical Foot Patrolling to detect the defect in each block section.
- On line stagger checking of OHE and adjustment of over stagger locations.
- Current collection test carried out throughout the division to detect kinks in contact wires & the kinks are removed as on priority.
- Thermal imaging of Connectors, PG clamps, Splices, Jumpers to detect hot spots & rectification of deficiencies.
- Provision of bonding of all traction masts, FOBs, ROBs, Platform shelters, girder bridges, track circuit areas.
- Trimming of trees within 4mts of OHE.
- Removal of bird nests, kite threads.

### ➤ **Power sub-installation (PSI):**

The following schedule maintenance is being carried out regularly for PSI equipment's.

- Annual Gantry maintenance of TSS, SP & SSPs.
- Annual maintenance of PSI equipment's at TSS, SP & SSPs.
- Maintenance of Auxiliary Transformers.
- Annual checking of earth pit resistance of equipment's of TSS, SP, SSP & ATs.
- Annual relay testing of TSS.
- Periodically battery maintenance.
- Buried Rail maintenance.

### ➤ **Remote Control (RC) & SCADA:**

- Annual checking of RC equipment's of all TSS, SP & SSPs to make SCADA system healthy.