

## **MAJOR ACTIVITIES OF E&M DEPARTMENT**

- Implementation of safety measures & DGMS guidelines /circulars.
- Operational Power management from DVC, IPCL, WBSSEDCL and other Power supply agencies to various production units and other business units of BCCL.
- Construction/Diversion of Power Lines necessitated owing to development and shifting of patches as and when required.
- External Electrification jobs of quarters constructed under Jharia Master Action Plan.
- Procurement of P&Ms for E&M related jobs including statutory items.
- Operation and Power Management from DVC and JBVNL to various colonies under Koyla Nagar, Jagjiwan Nagar, Karmik Nagar and Bhuli.
- Operation & maintenance of all Sub Stations in BCCL.
- Operation and Maintenance of Central Air Conditioning Plant at Koyla Bhawan, Community Hall Koyla Nagar, and at CHD.
- Operation and Maintenance of Window & Split type Air conditioners, Refrigerators, Water Coolers installed at Koyla Bhawan, Koyla Nagar, Karmik Nagar, Jagjiwan Nagar, CHD, CMD's and Directors Bungalows, Guest Houses at Koyla Nagar, Karmik Nagar and Jagjiwan Nagar, Koyla Nagar hospital, CBI office Karmik Nagar and HRD Kalyan Bhawan.
- Operation and Maintenance of 02 Nos. Passenger Lifts (13 persons capacity) at Koyla Bhawan and 01 No Passenger Lift (15 persons capacity) at CHD.
- Operation and Maintenance of DG Sets installed at different locations of Koyla Nagar, Jagjivan Nagar, Karmik Nagar and CMS's Bungalow.
- Day to day Electrical Maintenance of quarters at various colonies of BCCL.
- Operation and Maintenance of Incinerator and Laundry Units at CHD.
- Operation and maintenance of 3 Body Mortuary Unit at CHD.
- Operation and Maintenance of All types of Luminaries, Fans installed at Koyla Bhawan, CHD, Guest Houses at Koyla Nagar, KarmikNagar,Jagjiwan Nagar ,CBI office Karmik Nagar, Koyla Nagar Hospital, Community Hall & Nehru Complex at Koyla Nagar and other Service Buildings.
- Operation and Maintenance of Street Lighting with LED/Fluorescent Lights in Koyla Nagar, Karmik Nagar, Jagjiwan Nagar, KusumVihar (Phase – I, II & III), Coal Board Colony and Bhuli Township.
- Liaisoning with DVC / JBVNL by processing of Bills for payment of monthly Energy consumption as well as payment of Electricity duty charges to Commercial department Govt. of Jharkhand against monthly energy consumption.
- Training of more than 100 candidates per month under the Apprenticeship Act in Skill Development programme.

- External Electrification work is in progress in Teltulmari and Karmatand Township under Master Plan activity. Moreover, External Electrification of ‘B’ type, ‘C’ type and ‘D’ type quarters in Koyla Nagar and External Electrification of another 4020 Nos. of quarters under Master Plan are going on.
- Preparation of Rest Shelter, blast shelter and minor repair work at Central Workshop
- NDT & structure stability test of Winders & Headgear.
- Shifting of KCT make 400 TPH mobile feeder breaker from
  1. LakarkaSdg., Katras Area to Govindpur Area
  2. JogataSijua Area to Bastacolla Area.
  3. Ghanudih to Rajapur OCP of Bastacolla Area
- Procurement of horizontal pumps for dewatering of upcoming patches for coal production/ enhancing the existing capacity.
- Procurement of submersible pumps for different UG mines for safety purpose.
- Procurement of pumps for different collieries under P B Area for dewatering of drowned mines and reduce the risk of water accumulation in Moonidih Mines.
- Procurement of pipes & fitting to aid pumping activities.
- Preparation of day to day pumping reports.

- **SOLAR POWER PROJECTS IN BCCL:-**

Work Order placed for:-

1. Supply, Installation & Commissioning of 110 kWp Solar Plants (with battery Backup) at different magazines of BCCL.
2. Supply, Installation & Commissioning of 297 kWp On-Grid Roof Top Solar Plant at Bastacolla , WJ & Tetulmari Area Office.
3. Supply, Installation & Commissioning of 1.2 MWp On-Grid Rooftop Solar Power Plant on 19 Buildings in different Areas of BCCL.

Upcoming Solar Projects:-

1. 2.312 MWp Grid Connected Solar Rooftop Plants on 45 buildings in different areas of BCCL.
2. 25 MW Ground mounted Solar PV Project at Bhojudih Washery (109 Acres)
3. 20 MW Ground Mounted Solar PV Project at Dugda Washery (70 Acres).

- **ENERGY EFFICIENCY MEASURES IN BCCL:-**

<b>Description</b>	<b>Target</b>	<b>Achievement (Till date)</b>
LED Lights	8800	2565
Energy Efficient ACs	79	--
Super Fan	591	159
E-Vehicles	15	11
Energy Efficient Water Heaters	0	--
Energy Efficient Motors	28	12
Autotimer in Switches	180	14
Capacitor Banks	10	6