



"Traction Distribution (Mumbai Division)"

- Traction Distribution:- Department is responsible for schedule maintenance & proper upkeep of Overhead equipment's, Power Supply installations, Sectioning post & Remote control for providing uninterrupted 25 KV traction supply for running of Electric Locomotive / EMU.
- Traction power supply at various traction sub-station incoming is taken from 220 kV/110 kV transmission line taken from MSEDCL & TATA POWER & further distributed through Sectioning Post & Sub Sectioning & Paralleling Post controlled by Traction Power Controller (TPC) through SCADA system.
- Mumbai Division is 100% electrified. Holding of OHE is 2086.506 TKM out of which 1313.865 TKM is Unregulated/Hybrid type OHE with heavy size overhead conductors i.e. 242 sqmm catenary & 193 sqmm contact wire having critical maintenance activities.
- 15 Location under FOB/ROB & 83 Tunnel locations OHE clearance is critical, maintained at minimum 250mm due to less headroom & contact wire height is 4.54mtr & 4.69 mtr at these locations.
- BB division is pioneer in open access of energy, first in IR to start in the year 2015 till date 2208.10 Cr. Rupees saving and average annual saving of Rs. 218.4858 Cr.
- GIS TSS 220 KV/ 25KV is commissioned on dated 14.02.2022 at Kharbao i.e. first in IR.
- There are 19nos of Traction Sub Station & 52nos of Switching Stations in this division. The complete switching operations are controlled by TPC through SCADA system.
- The Remote control system is completely microprocessor based SCADA system where data is logged along with supervisory control.
- The OHE assets are maintained by 15 Nos. OHE depots & Power supply installations are maintained by 16 Nos. PSI depots situated at different locations of Mumbai Division.
- The Mumbai Division TRD is also maintaining 349 KM of 110 kV transmission line from Thakurli receiving station to Igatpuri & Lonavala. These 110 kV transmission line are feeding 4 nos TSS in KYN-IGP section & 4 nos TSS in KYN-LNL section.
- The Mumbai Division TRD is also maintaining 260.25TKM of 66KV, 110KV, 22KV & 2.2KV Cable network.