

INTRODUCTION

Electrical Department of this Railway is primarily responsible for operation and maintenance of electrical assets pertaining to power supply & Diesel maintenance is also included as per Railway Board's letter no. 2016/08M/8/1 dated 03.08.2016. Apart from power supply arrangements at stations and their circulating areas & yards, staff colonies, office buildings, maintenance depots, workshops, training institutions and other service buildings, etc. through 282 nos. distribution transformers, the department is also responsible for operation & maintenance of water supply pumps (742 nos.), diesel generating sets (138 nos.) for emergency power supply, air conditioning/cooling systems, ensuring maintenance of electrical power line crossings with track by crossing owners etc. The department maintains close liaison with various electrical power supply authorities (DISCOMs) and Rajasthan Electricity Regulatory Commission regarding reliability of supply, payment of energy bills, fixation of tariff etc.

With the inclusion of Diesel Traction under PCEE, Electrical Deptt now also covers 03 Diesel Sheds (Abu road, Bhagat ki kothi & Phulera), 01 Loco Workshop Ajmer, 01 Diesel Loco Service Centres (DLSC), 17 Running Rooms & 15 Crew Lobbies located over NWR. Ajmer -Electric Loco Trip Shed has been commissioned w.e.f August 2020.

There are 18 Passengers Lifts at major Stations & 37 nos. of Escalators at major Stations have been installed for better passenger convenience and being maintained by Electrical Deptt. over NWR.

The Energy consumption in year 2020-21 is 88.294 MU. As a reward of commendable work done in the field of Energy Conservation; North Western Railway has bagged 13 National Energy Conservation Awards from Ministry of Power (MoP), Govt. of India & 52 State Level Awards from Govt. of Rajasthan during the past years in different categories.

Total 2489 RKM has been electrified on 25 kV up to 31.01.2022 over NWR, out of which 695 RKM is on high rise OHE. 57 pairs of Coaching Trains have been switched from Diesel to Electric Traction.

Initiatives have been taken to harness renewable energy sources over NWR. There are 431 nos. LC gates electrified by solar panels, 233 nos. Solar Water Heaters, Solar Pump at 16 locations, Solar Water Heating Plants for Industrial purpose at JU (WS) and 01 no. Solar Based Distilled Water Plants installed over NWR.