

GOOD WORK DONE 2019-20

AIRCONDITIONING OF HERITAGE BUILDING

- Air conditioning of Central Railway Heritage Building (GM's Building) have been completed by providing energy efficient VRF type 2x 28 HP , 24 & 12 HP in one circuit, 2x22 HP outdoor unit, 11 Nos. various capacity AHU & 5 Nos. ductable type AC.
- Air conditioning of newly constructed DRM meeting room have been completed by providing energy efficient VRF type 1x12 HP with Ductable 1x4 TR & 1x6 TR capacity units.

PROVISION OF STAR RATED EQUIPMENTS

- 230 Nos. star rated AC units of various capacity and 14 Nos. water coolers have been provided at various offices, booking office & waiting halls of Mumbai Division.

AIR-CONDITIONING OF RUNNING ROOMS : Thane, Sanpada, Vashi, Kalva, LNL, IGP KJT & TLA completed.

ELECTRIFICATION OF SERVICE BUILDINGS & SIDING

- Electrification of CETI Hostel, RPF Barrack at Mulund and Thane, Railway Claims Tribunal, CSMT have been completed by providing AC units, LED lights, BLDC Fans and electrical points.
- Rewiring of RCT court, CSMT have been done by providing 15 W LED fittings, 10 Nos. AC points & 20 Nos. BLDC ceiling fans.
- Electrification & air-conditioning o Community Hall at Neral have been completed.
- Electrification of Timber Shed at Kalyan have been done by providing LED lights and electrical points.

IMPROVEMENT IN HOSPITAL UPGRADATION

• BYCULLA

- Electrification of Physiotherapy ward, occupational therapy, Blood collection Lab, Radiology and Dental ward have been done by providing 100 Nos. 36 W panel type LED fittings, 30 Nos. wall bracket fans & 20 Nos. energy efficient BLDC fans at Dr. BAM Hospital, Byculla and inaugurated by GM/CR.

- Two nos. mortuaries each of 4 Bodies and 2 bodies' capacity mortuary provided at Byculla Hospital.

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- **KALYAN**

- 15 Nos. 1.5 TR split AC have been provided at ICCU, various OPDs and Doctor's Chambers.
- One no. mortuaries of 2 bodies' capacity mortuary provided at Kalyan Hospital.

SOLAR STREET LIGHTS AT LC GATES

- 40 Nos. 15 W to 18 W integrated Solar lights with battery backup have been provided in Panvel –Roha Section.



LED PROVISION IN STAFF QUARTERS : 100 % Completed.

- **DIRECT METERING STAFF QUARTERS** : 295 Nos. staff quarters at Parel colony and GPRD Colony, Dockyard Road.

TUNNEL LIGHTING

LED light fittings have been provided at tunnel in SE, NE, PNVL-KJT, PNVL-Roha.

STRENGTHENING OF POWER SUPPLY SYSTEM

1. 22 KV/433 V substation has been commissioned at TMS Substation at Chhatrapati Shivaji Maharaja Terminus by providing 2x3.0 MVA, 22 KV/433 V dry type cast resin indoor Transformers, 630 Amps VCB HT Panel with 2 incoming, 2 outgoing, 1 bus coupler, LT Panel with 2 Nos. 4000 Amps ACB as incoming, 1 No. 4000 A bus coupler, 4x2000 A motorised ACB, 6x800 A ACB, 2x630 A ACB, 2x400 A MCCB & 6x250 A MCCB as outgoing alongwith neutral link and 6 KM HT/LT cable.
- 1x100 KVA Diesel Generator Set along with acoustic enclosure and AFM panel installed at Platform No. 6 at Dadar Station as an emergency power supply arrangement.



- 2x1500 KVA, 22 KV at New Ganga Substation and 2x1000 KVA, 11 KV at Old Ganga substation dry type transformers have been charged.
- 2x1000 KVA, 11 KV new substation have been energized to cater additional load of washing siding at Wadibunder.
- 6.8 KM overaged underground and overhead cables are replaced at various locations cables.
- Building Management System have been provided at Panvel Railway station for remote monitoring, switching and to capture electrical data of lighting and ventilation system for PF No. 1&2.

QUICK WATERING

- Quick watering pumping system have been provided at Panvel and Igatpuri by providing 2x40 HP Pump. Time for watering the passing trains has been reduced from 15 minutes to 4 minutes.

IMPROVEMENT IN ILLUMINATION IN YARD AND SHED

- New High Mast Tower 12.5 meter at Carnac Bunder shunting line near PF No. 18 at CSMT, 2 Nos. 16 meter height Highmast Tower at diesel Shed, Kalyan & 9 Nos. octagonal street light pole along with light fitting at Sion Railway Colony have been provided.

LED LIGHTING AT VUNERABLE LOCATIONS IN GHAT SECTION

- At 19 Locations in SE Ghat Section and 9 locations in NE Section, electric power supply along with focus LED lighting have been provided for SWM and CCTV camera.
- At KM 115/0 temporary lighting has been provided due to land sliding between Monkey Hill and Thakurwadi along with DG Set and additional 5x100 W LED light provided for CCTV Camera.

- At KM 124/23 M (boulder falling site in SE Section), by laying 2 core 2.5 sq. mm 150 meter cable, 2 Nos. light fitting and extension of power supply for CCTV have been done.
- At KM 122/27 (Track washed out site in SE Section), by laying 2 core 2.5 sq. mm 300 meter cable, 2x1 KVA DG Set and 5 Nos. 100 W LED focus light have been provide for restoration work.
- At KM 130/6, land sliding site, by laying 2 core 2.5 sq. mm 100 meter cable, light arrangement have been done
- Temporary power supply has been extended by laying 4000 meter alluminium cable for 5 Nos. SWM (PWI tapir, No. 3 to 7 & SWM 117) at SE Ghat section, LNL

FRIGHT EXAMINATION

- 305 Nos. 35 W LED LED light fittings have been provided at Kalyan, Kalamboli & BVT yard Lonavla for Rolling in-out examination of rakes.