



ELECTRICAL (G) PRAYAGRAJ DIVISION

Electrical (G) Performance

SN	Parameters	Achievement 2018-19	Achievement 2019-20	Achievement Upto Jan'2020-21
1	Non Traction electric consumption (In Mill. KWh) (5% reduction wrt last year)	75.84	76.67	53.01
2	Air conditioning of all Running rooms	00	14	05 (All R/Rooms Completed)
3	Electrification of L-Xing gates through SPV modules	34	03	19
4	Provision of Escalators	06	01	00
5	Provision of Lifts	05	06	01
6	Checking of Earthings arrangements	475	1027	910
7	Replacement of conventional geysers by solar water heater (All Running room & Rest houses)	02	00	00



ROOF TOP SOLAR POWER PLANTS

To reduce impact of carbon emission, several green initiatives are being taken by Prayagraj division towards energy conservation.

Total 3.608 MWp (By Rly: 120 KWp+By Renew: 1 MWp+ by Azure: 2.488 MWp) Roof top solar power plants have been installed on roof of various service buildings and Cover Over Platforms over Prayagraj division so far. Total 27.52 Lakh units electrical energy has been generated upto the month of January in FY 2020-21, resulting in aprox. Rs. 98.30 Lakh railway revenue is saved in same duration and approx. 2.20 KilloTon CO2 to be reduced from environment. These are installed on PPP mode and no railway revenue is invested in this project.

Provision of LED light fittings at stations, service buildings and Railway quarters



Railway stations: All 133 electrified Railway stations over Prayagraj division have been equipped with LED light fittings. Resulting in approx. 36.53 lakh kWh electrical energy and approx. Rs 3.0 Crore Railway revenue to be saved per annum and approx. 2.92 KilloTon CO2 to be reduced from environment.

Service Buildings: All Service buildings over Prayagraj division have been equipped with LED light fittings. Resulting in approx. 7.41 lakh kWh electrical energy and approx. Rs 62.88 lakh Railway revenue to be saved per annum and approx. 0.59 KilloTon CO2 to be reduced from environment.

Railway quarters: One time replacement of LED fittings in all railway quarters has been completed. Total 43513 LED fittings of 18 watt each have been provided. Due to this approx. 19.05 lakh electrical units saved per annum and approx. 1.52 KilloTon CO2 to be reduced from environment.

Use of Inverter type Air conditioner:



842 Inverter type air conditioners are installed at various Running rooms over Prayagraj division. Due to this approx. 12.95 lakh electrical units and Rs 1.09 Crore railway revenue to be saved per annum and approx. Rs 1.03 killo ton CO2 to be reduced from environment per year in comparison of conventional type air conditioners.

Drainage water of air conditioner is being used as distilled water for battery.

National monumental Flag:

- To awake the emotions of patriotism in Railway passengers & staffs, Monumental Flag of height 30.5 meters have been commissioned at PRYJ & CNB Railway stations and in GM office Complex, Subedarganj.



- All Driver & Guard Running Rooms over Prayagraj division have been made air conditioned.
- All Officer's chambers over Prayagraj division have been made air conditioned.
- Mechanical, Personnel, Engineering, Commercial, Pay-bill & RPF departments in DRM's office have been made centrally air cooled.