

DRM -Jaipur building is approximately 57 yrs old. This is administrative building to control and monitor operation, maintenance, transportation, construction and other general activities over the division headed by DRM-JP. This building is situated at prime location of Pink city Jaipur having Railway station, Roadways bus stand and other commercial complexes in the nearby areas. The complex of this office is quite lush green having 3 big gardens consisting about 40% of total area besides various big "Ashoka" trees which gives pollution free environment.

All the divisional officers are controlling the entire division from this office. Approximately 1000 employees are working in this office. A control office is also situated in the building, which works round the clock.

In the years 2004-05 & 2005-06 energy conservation measures like provision of CFL fitting replacing incandescent lamp in toilets and galleries, replacement of conventional choke/ballast by electronic ballast, replacement of resistance type regulator with electronic regulator, electronic tube light fittings. In year 2006-07, energy efficient T-5 tube light 1x28W, 2x28W fitting, were provided replacing T8/T12 tube lights. An APFC panel of 1x75KVAR is already provided to maintain power factor 0.99.

A rain water harvesting plant has also been provided in 2006-07 eliminating problem of water logging of complex due to gradient in the out side area besides recharge of underground water sources.

Staff has been regularly counseled about energy conservation & its importance. With the team effort to reduce energy consumption in 2006-07 and provision of T5 fittings, a net reduction of 23.12% Electrical SEC 2006-07 over Electrical SEC 2005-06.

ENERGY CONSERVATION MEASURES- 2006-07

- (1) Heaters— There are nearly 50 officers and 300 staff in DRM office with a non Ac area of 12902 sq mts. Thus nearly, 200 nos. of room heaters of 1000 watts were being used for 5 days in a week from Nov. to Jan. i.e. 3 months. Thus energy saved by stopping use of heaters is 104000 kWH costing Rs. 437000/- per annum.
- (2) Electronic choke- There are 75 energy efficient tube light fitting, provided with electronic choke;. This choke has loss of 1 watt instead of 18 watt in conventional copper choke. Thus a saving of 17 watt on each electronic choke.
- (3) 70 nos. CFL lamps of 11 watt rating have been provided in place of 60W incandescent lamp in Lavatories, stair case of DRM office.
- (4) Geysers are not provided in DRM office.
- (5) DG set is provided for DRM office having AMF panel to switch ON & OFF DG set automatically in case of power supply failure.
- (6) Separate circuit for AC units has been drawn. The AC units are switched OFF during lunch hours and after office closing hours immediately from the panel room.
- (7) All the 320 ceiling fans are provided with electronic regulators in DRM office.
- (8) One energy efficient pump has been provided in DRM office which is operated as per water requirement.
- (9) 750nos. energy efficient T-5 tube light fittings have been provided in office building.
- (10) APFC panel (75KVAR) has been provided for DRM office supply. Approximately Rs. 13000/- has been received as PF rebate for maintaining PF more than 0.95.
- (11) Procurement for 3 star rating energy efficient light fittings and electrical equipments is initiated.