

**Project under Bachat Lamp Yojna for replacement of
incandescent lamp by CFL**

- Jaipur Discom has implemented a Lighting Energy Efficiency project for domestic consumers under the Bachat Lamp Yojna of Bureau of Energy Efficiency, Government of India.
- M/s Banyan Environmental Innovations Pvt. Ltd, Hyderabad has been given the area of Jaipur district comprising of two circles JCC nad JPDC.It has entered into a bilateral agreement with JVVNL and a Tripartite agreement with BEE and JVVNL.
- The company will replace two Incandescent lamps of 40 to 100 watt with CFL for each domestic consumers of Jaipurdiscom at the cost of Rs.15/-each
- Jaipur Discom will not incur any expenses in this project. The company will invest their money which will be recovered by reducing carbon di oxide emissions and earning CER's(carbon credit) under the CDM (Clean development Mechanism).M/s Banyan will give 16% of the CER's earned to JVVNL.
- Each unit of electricity saved results in saving of .6kg of carbon di oxide as such 1667 units of saving in electricity earns one CER which is purchased by the enterprises in developed countries to comply with the provisions of reduction of green house gases as per the Kyoto Protocol.
- Bureau of Energy Efficiency will do the monitoring of the project.
- In all there are 6.25 lakh consumers and nearly 10 lakh bulbs shall be replaced. This shall reduce the peak demand by 60 MW.

Annually 80 Million Units of electricity will be saved thru this project.

- The consumer shall reduce his annual electricity bill by almost Rs. 700.
- Under this project consumers in the two Circles will be given two CFL's on filling a form, depositing two working incandescent bulbs and on submission of the latest paid electricity bill and payment of Rs. 15/- per CFL.
- The sample CFLs' along with meters have been installed in Khokhwala village of JPDC as well as Jhalana Kacchi basti area of JCC. The readings have been obtained and the trend shows that the consumer usage is of CFL is nearly 4 to 5 hrs. which is quite good.
- Report has been submitted to the Ministry of Environment and Forest (Govt. of India) and presentation has been made for the Host country approval which shall be verified shortly and after that the project will be submitted to UNFCCC(United Nations Framework Convention on Climate Change).
- After the project has been registered in UNFCCC there the mass replacement of bulbs by CFL in JPDC and JCC shall take place.
- This project will be a wonderful step towards Energy conservation
- Looking to the progress made rest of JVVNL area including Alwar, Bharatpur, Dausa, Kota, Jhalawar and Sawaimadhopur circles has been awarded to M/S Banyan for implementation of such projects on the same terms and conditions..