

**GOVERNMENT OF INDIA  
COMMUNICATIONS AND INFORMATION TECHNOLOGY  
LOK SABHA**

UNSTARRED QUESTION NO:6014  
ANSWERED ON:03.05.2010  
CONSERVATION OF ENERGY  
Singh Shri Ratan

**Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:**

- (a) whether the electricity charges during the last three years in the Department of Telecom, IT and Posts are as per the prescription level fixed by the Government;
- (b) if so, the details of the expenditure incurred on electricity alongwith measures taken to conserve energy by these Departments;
- (c) whether the Departments of Telecom, IT and Posts have proposed to use green energy sources like solar, wind etc; and
- (d) if so, the details thereof alongwith the likely expenditure to be incurred on these alternate sources of energy?

**Answer**

MINISTER OF THE STATE IN THE MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY (SHRI GURUDAS KAMAT)

(a) No prescription levels for electricity charges have been fixed by Govt.

(b) The details of expenditure incurred on electricity:-

(i) Department of Telecommunications:-

(Expenditure in Rs. Crores)

Year    2007-08    2008-09    2009-2010 (upto February, 2010)

Expenditure    1422.47    1539.31    1432.46

Measures taken to conserve electricity:

The energy conservation measures in the Ministry were initiated much prior to the enactment of the Energy Conservation Act, 2001. Following measures for energy conservation taken:

- # Developed new technology energy efficient products.
- # Improvement of power factor to around 0.98.
- # Switching off stand by transformer.
- # Revision of operating temperature form  $20 + 2^{\circ}\text{C}$  to  $23 + 2^{\circ}\text{C}$ .
- # Scaling down excess level of illumination.
- # Periodic cleaning of filters of ACs.
- # Switching off lights in unmanned areas.
- # General lighting & task lighting scheme.
- # Load balancing.
- # Installation of energy saving devices like occupancy sensors, timers/photo cell switches etc.

- # Use of Low watt/ electronic ballast.
- # Energy efficient fans & fittings with electronic ballasts.
- # Provision of LED lights.
- # Water level indicators & automatic water level controller to regulate operation of pump sets.
- # Water pumps being operated during non peak load periods.
- # Awareness amongst employees created by providing stickers & conducting regular trainings.
- # Core group of technical and financial members constituted to monitor progress of energy conservation measures.
- # MIS for regular monitoring in Telecom Circle.
- # Regular energy audit of the buildings, Orientation courses on energy audit.

(ii) Department of Posts:-

Information is being collected

(iii) Department of Information Technology:-

(Expenditure in Rs. Crores)

Year	2007-08	2008-09	2009-2010
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Expenditure	3.22	3.35	3.08
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Measures taken to conserve electricity:

- # Energy audit of Electronic Building Niketan has been carried out and most of the suggestions made in Energy Report have been implemented by CPWD.
- # Centralized AC system is being switched off at 6.00 pm daily.
- # All Lifts are switched off at 6.00 pm.
- # Water coolers and centralized AC plant are made operational only in summer

(c) (i) Department of Telecommunications.

Yes, Madam.

(ii) Department of Posts

Yes, Madam.

(iii) Department of Information Technology

No, Madam.

(d) The details of Solar/Solar wind green energy projects are as under:

(i) Department of Telecommunications.

# Solar/Solar wind hybrid Pilot project at 28 rural mobile tower sites (one in each State) is being undertaken. Likely expenditure Rs. 680 Lakhs.

# C-DOT is also exploring the use of Non-conventional energy for technologies like SG-RAN, GPON (Gigabit Passive Optical Network), BBWT (Broadband Wireless Terminal) etc.

(ii) Department of Posts

# Solar Power Pilot project at 12 rural Post Offices installed in the year 2009-10. Expenditure of Rs. 48 Lakhs incurred on the project.

# Provision of installation of Solar Power Packs in 25 rural Post Offices has been made for the year 2010-11.

