

GOVERNMENT OF ORISSA  
FINANCE DEPARTMENT

No. 8759 (255<sup>\*\*\*</sup>) F., Dt. 24.2.10  
W.F-II-80/2009

From

**Shri J. K. Mohapatra, I.A.S.**  
**Principal Secretary to Govt.**

To

**The Principal Secretaries/  
Commissioner-Cum-Secretaries/Secretaries/  
Special Secretaries to Government of all Departments/  
All Heads of Departments/All Collectors.**

Sub:- **Energy efficiency in Government Offices.**

Sir,

I am to say that Energy Conservation Act, 2001 empowers both the Central and the State Governments to facilitate and enforce of energy efficiency and conservation measures. Accordingly, Government of Orissa vide Energy Department Notification No. 4215/En. dated 18.05.2007, have issued guidelines for efficient use of energy and its conservation in the State.

1. Energy Department in their letter No. 10531/DE dated 26.10.2009 and 12477/DE dt. 23.12.2009 has also issued guidelines/ instructions to all Departments of Government/ Heads of Departments / PSUs for taking energy conservation initiative through use of energy efficient appliances.
2. Government Departments should take the lead in implementation of energy conservation measures through procurement of energy efficient devices.
3. (i) **Lighting of Government Offices** – The existing incandescent lamps should be replaced by only star labelled Tubular Fluorescent Lamps (TFL) certified by Bureau of Energy Efficiency. The conventional 40W tube lights should be replaced with star labelled T5 tube lights. Use of natural lights during the day time may be ensured which can substantially reduce the lighting load.

(ii) **Air-Conditioner and other appliances used in Government Offices** – The existing Air-Conditioners, Refrigerators, Ceiling Fans etc. when required to be replaced should be replaced by energy efficient star rated Air-Conditioners and Ceiling Fans etc. certified by Bureau of Energy Efficiency. The Air-Conditioner should be set at a temperature level of 25 degree Celsius with simultaneous use of ceiling fan to save energy. Air-conditioned conference halls need to have temperature indicators to ensure that room temperature is maintained as prescribed. Separate feeders for ACs needs to be ensured so that all room ACs can be switched off centrally during the winter.

(iii) **Street Lighting** – In Gram Panchayats, Urban Bodies, Housing Colonies developed by Orissa State Housing Board, Bhubaneswar Development Authority etc., Residential colonies of Government Departments and PSUs, modern lighting technology such as Light Emitting Diode(LED), Metal Halide fittings and T-5 Tube Light fixture should be used for street lighting. Programmable timer should also be used for automatic switching on/off the street lights.

(iv) **Solar Water Heating Systems** – In all Government Hospitals, Guest Houses & Hostels etc., Solar Water Heating Systems as per BIS specifications should be used.

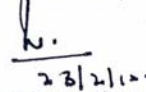
(v) **Water Supply System** – Energy efficient motor pumps and power capacitors should be used in pumping stations. Power factor improvement facility should be used in the pumping station to ensure that the power factor is maintained at 0.9 or more. Regular energy audit needs to be conducted to monitor energy consumption and ensure energy efficiency

4. To ensure energy efficiency, star labelled products, like Ceiling Fans, Refrigerators, room air conditioner units, Tube lights, pumps, motors, distribution transformers, electric geysers etc. certified by Bureau of Energy Efficiency is to be specified for all future procurement.

5. The use of the above products and methods will not only help in reducing the energy consumption charges but also help in mitigating green house gas emissions and narrowing the gap between present demand and availability of power in the State.

I would, therefore, request you to issue necessary instructions for procurement and installation of the energy efficient appliances and adoption of methods facilitating efficient use of energy.


Yours faithfully,

  
23/2/11

**Principal Secretary to Government**

Memo No. 8760 (100) /F., Dt. 24.2.10.


Copy forwarded to all Officers and Branches of Finance Department for information.

 23.2.10

**Joint Secretary to Govt.**

Memo No. 8761 /F., Dt. 24.2.10.

Copy along with a soft copy forwarded to the Head, Portal Group, NIC, Orissa Secretariat for information. He is requested to host a copy of this Circular in the Website of Finance Department.

 23.2.10

**Joint Secretary to Govt.**