

GOVERNMENT OF KARNATAKA

No: EN 87 EMC 2009

Karnataka Government Secretariat,
Vikasa Soudha,
Bangalore, Date: 18.11.2009.

CIRCULAR

Sub: Power Saving by use of Electronic Ballasts (Choke).

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Electricity is an important ingredient in day to day life. It's usage and dependency by the consumers is ever growing. The consumers are expecting the commodity to be reliable with quality. The increased demand for the commodity needs sufficient availability. In making the commodity available its supply, efficient distribution and demand side management play a major role. The demands and management emphasise on saving of power by the consumers.

The consumers of electricity are having a lot to contribute for energy savings. The consumers may use energy efficient gadgets, fittings, lamps etc in their installations to save energy. The saving of energy is not only the contribution from consumer side but also reduction in their monthly energy bills.

In this regard, the use of electronic ballasts (choke) in a fluorescent tube light saves power about 40% of conventional copper choke (ballast). The choke is used to start the tube light and regulate the current and voltage during operation. The magnetic coil in the choke draws more power and current with lesser power factor. By replacing the existing copper choke with electronic chokes there will be substantial amount of savings in power, current and improvement in power factor. M/s KEONICS have entered into MOU with some of the firms which are manufacturing, supplying the electronic ballasts. The Cost of investment per unit will be recovered in 22-24 months.

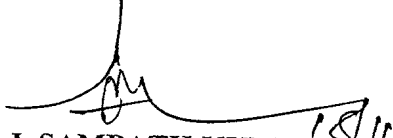
In addition to the power savings by electronic ballasts, the other advantages are no flickering, noise, heating, longer life, warranty upto 8 years and reduction in monthly bills.

Many public/private organizations, institutions are already using electronic ballasts and are benefited.

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In view of the above, it is instructed that in future all the Government Departments, Institutions and Organizations shall use electronic ballasts in place of conventional Copper chokes in the tube light fittings for saving of power.


(S.J. SAMPATH KUMAR),
UNDER SECRETARY TO GOVERNMENT,
ENERGY DEPARTMENT,

① 22034674.

To:

1. All the Principal Secretaries / Secretaries to Government.
2. The Managing Director, Karnataka Power Corporation Limited, Shakti Bhavan, Bangalore-1.
- 3.. The Managing Director, Karnataka Power Transmission Corporation Limited, Kaveri Bhavan, Bangalore-9.
4. The Managing Director, BESCO / MESCOM / GESCOM / HESCO / CESC.
5. The Managing Director, Karnataka Renewable Energy Development Limited, No: 19, Major General A.D. Loganathan INA Cross, Queens Road, Bangalore-52.
6. The Chief Engineer (C&B), Public Works Department, K.R. Circle, Bangalore-1.
7. The Managing Director, Karnataka State Electronics Development Corporation Ltd., No: 29/1, Race Course Road, Bangalore-560 001.
8. The Managing Director, M/s Mandar Promoters, No: 4, Chamber of Commerce Building, Opp. Nehru Stadium, J.C. Nagar, Hubli-580 020.
9. The Commissioner and Director of Municipal Administration, Bangalore.
10. All the Deputy Commissioners.
11. All the Chief Executive Officers, Z.P's.
12. The Commissioner, B.B.M.P., Bangalore.
13. The Commissioners, City Corporations, Hubli-Dharwad / Mysore / Mangalore / Belgaum / Gulbarga / Davangere / Bellary.
14. The Commissioners, All City Municipal Corporations.
15. P.S. to Hon'ble Minister for Energy, Vidhana Soudha, Bangalore.
16. P.S. to Additional Chief Secretary to Government, Energy Department.
17. P.A. to Deputy Secretary to Government, Energy Department.
18. S.G.F/Spare Copies/Office Copy.