S.N.4

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

Dated: 27.03.2015.

No.2006/Elect (G)/150/5

General Manger,
All Indian Railways & Production units,
General Manager/Const/NF Rly, Guwahati.
General Manager, CORE, Allahabad.

Director General, RDSO, Lucknow,
Director General, NAIR, Vadodara,

Sub: Use of LED based tube light fittings over IR.

There is a substantial lighting load in offices and station buildings of Railways. Adoption of energy efficient luminaries can conserve sizeable amount of electrical energy, thereby reducing energy bill of Railways in line with the objectives of Energy Conservation Act, 2001.

2.0 It has been observed that LED lighting products for indoor/outdoor applications are now available in the market at competitive prices and LED tube light consumes less power as against T-5 tube light fitting and is energy efficient besides having longer life. The LED tube lights can also be retrofitted directly into existing T8/T12 tube light fittings.

3.0 Hon'ble MR vide his Budget Speech 2015-16 vide item no. 105 has also announced that:

"Indian Railways is the largest consumer of electricity and thus has substantial potential for reducing energy consumption through various energy conservation measures. Thrust will also be given for adoption of energy efficient LED luminaries, appliances, etc. as a part of an energy conservation drive."

4.0 In view of the above, the following directives are issued with the approval of the Board (ML):

(i) Use of LED Tube light fittings for new office buildings/Railway stations/Staff quarters/ and other installations etc.
(ii) Replacement of T8/T12 Tube light fittings at all the Railway Installations with LED Tube lights progressively as and when it completes its codal life. The choke and fittings thus released should be used as spares.
(iii) T5 Tube light fittings should be replaced gradually with LED Tube fittings after completion of its codal life.
(iv) All replacement should be made in such a manner that choke/Tube fitting having residual life should be gainfully utilized.

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5. Railways are advised to fix minimum technical specification and performance criteria for all LED tube light fittings. Looking at the long life being offered by LED tube lights the complete system of LED lights (including Driver etc.) shall be guaranteed for satisfactorily performance and manufacturing defects for a period of 60 months from the date of commissioning or 72 months from the date of supply whichever is earlier.

This letter supersedes all the earlier instructions issued on the subject to the extent they are not in conformity with these instructions.

This issues with the concurrence of Finance Dte. of Ministry of Railways.

27.3.15

(Sudhir Garg)
Executive Director
Electrical Energy Management
Railway Board

No.2006/Elect(G)/150/5 **Dated:27.03.2015.**

Copy to:

1. FA&CAOs, All Indian Railways & PUs
2. Deputy Comptroller and Auditor General of India Railways, Room No. 224, Rail Bhawan, New Delhi.

For Financial Commissioner/Railways

Copy to the following for information and necessary action:

1. AM(Store), Rail Bhawan, New Delhi
2. CEE (All Zonal Railways & PUs)
3. CEE/CORE, Allahabad.
4. ED/EEM. RDSO, Lucknow
5. Directors, IRICEN/Pune, IRIEEN/Nasik, IRISET/Secunderabad, IRIMEE/Jamalpur,

Copy also to:
a) Director General, BEE, New Delhi.
b) Secretary, Ministry of power, New Delhi.

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(Sudhir Garg)
Executive Director
Electrical Energy Management
Railway Board

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