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18/8/18

Meelon

File No.Z.28011/19/2018-Gen-I



Z.28011/19/2018-Gen-I
Government of India
Ministry of Health & Family Welfare

Nirman Bhawan, New Delhi
13.08.2018

OFFICE MEMORANDUM

Subject: Energy conservation in Building Space Cooling through optimum temperature setting - regarding.

The undersigned is directed to enclose herewith a copy of D.O. No. 11/3/2018-EC dated 6th August, 2018 received from Secretary, Ministry of Power along with enclosures on the subject noted above for ready reference.

2. The aforesaid communication received from Secretary, Ministry of Power, inter-alia brings out that changing the Air Conditioners temperature from conventional 20-21 degree to 24-25 degree Celsius can result in approximately 25% of average energy savings. Bureau of Energy Efficiency (BEE), a statutory body set up under the provisions of the Energy Conservation Act, 2001, has issued necessary guidelines (copy enclosed) recommending the above mentioned optimal temperature settings.

3. Ministries/Departments of Government of India and their attached offices/PSUs/Autonomous Institutes/Statutory bodies are well suited to take a lead in this endeavor by setting an example for public at large towards optimized temperature setting. This would play a vital role in enabling our country to achieve the target of reducing the emission intensity of its GDP by 33 to 35% by 2030 from 2005 level, in line with India's commitments under the Paris Agreement on Climate Change.

4. Accordingly, all concerned are requested to implement the above mentioned guidelines and also impress upon attached offices/PSUs/Autonomous Institutes/Statutory bodies, etc, under their control for similar action.

This issues with the approval of the Competent Authority.

Signature Not Verified
Digitally signed by GOPAL KRISHNA SHUKLA
Date: 2018.08.14 04:57:02 BST
Reason: Approved

(Gopal Krishna Shukla)
Under Secretary to the Govt. of India
Tel:23063514

recd on 24/8/18

circulate to all concerned
G. 14/8

DIR (NE)
A. S. (18)

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18/8

- To
- i. All Joint Secretaries, MoHFW, Nirman Bhawan, New Delhi
 - ii. All Officials/Staff of MoHFW
 - iii. E Office

- Copy for necessary action to:
- i. Director General of Health Services, Dte.GHS, MoHFW, Nirman Bhawan, New Delhi

16/8/18
S. K. (18)
G. B. (18)

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- 1. RML
- 2. SJH
- 3. LHMC

15012/2018/O/O SECY

भल्ला

सचिव

भारत सरकार

AJAY BHALLA

Secretary
Government of India

D.O. No. 11/3/2018-El



सत्यमेव जयते

Ministry of Power
Shram Shakti Bhawan
New Delhi - 110001

विद्युत मंत्रालय

श्रम शक्ति भवन

नई दिल्ली-110001

Tele : 23710271/23711316

Fax : 23721487

E-mail : secy-power@nic.in

August 06, 2018

Dear Secretary,

As you may be aware, the electricity consumption due to space cooling (air-conditioning) accounts for approximately 30 - 40 percent of total consumption of electricity. A substantial amount of energy can be saved, if the temperature setting of Air Conditioners (ACs) done optimally. Technical analysis done by reputed institutions indicates that in order to achieve desired comfort level at steady state, the temperature can be set between 24-25 degree Celsius, with due consideration to the parameters like humidity, air flow etc.

2. Accordingly, managing such optimal temperature through appropriate settings of ACs would not only save considerable energy but also be beneficial to human health. It has been estimated that changing ACs temperature from conventional 20-21 degree to 24-25 degree Celsius can result in approximately 25% of average energy savings. India would be able to reduce the GHG emission of approx. 8.2 million tonne of CO₂ per year. Overall potential for energy conservation through such measures could be to the tune of over 10 billion units (worth Rs.5,000 crores) annually, even if 50% consumers adopt optimum temperature settings.

3. In view of the above mentioned potentials for energy conservations on account of optimal temperatures setting for ACs, the Bureau of Energy Efficiency (BEE), a statutory body set up under the provisions of the Energy Conservation Act, 2001, has issued necessary guidelines recommending the above mentioned optimal temperature settings. A copy of the guidelines along with a concept note in the matter are enclosed

4. Ministries/ Departments of Government of India and their attached offices/ PSUs/Autonomous Institutes/Statutory Bodies are well suited to take a lead in this endeavour by setting an example for public at large towards optimized temperature setting. This would play a vital role in enabling our country to achieve the target of reducing the emission intensity of its GDP by 33 to 35 percent by 2030 from 2005 level, in line with India's commitments under the Paris Agreement on Climate Change.

5. I shall be grateful if your Ministry/Department consider the above mentioned guidelines for implementation and also impress upon the organizations under your Ministry/Department for similar action. We are also undertaking a media campaign for generating awareness in this regard. In case any clarification or further information is required in this regard, you may advise the concerned officer from your organization to contact Shri Abhay Bhakre, Director General, BEE (Tel.No.011 26178116; Email dg-bee@nic.in).

With regards,

Encl : as above

Secretaries to the Government of India
(All Ministries/Departments)

Yours sincerely,


(A.K. Bhalla)

Js (idmn)

Div (idmn)



RIGHT TO
INFORMATION

