


No. A-60019/01/2014-GCS
Government of India
Ministry of Communications and Information Technology
Department of Electronics and Information technology
National Informatics Centre
A-Block, CGO Complex, Lodi Road, New Delhi-110003

Dated: 4th September, 2015

Subject: Advancing IST by half-hour (year-round Daylight Saving Time) reg.

Please find enclosed herewith a copy of communication vide No.15(44)/2015-CD dated 26.08.2015 received from DeitY alongwith a D.O No. 9/28/10-EC dated 11.08.2015 issued by Ministry of Power, Government of India, New Delhi on the above mentioned subject. All the NIC Officer/Staff are requested to offer their comments/suggestions/advice, if any, immediately latest by 7th September, 2015 for compilation and onward transmission to DeitY.


(R.L. Arora) 9/5/15
Deputy Director

To

All concerned.....through INTRANIC

P.R. No. 303832/2015 / 01.09
28/8/15

Reminder

No. 15(44)/2015-CD
Department of Electronics and Information Technology
(Coordination Division)

26th August, 2015

Subject: Advancing IST by half-hour (Year-round Daylight Saving Time) – reg.

Please refer to this Division's communication of even no. dated 19th August, 2015 received from Ministry of Power on subject mentioned above.

2. It is stated that the inputs in respect of your Group/Division are still awaited. Therefore, it is requested to provide the comments/suggestions/advice to this Division latest by 28th August, 2015.

Atif Faiz Khan

(Atif Khan)
Scientist 'C'
I.Com. 852

Encl: As above

To,

1. AS(TR)
2. AS(AK) – Information received from e-learning.
3. SA(MRA)
4. JS(RK)
5. GC(DD) – Information received from R&D in Electronics (ESDA).
6. GC(BMB)
7. DG(NIC)

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DIG (Adm)*

P. Pandey
ADDITIONAL SECRETARY

Tel/fax: 23715378
23731442



भारत सरकार
GOVERNMENT OF INDIA
विद्युत मंत्रालय
MINISTRY OF POWER
श्रम शक्ति भवन, रफी मार्ग
SHRAM SHAKTI BHAWAN, RAFI MARG

नई दिल्ली - 110001
NEW DELHI - 110001

D.O. No.9/28/10-EC

August 11, 2015

Dear Sir,

This is regarding energy savings due to shift of Indian Standard Time (IST). Bureau of Energy Efficiency (BEE) had undertaken a study on "Options for adjusting Indian Standard Time for Energy Saving" through M/s. National Institute of Advanced Studies (NIAS), Bangalore. The terms of reference for the study were to estimate the scope of electricity savings through

- (i) Introducing daylight saving time in the country (i.e. twice-yearly changing in time throughout the country i.e. summer & winter time) or
- (ii) Advancing IST by half-hour (Year-round Daylight Saving Time) or
- (iii) Introducing two time zones (Western and Eastern Time) in the country.

2. Based on the analysis, NIAS suggested that the country may consider advancing Indian Standard Time by half an hour to being 6 hours ahead of GMT (Greenwich Mean Time) i.e. GMT+6.0 marked at 90°E (Dhuburi, Assam), instead of present status of GMT+5.30 at 82.5°E (Jarwa, UP).

3. NIAS estimated that the option of advancing Indian Standard Time by half an hour (option 2) will save the country more than 2.10 billion units of electricity/year (based on data for 2009) on a recurring basis during the evening peak hours. To put the saving figure in perspective in terms of percentage:-

- (a) 0.28% of the total electricity supplied in the country during 2009 (746.6 billion kWh/year);
- (b) 1.7% of the electricity supplied across the country during the evening 4-hour peak in 2009 (123 billion kWh/year); and
- (c) 17.7% of the peaking energy (which is the additional energy supplied during the evening peak, over and above the afternoon base load) supplied during the evening 4-hour peak in 2009 (11.86 billion kWh/year).

4. In financial terms, the anticipated saving (on 2009 figures) based on average traded power cost in the evening is estimated between Rs.1250 and Rs.1450 crore per annum.



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INFORMATION

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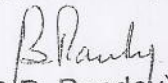


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5. In a meeting of the Committee of Secretaries, chaired by Cabinet Secretary on 23.04.2015, it was decided that there is a need for further consultations with Departments and State Government, particularly with DST on the issue for clarity regarding assumptions and the model used to arrive at the figures of energy saving and also assess the significance of the projected savings. Previous experiences of altering the IST and reversion to the present IST may also be studied.
6. A copy of the report on advancement of IST may be accessed on the weblink: <http://beeindia.in/NIAS.pdf>.
7. I would request for your consideration in the matter and an early advice of your Ministry / Department of in this regard.

With regards,

Yours sincerely,


(B.P. Pandey)

13/8/15

Shri Rakesh Garg,
Secretary,
Department of Electronics & Information Technology,
Electronics Niketan, 6, CGO Complex,
Lodhi Road, New Delhi