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Commercial Instruction No. 01/2011

From

The Superintending Engineer,
Electricity OP Circle,
UT Chandigarh.

To

The Chief Engineer,
UT Chandigarh.

Memo No.SEE/OP/Comml/1/2011/ 09.
Dated 3-1-11.

Sub:- **Press clipping dated 22.11.10 (clarification regarding load/rating of CFL lamps in calculating the electric load).**

Kindly refer to your office U.O.No.2861 dated 22.11.10 on the above cited subject.

In this regard it is submitted that as per the Notification of Chandigarh Admn. 2002 (copy enclosed),it has been mentioned that the electricity consuming devices shall be taken ***as per the actual rating.*** However, in case the actual rating is not known the same shall be taken as 40 Watt in case of bulb.

Further, as per the electricity supply code 2010 notified by the Hon'ble JERC for UTs and Goa (except Delhi) (copy enclosed), it has clearly cited that the rating of bulb shall be taken as "***as per actual rating***".

As such, the Chandigarh Admn. is recognizing the use of CFL or any other energy saving devices for conservation of energy since long.

DA/a.a.

Superintending Engineer,
Electy OP Circle, UT Chd.

CC:-

1. The Executive Engineer, Electy OP Divn.No.1,2,3 & 4 UT Chandigarh for information and necessary action.
2. All the SDO's for information and necessary action please.
3. The SDO (Enforcement) Electy OP Circle, UT Chandigarh for information and necessary action.
4. Commercial Instruction File.

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n) Installation of three phase power sockets by NRS and industrial consumers will not be allowed. However, for computing unauthorized loads, 3 phase power socket may be reckoned as 6 KW.

o) Capacity of electric motor/energy consuming apparatus should be indicated in KW and not in BHP for connected load purposes.

p) It should be ensured that entries of the load in the relevant column of the application/requisition form for supply of electricity are based on actual requirement and are not exaggerated. In case of any discrepancy necessary correction should be made by adopting the actual rating of the energy consuming device to be used. If, however, the actual rating of any of the following energy consuming apparatus is not known, load may be assessed on the following standard wattages adopted for load surveys for domestic and NRS consumers and general load of other categories of consumers.

	Domestic Supply	N.R.Supply
Light Points	40 Watts each	40 Watts each.
Fan Points	80 -do-	80 Watts each.
Wall Sockets for Lights and Fans	40 -do-	40 -do-

q) **Connected load of Air conditioners:** in respect of domestic and NRS consumers the air conditioners shall be permanently wired through miniature circuit breakers/switches and not controlled through power sockets. Load of the air-conditioners shall be reckoned/sanctioned on actual rating of the air-conditioners and not treated as the load of the power sockets. In the case of existing domestic and NRS consumers excess load of ACs shall be regularized and AACD and service connection charges for the actual load of the air-conditioners based on their rating shall be recovered. However, AC load(s) of existing industrial connections installed for industrial purpose in offices, residential quarters etc. and being billed under relevant industrial tariff schedule shall not require regularization.

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Annexure – 1

Determination of Connected Load

Domestic Connection

1. Name of the consumer : _____

2. Address : _____

_____

3. Consumer Number (for existing connections) : _____

4. Electrical equipments proposed to be put to use : (*Please fill-up the following table to enable determination of the connected load. Normally the actual load of each item will be considered to determine the connected load at the premises. In case of non availability of the rated capacity of any item, the load shown below shall be considered.*)

Item (1)	Load per item (Watts) (2)	No. (3)	Total load (Watts) (4=2X3)
Bulb	As per actual rating		
Tube light (Fluorescent) 4'	40		
2'	20		
Fan	60		
Tape-recorder/Music system	25		
Television Colour Black & While	 100 60		
Mixie	60		
Refrigerator	200 or actual		
Cooler	200 or actual		
Heater (for cooking and water heating)	1000		
Washing machine	750 or as actual		
Geyser	1500 / 2000 or as actual		
Microwave Oven 2000	2000		
Air Conditioner (1 ton/1.5 ton/2.0 ton)	1500 / 2000 / 2250		
Split Air Conditioner 1.5 ton	2250		
Computer	100		
Printer	150		
Water lifting Pump set	375 or actual		

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Inverter to be used in case of power failure for own use	Nil		
Spare plug points			
(a) 5 Amp	100 W		
(b) 15 Amp	1000 W		
Others - on Actuals			
	Totals		

Note:

(a) 1/3rd of the total unused plugs incase of domestics and general purpose supply and 50% (half) of the plug points of the commercial category shall be counted for computing connected load.

(b) Defective appliances like cooler, freeze, T.V., Iron, Oven, etc which are not connected and not working shall not be taken into account.

(c) In some domestic connections Geyser, Room Heater and Air-conditioner (without heater) are installed. The load of Geyser(s) and Room Heater(s) shall be accounted for billing for the month of December, January & February and the load of Air-conditioner(s) (without heater) shall be taken into account for the month of April to September. The load of Air-conditioner(s) with heater(s) shall be accounted as connected load for full year.

(d) Any other item of load not included above shall be taken as per manufacturers rating.

(e) Fraction of load in kW shall be taken as next higher whole number for the purpose of billing or as otherwise provided in the tariff order.

(f) Assessed load may be upto 105% of the approved connected load.

Signature of the Consumer
Date:_____
Place : _____

Signature of the licensee's representative
Date:_____
Place : _____

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