

### Assessment Report

#### 1.1 Assessment of units Consumed

##### (1) In case of LT consumers:

The quantity of units consumed per month shall be worked out in the manner prescribed

$$\text{Consumption per month} = AXBXCXD$$

Where

A is total connected load found at time of inspection

B is diversity factor

C is an average load factor

D is the number of hours in a month

For the assessment of energy consumed, the diversity factors and the average load factors for the various categories of consumers shall be taken as under.

#### Load Factor and Diversity Factor:

Sr. No.	Category	Purpose	Diversity Factor	Load Factor
1	Residential Consumers	Lighting and Fans	2.5	16%
		Heating appliances	1.0	16%
		Cooling appliances		
		Feb-Oct	1.0	30%
		Nov-Jan	1.0	NIL
2	Non-Residential Consumers	Lighting and Fans	1.0	30%
		Heating appliances	1.0	40%
		Cooling appliances	1.0	40%
3	LT (Industrial) Consumers	All industrial	1.5	28% for one Shift
				50% for two Shift
				70% for three Shift
				Each shift of eight hours
4	Water works	Water pumping / sewage pumping	1	24%
5	Public lighting	Street lighting	1	50%
6	Agricultural consumers under metered tariff		1.0	16%
7	Direct connection for any category	Agricultural category	1.0	50%
		Any other category	1.0	50%

**(2) In case of HT consumers:**

In case of HT consumers, the actual maximum demand shall be considered as equivalent to 75% of the total connected load of the consumer at the time of inspection subject to a minimum of the contracted demand and the energy consumption shall be as assessed as under:

**Assessed units per month = M x H x C**

Where M = Demand in KW (KVA x PF)

H = Nos. of Hours in a month

C = Load factor

<b>Category of HT consumers</b>	<b>Load factor</b>
Hotels	50%
Large commercial complexes	37.5%
Iron & steels	60%
Chemical factory	60%
Cement	60%
Oil Mills & solvents	60%
Ginning and pressing	60%
Engineering Goods	50%
Cold storage & ice	50%
Sugar & Khandsari	60%
Dairy	50%
Cinema	60%
Direct connections	100%
Others	8 hours shift
	30% - 1 Shift
	50% - 2 Shifts
	75% - 3 Shifts

Period during which unauthorized use of electricity has taken place is to be considered for assessing the loss. If the period during which such unauthorise use of electricity has taken place cannot be ascertained such period shall be limited to a period of 12 months (365 days) immediately preceding the date of inspection.

**1.2 Assessment in case of unauthorized use of electricity (UUE)**

(i) The consumption so assessed shall be charged at twice the rate per unit of the tariff applicable to the consumer category after adjusting the amount paid by the consumer / person for the energy consumption assessed for the assessment period if any. The amount

billed at this rate shall not be taken into consideration for the purpose of computing consumer's liability to pay monthly / annually minimum charges, wherever applicable.

(ii) If the connected load of the consumer is found in excess of load contracted, then the fixed charge or demand charge, as the case may be, shall also be charged at two times of the fixed charge or demand charge for the connected load minus charge or demand charge for the contracted load at the applicable tariff rate. Period for computation of this charge shall be as given at 'D' above.

(iii) In cases where fixed monthly tariff exist, monthly assessment shall be made at twice the monthly rate.

### **1.3 For cases where usage of electricity is for other purpose than authorized.**

(i) If it is found at any time that the energy supplied is used for a purpose on which higher tariff is applicable, the total energy consumed in the previous twelve month from the date of detection shall be charged at twice the rate applicable for the category for which load was found to have been used. Provided if it is found at any time that the energy supplied is used for a purpose on which lower tariff is applicable, it shall not be considered as UUE and no penal action will be taken.

(ii) The calculations above are subject to the condition that metering of energy is healthy, else, the energy will be calculated as given in para 1.1 after adjusting the amount if any paid by the consumer / person for the energy consumption assessed for the assessment period.

### **(1.4) Assessment of Energy in cases of Theft / Pilferage.**

(i) Assessment of energy in the cases of theft / pilferage shall be done based on the formula in para 1.1 above as in unauthorized use. The 'A', 'B','C','D', 'M' and 'H' shall remain the same.

(ii) Only for direct theft, 'C' shall be = 1.0 (100%)

(iii) The consumption so assessed, shall be charged at three times the normal tariff applicable and payment made for energy consumption of the assessment period shall be adjusted.