

**FORMAT FOR PRELIMINARY ASSESSMENT OF TOTAL ENERGY CONSUMPTION IN THE
CAPTIVE POWER PLANT UNIT**

Name of Unit		
Complete address of the Unit along with Telephone No., Fax NO. & E-mail		
Name and Telephone of contact person at the Unit		
A. Power and Fuel Consumption (please provide Unit data)		
	Current Year	Previous Year
1. Electricity		
(a) Purchased		
Units (lakh kwh)		
(b) Own generation		
(i) Through diesel generation		
Units (lakh kwh)		
Units per litre of diesel oil		
(II) Through steam turbine / generator		
Units (lakh kwh)		
Units per litre of Fuel Oil / Gas/ Solid Fuel		
(iii) Through Gas turbine /generator		
Units (lakh kwh)		
Units per litre of Fuel Oil / Gas		
(iv) Any other sources such as wind, renewables etc.		
Units (lakh kwh)		
2. Coal/lignite/other solid fuels (specify quality and where used Quantity (tones) Gross calorific value		
3. Furnace Oil / LSHS/HSLS/HSD/LDO Quantity (kilometers) Gross calorific value		
4. Gaseous fuels (CNG /LPG) Quantity (SCM) / tones Gross calorific value		
5. Others / internal generation (please give details) Quantity Gross calorific value		

* **Fuel Consumption may be given which is used for process not for power generation.
In case, if fuel is used as a raw material, it will not be considered as an input energy.**

B. Production Data (Please provide Unit data)		
Finished Product	Current Year	Previous Year
Product 1 (with details) Installed Capacity Production		
Product 2 (with details) Installed Capacity Production		

NOTE : - For power generating plants, please give fuel inputs, Gross Calorific value, Installed Capacity of each unit, power generation in million units, plant heat rate in Kcal / kwh and plant load factor.

Signature of the chief
Executive

Name & designation of
The Chief executive
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Organization Seal

Date

Place

Mandatory Information to be submitted by Designated Consumers on the Appointment or Designation of Certified Energy Manager

Name of the Sector	
Name of Plant (State /UT)	
Complete Postal Address of the plant including :- a) Chief Executive's Name b) Mobile No. c) Telephone No. with STD code d) Fax No. with STD code e) E-mail address	
Annual Energy Consumption of the plant in terms of Metric Tonne of oil Equivalent (MTOE)	
Name of the Certified Energy Manager with a) BEE Exam Registration No. b) Complete Postal address c) Mobile No. d) Telephone No. with STD code e) Fax No. with STD code f) E-mail address	

Signature of the chief

Executive

Name & designation of

The Chief executive

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Organization Seal

Date

Place

Note : Attach self attested copy of certificate of certified Energy Manager

ENERGY COVERSION TABLE AND SAMPLE CALCULATION FOR ANNUAL ENERGY CONSUMPTION IN TERMS OF MTOE

Sl. No.		
1.	1 Kwh	860 Kcal
2.	1 kg Coal / Coke	Gross calorific value as per suppliers (Coal Company's) latest Certificate
3.	1 kg charcoal	6900 kcal or as per supplier certificate
4.	1 kg Furnace Oil / Residual Fuel Oil / Low Sulphur Heavy Stock – Naptha	10,050 kcal (density = 0.9337 kg/Litre) or as per supplier certificate.
5.	High Speed Diesel	11,840 kcal (density = 0.8263kg/Litre) or as per supplier certificate.
6.	1 kg Petrol	11,200 kcal (density = 0.8263 kg/Litre) or as per supplier certificate.
7.	1 kg Kerosene	11,110 kcal (density of SKO = 0.7782 kg/Litre) or as per supplier certificate.
8.	1 m ³ Natural Gas	8,000 to 10,500 kCal or as Supplier Certificate
9.	Other fuels or Waste material or by products used as a fuel	Gross calorific value as per the Certificate from central / state Govt. approved laboratory.

* For the purpose of this table, 1 kg of oil equivalent = 10,000 k-Cal
 1 metric tonne of oil equivalent (MTOE) = 10×10^6 Kcal