

MINISTRY OF POWER

NOTIFICATION

New Delhi, the 12th March, 2007

S.O. 394 (E).—Whereas the Central Government, in consultation with the Bureau of Energy Efficiency, having regard to the intensity or quantity of energy consumed and the amount of investment required for switching over to energy efficient equipment and capacity of industry to invest in it and availability of the energy efficient machinery and equipment required by the industry, is satisfied that some user or class of users of energy may be specified as designated consumer;

And whereas, the Schedule to the Energy conservation Act, 2001 (52 of 2001), specifies certain energy Intensive Industries and other establishments as designated consumers;

And whereas, the Central Government considers it necessary to provide that only those energy intensive industries and other establishments having annual energy Consumption as indicated against each industry or establishment by the Central Government from time to time, shall be notified as designated consumers;

Now, therefore, in exercise of the powers conferred by the clauses (e) and (f) of Section 14 of the Energy Conservation Act, 2001 (herein referred to as the said Act), the Central Government, in consultation with the Bureau of Energy Efficiency, hereby alters the list of Energy Intensive Industries and other establishments specified in the Schedule to the said Act, namely:—

1. Thermal Power Stations-30,000 metric tonne of oil equivalent (MTOE) per year and above.
2. Fertilizer-30,000 metric tonne of oil equivalent (MTOE) per year and above.
3. Cement-30,000 metric tonne of oil equivalent (MTOE) per year and above.
4. Iron and Steel-30,000 metric tonne of oil equivalent (MTOE) per year and above.
5. Chlor-Alkali-12,000 metric tonne of oil equivalent (MTOE) per year and above.
6. Aluminium-7,500 metric tonne of oil equivalent (MTOE) per year and above.
7. Railways—
 - (a) the electric traction Sub-section (TSS) in each Zonal Railway having maximum energy consumption as per the table given below:—

TABLE

Railway Zone	List of TSS
Central Railway	Wardha
Eastern Railway	Titagarh
East Central Railway	Koderma
East Coast Railway	Simhachalam North
Northern Railway	Narela
North Central Railway	Mathura
Southern Railway	Avadi
South Central Railway	Krishna Canal
South Eastern Railway	Balichak
South Western Railway	Bangarapet
South East Central Railway	Bilaspur
Western Railway	Makarapur
West Central Railway	Bina

- (b) the diesel loco shed in each Zonal Railway as per table given below:—

TABLE

Railway Zone	Loco Shed
(1)	(2)
Central Railway	Kalyan
Eastern Railway	Undal
East Central Railway	Patratu
East Coast Railway	Vishakhapatnam

(1)	(2)	1 M ³ Natural Gas	8,000-10,500 kcal (Actual calorific value as per supplier's latest certificate will be considered.) In case of non-issue of certification by the supplier, average of the range 8000-10,500 kcal/M ³ will be considered).
Northern Railway	Ludhiana		
North Central Railway	Jhansi		
North Eastern Railway	Gonda		
Northeast Frontier Railway	New Guwahati		
North Western Railway	Abu Raod		
Southern Railway	Erode	Other Fuels or waste material or by product used as a Fuel	Gross Calorific value as per the certificate from a National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited laboratory or Central Government laboratory or State Government laboratory or Government approved laboratory provided the fuel sampling for assessing the calorific value has also been carried out by the concerned laboratory.
South Central Railway	Kazipeth		
South Eastern Railway	Kharagpur		
South East Central Railway	Raipur		
South Western Railway	Hubli		
Western Railway	Vatva		
West Central Railway	New Katni Jn.		

(c) all six production units i.e. Integral Coach Factory (ICF), Rail Coach Factory (RCF), Chittaranjan Locomotive Works (CLW), Diesel Locomotive Works (DLW), Diesel Component Works (DCW) and Rail Wheel Factory (RWF);

(d) workshops on Indian Railways having total annual energy consumption of 30,000 MTOE or more.

8. Textile-3,000 metric tonne of oil equivalent (MTOE) per year and above

9. Pulp and Paper-30,000 metric tonne of oil equivalent (MTOE) per year and above

Note : 1 The energy conversion value given in the table below shall be used for working out annual energy consumption in terms of metric tonne of oil equivalent.

TABLE

1kwh	860 kilocalories (kcal)
1 kg. Coal/Coke	Gross Calorific Value as per supplier's (coal company's) latest certificate
1 kg. Charcoal	6,900 kcal or as per supplier's latest certificate
1 kg. Furnace Oil/ Residual Fuel Oil/Low Sulphur Heavy Stock- NAPHTHA	10,050 kcal (density=0.9337 kg/ litre) or as per supplier's latest certificate
1 kg. High Speed Diesel	11,840 kcal (density=0.8263 kg/ litre) or as per supplier's latest certificate
1 kg. Petrol	11,200 kcal (density=0.7087 kg/ litre) or as per supplier's latest certificate
1 kg. Kerosene	11,110 kcal (density of SKO=0.7782 kg/ litre) or as per supplier's latest certificate
1 kg. Liquefied Petroleum Gas	12,500 kcal or as per supplier's latest certificate

For the purpose of this table,—(i) 1 kg. of Oil Equivalent: 10,000 kcal

(ii) 1 Metric Tonne of Oil Equivalent (MTOE):
10 × 10⁶ kcal

(iii) In case of coal, petroleum products and other fuels, in absence of the supplier's certificate (due to its non-issue by the supplier), the gross calorific value of the above fuels will be considered as per the Test Certificate from a National Accreditation Board for Testing and Calibration Laboratories (NABL) Accredited Laboratory or Central Government Laboratory or State Government Laboratory or Government recognized Laboratory provided the fuel sampling for assessing the calorific value has also been carried out by the concerned Laboratory.

Note : 2 For the purpose of declaring energy intensive industry or any other establishment specified in the Schedule to the Act, the limit of annual energy consumption in terms of metric tonne of oil equivalent shall be reviewed every three years with effect from the date of publication of this notification.

Note : 3 The provisions mentioned in this Schedule shall not be applicable to the Ministry or the Department of the Central Government dealing with Defence, Atomic Energy, Space, Internal Security or Undertakings or Boards or Institutions under the control of such Ministries or Departments.

[F.No. 10/13/2002-EM]

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