

MINISTRY OF POWER

NOTIFICATION

New Delhi, the 2nd March, 2007

G.S.R. 174(E).—In exercise of the power conferred by clause (i) of Sub-section (2) of Section 56 of the Energy Conservation Act, 2001 (52 of 2001), the Central Government, in consultation with the Bureau of Energy Efficiency, hereby makes the following rules, namely :—

1. Short title and commencement.—(1) These rules may be called the Energy Conservation (the form and manner for submission of report on the status of energy consumption by the designated consumers) Rules, 2007.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. Definitions.—(1) In these rules unless the context otherwise requires,—

(a) “Act” means the Energy Conservation Act, 2001 (52 of 2001);

(b) “Financial Year” means the year beginning on the 1st day of April and ending on the 31st March following.

(2) Words and expression used herein but not defined shall have the meanings respectively assigned to them in the Act.

3. Submission of Report on the status of energy consumption by Designated Consumer.—(1) Every designated consumer shall :—

(a) submit in electronic form as well as hard copy to the designated agency, within three months, the first report on the status of energy consumption at the end of the previous financial year in Form 1 of the Annexure; and

(b) submit to the designated agency subsequent reports for each financial year in the same manner on the status of energy conservation in Form 1 of the Annexure within three months of the close of that financial year.

(2) The Bureau may prescribe different forms for different sections from time to time.

4. Authentication of Data.—Every designated consumer shall ensure that all the data furnished under rule 3 are duly authenticated by the energy manager appointed or designated by the designated consumer, the Chief Executive or his nominee authorized for the purpose before it is sent to the designated agency under rule 3 of these rules.

5. Supply of Data to the Bureau.—(1) Every designated consumer shall also furnish the data in electronic form as well as hard copy, referred to in clauses (a) and (b) of Sub-rule (1) of Rule 3 of these rules, duly authenticated, in the manner prescribed in rule 4 of these rules, to the Bureau of Energy Efficiency.

[F.No. 10/6/2006-EC]

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Annexure

Form—1

Details of information regarding total energy consumed and
specific energy consumption per unit of production

(See rule 3)

1. Name of the Unit
2. The Sector* to which unit falls (Refer Annex-1)
3. (a) Complete address of Unit's location (including Chief Executive's name & designation) with mobile, telephone, fax nos. & e-mail.
- (b) Year of Establishment
4. Registered Office address with telephone, fax nos. & e-mail
5. Name, designation, address, mobile, telephone, fax nos. & e-mail of energy manager
6. Production and capacity utilization details

Year	Main Product	Units (Please specify)	Installed Capacity (a)	Actual Production (b)	%Capacity Utilisation (b/a) × 100
Current financial year					
Previous financial year					
			Current financial year	Previous financial year	
7.0	Energy Consumption and cost				
7.1	Electricity Consumption and cost				
	(A) Purchased Electricity				
	(i) Units (Million kWh/year)				
	(ii) Total Cost (Rs. Million/year)				
	(iii) Plant Connected Load (kW)				
	(iv) Contract demand (kVA) with utility				
	(v) Connected load (kW)				
	(B) Own Generation				
	(a) Through DG sets				
	(i) Annual generation (Million kWh/year)				
	(ii) Total Cost (Rs. Million/year)				
	(iii) Fuel used (HSD/LDO/LSHS/LSFO)				
	(iv) Gross calorific value (kCal/kg)				
	(v) Annual fuel consumption (tonne)				
	(vi) Total annual fuel cost (Rs. Million)				
	(b) Through Steam turbine/generator				
	(i) Annual generation (Million kWh/year)				
	(ii) Fuel used state which type of fuel was used (C = coal, B = biomass, F = electricity). If coal was used, state which grade i.e. C/I = imported or C/F = coal of grade F				
	(c) Through Gas turbine				
	(i) Annual generation (Million kWh/year)				
	(ii) Fuel used (state which type of fuel was used NG, PNG, CNG, Naphtha)				
	(iii) Gross calorific value (kCal/SCM)				
	(iv) Annual fuel consumption (SCM)				
	(v) Total annual fuel cost (Rs. Million)				
	(C) Total generation of electricity (Million kWh/year)				
	7.1 (B) [a(i)+b(i)+c(i)]				
	(D) Electricity supplied to the grid/others (specify) (Million kWh/year)				
	(E) total Electricity consumed (Million kWh/year) 7.1 [A(i) + C—D]				
7.2	Fuel consumption and % cost for process heating				
	(A) Coal				
	(i) Gross calorific value (kCal/kg)				
	(ii) Quantity purchased (tonne/year)				
	(iii) Quantity used for power generation (tonne/year)				
	(iv) Quantity used as raw material, if any (tonne/year)				

	Current financial year	Previous financial year
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- (v) Quantity used for process heating (tonne/year)
- (vi) Total coal cost for process (Rs. Million/year)
- (B) Lignite**
- (i) Gross calorific value (kCal/kg)
- (ii) Quantity purchased (tonne/year)
- (iii) Quantity used for power generation (tonnes/year)
- (iv) Quantity used as raw material, if any (tonne/year)
- (v) Quantity used for process heating (tonne/year)
- (vi) Total lignite cost for process (Rs. Million/year)
- (C) Bio-mass Other purchased solid fuels (pl. specify baggase, rice husk, etc.)**
- (i) Average moisture content as fired (%)
- (ii) Average Gross calorific value as fired (kCal/kg)
- (iii) Quantity purchased (tonne/year)
- (iv) Quantity used as raw material, if any (tonne/year)
- (v) Quantity used for process heating (tonne/year)
- (vi) Total baggase cost for process (Rs. Million/year)

7.3 Liquid

- (A) Furnace Oil**
- (i) Gross calorific value (kCal/kg)
- (ii) Quantity purchased (kL/year)
- (iii) Quantity used for power generation (kL/year)
- (iv) Quantity used as raw material, if any (kL/year)
- (v) Quantity used for process heating (kL/year)
- (vi) Total F.O. Cost for process heating (Rs. Million/year)
- (B) Low Sulphur Heavy Stock (LSHS)**
- (i) Gross calorific value (kCal/kg)
- (ii) Quantity purchased (tonne/year)
- (iii) Quantity used for power generation (tonne/year)
- (iv) Quantity used as raw material, if any (tonne/year)
- (v) Quantity used for process heating (tonne/year)
- (vi) Total LSHS Cost for process heating (Rs. Million/year)
- (C) High Sulphur Heavy Stock (HSHS)**
- (i) Gross calorific value (kCal/kg)
- (ii) Quantity purchased (tonnes/year)
- (iii) Quantity used for power generation (tonne/year)
- (iv) Quantity used for raw material, if any (tonne/year)
- (v) Quantity used for process heating (tonne/year)
- (vi) Total HSHS Cost for process heating (Rs. Million/year)
- (D) Diesel oil**
- (a) High Speed Diesel (HSD)**
- (i) Gross calorific value (kCal/kg)
- (ii) Quantity purchased (kL/year)
- (iii) Quantity used for power generation (tonne/year)
- (iv) Quantity used as raw material, if any (kL/year)
- (v) Quantity used for process heating (kL/year)
- (vi) Total HSD Cost for process heating (Rs. Million/year)

Current financial year

Previous financial year

(b) Light Diesel Oil (LDO)

- (i) Gross calorific value (kCal/kg)
- (ii) Quantity purchased (kL/year)
- (iii) Quantity used for power generation (kL/year)
- (iv) Quantity used as raw material, if any (KL/year)
- (v) Quantity used for process heating (KL/year)
- (vi) Total LDO Cost for process heating (Rs. Million/year)

7.4 Gas**(A) Compressed Natural Gas (CNG)**

- (i) Gross calorific value (kCal/SCM)
- (ii) Quantity purchased (million SCM/year)
- (iii) Quantity used for power generation (million SCM/year)
- (iv) Quantity used as raw material, if any (million SCM/year)
- (v) Quantity used for process heating (million SCM/year)
- (vi) Total cost of natural gas for process heating (Rs. Million/year)

(B) Liquefied Petroleum Gas (LPG)

- (i) Gross calorific value (kCal/SCM)
- (ii) Quantity purchased (million SCM/year)
- (iii) Quantity used for power generation (million SCM/year)
- (iv) Quantity used as raw material, if any (million SCM/year)
- (v) Quantity used for process heating (million SCM/year)
- (vi) Total cost of LPG for process heating (Rs. Million/year)

(C) Gas generated as byproduct/waste in the plant and used as fuel

- (i) Name
- (ii) Gross calorific value (kCal/SCM)
- (iii) Quantity used for process heating (million SCM/year)
- (iv) Total cost of byproduct gas for process heating (Rs. Million/year)

7.5 Solid Waste**Solid waste generated in the plant and used as fuel**

- (i) Name
- (ii) Gross calorific value (kCal/Kg)
- (iii) Quantity used for process heating (tonne/year)
- (iv) Total cost of solid waste for process heating (Rs. Million/year)

7.6 Liquid Waste**Liquid effluent/waste generated in the plant and used as fuel**

- (i) Name
- (ii) Gross calorific value (kCal/Kg)
- (iii) Quantity used for process heating (tonne/year)
- (iv) Total cost of liquid effluent for process heating (Rs. Million/year)

7.7 Others

- (i) Name
- (ii) Average gross calorific value (kCal/kg)
- (iii) Quantity used for power generation (tonnes/year)
- (iv) Quantity used for process heat. (tonnes/year)

Current financial year

Previous financial year

(v) Annual cost of the others source

Annexure 1—Name of Sectors

Aluminium, cement, chemicals, chlor-alkali, fertilizers, gas crackers, iron and steel, naphtha crackers, pulp and paper, petrochemicals, petroleum refineries, sugar, textile.

Annexure 2—Nomenclature

HSD	High Speed Diesel
LDO	Light Diesel Oil
LSHS	Low Sulphur Heavy Stock
LSFO	Low Sulphur Furnace Oil
C	Coal
B	Biomass
E	Electricity
CI	Coal Imported
C/F	Indian Coal grade F
NG	Natural Gas
PNG	Piped Natural Gas
CNG	Compressed Natural Gas
FO	Furnace Oil
LPG	Liquefied Petroleum Gas
SCM	Standard Cubic Metre (15°C and 1.01325 bar)
KL	Kilo Litre
Million	Ten (10) lakh