

STATE ENERGY CONSERVATION AWARD - 2016
(LARGE/MEDIUM/SMALL SCALE INDUSTRY)
"Award Questionnaire"

Sector Name:

Sector Code:

1	Name of the Unit				
2	The Sector* to which unit's nomination should be considered				
3(a)	Complete address of Unit's location (including Chief Executive's name & designation) with mobile, telephone, fax nos. & e-mail (All details to be submitted)				
3(b)	Year of Establishment				
3(c)	Whether ISO 50001 Energy Management System Certified (Yes/No). In case Yes, pl indicate certification date and attached a copy of certificate				
4(a)	Name, designation, address, mobile, telephone, fax nos. & e-mail of responsible person who could be contacted in connection with the application for Award (All details to be submitted)				
4(b)	Name, designation, address, mobile, telephone, fax nos. & e-mail of Certified Energy Manager who has been designated as Energy Manager of the plant				
5	Production and capacity utilization details				
Year	Products manufactured (Please list all the major products)	Units (Please specify)	Installed Capacity (a)	Actual Production (b)	% Capacity Utilisation (b/a) x 100
2014-15					
2015-16					
6	Energy Consumption details	2014-15		2015-16	
6.1	Electricity Consumption Units (Lakhs kWh/ year)				
(A)	Purchased Electricity (Lakhs kWh/ year)				
(B)	Own Generation (Lakhs kWh/ year)				
a)	Through DG sets (Lakhs kWh/ year)				
b)	Through Steam and/or gas turbine route (please specify)(Lakhs kWh/ year)				
c)	Through Renewable Energy (Lakhs kWh/ year)				
d)	Electricity supplied to the grid/ others (specify) (Lakhs kWh/ year)				
(C)	Own generated electricity consumption within the plant (Lakhs kWh/ year) [a + b + c - d]				
(D)	Total consumption of electricity (purchased + own generated electricity consumption within the plant) (Lakhs kWh/ year) (A + C)				
(E)	Total Electricity Consumption in MTOE(Metric tonne of oil equivalent) [(6.1(D)*860)/100]				
6.2	Fuel Consumption for process heating	2014-15		2015-16	
	Note:1. It should not include fuel used for self generation of electricity and as a Raw Material and/or industrial Units using fuel for Cogeneration Plant 2. For computing fuel consumption for process heating in case of steam being used from a cogeneration plant, the following relation may be used: Fuel consumption for process heating, kg/year= (steam quantity used for process heating, kg/year(enthalpy of steam, kcal/kg - boiler feed water enthalpy, kcal/kg)) / (Boiler efficiency x GCV of fuel, kcal/kg). For different steam pressure extractions, the above relation to be repeated				
(A)	Coal				
(i)	Quantity used for process heating (tonnes/ year)				
(ii)	Weighted Av. Gross Calorific value (GCV) (kCal/ kg)				
(iii)	Total heat value of coal used (Million kCal/year) [A (i) x A (ii)]/1000				
(B)	Other purchased solid fuels (pl. specify) provide data on similar lines as indicated under 'Coal'				
(C)	Furnace Oil (FO)				
		2014-15		2015-16	
(i)	Quantity used for process heating (kL/ year)				
(ii)	Av. GCV (kCal/ kg)				
(iii)	Av. Heat value (kCal/ litre) 0.95 x C(ii)				
(iv)	Total heat value of furnace oil (Million kCal/year)				

(iv)	[C(i) x C(iii)]/1000		
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