



KERALA STATE ENERGY CONSERVATION AWARD - 2017



OBJECTIVE

To give recognition to the selected enterprises, organisations and individuals who have made systematic and serious attempts for efficient utilization of energy, conservation of energy, research and promotion of energy efficiency during the year 2016-17 in the State of Kerala.

THE AWARDS

The awards are proposed to be given in the form of a Plaque with appropriate citation on such award, as may be decided by the State Level Monitoring Committee for Energy Conservation (SLMCEC) in Kerala.

Sl No	Category	Prize
1	Large Scale energy consumers	Citation, Plaque
2	Medium Scale energy consumers	Citation, Plaque
3	Small scale energy consumers	Citation, Plaque, Rs 50,000/-
4	Buildings	Citation, Plaque, Rs 50,000/-
5	Individuals	Citation, Plaque, Rs 50,000/-
6	Institutions & Organizations	Citation, Plaque, Rs 50,000

The performance would be judged through the pro forma (format enclosed) which would be evaluated by the Committee and if needed through a visit/interview by the Award Judging Committee.

The judges reserve the right to move an entry of a participant from the category applied by to another category, at their discretion, if the criterion of participants profile and/or Energy Efficiency & Energy Conservation measures is found so by the Judges.

The applicants in the category of Individual / Institutions & Organization while highlighting their “research and innovation” may submit the details of tests, testimonials, certifications authenticating their work/ from an approved/accredited institution/lab as applicable. In the absence of the same the Judges, if not otherwise able to infer and confirm the Energy Efficiency & Energy Conservation potential, reserve the right to reject such applications

The Committee would take a final decision depending upon the number of entries received and other considerations. If suitable applicants are not identified to qualify, the award in that category will not be given. Those enterprises/organizations/individuals, who have received Awards within the last three years, if adjudged to be eligible for recognition in this qualifying year too, based on their performance, will be eligible for a Commendation Certificate.

The qualifying period for the award is the previous financial year from 1st April 2016 to 31st March 2017. However, as conservation efforts require longer period for implementation in some cases, the work in this direction for the immediately past 3 financial years will also be reviewed. For the HT/EHT consumer compliance of G.O (Rt) no.2/2011/P.D. dated, Thiruvananthapuram 01-01-2011 is compulsory.

ELIGIBILITY/CATEGORISATION

The scheme is open to all enterprises in the State of Kerala, as per the categorization listed below.

Category 1: Large scale energy consumers

(Including large scale industries –All consumers in the State with a total (electricity + fuel) annual energy consumption more than 1000 TOE (Ton of Oil Equivalent))

Category 2: Medium scale energy consumers

(Including large & medium scale industries – All consumers in the State with a total (electricity + fuel) annual energy consumption between 150 to 1000 TOE)

Category 3: Small scale energy consumers

(Including small scale industries – All consumers in the State with a total (electricity + fuel) annual energy consumption up to 150 TOE)

Category 4: Buildings:

(Commercial Buildings and Public Buildings-new & retrofits- including hotels, hospitals etc who have implemented energy conservation/ efficiency programs)

Category 5: Individuals -:

(Including Individuals involved in promotional efforts and Research & Innovation in energy conservation, energy efficiency)

Category 6: Institutions & Organizations:

(Including Local Bodies, NGOs and organizations involved in promotional efforts and Research & Innovation in energy conservation, Manufacturers of BEE Star labeled equipments, energy efficient retrofits/controls suitably proven and certified by competent /accredited labs/institutions in the State. And Institutions who has designed and/or developed such buildings/campus including LEED/green Building, GRIHA rated or ECBC Compliant building or with proven/certified Energy Efficiency and conservation including Green/Eco friendly considerations)

CRITERIA FOR JUDGING THE MERIT

The Committee will decide the recipient of the awards on the basis of outstanding achievements and contribution in the field of energy conservation and management. The Award may not necessarily be decided on the basis of only quantitative achievements but also taking into account the various other factors such as innovative techniques and technologies adopted, commitment of the management, environment friendliness organizational set-up to promote energy conservation in the unit, etc.

The members of the Award Committee or their nominees may visit participating enterprises/organizations/individuals for verification of data supplied, if felt necessary, and it will be obligatory on the part of the participating units to provide necessary assistance and co-operation for such visits. The Committee may invite some of the short listed enterprises/organizations/individuals for presentation before finalizing the list of Award winning units. The short listed applicants will have to bear all the expenditure in this connection. Aspects that could be considered while judging the application includes the following

<p>Industries (Large, Medium, Small Energy consumers)</p> <ul style="list-style-type: none"> • Corporate Energy & environment policy • Green purchase policy • Energy Manager • Energy Conservation cell • Worker's representation in Energy Conservation cell • Energy Audit Frequency • Monitoring/Evaluation set up • Energy savings achieved • Capital invested for Energy Conservation • Training Programs/ number of personals trained in Energy Efficiency and Energy Conservation • Innovative Programs or Projects • Reduction in Specific Energy Consumption 2016-17 • Reduction in Specific Energy Consumption 2015-16 • Measures implemented exclusively for Energy Saving • Consistency in energy conservation efforts (last 3 years) • Efforts in Fossil Fuel Substitution • Quality Of Reporting • Final Presentation 	<p>Institutions & Organizations:</p> <ul style="list-style-type: none"> • Specify what is exactly innovation in promoting energy conservation • Participatory approach between society at large and NPO • Replicability • Geographical Coverage (District, State, country wide& International) • Consistency in efforts • Extend of Energy Saving Possible through your efforts • Benefit to society attributed to your Energy conservation effort • Recognition received for energy - environment conservation or management efforts • Efforts in Fossil Fuel Substitution attributed to your effort • Socioeconomic & environmental impact of your effort in promoting Energy conservation • Final Presentation
<p>Buildings</p> <ul style="list-style-type: none"> • Certified Green Building Or Rated • Building management & Energy policy • Energy Manager • Energy Conservation cell • Energy Audit Frequency • Provision for Monitoring/Evaluation of energy conservation efforts • Energy savings achieved & carbon foot print prevented • Capital invested for Energy conservation programme • Training Programmes for employees • Innovative Programmes or Projects on energy conservation • Reduction in Specific Energy Consumption 2016-17 • Reduction in Specific Energy Consumption 2015-16 • Measures implemented exclusively for Energy Saving • Consistency in energy conservation efforts (last 3 years) • Fuel substitution efforts. • Quality Of Reporting • Final Presentation 	

The Committee's decision would be final and no appeal for re-consideration shall lie.

INSTRUCTIONS FOR FILLING UP THE 'AWARD PRO FORMA'

The data required for the proforma pertains to the accounting years 2014-2015, 2015-2016 and 2016-17.

The enclosed proforma is only a format and thus information sought may be separately computer

printed or neatly typed. The proforma could also be downloaded from the website of Energy Management Centre; www.keralaenergy.gov.in.

Certificates to the effect that the enterprise/organization is presently following all the statutory requirements pertaining to the safety and pollution control wherever applicable should be attached along with the pro forma.

The organisations should be in operation for at least for more than three years.

Important: Annual reports for last three years are required to be attached along with the “Award Proforma” in the case of large scale energy consumers.

The answers to the questions should be precise and specific and should be supplied in total compliance with the pro forma format. Additional information so as to support the case may be included referring to the criteria of evaluation as specified above. The deviations may lead to improper evaluation or the rejection of the application. Each and every query mentioned in the proforma needs to be answered. Even, if answer is ‘NO’ or ‘NOT APPLICABLE’ the same may be stated, instead of ignoring it. The Chief Executive of the enterprise/organization (or the applicant in the case of individuals) should sign the duly filled-in proforma.

SUBMISSION OF NOMINATION

One neatly bound copy of the proforma (including relevant certificates and documents) along with company’s annual audited report for the years 2014-2015, 2015-2016 and 2016-2017 should reach the office of the:

Director
Energy Management Centre-Kerala
Sreekrishna Nagar, Sreekariyam P.O, Thiruvananthapuram 695017
(Tel: 0471-2594922, Fax: 0471 2594923) www.keralaenergy.gov.in
email: ecaward@keralaenergy.gov.in

Latest by 25th September 2017



Kerala State Energy Conservation Award for the year 2017
Pro forma to substantiate the achievements in energy conservation



Buildings

Please fill this pro forma and return to the address given below. Use additional sheets, if required

1	Name				
2	Address				
3	Tel. no. with code				Fax no.
4	E-mail				
5	Website				
6	Type of Building/Activity (Eg: Hotel, Hospital etc. and whether public/ private/ Local Self Government, whether occupied by the owner/ applicant or rented etc)				
7	Tariff Category/Slab (EHT/HT/LT/ [I, II....])				
	Contract Maximum Demand in kVA				
	Average Recorded (2016-17) MD in kVA				
8	Mention whether Certified Green Building or rated (attach proof)				
9	Whether applied for any CDM program or attempted for any feasibility. If yes submit the summary of expected Co ₂ reduction				
10	Building Area and Connected Load	2014-2015	2015-2016	2016-2017	
10.1	Total Built up Area (in m ²)				
10.2	Air-conditioned area (in m ²)				
10.3	Non-Air-conditioned area (in m ²)				
10.4	Occupancy rate (Unit in % or Numbers)				
10.5	Total Connected Load (in kW)				
10.6	Building operating hours				
11	Electrical Energy Consumption				
	Energy used	Units	2014-2015	2015-2016	2016-2017
(a)	Electricity Purchased	Lakh kWh			
(b)	Self generated	Lakh kWh			
(c)	Total Electricity Consumption (a+b)	Lakh kWh			
(d)	Specific Energy Consumption w.r.t total built up area, Total Electricity consumption/ Total built-up area (kWh/m ²) = [11(c) x 10 ⁵] / (10.1)] as given against above row)	kWh/m ²			
12	Last energy audit conducted on:				
	Last energy audit conducted by: (Give name and address)				
	Frequency of Energy Audit: (Please put a ✓ from the options given)		Once in year		
			Once in two year		
		Once in three year			
		Other, Specify			
13	Details of Energy Manager (If BEE Certified give Certification Number)		Name		
			BEE Certification Number		
			Designation		
			e-mail		
			Telephone		





14	Energy conservation activities undertaken during the last 3 years				
		Investment	Annual Savings		Total
Year	Project/Program/Activity Title	(Rs. lakhs)	Electricity (MU)	Fuel (Litres)	cost savings (Rs.lakhs)
2014-15					
2015-16					
2016-17					
15	If you have received any energy conservation awards in last 3 years, mention the year and details.				
16	Details on training programs/campaigns in energy Conservation organized/conducted in 2016-17				
17	Details of innovative technologies implemented for energy conservation including utilization of renewable energy projects.				

Details to be attached as follows

1. Unit Profile (100 words)
2. Energy Management Policy
3. Energy Consumption details as follows

		2014-15	2015-16	2016-17
Total annual Energy Cost in Rs. (lakhs)				
# Fuel used for Electricity Generated in Ton	Type of fuel			
*Total Thermal Energy Consumption in Ton (Except fuel used for power generation)				

4. Graphical Representation Of Specific Energy Consumption
5. Details of fuel used and annual consumption for last three years.
6. Energy conservation cell structure
7. Major Energy Conservation Projects Implemented During The Year 2016-17 (brief description with photo)
8. Other projects implemented during 2016-17
9. Energy Conservation Plans and Targets (Energy Saving Measure, Amount Investment Project, Saved in Rs. Lakhs).
10. Details regarding Environment and Safety.
11. Whether applied/submitted for any CDM Program, if YES give brief details

It is certify that the enterprise/organization is presently following all the statutory requirements pertaining to the safety and pollution control and the facts stated above are true and correct to the best of my knowledge and belief.

Date
Place

Signature of CEO/ Unit Head

Name & Designation:

(Office Seal)

Please return to: The Director, Energy Management Centre-Kerala, Dept. of Power, Govt. of Kerala, Sreekrishna Nagar, Sreekariyam, P.O., Thiruvananthapuram 695 017. Telephone: 0471-2594922.
E-mail: ecaward@keralaenergy.gov.in





Kerala State Energy Conservation Award for the year 2017
Pro forma to substantiate the achievements in energy conservation



Individuals, Institutions & Organizations

Please fill this pro forma and return to the address given below. Use additional sheets, if required

1	Name of the Organisations				
2	Address				
3	Tel. no. with code				
4	E-mail				
5	Website				
6	Nature of Activity				
7	Energy conservation activities undertaken during the last 3 years				
		Project	Annual Savings		Total
Year	Project/Program/Activity Title	cost (Rs. lakhs)	Electricity (MU)	Fuel (Litres)	cost savings (Rs.lakhs)
2014-15					
2015-16					
2016-17					
8	If you have received any energy conservation awards in last 3 years, mention the year and details.	-			
9	Details of Contact person	Name			
		e-mail			
		Telephone			
10	Details on training programs/campaigns/projects in energy Conservation organized/ conducted in 2016-17.				
11	Details of innovative technologies implemented for energy conservation including utilization of renewable energy projects.				
<p>Details to be attached as follows</p> <ol style="list-style-type: none"> Unit Profile (100 words). Copy of registration certificate. Major Energy Conservation Projects/ campaigns conducted during the Year 2016-17 (brief description with photograph of the programs/activities duly signed by competent authority of the institution). News paper cuttings, other relevant documents of credibility if any. Annual reports for last three years 					

Authorized Signatory

Name & Designation:

(Office Seal)

Please return to: The Director, Energy Management Centre-Kerala, Dept. of Power,
Govt. of Kerala, Sreekrishna Nagar, Sreekariyam, P.O., Thiruvananthapuram 695 017.
Telephone: 0471-2594922.e-mail: ecaward@keralaenergy.gov.in





Kerala State Energy Conservation Award for the year 2017
Pro forma to substantiate the achievements in energy conservation



**Large scale energy consumers/ Medium scale energy consumers/
Small scale energy consumers**

Please fill this pro forma and return to the address given below. Use additional sheets, if required

1	Name of the unit						
2	Address						
3	Tel. no. with code		Fax no.				
4	E-mail						
5	Website						
6	Nature of business		7.Capital invested				
8	Product / Product mix (Give product name and specifications)						
9	Tariff Category/Slab (EHT/HT/LT/ [I, II....])						
	Contract Maximum Demand in kVA						
	Average Recorded (2016-17) MD in kVA						
	Annual Electrical Energy Consumption in Million kWh (MU) (including self generation)						
10	Last energy audit conducted on:						
	Last energy audit conducted by: (Give name and address)						
	Frequency of Energy Audit: (Please put a ✓ from the options given)		Once in a year				
			Once in two years				
		Once in three years					
		Other, Specify					
11	Energy conservation activities undertaken during the last 3 years						
	Year	Project/Program/Activity Title	Category (Put code no. from below)	Project cost (Rs.lakhs)	Annual Savings Electricity (MU)	Fuel (Litres)	Total cost savings (Rs.lakhs)
	2014-2015						
	2015-2016						
	2016-2017						
	Category	Code no.	Category	Code no.	Category	Code no.	
	House keeping	A	Interfuel substitution	C	Cogeneration	E	
	Efficient operation	B	Technology up gradation	D	Others	F	
12	If you have received any energy conservation awards in last 3 years, mention the year and details.						
13	Name of Energy Manager (If BEE Certified give Certification Number)			Name			
				BEE Certification Number			
				Designation/ Reporting to			
				e-mail			
				Telephone			





14	Furnish the details of Energy Policy and Energy Conservation Committee/Cell/Circles functioning in your organization. (use additional sheets if required)	
15	Details on training programs/campaigns in energy Conservation organized/conducted in 2016-17.	
16	Details of innovative technologies implemented in energy efficiency and conservation:	
17	Details of renewable energy projects:	

Details to be attached as follows

1. Unit Profile (100 words)
2. Energy Management Policy
3. Energy Consumption details as follows

		UNIT*	2014-2015	2015-2016	2016-2017
Annual Production	Product 1	MT			
	Product 2	MT			
	Product 3	MT			
Total annual Manufacturing Cost in Rs. (lakhs)		Rs. Lakhs			
Total annual Energy Cost in Rs. (lakhs)		Rs. Lakhs			
Energy Cost as % of Production cost		%			
Total Electrical Energy purchased		kWh (lakhs)			
Total Electrical Energy Generated		kWh (lakhs)			
# Fuel used for Power generation (specify type of fuel)		Ton			
Total Thermal Energy Consumption (Except fuel used for power generation)	Furnace Oil	Ton			
	Coal	Ton			
	HSD	Ton			
	Natural Gas	Ton			
	Others	Ton			
Specific Electrical energy consumption (if possible normalize to one product)		Specify Units			
Specific Thermal Energy consumption(if possible normalize to one product)		Specify Units			

*(Specify the unit if the unit is other than given in the table)

4. Specification of Captive power plants (Rating in kVA and specification of DG set/ TG set)
5. If Cogeneration, specification of Cogeneration plant (with schematic diagram)
6. Graphical Representation Of Specific Energy Consumption
7. Energy conservation cell structure
8. Major Energy Conservation Projects Implemented During The Year 2016-17 (brief description with photo)
9. Other projects implemented during 2016-17.
10. Energy Conservation Plans and Targets (Energy Saving Measure, Amount Investment Project, Saved in Rs. Lakhs).
11. Details regarding Environment and Safety.
12. Annual Report. (**Only for Large Scale Consumers**, preferably for three years; *optional for Medium, Small Consumers*).
13. Whether applied/submitted for any CDM Program, if YES give brief details

Specify Type and Gross Calorific value of the fuel used

It is certify that the enterprise/organization is presently following all the statutory requirements pertaining to the safety and pollution control and the facts stated above are true and correct to the best of my knowledge and belief.

Date

Place

(Office Seal)

Signature of CEO/ Unit Head
Name & Designation:

Please return to: The Director, Energy Management Centre-Kerala, Dept. of Power, Govt. of Kerala, Sreekrishna Nagar, Sreekariyam, P.O., Thiruvananthapuram 695 017.
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