



KERALA STATE ENERGY CONSERVATION AWARD – 2022 Guidelines



OBJECTIVE

To give recognition to the selected enterprises, organizations, and institutions who have made systematic and serious attempts for efficient utilization of energy, conservation of energy, research, and promotion of energy efficiency during the year 2021-22 in the State of Kerala.

THE AWARDS

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

SI No	Category	Prize
1	Large Scale energy consumers	Citation, Plaque, Rs. 1,00,000/-
2	Medium Scale energy consumers	Citation, Plaque, Rs. 1,00,000/-
3	Small scale energy consumers	Citation, Plaque, Rs. 1,00,000/-
4	Buildings	Citation, Plaque, Rs. 1,00,000/-
5	Institutions & Organizations	Citation, Plaque, Rs. 1,00,000/-
6	Promoters of energy efficient products.	Citation, Plaque Rs 50,000/-
7	Architectural firms and Green Building Consultancy	Citation, Plaque, Rs 50,000/-

In addition to the prize money the added benefits for shortlisted applicants includes:

SI No	Benefits	Prize
1	Financial assistance for ISO 50001 Certification.	Public Sector Undertakings/ Govt. Buildings/ Govt. Organizations: The financial assistance is 50% of the total expenditure for ISO 50001 certification (Excluding taxes) limited to a maximum of Rs.1, 00,000/- (Rupees One lakhs). Private Industries/Buildings/Organization: The financial assistance is 50% of the total expenditure for ISO 50001 certification (Excluding taxes) limited to a maximum of Rs.50,000/- (Rupees Fifty Thousand)
2	Financial assistance for Energy Audit. <i>Mandatory Audit (As per G.O (Rt) No. 2/2011 dated 01/01/2011).</i>	Public Sector Undertakings/ Govt. Buildings/ Govt. Organizations: Financial assistance 50% of the total Energy audit fee (Excluding taxes) limited to a maximum of Rs.75,000/- (Rupees Seventy-five Thousand) for industries as per Mandatory Audit G.O (Rt) No. 2/2011 dated 01/01/2011.

		<p>If the industry/building/organization is having an LT connection the total energy audit fee (excluding taxes) shall be given as financial assistance subject to a maximum of Rs. 10,000/-(Rupees Ten Thousand only)</p> <p>Private Industries/Buildings/Organization: Financial assistance 50% of the total Energy audit fee (Excluding taxes) limited to a maximum of Rs.50,000/- (Rupees Fifty Thousand). If the industry/building/organization is having an LT connection the total energy audit fee (excluding taxes) shall be given as financial assistance subject to a maximum of Rs. 10,000/-(Rupees Ten Thousand only)</p> <p>This scheme is not applicable to “Designated Consumers” (DC)</p>
3	Financial assistance for CEA/CEM examination.	<p>Engineer in the industries shortlisted for EC Award who has got certification as a Certified Energy Auditor or Energy Manager of BEE during the financial year 2022-22 onwards the examination fee shall be reimbursed by EMC. The maximum financial assistance is limited to Rs.10,000/- (Rupees Ten thousand).</p>

**The above assistance will be provided under EMC's scheme - Support for implementing Energy Management System - whose detailed guidelines as published in EMC website www.keralaenergy.gov.in.*

The applicants in each category shall fill up the details in the prescribed proforma (format enclosed) and submit the proforma on or before the last date of application as mentioned in these guidelines. Based on the details submitted by the applicants in the prescribed proforma (format enclosed), the applicants will be shortlisted. The performance of the shortlisted applicants would be evaluated by the Committee and if needed through a video documentation/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 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 applicants, who have received Awards within the last two years in particular category, if adjudged to be eligible for award in this qualifying year too, based on their performance, in addition to the award they will be recognized as Alpha awardee. Certificate of appreciation would be given to shortlisted applicants except for those who won award and commendation.

The qualifying period for the award is the previous financial year from 1st April 2021 to 31st March 2022. 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 desirable.

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 except buildings –All consumers in the State with a total (electricity + fuel) annual energy consumption more than 1000 TOE* (Ton of Oil Equivalent)) or 11.6 Million Units and Designated consumer notified by central Government as per EC Act 2001.

Category 2: Medium scale energy consumers

(Including medium scale industries except buildings – All consumers in the State with a total (electricity + fuel) annual energy consumption between 150 to 1000 TOE * or 1.7 Million Unit to 11.6 Million Unit.

Category 3: Small scale energy consumers

(Including small scale industries except buildings – All consumers in the State with a total (electricity + fuel) annual energy consumption up to 150 TOE* or Up to 1.7 Million Unit.

Category 4: Buildings

(All Commercial Buildings including hotels, hospitals, Shopping Malls, Office Buildings, Theatres, Educational Institutions etc who have implemented energy conservation / efficiency/e-mobility programs in their facilities and Institutions/Buildings 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).

Category 5: Institutions & Organizations

(Including Local Bodies, NGOs ,and organizations involved in the implementation and promotion of energy conservation, energy efficiency and clean energy projects / programs e – mobility.

Category 6: Promoters of energy efficient products

(Including Manufacturers of energy efficient retrofits/controls suitably proven and certified by competent /accredited labs/institutions in the State and Retailers and traders who are selling/distributing BEE star labelled products notified by Ministry of Power, Govt of India as listed below).

- under mandatory scheme viz Room Air Conditioners, Frost Free Refrigerators, Tubular Florescent Lamp, Distribution Transformer, Room Air Conditioner (Cassettes, Floor Standing), Direct Cool Refrigerator, Color TV, Electric Geysers, Variable Capacity Inverter Air conditioners and LED Lamps.
- under voluntary scheme Induction Motors, Pump Sets, Ceiling Fans,LPG -Stoves, Washing Machine, Computer (Notebooks/Laptops), Ballast (Electronic/ Magnetic),Office equipment's (Printer, Copier, Scanner, MFD's),Diesel Engine Driven Mono-set Pumps, Solid State Inverter,DG Sets,Chillers,Microwave Oven, Solar Water Heater, Light Commercial Air Conditioner, Deep freezers.

Category 7: Architectural firms and Green building Consultancy

(Including Architectural firms and Green building consultants who has designed and/or developed such buildings/campus including LEED/IGBC / GRIHA /other or ECBC Compliant building or with proven/certified Energy Efficiency and conservation including Green/Eco friendly considerations)

****Toe – Calculation***

$* \text{Energy consumed in (toe)} = \frac{\text{Fuel consumed quantity (kg or kL)} \times \text{gross calorific value (kcal/kg or kcal/kg)}}{10^7}$
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CRITERIA FOR JUDGING THE MERIT

The Committee will decide on the recipient of the awards on the basis of outstanding achievements and contributions 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/Institutions 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/ Institutions 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

<i>Industries (Category 1,2 and 3)</i> <i>(Designated consumers, Large, Medium, Small scale industries)</i>	<i>Buildings (Category 4)</i> <i>(including Designated consumers in Building category)</i>
<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 2021-22 • Reduction in Specific Energy Consumption 2020-21 • Reduction in T&D Losss • E-mobility schemes /programs 	<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 2021-22 • Reduction in Specific Energy Consumption 2020-21 • Measures implemented exclusively for Energy Saving • E-mobility schemes /programs.

<ul style="list-style-type: none"> • Measures implemented exclusively for Energy Saving • Consistency in energy conservation efforts (last 3 years) • Efforts in Fossil Fuel Substitution • Quality Of Reporting • Final Presentation 	<ul style="list-style-type: none"> • Consistency in energy conservation efforts (last 3 years) • Fuel substitution efforts • Quality Of Reporting • Final Presentation
<p>Institutions & Organizations (Category 5)</p> <ul style="list-style-type: none"> • Specify what is exactly innovation in promoting energy conservation • Carbon neutral initiatives • 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 • E-mobility schemes /programs • Socio economic & environmental impact of your effort in promoting Energy conservation • Final Presentation 	<p>Promoters of energy efficient products (Category 6)</p> <ul style="list-style-type: none"> • Manufacturing of energy efficient products and controls. • Efforts in Promotion of star labelled products • No of various star labelled products sold/ • Demarcated area in showroom to display star labelled products • Energy efficiency /conservation measures/energy audit conducted/implemented in own building • Training programs for employees on star labelled product • Attending Retailers /traders program for star labelling conducted by Bureau of energy Efficiency or energy management Centre • Incentives /discounts/offers for star labelled products, if any • Empanelled with Energy management Centre for distribution of star labelled products • Final Presentation • Maintaining database of Energy Efficient Products sold
<p>Architects and Green building consultants (Category 7)</p> <ul style="list-style-type: none"> • Design of energy-efficient building projects • No of buildings with Green building certification (IGBC, LEED, GRIHA or others) • Empanelment /certification • Attending Certificate/training program /webinars on ECBC conducted by EMC • Design of ECBC-compliant building • Innovative design interventions or Energy Efficient technologies • Consistency in energy conservation efforts (last 3 years) • Quality Of Reporting • Final Presentation 	

The Committee's decision would be final and no appeal for re-consideration is encouraged

INSTRUCTIONS FOR FILLING UP THE ‘AWARD PRO FORMA’

The data required for the proforma pertains to the accounting years 2018-19, 2019-20 and 2021-22.

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. (Duly filled in Application form, with supporting documents may be submitted in Soft copy/email to ecawardsemc@gmail.com, no hard copy required if soft copy is submitted).

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

Important: Annual reports for the 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 the answer is ‘NO’ or ‘NOT APPLICABLE’ the same may be stated, instead of ignoring it. The Chief Executive of the enterprise/organization /institution should sign the duly filled-in proforma.

The shortlisted applicants shall present their credentials and initiatives in the field of energy efficiency in the following format

- **Category 1,2 ,3 and 4 (Large, Medium,, Small scale industries and Buildings)**

SI No:	Content	No of slides
1	Company profile	1
2	Major energy conservation activities, Savings and investments during 2021-22	5
3	Next year program and projects in Energy conservation	1
4	Renewable Energy program	1
5	Training program in Energy conservation for workers, supervisors Engineers and others	1
6	Innovative ideas and suggestions	1

- **Category 5 (Institutions & Organizations)**

SI No:	Content	No of slides
1	Profile of institution/organization	1
2	Major energy conservation activities, Savings and investments during 2021-22	5
3	Next year program and projects in Energy conservation	1
4	Carbon neutral initiatives	1
5	Energy conservation campaigns	1
6	Innovative ideas and suggestions	1

- **Category 6 (Promoters of energy efficient products)**

SI No:	Content	No of slides
1	Profile of applicant	1
2	Major promotional activities , energy efficient products promoted /sold during 2021-22	5
3	Innovative ideas and suggestions	1

- **Category 7 (Architectural firms and Green Building Consultancy)**

Sl No:	Content	No of slides
1	Profile of applicant	1
2	Details of energy-efficient building projects during 2021-22	5
3	Innovative design interventions or Energy Efficient technologies	1

SUBMISSION OF NOMINATION

Shall Download the application form EMC website and forward the duly filled application form to ecawardsemc@gmail.com.

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