



KERALA STATE ENERGY CONSERVATION AWARD - 2021



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 2020-21 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, 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	Individuals	Citation, Plaque, Rs 50,000/-
6	Institutions & Organizations	Citation, Plaque, Rs. 1,00,000/-
7	Retailers /Traders	Citation, Plaque Rs 50,000/-
8.	Architectural firms and Green Building Consultancy	Citation, Plaque, Rs 50,000/-

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

Sl 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 2021-22 onwards the examination fee shall be reimbursed by EMC. The maximum financial assistance is limited to Rs.10,000/- (Rupees Ten thousand).This is applicable to individual category also.</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 performance would be judged through the proforma (format enclosed) which 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 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 2020 to 31st March 2021. 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)) 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– 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 – 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: Individuals

(Including Individuals involved in promotional efforts and Research & Innovation in energy conservation, energy efficiency, e-mobility), BEE Certified energy Managers and Auditors

Category 6: Institutions & Organizations

(Including Local Bodies, Energy Auditing firms who are empanelled by Energy Management Centre and conducted audits in Kerala , NGOs and organizations involved in promotional efforts and Research & Innovation in energy conservation, e – mobility Manufacturers of BEE Star labeled equipment's, energy efficient retrofits/controls suitably proven and certified by competent /accredited labs/institutions in the State.

Category 7: Retailers /Traders

(Including 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 8: 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 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><i>Industries (Designated consumers, Large, Medium, Small Energy consumers)</i></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 	<p><i>Institutions & Organizations:</i></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
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<ul style="list-style-type: none"> • Reduction in Specific Energy Consumption 2020-21 • Reduction in Specific Energy Consumption 2019-20 • Reduction in T&D Losses • E-mobility schemes /programs • 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"> • Efforts in Fossil Fuel Substitution attributed to your effort • E-mobility schemes /programs • Socioeconomic & environmental impact of your effort in promoting Energy conservation • Final Presentation
<p><i>Buildings (including Designated consumers in Building category)</i></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 2020-21 • Reduction in Specific Energy Consumption 2019-20 • Measures implemented exclusively for Energy Saving • E-mobility schemes /programs. • Consistency in energy conservation efforts (last 3 years) • Fuel substitution efforts • Quality Of Reporting • Final Presentation 	<p><i>Retailers /Traders.</i></p> <ul style="list-style-type: none"> • 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><i>Architects and Green building consultants:</i></p> <ul style="list-style-type: none"> • Design of energy efficient building projects • No of Building with Green building 	

<p>certification (IGBC, LEED, GRIHA or others)</p> <ul style="list-style-type: none"> • 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 	
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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 2020-21.

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 organizations 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

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

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Last Date : 10th October 2021