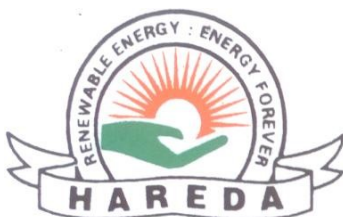


Guidelines for

Scheme on

STATE LEVEL

ENERGY CONSERVATION AWARDS



DEPARTMENT OF NEW AND RENEWABLE ENERGY, HARYANA
HARYANA RENEWABLE ENERGY DEVELOPMENT AGENCY (HAREDA)

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June 2024

STATE LEVEL ENERGY CONSERVATION AWARDS

1. BACKGROUND

The Govt. of India has enacted Energy Conservation Act- 2001 with the objective to provide a regulatory framework for formulation and implementation of Energy Conservation strategy in the Country for efficient use of energy. This act has come into force with effect from 2002.

The Govt. Of Haryana has designated the Department of New and Renewable Energy / Haryana Renewable Energy Development Agency (HAREDA) as the State Designated Agency (SDA) to coordinate, regulate and enforce the provision of the Energy Conservation Act, 2001 in the State of Haryana. The Haryana Govt. has identified energy conservation as one of the thrust areas and many initiatives have been taken in this regard. One of the initiative is to give awards to those consumers of industrial, commercial, govt. buildings, educational institutions, hospitals, municipal committees / corporations and individuals who have excelled in adopting the various energy conservation measures in their buildings / units to save electricity / other fuels.

2. OBJECTIVE OF THE SCHEME:

- i. To create awareness among the Industrial, Commercial, Govt. Buildings and Educational Institutes sectors about the energy conservation.
- ii. To recognize the efforts of the Industrial, Commercial, Govt. Buildings and Educational Institutes sector consumers in conserving energy by way of giving them awards/certificates of merit.

3. CATEGORIES OF STATE LEVEL AWARDS:

To encourage and motivate, it is proposed to give State Level Award for Excellence in Energy Conservation and management every year for the following Categories of consumers:

Cat. No.	Category of Award	Award money
1	Industries and MSMEs	
1.A.	Industries	
	i. Connected Load 1 MW and above ii. Connected Load below 1 MW	i. Certificate and Shield only to First and Second winner. ii. Certificate and Shield only to First and Second winner
1.B.	MSMEs	
	Registered MSME (Micro, Small and Medium Enterprise) Industries of Haryana and IT Industries of Haryana under IT & ESDM Policy, 2017 having: i. Connected load of 1 MW or above ii. Connected load of 100 kW or above and below 1 MW	i. First prize Rs 2.0 lac and certificate & Shield ii. Second Prize Rs 1.0 lac and certificate & Shield i. First prize Rs 1.0 lac and certificate & Shield ii. Second Prize Rs 0.50 lac and certificate & Shield
2	Commercial Buildings	
	Any type Commercial Buildings (Shopping Malls/ Plazas / Hotel/ Hospitals /Corporate/ Resorts/ ITs	

	etc) including GRIHA/ LEED/GEM/ or IGBC/ ECBC compliant buildings: i. Connected Load 1 MW and above ii. Connected Load of 100 kW or above and below 1 MW	i. First prize Rs 2.0 lac and certificate & Shield ii. Second Prize Rs 1.0 lac and certificate & Shield i. First prize Rs 1.0 lac and certificate & Shield ii. Second Prize Rs 0.50 lac and certificate & Shield
3	Govt. Buildings	
	a. Govt./ CPSUs/ PSUs Buildings/ Offices including LEED/Green Building, GRIHA rated or ECBC Compliant building (having connected load above 500 kW) b. Govt./CPSUs/ PSUs Buildings/ Offices having connected load below 500 kW and above 30 kW	i. First Prize Rs 2.0 lac and certificate & Shield ii. 2nd Prize Rs 1.0 lac and certificate & Shield i. First Prize Rs1.0 lac and certificate & Shield ii. 2nd Prize Rs 0.50 lac and certificate & Shield
4.	Institutions organization and societies	
A.	Institutions & Organizations a. Govt. & Pvt. Schools/ Colleges /Institutions/ Universities (Having connected load of 500 kW or above) b. Govt. & Pvt. Schools / Colleges /Institutions/ Universities (Having connected load below 500 kW and above 30 kW)	i. First Prize Rs 2.0 lac and certificate & Shield ii. Second Prize Rs 1.0 lac and certificate & Shield i. First Prize Rs. 1.0 lac and certificate & Shield ii. 2nd Prize Rs. 0.50 lac and certificate & Shield
B.	Group Housing Societies/ Residential Buildings having connected load more than 100 kW	i. First Prize Rs 1.0 lac and certificate & Shield ii. Second Prize Rs 0.50 lac and certificate & Shield
5	Innovation/ New Technologies / R&D Projects including innovative promotional Projects, Research & Innovation in energy conservation, energy efficiency, Waste to Energy and Renewable Energy Area, efficient natural resource management	i. First Prize Rs 2.0 lac and certificate & Shield ii. 2nd Prize Rs 1.0 lac and certificate & Shield
6	Best Energy Auditing/ Green Buildings/ ECBC Implementing Firms/ Agencies	Certificate and Shield only to First and Second winner.
7	Energy Efficient substation of Power Utilities: i. 66kV or below ii. Above 66 kV	i. First Prize Rs. 0.5 lac and certificate & Shield ii. 2nd Prize Rs. 0.25 lac and certificate & Shield i. First Prize Rs 1.0 lac and certificate & Shield ii. Second Prize Rs 0.50 lac and certificate & Shield
	Total Award Money	24.75 Lakh

4. **ELIGIBILITY CRITERIA:**

The State Govt. has made some energy conservation initiatives by making energy efficient lighting, Solar Rooftop Power Plant, Energy Audit, ECBC etc. mandatory for various categories through Govt. notifications as per detail given below:

- (i) Vide notification no. 22/52/2005-5Power dated 21.03.2016, Installation of Solar Rooftop Power Plants has been made mandatory for various categories of buildings.
- (ii) Vide notification no. 19/06/2016-5P dated 31.03.2016, implementation of Energy Conservation Building Code (ECBC) has been made mandatory for various categories of Buildings having connected load of 100 kW and above or contract demand of 120 kVA and above.
- (iii) Vide notification no. 22/52/05-5 Power dated 25.6.2008 and notification no. 22/52/05-5 Power dated 29.06.2016, the use of light emitting diode (LED) lamp/ Tube lights or energy efficient lighting (More efficient than LED) shall be made mandatory for all Central or State Government Offices and Public Sector Undertaking Institutions or establishments located in the State of Haryana; and Electricity Consumers in Industrial, Commercial and Institutional sectors having connected load of 30 kilowatt or above.
- (i) Vide notification no. 19/21/2016-5P dated 09.11.2016, Energy Audit and its implementation has been made mandatory for various categories of Buildings

The applicant categories falling in the above categories which have complied with above notification of the State Govt. shall be eligible for applying for State Level Energy Conservation Awards.

5. **METHODOLOGY FOR INVITING NOMINATIONS**

- Nominations for these awards shall be invited by the HAREDA/DNRE in the prescribed forms / online after giving due publicity through News Papers as well as uploading the advertisement on the website of HAREDA.
- Also, wide publicity shall be given by the respective Additional Deputy Commissioner through local news papers and local consumers/industrial associations. The applicant shall require to submit the application in the prescribed format along with relevant enclosures with the respective O/o the Additional Deputy Commissioner as per time schedule mentioned in the advertisement notice (In case online website is operational in due course of time, application shall be uploaded on online and prescribed online Proforma shall be signed by Energy Manager / Energy Auditor / Accredited Energy Auditor.
- Applications shall be evaluated by the sub-committee of DNRE/HAREDA and after verifying the data, these shall be recommended for nomination for State Level awards.
- State Govt. has also constituted a committee under the Chairmanship of Administrative Secretary to Govt. Haryana, Energy consisting of following members to consider the recommendations of District Level Committees in this regard and finalize the best entries for giving away the State Level awards:
 - i. Administrative Secretary, Energy Department Chairman
 - ii. Director General, NRE / HAREDA Member
 - iii. A representative of BEE, Ministry of Power, GOI Member
 - iv. A representative from Industries & Commerce Department Haryana Member
 - v. A representative from Petroleum Conservation Research Association/ CII/NPC/ ASSOCHAM/PHDCCI Member
 - vi. Additional Director / Project Director, New & Renewable Energy Department Haryana Member
 - vii. Project Director, New & Renewable Energy Department, Haryana / Chief Scientific Engineer , Member Secretary HAREDA

6. EVALUATION CRITERIA:

The evaluation criteria & guidelines for each category shall be different as per energy conservation measures required in above categories as per detail given below:

Industries

Sr. No	Parameters	Marks Allotted																			
1.	Energy Conservation Policy (3 Marks) and Management Cell (2 Marks)	05																			
2.	Detailed Energy Audit conducted once in last three years by: a. BEE Accredited Energy Auditor firms/ EmAEA (copy of the detailed energy audit needs to be enclosed with the application). (Maximum Marks 15) or b. BEE Certified Energy Auditor Firms (Third Party (Maximum Marks 10) c. BEE Certified Internal Energy Auditor (Maximum Marks 5)	15																			
3.	Energy Savings due to Implementation of Energy conservation measures - Energy Saving due to difference in Previous year consumption: 1 mark for 1 % saving and Max. <u>10 Marks</u> (Example for 2020: (Electricity Consumption of 2019-Electricity consumption of 2020)/ Electricity Consumption of 2019): Document required electricity bills of 2019 and 2020. For inclusion of other fuel consumption like DG diesel etc valid doc proof is required. - Energy Saving due to implementation of EC measure / reduced Specific Energy Consumption (SEC) (1 mark for 1 % saving and max 10 marks). Documents Required: Vetting by Energy Auditor in case of SEC reduction and / or proof of Equipment's installed in case of implementation of EC measures.	20																			
4.	Investment made by the firm for implementation of recommendations mentioned in the detailed energy audit report. <table><tr><td rowspan="5">Investment for Implementation of Energy Audit report recommendations</td><td colspan="3">Marks (Maximum Marks 40)</td></tr><tr><td>AEA / EmAEA</td><td>BEE Certified Energy Auditor Firms (Third Party)</td><td>BEE Certified Internal Energy Auditor</td></tr><tr><td>50% or more investment made in that year: -</td><td>20</td><td>15</td><td>10</td></tr><tr><td>35% to <50% investment made in that year:-</td><td>15</td><td>10</td><td>5</td></tr><tr><td>25% to <35% investment made in that year:-</td><td>10</td><td>5</td><td>3</td></tr></table>	Investment for Implementation of Energy Audit report recommendations	Marks (Maximum Marks 40)			AEA / EmAEA	BEE Certified Energy Auditor Firms (Third Party)	BEE Certified Internal Energy Auditor	50% or more investment made in that year: -	20	15	10	35% to <50% investment made in that year:-	15	10	5	25% to <35% investment made in that year:-	10	5	3	20
Investment for Implementation of Energy Audit report recommendations	Marks (Maximum Marks 40)																				
	AEA / EmAEA		BEE Certified Energy Auditor Firms (Third Party)	BEE Certified Internal Energy Auditor																	
	50% or more investment made in that year: -		20	15	10																
	35% to <50% investment made in that year:-		15	10	5																
	25% to <35% investment made in that year:-	10	5	3																	
5	Investment made on RE and EC Technologies installed in Units other than Energy Audit report recommendations: - With investment of Rs 10.0 Cr or above = 10 marks - With investment of Rs 1.0 Cr below 10.0 Cr = 5 marks - With investment of Rs 10.0 lakh below 1.0 Cr = 3 marks	10																			
6	CSR Initiative in the area of RE and EC and Investment Made: - With investment of Rs 10.00 lacs or above = 5 marks - With investment of Rs 05.00 lacs below 10.0 lacs = 3 marks - With investment of Rs 01.00 lacs below 05.0 lacs = 2 marks	5																			
7	ISO 50001 certified units	5																			
8	ISO 16000-40/ ISO 14001 or any other certification related to Energy / Environment/ Water Conservation/ Natural resources etc	5																			
9	Whether any awareness campaign / training regarding EC measures organized by the industry in collaboration with District Office of HAREDA/ BEE/ PCRA/NPC/Industries Association	5																			
10	Live tree exists in unit premises (1 Mark for 5 trees)	5																			

11	ETP (3) and Rain Water Harvesting system (2) installed in the unit	5
	Total	100

Buildings Categories (Categories 2, 3 and 4)

Sr. No	Parameters	Marks Allotted																			
1.	Energy Conservation Policy (3 Marks) and Management Cell (2 Marks)	05																			
2.	Detailed Energy Audit conducted once in last three years by: a. BEE Accredited Energy Auditor firms / EmAEA (copy of the detailed energy audit needs to be enclosed with the application). (Maximum Marks 15) or b. BEE Certified Energy Auditor Firms (Third Party) (Maximum Marks 10) c. BEE Certified Internal Energy Auditor (Maximum Marks 5)	15																			
3.	Energy Savings due to Implementation of Energy conservation measures A. Energy Saving due to difference in Previous year consumption :(one mark for 1 % saving): Max. <u>10 Marks</u> . (Example for 2020: (Electricity Consumption of 2019-Electricity consumption of 2020)/ Electricity Consumption of 2019): Document required electricity bills of 2019 and 2020. For inclusion of other fuel consumption valid doc proof required. B. Energy Saving due to implementation of EC measures / (1 mark for 2 % saving and max 5 marks). Documents Required: Vetting by Energy Auditor or proof of Equipment's installed in case of implementation of EC measures. C. EPI based: 10 Marks o EPI (below 80 kWH/Sq ft per year) or GRIHA 4 Star or above or LEED / IGBC Platinum or Super ECBC compliant or eq. = 10 marks o EPI (below 140 upto 80 kWH/Sq ft per year) or GRIHA 2-3 Star or LEED/ IGBC Gold/Silver or ECBC+ compliant or eq. = 06 marks o EPI (below 200 upto 140 kWH/Sq ft per year) or GRIHA 1 Star or LEED/ IGBC Certified or ECBC compliant or equivalent = 03 marks •	25																			
4.	Investment made by the firm for implementation of recommendations mentioned in the detailed energy audit report. <table><tr><td rowspan="5">Investment for Implementation of Energy Audit report recommendations</td><td colspan="3">Marks (Maximum Marks 25)</td></tr><tr><td>AEA / EmAEA</td><td>BEE Certified Energy Auditor Firms (Third Party)</td><td>BEE Certified Internal Energy Auditor</td></tr><tr><td>50% or more investment made in that year: -</td><td>20</td><td>15</td><td>10</td></tr><tr><td>35% to <50% investment made in that year:-</td><td>15</td><td>10</td><td>5</td></tr><tr><td>25% to <35% investment made in that year:-</td><td>10</td><td>5</td><td>3</td></tr></table>	Investment for Implementation of Energy Audit report recommendations	Marks (Maximum Marks 25)			AEA / EmAEA	BEE Certified Energy Auditor Firms (Third Party)	BEE Certified Internal Energy Auditor	50% or more investment made in that year: -	20	15	10	35% to <50% investment made in that year:-	15	10	5	25% to <35% investment made in that year:-	10	5	3	20
Investment for Implementation of Energy Audit report recommendations	Marks (Maximum Marks 25)																				
	AEA / EmAEA		BEE Certified Energy Auditor Firms (Third Party)	BEE Certified Internal Energy Auditor																	
	50% or more investment made in that year: -		20	15	10																
	35% to <50% investment made in that year:-		15	10	5																
	25% to <35% investment made in that year:-	10	5	3																	
5.	Energy Saved by Investment made on Renewable Energy Technologies / Innovation / energy efficient building design features/ natural resource management. •With investment of Rs 100.00 lacs or above = 10 marks • With investment of Rs 10.00 lacs below 100.0 lacs= 5 marks • With investment of Rs 01.00 lacs below 10.0 lacs = 3 marks	10																			
6	CSR Initiative in the area of RE and EC and Investment Made: •With investment of Rs 10.00 lacs or above = 5 marks •With investment of Rs 05.00 lacs below 10.0 lacs = 3 marks •With investment of Rs 01.00 lacs below 05.0 lacs = 2 marks	5																			
6.	Whether any awareness campaign / training regarding EC measures organized by	5																			

	the industry in collaboration with District Office of HAREDA/ BEE/ PCRA/NPC/Industries Association	
7	Any Award to the Building from any govt. body/ reputed association/ NGO or Any ISO Certification or provision of water harvesting system or Building Management System implemented	5
10	Live tree exists in unit premises (1 Mark for 5 trees)	5
11	ETP (3) and Rain Water Harvesting system (2) installed in the unit	5
	Total	100

Evaluation Criteria for Category 5 and 6:

The Committee will decide the recipient of the awards on the basis of outstanding achievements and contribution in the field of energy conservation, energy efficiency, Waste to Energy and Renewable Energy Area energy conservation/ Waste to Energy / efficient natural resource management adopted by companies in the State. 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. A detailed presentation/ case study needs to be submitted for this purpose while applying for the award. The award to category 5 and 6 will be presented to the applicants only if they have registered/ operational office / unit in Haryana. Since there is no award money, applicant(s) with highest score / best performance will be selected for the award every year for category 6, in order to encourage the energy conservation activities in the State.

Detailed Evaluation Criteria for category 6 is as under:

Sr. No.	Parameters	Marks (Max. 100)
1	Year of Experience in Energy Auditing/ Green Buildings (1 Marks for each Year of experience). or Year of Experience in ECBC Compliance buildings (2 Marks for each Year of experience).	10
2	No. of full time Energy Auditors / Certified Green Building Professional working in the company (3 Marks per professional) Or/and Accredited Energy Auditors (AEA) 5 marks / AEA Or No. of part time/ associated energy auditor / certified green building profession working in the company (1 Marks per professional) Or/and Accredited Energy Auditors (AEA) 2 marks / part time / associated AEA	11
3	No. of Energy Audit Conducted during the Year or simulation/ evaluation of green building completed (within the State of Haryana): 2 marks each	14
4	No. of detail audit carried out in Designated Consumers during the year Or no. of ECBC Compliance buildings completed (constructed within the State): 5 marks per unit	12
5	Empanelment / Work order executed with SERC/CERC /SDA/BEE and other Quasi Judiciary bodies/ Government department/ Agencies for undertaking energy audit/ ECBC / green building simulation (2 marks per W.O./ Empanelment)	8
6	List of instruments in possession required for Energy Audit, along with calibration Certificates from any NABL (one marks per major instrument)	5
7	Whether the Agency is an ISO certified?	5
8	Appreciations / Energy Conservation Awards/other Awards received/ Attended refresher course organized BEE or its Agency	5
9	The variety of the sectors audited or green building plan formulated during the year (1 mark per sector)	5
10	Registered office in Haryana	5

11	Innovative technologies and innovative projects implemented under firm guidance	5
12	Whether the Agency is registered MSME of Haryana.	5
13	No. of Energy Audit conducted for applicants applying for awards / No. Of applications submitted for SLECA Awards (1 mark per application)	10
	Total	100

Evaluation Criteria for Category 7:

Sr. No	Parameters	Proposed Mark allocation												
1.	Substation energy management Cell / Team	05												
2.	Detailed Energy Audit conducted in last three years by: a. BEE Accredited Energy Auditor firms / EmAEA (copy of the detailed energy audit needs to be enclosed with the application). (Maximum Marks 20) or b. BEE Certified Energy Auditor Firms (Third Party) having minimum Three Year Working Experience with desired measuring equipment's (Maximum Marks 15) c. BEE Certified Internal Energy Auditor / Internal Energy Management Cell (Maximum Marks 10)	20												
3.	Energy Savings in building premises of substation due to Implementation of Energy conservation measures: a. Energy Saving in the substation building due to energy efficient appliances: 1 mark for 1 % energy saving (Max mark 5 marks) or EPI based: 5 Marks o EPI (below 80 kWH/Sq ft per year) or GRIHA 4 Star or above or LEED / IGBC Platinum or Super ECBC compliant or eq. = 5 marks o EPI (below 140 upto 80 kWH/Sq ft per year) or GRIHA 2-3 Star or LEED/ IGBC Gold/Silver or ECBC+ compliant or eq. = 04 marks o EPI (below 200 upto 140 kWH/Sq ft per year) or GRIHA 1 Star or LEED/ IGBC Certified or ECBC compliant or equivalent = 03 marks	5												
4.	AT&C losses reduction (5 Marks for 1% reduction w.r.t. previous year)	15												
4.	Investment made at substation for implementation of recommendations mentioned in the detailed energy audit report. <table><tr><td>Investment for Implementation of Energy Audit report recommendations</td><td colspan="3">Marks (Maximum Marks 25)</td></tr><tr><td></td><td>AE EmAEA</td><td>BEE / Certified Energy Auditor Firms (Third Party)</td><td>BE E Certified Internal Energy Auditor</td></tr><tr><td>50% or more investment made in that year: -</td><td>20</td><td>15</td><td>10</td></tr></table>	Investment for Implementation of Energy Audit report recommendations	Marks (Maximum Marks 25)				AE EmAEA	BEE / Certified Energy Auditor Firms (Third Party)	BE E Certified Internal Energy Auditor	50% or more investment made in that year: -	20	15	10	20
Investment for Implementation of Energy Audit report recommendations	Marks (Maximum Marks 25)													
	AE EmAEA	BEE / Certified Energy Auditor Firms (Third Party)	BE E Certified Internal Energy Auditor											
50% or more investment made in that year: -	20	15	10											

	35% to <50% investment made in that year:-	15	10	5	
	25% to <35% investment made in that year:-	10	5	3	
5.	Investment made on Renewable Energy Technologies / Innovation / energy efficient building design features/ natural resource management other than Energy audit report recommendations: • With investment of Rs 100 .00 lacs or above= 10 marks • With investment of Rs 10 .00 lacs below 100.0 lacs= 5 marks • With investment of Rs 01.00 lacs below 10.0 lacs = 3 marks				10
6	Star rated Transformers installed in the Substation: Max marks 15 i. Five Star: 3 marks * no of Transformer ii. Four Star: 2 marks * no of Transformer iii. Three Star: 1 Mark * no. of Transformer iv. Two Star: 0.5 Mark* no of Transformer				10
8	Whether any awareness campaign / training regarding EC measures organized at substation in collaboration with District Office of HAREDA/ BEE/ PCRA/NPC/Industries Association etc or any exhibition organised				5
9	Any Award to the substation from any govt. body/ reputed association/ NGO or Any ISO Certification or Building Management System implemented				5
10	Live tree exists in Building premises (1 Mark for 5 trees)				3
11	ETP/ Rain Water Harvesting system installed in the substation				2
	Total				100

Brief guidelines:

- For claiming marks of energy savings mentioned in the evaluation criteria (Energy Saving), the firm has to submit the details of previous year electricity/energy consumption bill along with the detail of electricity/energy bills for the year for which application of award is being submitted. If the industry/ unit has installed any additional machinery due to which the energy consumption bill has increased even after implementation of energy audit report, the industry needs to give the reasons in detail with proper justification. The specific energy consumption of the product may be indicated and compared with that of the previous year to give an authentic picture of energy savings.
- For claiming the marks for investment in implementation of detail energy audit report, the industry needs to submit the audited statement of expenditure.
- The application should not be submitted loose and it should be submitted on A-4 size sheets, properly indexed and should be neatly spiral bound with all annexure. Applications with incomplete information and supporting documents will be summarily rejected.
- The application for award is to be submitted in the prescribed application format enclosed.

7. GENERAL GUIDELINES:

- (i) The applications to be submitted by the applicant online, however applicants should get verify the relevant category annexure / application format from the BEE approved Energy Auditor/ Energy Manager with the certificate that "all the parameters/ information mentioned in the application has been verified and is correct as per the record submitted and verified by the Energy Manager/ Energy Auditor" and same shall be uploaded online.
- (ii) Applications shall be evaluated by the sub-committee of DNRE/HAREDA and after verifying the data, these shall be recommended for nomination for State Level awards.
- (iii) The applicants who have been given State Level Energy Conservation Award shall not be eligible to apply for award for next three years from year for which award is given except category 6. (e.g. the applicant who has been given award for 2019-20 can apply for the award in the year 2023-24 or thereafter).
- (iv) Only the applicants, who secure minimum 40 marks in the evaluation criterion, shall be eligible for the Award.
- (v) The decision of the State Level Committee shall be final & binding and no appeal would be entertained.