**STATE LEVEL**

**ENERGY CONSERVATION AWARDS**

**UNDER**

**ENERGY EFFICIENCY / CONSERVATION PROGRAMME**

**FOR**

**THE STATE OF PUNJAB**



**Punjab Energy Development Agency,**

**Solar Passive Complex**

**Plot No. 1-2, Sector 33-D, Chandigarh-160034**

**PHONE: 0172-2663328, 2663382**

**Website:** [**www.peda.gov.in**](http://www.peda.gov.in); **Email: ec.peda@punjab.gov.in**

**PUNJAB ENERGY DEVELOPMENT AGENCY (PEDA)**

**ANNOUNCES**

**“STATE LEVEL AWARD FOR EXCELLENCE IN ENERGY**

**CONSERVATION AND MANAGEMENT"**

**OBJECTIVE OF AWARD SCHEME:**

* To give "State Recognition" to facilities/units who have taken extra efforts for efficient utilization management and conservation of energy during the last two financial years 2021-22 & 2022-23 in the state of Punjab.
* Awards: Cash Prize, Trophy & Certificate.

**PEDA is pleased to invite the application from organization from following sectors:**

* Energy Intensive Industries(Designated Consumers)
* Manufacturing Enterprises
* Commercial buildings
* Individual Energy Auditors & Energy Auditing Agencies

Participants may download the questionnaire from PEDA website-www.peda.gov.in and submit the filled form addressed to Director, PEDA.

**Last date for submitting filled in Applications in the form of Questionnaire:- 30.11.2023**

**Note-**The Evaluation and weightage criteria for the Awards is placed on Page-7 of Awards Scheme.

For further details Contact:-

**Sh. Sharad Sharma**

**Project Engineer(EC)**

**Punjab Energy Development Agency**

**Solar Passive Complex,**

**Plot No. 1 & 2, Sector-33 D, Chandigarh**

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**PEDA: WORKING TOWARDS A SUSTAINABLE ENERGY FUTUREPUNJAB ENERGY DEVELOPMENT AGENCY (PEDA)**

**STATE LEVEL ENERGY CONSERVATION AWARDS**

**“Award for Excellence in Energy Conservation and Management”**

**OBJECTIVE**

To give “State Recognition” to facilities/units who have taken extra efforts for Efficient Utilization, Management and Conservation of Energy during the last two Financial years 2021-22 & 2022-23 in the state of Punjab.

**THE AWARDS**

First and second prizes are proposed to be given in each sub category in the form of Cash Prize &Trophies as well as Certificate of appreciation with appropriate citation as decided by PEDA. The performance of Units would be judged through the questionnaire (format enclosed) and subsequent presentation or visit to short listed units which would be evaluated on the mentioned evaluation criterion by the Award Judging Committee.

The Award Committee would take a final decision on the number of awards depending on the number and quality of entries received in each category.

**ELIGIBILITY/ CATEGORIZATION**

The scheme is open to the following categories operating in Punjab State only:

**Category1: Energy Intensive Industries (Designated consumers) in the following sub categories:**

1. Textile with an annual energy consumption of 3,000 MTOE / year
2. Pulp and Paper with an annual energy consumption of 20,000 MTOE / year

**Category2: Manufacturing Enterprises in the following sub categories**

1. Small Scale: All consumers in the state with an Annual Turnover ≤ Rs. 50 Cr.
2. Medium Scale: All consumers in the state with an Annual Turnover ≤ Rs. 250 Cr.
3. Large Industries: All consumers in the State with an Annual Turnover≥250cr.

**Category3: Commercial Buildings having connected ≥100 kW in the following sub categories.**

1. Offices – Government & Private Buildings
2. Educational Institutions – Government & Private Buildings
3. Hospital Buildings

**Category 4: BEE Certified Energy Auditors having Minimum 3 years experience in the field of energy Audit.**

a) Individual BEE Certified Energy Auditors.

b) Energy Auditing Agencies

**Criteria for Judging Merit**

1. Evaluation of the nominations will be done based on the Evaluation and Weight age criteria as per guidelines of Bureau of Energy Efficiency, Ministry of Power given in **Annexure-A.**
2. Evaluation will be made on the basis of the information and the savings made along with the projects implemented, as required in Questionnaires.
3. The Award Committee will decide the recipient of the awards on the basis of the outstanding achievements and contribution in the field of energy efficiency, conservation and management (subject to minimum of 3 units).
4. The award committee will analyze the entries and the decision of the committee would be final.
5. The Award may not necessarily be decided on the basis of quantitative achievements, but other factors such as innovative techniques and technologies adopted, commitment of the management, organizational set-up to promote energy efficiency and energy conservation in the unit, etc. would also be considered. (A copy of Questionnaire/ Application is enclosed).
6. The members of the Award Committee or their nominees may visit participating units for verification of data supplied, if felt necessary and it will be obligatory on the part of the participating units to provide necessary co-operation to this committee.
7. The committee may invite some of the selected units for presentation in Chandigarh before finalizing the list of Award winning units. The units have to bear all the expenditure in this connection.
8. The Committee's decision would be final and no appeal would be entertained.

**Instructions for Filling up the ‘Award Questionnaire’**

1. The data required for the questionnaire pertains to the accounting years (2021-2022 and 2022-2023.
2. The enclosed questionnaire is only a format and thus information sought should be separately computer printed or neatly typed or to be downloaded from the PEDA’s website: [**www.peda.gov.in**](http://www.peda.gov.in)
3. PEDA will receive questionnaires from Energy Intensive Industries, Manufacturing Enterprises& Commercial Buildings. After scrutiny of the questionnaires by Award Committee. PEDA may invite the selected units for further scrutiny and presentation.
4. **The answers to the questions should be precise and specific and should be supplied in total compliance with the questionnaire format. The deviations may lead to improper evaluation or the rejection of the nomination.**
5. The information sought under any head should be highlighted under the same and no separate annexure should be attached.
6. Each and every query mentioned in the questionnaire needs to be answered. Even, if answer is ‘NO ‘or `NOT APPLICABLE' the same may be stated, instead of ignoring it.
7. The questionnaire should be filled in by a competent and responsible person of the company. He/she should be fully conversant with the energy terms and units, conversion / multiplying factors etc.
8. The duly filled-in questionnaire should be signed by the Chief Executive of the company / industrial unit.

**SUBMISSION OF NOMINATION**

One neatly bound copy (preferably spiral bounded) of the questionnaire and a soft copy along with unit’s annual financial audited reports (If available) for the financial years 2021-2022 and 2022-2023 should reach the office of:

**Director**

**Punjab Energy Development Agency**

**Solar Passive Complex,**

**Plot No. 1 & 2, Sector33-D, Chandigarh**

**Phone: 0172-2663328, 2663382, Fax: 0172-2662865**

**Website:** [**www.peda.gov.in**](http://www.peda.gov.in)**;Email: ec.peda@punjab.gov.in**

**Latest by 30.11.2023**

Note:

1. Photocopies of the Questionnaire can be circulated to your sister concern units or other eligible participant to participate in the State Energy Conservation Award Scheme.
2. You may download the Questionnaire from [www.peda.gov.in](http://www.peda.gov.in)
3. PEDA will be authorized to use the information submitted through questionnaire for public use.
4. Canvassing in any form shall automatically disqualify the applicant.

**PROPOSAL FOR STATE LEVEL ENERGY CONSERVATION AWARDS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Category** | **Sub Category** | **Type of Award for each sub category** |
| 1. | Energy Intensive Industries (Designated Consumer) | * Textile * Pulp & Paper | 1st Prize = Rs. 0.50 Lac, Trophy & certificate  2nd Prize = Rs. 0.30 Lac, Trophy& certificate |
| 2. | Manufacturing Enterprises | * Small scale * Medium Scale * Large Scale | 1st Prize = Rs. 0.50 Lac, Trophy & certificate  2nd Prize = Rs. 0.30 Lac, Trophy & certificate |
| 3. | Commercial Buildings | * Offices – Government & Private Buildings * Educational Institutions – Government & Private Buildings * Hospital Buildings | 1st Prize = Rs. 0.50 Lac, Trophy & certificate each  2nd Prize = Rs. 0.30 Lac, Trophy & certificate each |
| 4. | Individual BEE Certified Energy Auditors, Energy Auditing Agencies | * Individual BEE Certified Energy Auditors having three years experience in the field of energy audit. * Energy Auditing companies having a minimum three years experience in the field of energy audit. | 1st Prize = Rs. 0.50 Lac, Trophy & certificate each  2nd Prize = Rs. 0.30 Lac, Trophy & certificate each |

**Annexure A**

**Evaluation and weightage criterion**

**Category 1: Energy Intensive Industries (Designated consumers) in the following sub categories:**

**Textile and Pulp & Paper**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Item** | **Max 50 Marks** |
| 1 | SPECIFIC ENERGY CONSUMPTION as per Form -1 Submitted to BEE in 2021-22 & 2022-23  (% Reduction in SEC over the previous year) | 20 |
| 2 | ENERGY SAVINGS – Electrical and Thermal | 15 |
| (i) | Electrical Energy savings in 2021-22 & 2022-23 |
| Average Saving in 2021-22 & 2022-23 |
| (ii) | Thermal Energy savings in 2021-22 & 2022-23 |
| Average Saving in 2021-22 & 2022-23 |
| 3 | ISO 50001 EnMs certified units | 6 |
| 4 | Energy Policy(Copy) | 5 |
| 5 | Appointed Energy Manager with Certificate | 4 |

**Category 2: Manufacturing Enterprises-Small Scale, Medium Scale & Large Industries**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Item** | **Max 50 Marks** |
| 1 | ENERGY SAVINGS – Electrical and Thermal | 20 |
| (i) | Electrical Energy Saving in 2021-22 & 2022-23 |
| (ii) | Average Electrical Energy Saving in 2021-22 & 2022-23 |
| (ii) | Thermal Energy savings in 2021-22 & 2022-23 |
| Average Thermal Energy Saving in 2021-22 & 2022-23 |
| 2 | SPECIFIC ENERGY CONSUMPTION (Energy Consumption/Production) in 2021-22 & 2022-23 | 20 |
| % Specific Energy Consumption Reduction over the previous year |
| 3 | Specific Energy Consumption Comparisons with the best reported values among the participating units | 6 |
| 4 | ISO 9001 certified units | 2 |
| 5 | Energy Policy(Copy) | 2 |

**Category 3: Commercial Buildings having connected ≥100 kW**

|  |  |  |
| --- | --- | --- |
| Sr. No. | Item | **Max 50 Marks** |
| 1 | ENERGY SAVINGS – ELECTRICAL | 30 |
| Electrical Energy savings in 2021-22 & 2022-23 |
| % Saving in Electrical Energy over the previous year. |
| 2 | SPECIFIC ENERGY CONSUMPTION( Electric energy consumption/Total built-up area ) | 15 |
| % reduction in Specific Energy Consumption over the previous year. |
| 3 | Building is ECBC Complaint | 5 |

**Category 4: BEE Certified Energy Auditors & Energy Auditing Agencies.**

**Individual BEE Certified Energy Auditors**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Item** | **Max 50 Marks** |
| 1 | Year of Experience in Energy Auditing field | 5 |
| 2 | The variety of the sectors audited during the year 2021-23 | 5 |
| 3 | No. of detailed Audit carried out in Designated Consumers during the year 2021-23 | 5 |
| 4 | Total Saving in the TOE from EC projects identified during the last 2 years % increase saving from EC project identified during the year 2022-23 over 2021-22 | 5 |
| 5 | Total Saving in the TOE from EC projects implemented by the clients during the last 2 years % increase in saving from EC project implemented during the year 2022-23 over 2021-22 | 10 |
| 6 | Innovative technologies and innovative projects implemented during the year 2021-23 | 5 |
| 7 | No. of State Energy Conservation Awards received during the year 2021-23 | 5 |
| 8 | No. of participant in the Training programs/campaigns in energy conservation organized /conducted during the year 2021-23 | 5 |
| 9 | Efforts for creating Awareness for energy conservation  i. No. of Technical Paper published during the period 2021-23  ii. No. of Seminar/ Workshop attended as speaker during the year 2021-23 | 3 |
| 10 | List of instruments in possession (minimum four) required for Energy Audit, along with calibration Certificates from any NABL lab for the years 2021-2023 | 2 |

**Energy Auditing Agencies**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Item** | **Max 50 Marks** |
| 1 | Year of Experience in Energy Auditing field | 5 |
| 2 | No. of full time Energy Auditors working in EA Agency | 2.5 |
| 3 | No. of Audits Carried out during the year 2021-23 (Detailed) % increase in detail audit carried out in 2022-23 over 2021-22 | 5 |
| 4 | The variety of the sectors audited during the year 2021-23 | 5 |
| 5 | No. of detail audit carried out in Designated Consumers in 2021-23 | 5 |
| 6 | Total saving in TOE from EC projects identified during the last 2 years % increase saving from EC project identified during the year 2022-23 over 2021-22 | 5 |
| 7 | Total saving in TOE from EC projects implemented by the clients during the last 2 years.  % increase in saving from EC project implemented during the year 2022- 23 over 2021-22 | 10 |
| 8 | Innovative technologies and innovative projects implemented during the year 2021-23 | 2.5 |
| 9 | No. of appreciations /State Energy Conservation Awards/other Awards received in last 2 Financial years. | 2.5 |
| 10 | No. of participant in the training programs/campaigns in energy conservation organized / conducted during the year 2021-23 | 1 |
| 11 | Whether the Agency is an ISO certified? | 2 |
| 12 | Empanelment with SERC/CERC /SDA and other Quasi Judiciary bodies for undertaking similar assignment on REC etc | 2.5 |
| 13 | List of instruments in possession (minimum four) required for Energy Audit, along with calibration Certificates from any NABL lab for the years 2021-2023 | 2 |

1. The above evaluation and weightage criterion is common for all the participating units. If due to some peculiar characteristics of the participating units, the application of the above criteria may not be feasible. In such a case, Award Committee reserves the right to modify the criteria, which shall be uniformly applied to all the participating units.

2. The units having negative specific energy consumption reduction shall not be considered for the award.

3. For all the evaluation criteria, if the difference between the first and second unit in the particular criteria is more than 10% in the percentage score, then the second best unit will be awarded 10% less marks than that of the first unit and prorate will start from that building onward. Similarly, if the difference between second and third building is also found to be more than 10% the above methodology will be followed till the completion of the evaluation criteria of all the units.

4. In case of category 1 and category 2, if it is found that for a particular unit in a particular category, the % SEC reduction, GHR improvement / Auxiliary Consumption reduction (Thermal Power Plants) is exceptionally high mainly due to increased capacity utilization or changes in the manufactured product combination and is affecting the weight age of other units, Award Judging Committee reserves the right to modify the Evaluation & Weight age criteria for that category.

5. The Weightage criteria for the two years 2021-22 and 2022-23 would be in the ratio of 50:50.