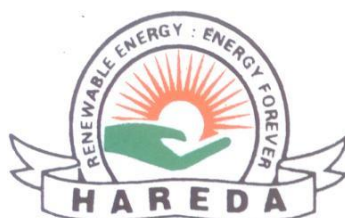


**REVISED
SCHEME ON

STATE LEVEL
ENERGY CONSERVATION AWARDS**



HARYANA RENEWABLE ENERGY DEVELOPMENT AGENCY (HAREDA)

DEPARTMENT OF RENEWABLE ENERGY, HARYANA

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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 01.3.2002.

The Govt. Of Haryana has designated the Department of 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. The Department of Renewable Energy, Haryana has prepared an Energy Conservation Action Plan. One of the activity under this plan 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 Commercial Buildings (Shopping Malls/ Plazas / Hotel/ Hospitals/Corporate) a. Connected Load 1 MW and above b. Connected Load below 1 MW	a. Rs.10.0 lac and certificate & Shield b. Rs.6.0 lac and certificate & Shield
2.	a. Govt. Buildings/ Offices with covered area of including LEED/green Building, GRIHA rated or ECBC Compliant building (having connected load above 500 kW) b. Govt. Buildings/ Offices with covered area of minimum 5,000 Sq. feet) (having connected load below 500 kW)	a. Rs.2.0 lac and certificate & Shield b. Rs.1.0 lac and certificate & Shield

3.	a. Institutions & Organizations (Pvt. Schools, Colleges educational, Govt./ Govt. aided Schools/Universities/ Colleges, Organizations (Having connected load more than 30kW)	a. Rs.4.0 lac and certificate & Shield
	b. Residential Building having load more than 10kW	b. Rs. 1.00 lac and certificate & Shield
	Total Award Money	Rs.24.00 lac
	Total Budget required for organizing the Ceremony + associated expenditure on prize money, shields, certificates etc.	Rs.30.0 lac

4. **ELIGIBILITY CRITERIA:**

State Govt. has made some energy conservation initiatives by making use of solar water heating system, energy efficient lighting etc. mandatory for various categories through Govt. notifications as per detail given below:

- (i) Vide notification no. 22/52/05-5P dated 29.7.2005, use of solar water heating system has been made mandatory in the industries where hot water is required for processing, hospitals and nursing homes including Govt. hospitals, hotels, motels, banquet halls, jail barracks, canteens, houses/ complexes setup by group housing societies/ housing boards, residential buildings of size 500 sq. yrds and above falling within the limits of municipal committees/ corporation/HUDA sectors, all Govt. buildings, residential schools, education colleges/ hostels, vocational institutes, district institute of education & training, tourism complexes and universities etc.
- (ii) Also vide the above notification dated 29.7.2005, the use of incandescent lamps in all new building/ institutions constructed in Govt. sectors/ Govt. aided sector / board and corporations/ autonomous bodies is banned and it has been made mandatory the use of Compact Fluorescent Lamp (CFL).
- (iii) Vide notification no. 22/52/05-5Power dated 25.6.2008, the use of Compact Fluorescent Lamps (CFL) and / or T-5 (28 W) Energy efficient tubelight and/ or light emitting diode (LED) lamp shall be made mandatory for all electricity consumers in industrial, commercial and institutional sector having connected load of 30 KW or above.

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/DRE in the prescribed forms 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 alongwith relevant enclosures with the respective o/o the Additional Deputy Commissioner as per time schedule mentioned in the advertisement notice.
- These applications shall be appraised by the District Level Committees under the Chairmanship of the respective Additional Deputy Commissioner comprising of Superintending Engineer-Uttari Haryana Bijli Vitran Nigam Ltd. / Dakshin Haryana Bijli Vitran Nigam Ltd., General Manager-District Industries Centre and PO/APO (IREP) & 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 Principal Secretary to Govt. Haryana, Renewable Energy Department and Chairman, HAREDA 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.	PSRE-cum-Chairman, HAREDA	Chairman
ii.	Director, 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	Member
vi.	Addition Director , Renewable Energy Department, Haryana	Member
vii.	Project Director Renewable Energy Department, Haryana	Member Secretary

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:

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: <ul style="list-style-type: none"> a. BEE Accredited Energy Auditor firms / EmAEA (copy of the detailed energy audit needs to be enclosed with the application). (Maximum Marks 25) or b. BEE Certified Energy Auditor Firms (Third Party) having minimum Three Year Working Experience with desired measuring equipments (Maximum Marks 15) c. BEE Certified Internal Energy Auditor (Maximum Marks 8) 	25
3.	Energy Savings due to Implementation of Energy conservation measures	25

	<ul style="list-style-type: none"> • Mark shall be given equal to the percentage of energy saving in comparison to last year with maximum 25 marks if the energy saved is 25% or more (e.g. if the energy saved is 10% compare to the last year, 10 marks shall be given). (if Operational) 	
4.	Investment made by the firm for implementation of recommendations mentioned in the detailed energy audit report. <ul style="list-style-type: none"> • 50% or more investment made in that year: - 40 • 35% to <50% investment made in that year:- 25 • 25% to <35% investment made in that year:- 15 	40
5.	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
	Total	100

Brief guidelines:

- For claiming marks of energy savings mentioned at Sr. No. 3 of the evaluation criteria, 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 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 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 annexures. 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 as **Annexure-I**

7. GENERAL GUIDELINES:

- (i) The applications to be submitted by the applicant should be verified by 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".
- (ii) These applications shall be submitted by the applicant to the respective Additional Deputy Commissioner and the facts shall be verified by the District Level Committee under the Chairmanship of the Additional Deputy Commissioner comprising of Superintending Engineer of UHBVN / DHBVN, G.M., District Industries Centre & district PO/APO (DRE) as members of the District Level Committee. Thereafter, the application shall be forwarded to the HAREDA by the District Level Committee for consideration of the State Level Committee.
- (iii) The applicant 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.(e.g. the applicant who has been given award for 2011-12 can apply for the award in the year 2015-16 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 and binding.

STATE LEVEL ENERGY CONSERVATION AWARD
"Award for Excellence in Energy Conservation and Management"
"Award Questionnaire"

1. BASIC INFORMATION ABOUT THE INDUSTRY

1	Name of the Unit/ Organization	
2	Category of Award for which your Nomination should be considered	
3	Complete address of unit/ Organization:- (i) Address: (ii) Telephone No.: (iii) Fax No.: (iv) E-mail Id: (v) Website if any:	
4	Detail of Concerned official to be contacted for any additional Information: (i) Name: (ii) Designation: (iii) Mobile No.: (iv) E-mail Id :	
5	Year of Establishment	
6	Plant Connected Load (KW)	
7	Production and capacity utilization details: a. Main Product b. Units c. Installed Capacity d. Actual Production e. % capacity	
8	Whether your organization has been awarded Energy Conservation Award earlier. If yes: i. Category of Award: ii. Year : iii. Amount of Award:	

2. Organizational set up for Energy Conservation:

A	Whether any Energy Conservation Policy and Energy Conservation (EC) management cell. If Yes, a copy of the Policy and EC management Cell to be enclosed.	
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3. ENERGY CONSUMPTION AND COST:

		Year.....	Previous Year....
1	Purchased Electricity		
	a. Units (Iakhs kwh/year)		
	b. Total Cost (Rs. Lakhs/year)		
2	Own Generation		

	i) Through DG sets a. Units (Iakhs kwh/year) b. Total Cost of generation (Rs. In lacs)		
	ii) Through steam / gas turbine route a. Units (Iakhs kwh/year) b. Total Cost of generation (Rs. In lacs)		
	i) By any other means a. Units (Iakhs kwh/year) b. Total Cost of generation (Rs. In lacs)		
3	Total consumption of electricity (purchased + own generated in the plant) (Iakhs kwh/year) (1 a + 2 (i) a + 2 (ii) a + 2 (iii) a)		
4	Total cost of electricity consumption In the plant (Rs. lakhs/year) (1b+2(i)b+2(ii)b+2(iii)b)		

4. ENERGY AUDIT

A	Whether any energy audit has been undertaken in your unit in last three years? If yes, please give the details on the following: i. In which year the energy audit was carried out? ii. Whether a. it was detailed energy audit by BEE Accredited Energy Auditor Firm / EmAEA. b. Energy audit by BEE certified energy auditor Firm (third Party). c. Energy audit by Internal Energy Auditor. (Please provide the certified copy of the energy audit report)							
B	Did you engage with any EmAEA/ Accredited Energy Auditor Firm / Energy Service Company (ESCO)/ Third Party Energy Auditor Firm to implement Energy Conservation measures? If yes please the name of agency and other details (i.e. experience, Work Order copy etc.)							
C	Investment made by your Firm / Organisation for implementation of recommendations mentioned in the detailed energy audit report? If yes give detail. About: i. No. of measures recommended in the audit report: ii. Tentative expenditure required to implementation these measures: iii. No. of measures implemented : <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>Name of implement</th> <th>Investment Made *</th> <th>Time Period with date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Name of implement	Investment Made *	Time Period with date				
Name of implement	Investment Made *	Time Period with date						
D	If all the measures have not been implemented, Action Plan to implement these measures.							

* For investment made, Audited Statement of Expenditure should be enclosed with application.

5. ENERGY SAVING MEASURES

A. Please list Technology Innovation/R&D measures undertaken in your buildings to reduce energy consumption during the last year:

Year	Technology innovation / R&D	Savings achieved in	Investment made *

	under taken (please specify)	Energy value (kWh)	Rs. in lacs	(Rs. in lacs)
	1.			
	2.			
	3.			
	4.			
Total				

* For investment made, Audited Statement of Expenditure should be enclosed with application.

B. Please list Energy Efficiency measures undertaken, savings achieved and investment made during the last year in energy substitution:

Year	EE Measures Undertaken (please specify)		Savings achieved in		Investment made *
	Measures	Quantity (nos.)	Energy value (kW)	Rs. lacs	(Rs. in lacs)
	1.				
	2.				
	3.				
	4.				
Total					

* For investment made, Audited Statement of Expenditure should be enclosed with application.

Note: Energy substitution can be from Electricity to oil/gas and conventional (such as oil, gas, electricity) to non conventional (renewable such as solar, bio mass, wind etc.)

C. Total Energy Saving in the year for which application has been submitted (A+B+C above):

Year	No. of measures implemented (i)	Investment made (Rs. in Lacs) (ii)	Savings achieved (kWH) (iii)	Savings achieved (Rs in lacs) (iv)	Total Energy consumed (Rs./Yr.) (v)	% savings of energy consumed (iv/v*100)
	1					
	2					
	3					
	4					

Remarks, if any

6. Specific Fuel Consumption (Last two years)

- i) Year.....:
- ii) Year.....:

7. Any awareness campaign / training regarding EC measures organized by the industry in collaboration with District Office of HAREDA/ BEE/ PCRA/NPC/Industries Association/CII/ FICCI/ ASSOCHAM or any other. (Give Detail i.e. event detail, photographs No. of participants etc.) last two years.

- i) Year.....:
- ii) Year.....:

8. Mandatory Provisions implementation:

- i. As per Government instructions vide notification no. 22/52/05-5P dated 29.7.2005 use of solar water heating system has been made mandatory in the industries where hot water is

required for processing, hospitals and nursing homes including Govt. hospitals, hotels, motels, banquet halls, jail barracks, canteens, houses/ complexes setup by group housing societies/ housing boards, residential buildings of size 500 sq. yds and above falling within the limits of municipal committees/ corporation/HUDA sectors, all Govt. buildings, residential schools, education colleges/ hostels, vocational institutes, district institute of education & training, tourism complexes and universities etc.

- a. Whether hot water is required in your industry :
- b. If yes, requirement of hot water/ day :
- c. Present source of hot water :
- d. Whether Solar Water Heater Has been installed :

Capacity	Year of Installation

ii. As per Government instruction vide notification no. 22/52/05-5Power dated 25.6.2008, the use of Compact Fluorescent Lamps (CFL) and / or T-5 (28 W) Energy efficient tubelight and/ or light emitting diode (LED) lamp shall be made mandatory for all electricity consumers in industrial, commercial and institutional sector having connected load of 30 KW or above.

a. The present source of light in industry:

Type of light	Watt	Nos.

DOCUMENTS ATTACHED:

- 1.
- 2.

Date:
Place:

Signature of the Chief Executive
Organization Seal

Certificate/ verification:

It is certified 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.

Signature of the BEE certified Energy Auditor/
Energy Manager

Note: The duly filled application shall be submitted to the concerned Additional Deputy Commissioner-cum- Chief project Officer of the district. The application sent directly to the department will not be considered and will be rejected.

Verification:

Addl. Deputy Commissioner-cum-
Chief Project Officer,
District Rural Development Agency
.....