

NATIONAL ENERGY CONSERVATION AWARD – 2017

Performance Award for State PWD and CPWD

Award for Excellence in Energy Conservation and Management

OBJECTIVE

The objective of the scheme is to give national recognition to the team members of the State PWD and CPWD who are maintaining the specific building and have made systematic and serious attempts for efficient utilization and conservation of energy during the years, 2014-15, 2015 -16 and 2016-17.

THE AWARDS

First and second prizes are proposed to be given to the team members of State PWD and CPWD buildings who are maintaining nominated building in the form of a Silver Plaque with appropriate citation on such awards as may be decided by the Ministry of Power. The performance of the nominated team members and building would be judged through a questionnaire (format enclosed) which would be evaluated by an Award Committee.

ELIGIBILITY

The scheme is open to all **State PWD and CPWD BUILDINGS**, which are **having connected load of 200 kW and above**.

Criteria for Judging Merit

- a) The Award Committee will decide the recipient of the awards on the basis of outstanding achievements and contribution in the field of energy conservation and management.
- b) 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 by the team members of the nominated State PWD and CPWD buildings (The Evaluation and Weightage criteria for Evaluating the Award Questionnaire/ Application is enclosed at Annexure-A)
- c) **The members of the Award Committee or their nominees may visit nominated State PWD and CPWD buildings for verification of data supplied, if felt necessary, and it will be obligatory on the part of the management of nominated buildings to provide necessary cooperation. The management of the State PWD and CPWD buildings building has to bear all the expenditure in this connection.**
- d) The Committee's decision would be final and no appeal would be entertained.

Instructions for Filling up the 'Award Questionnaire'

- a) The data required for the questionnaire pertains to the accounting years 2014-15, 2015-16 and 2016-17. If calendar year is the accounting year, then data should pertain to the years 2014, 2015, 2016 and 2017.
- b) 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 Bureau's Website: www.beeindia.gov.in**
- c) 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.**
- d) The information sought under any head should be highlighted under the same and no separate annexure should be attached.
- e) 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.
- f) The questionnaire should be filled in by a competent and responsible person of the building. He/ she should be fully conversant with the energy terms and units, conversion / multiplying factors etc. The duly filled-in questionnaire should be signed by the Chief Engineer of the State PWD and CPWD.

Submission of nomination

The filled in questionnaire should reach the office of

**Director General
Bureau of Energy Efficiency
4th Floor, Sewa Bhawan
R. K. Puram, New Delhi-110 066
Tel. No.: 011-2617 9699 (5 lines)
Fax No.: 011- 2617 8328, 2617 8352**

Latest by **28th September, 2017**

Note:

- 1. You may download the Questionnaire from www.beeindia.gov.in
- 2. The filled in application can also be e-mailed at ecawards.2017@beenet.in, ecaward17@gmail.com and ecaward2017@rediffmail.com and followed by submission of duly signed hard copy by post at BEE office address.

(To be submitted by 28th September, 2017)

NATIONAL ENERGY CONSERVATION AWARD - 2017

State PWD and CPWD Buildings

"Award Questionnaire"

Note: State PWD and CPWD Buildings having connected load of 200 kW or above are eligible to participate in the Award Scheme

Sl. No	General Description	
1	Name of the Team members maintaining the nominated State PWD/ CPWD Building	1. 2. 3. 4.
2	Specific name of the nominated building	
3	Year of commencement of the official/ commercial activities in the building	
4	Complete address of building's location (including Chief Engineer's name & designation) with telephone, fax nos. & E-Mail (All details to be submitted)	
5	Name, designation, address, telephone, mobile, fax nos. & E-Mail of responsible person who could be contacted in connection with the application for Award (All details to be submitted)	

6 Description of the Building and Connected Load (kW)

6 (a) Building Status (Please tick appropriate box) ☐ Stand alone building ☐ Part of a building complex

6 (b) No. of floors _____

6 (c)	Building Area and Connected Load	2013-14	2014-15	2015-16	2016-17
(i)	Total Built up Area (in m ²)				
(ii)	Air-conditioned area (in m ²)				
(iii)	Non-Airconditioned area (in m ²)				
(iv)	Total Connected Load (in kW)				
6 (d)	Building contract demand with electric utility company (kVA)				
6 (e)	Average power factor for the period				
6 (f)	Building operating hours				

7 Electrical Energy Consumption in the Office Building

	Energy used	Units	2013-14	2014-15	2015-16	2016-17
(a)	Electricity Purchased	Lakh kWh				
(b)	Self generated	Lakh kWh				
(c)	Total Electricity Consumption (a+b)	Lakh kWh				
(d)	Total electricity consumption/ Total built-up area (in kWh/m ²) = $\frac{7(c)}{6(c)(i)} \times 10^5$	kWh/m ²				

8 Achievement of energy savings from implementation of new Energy Efficiency Projects during the year 2014-17 (The energy savings achieved shall only from the projects which have been implemented during 2014-15, 2015-16 and 2016-17)

Year	2014-15	2015-16	2016-17
Annual Electricity Savings (Lakh kWh)			
Annual Energy Savings in Rs. Lakhs			
One time Investment in Rs. Lakhs			

9 Summary

Please summarize the information and data provided in this questionnaire as per the format given below:

NATIONAL ENERGY CONSERVATION AWARD –2017 State PWD and CPWD Buildings SUMMARY SHEET

State PWD / CPWD Building Name

9a. Specific Energy Consumption (SEC) Reduction during the period 2014 - 2017 (S.No. 7 (d))		
Year	Total electricity consumption/ Total built-up area (kWh/m ²)	% Reduction over the preceeding Year
2013-14		--
2014 - 2015		
2015 - 2016		
2016-17		
9b. Absolute Savings		
Elect. Saving (Lakh kWh) in 2014 -15	Elect.Consumption (Lakh kWh) in 2013-14	% Elect.Saving (savings achieved/ electricity consumption of previous year)
(i)	(ii)	(i) / (ii) x 100

Elect. Saving (Lakh kWh) in 2015 -16	Elect.Consumption (Lakh kWh) in 2014-15	% Elect.Saving (savings achieved/ electricity consumption of previous year)
(i)	(ii)	(i) / (ii) x 100
Elect. Saving (Lakh kWh) in 2016 -17	Elect.Consumption (Lakh kWh) in 2015-16	% Elect.Saving (savings achieved/ electricity consumption of previous year)
(i)	(ii)	(i) / (ii) x 100

I, Solemnly declare that to the best of my knowledge the information given in the Award Questionnaire (National Energy Conservation Award-2017) thereto is correct and complete.

(Signature of the Chief Engineer)

Name of the Chief Engineer.....

Mobile No.

Date:

Place:

Organization Seal

PART-II
NATIONAL ENERGY CONSERVATION AWARD - 2017
(STATE PWD AND CPWD BUILDINGS)
"Award Questionnaire"

1	Name of the State PWD / CPWD Building						
2	The Sector to which unit's nomination should be considered						
3	Complete address of office building location (including Chief Engineer's name & designation) with mobile, telephone, fax nos. & e-mail						
4	Name, designation, address, mobile, telephone, fax nos. & e-mail of responsible person who could be contacted in connection with the application for Award						
5	Please provide details in the following format on major energy efficiency improvement projects/ measures including in-house R&D efforts, technology innovation, energy substitution and renewable energy systems commissioned during the year 2014-2017 giving energy savings achieved. (please also fill up the Part II - Annexure for the Energy Conservation Measures implemented during the year 2014-2017).						
Year of Commissioning of the projects		Project description	Achievement of Annual energy savings in 2014 -17				Investment incurred on the project (Rs. Lakhs)
			Electricity	Fuels		Total savings (Rs. Lakhs)	
			(Lakhs kWh)	FO/HSD (KL)	Gas (lakhs Nm ³)		
		(i) Please list the projects title names which were implemented during the year (ii) Please mention the achievement of energy saving against each projects in the suitable columns.					
2014 -2015							
2015-16							
2016-17							

* Delete or add fuels as the case may be

I, Solemnly declare that to the best of my knowledge the information given in the Award Questionnaire (National Energy Conservation Award-2017) thereto is correct and complete.

(Signature of the Chief Engineer)

Date: _____

Place: _____

Name & designation of the Chief Executive

Mobile No.

Organisation Seal

DOCUMENTS ATTACHED:

1. Copies of Certificate pertaining to statutory requirements such as safety and pollution control(as applicable) for the period 2015 -16 are enclosed.
2. A brief write up of the Office & BPO buildings (not more than 3-4 pages) along with photographs depicting equipment / locations where energy efficiency activities have been undertaken and a CD containing the same is attached (Sample writeup may be seen at www.beeindia.gov.in)

Note: The Part-II and Part-II-Annexure to be kept ready and to be dispatched immediately after the intimation sent by BEE

(To be submitted along with Part –II after intimation by BEE)

Energy Conservation Measure implemented in 2016-17

(To be filled up separately for each Energy Conservation Measure implemented and to be submitted along with the application and emailed at ecawards.2017@beenet.in, ecaward17@gmail.com and ecaward2017@rediffmail.com)

ID to be filled by BEE	Title of the measure		Sector: State PWD/ CPWD Building		
Year: 2016-17			Technology		
Description of the energy conservation measure:					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Agency that executed the project (with complete address and email):					
Total investment, Rs.			Year of implementation:		
First year energy cost savings, Rs.					
First year other savings, Rs.					
On annual basis	kWh	Coal (Tonnes)	Gas Nm ³	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy tariff, Rs/ kWh/ Tonnes/ Nm ³ / kL ...					
Building complete address:				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:				Signature	
				Date	

Note: Please submit this sheet separately for each Energy Conservation Measure implemented in 2016-17 and a CD containing the above information may be enclosed.

NECA - 2016 - Evaluation & Weightage criteria - State PWD and CPWD Buildings		
Sr. No.	ITEM	Max 50 marks
1	ENERGY SAVINGS - Electrical	
i	Electrical Energy savings in (2014 -17)	
ii	% Saving in EE over the previous year (2014-17)	(20 marks)
2	SPECIFIC ENERGY CONSUMPTION REDUCTION	
i	%SEC reduction during 2016-17 over 2015-16	
ii	%SEC reduction during 2015-16 over 2014-15	
iii	%SEC reduction during 2014-15 over 2013-14	(20 marks)
3	New Innovative ideas implemented	(5marks)
4	% reduction in Total energy/ Total built-up area comparison with the best reported values among the participating buildings	(5 marks)

- Note:**
1. The above evaluation and weightage criteria is common for all the State PWD and CPWD Buildings. If due to some peculiar characteristics of the participating State PWD and CPWD buildings, the application of the above criteria may not be feasible. Therefore, Award Committee reserves the right to modify the criteria, which shall be uniformly applied to all the participating Buildings.
 2. For those particular sector, where it is not feasible to compare % reduction with best reported value, 50% of the weightage may be merged with S.No.-2 and the balance 50% with S.No.-1
 3. The State PWD and CPWD buildings having negative specific energy consumption reduction shall not be considered for the award
 4. For all the evaluation criteria, if the difference between the first and second building in the particular criteria is more than 10% in the percentage score, then the second best building will be awarded 20% 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