

NATIONAL ENERGY CONSERVATION AWARD – 2016 **UNIVERSITIES AND ENGINEERING INSTITUTION BUILDINGS**

Award for Excellence in Energy Conservation and Management

OBJECTIVE

The objective of the scheme is to give national recognition to the management of Universities and Engineering Institution buildings who have made systematic and serious attempts for efficient utilization and conservation of energy during the years 2014 -15 and 2015-16.

THE AWARDS

First and second prizes are proposed to be given to the management of nominated buildings 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 buildings would be judged through a questionnaire (format enclosed) which would be evaluated by an Award Committee.

ELIGIBILITY

The scheme is open to all **UNIVERSITIES & ENGINEERING INSTITUTION** buildings, which are **having connected electrical load of 100 kW and above.**

Criteria for Judging Merit

- a) Evaluation of the nominations will be done in two phases, based on the Evaluation and Weightage criteria as given in Annexure-A
- b) In the first phase, evaluation will be made on the basis of the preliminary information, as required in Part - I and the best 10% of the participating buildings (subject to minimum of 4 buildings) would be short listed.
- c) These shortlisted buildings would then have to submit the details of the savings made and the projects implemented, as required in Part-II within 8 days from the date of intimation by BEE.
- d) **The members of the Award Committee or their nominees may visit participating buildings for verification of data supplied, if felt necessary and it will be obligatory on the part of the participating buildings to provide necessary co-operation.**
- e) 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. If calendar year is the accounting year, then data should pertain to the years 2014 and 2015.
- 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 Universities and Engineering Institution Buildings. 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 Executive of the hotel/hospital.

Submission of nomination

The filled in Questionnaires 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, 2016**

Note:

1. The award scheme for Universities and Engineering Institutions is being introduced from the year 2015.
2. You may download the Questionnaire from www.beeindia.gov.in.
3. The filled in application can also be e-mailed at ecaward2016@beenet.in, ecaward16@gmail.com and ecaward2016@rediffmail.com followed by submission of duly signed hard copy by post at BEE office address.

Part 1 (To be submitted by 28th September, 2016)

NATIONAL ENERGY CONSERVATION AWARD - 2016 UNIVERSITIES AND ENGINEERING INSTITUTIONS BUILDINGS

"Award Questionnaire"

Note: Universities and Engineering Institution Buildings having connected load of 100 kW and above are eligible to participate in the Award Scheme.

Sl. No	General Description	
1 (a)	Name of the organization owning and maintaining the nominated building	
1 (b)	The Sector to which unit's nomination should be considered Universities or Engineering Institution	
2 (a)	Specific name of the nominated building	
3	Year of commencement of the educational activities in the building. Whether ISO 50001 Energy Management System Certified ? (Yes/No). If Yes, pl attach a copy of certificate.	
4	Complete address of University/ Engineering Institution building's location (including Chief Executive's name & designation) with telephone, fax nos., E-Mail and Mobile nos.(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 University/Engineering Institution 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 storeys _____

6 (c)	University/ Engineering Institution Building Area and Connected Load	2014 - 15	2015 - 16
(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/ Year		
6 (g)	Whether details also cover Hostel Buildings		

7 Energy (Electricity) Consumption in the University/ Engineering Institution Building

	Energy used	Units	2014 - 15	2015- 16
7	Electricity Consumption			
(a)	Electricity Purchased	Lakh kWh		
(b)	Self generated (DG Set)	Lakh kWh		
(c)	Total Electricity Consumption (a+b)	Lakh kWh		
(d)	Energy Performance Index = Total kWh consumption (7(c)x10 ⁵) / Total built up area (6(i))	kWh/m ²		
(e)				

8	Achievement of energy savings from implementation of new Energy Efficiency Projects during the year 2015-16 (The energy savings achieved shall only from the projects which have been implemented during 2015-16)	
	Year	Annual Electricity Savings (Lakh kWh)
	2015-16	
	Year	Annual Energy Savings in Rs. Lakhs
	2015-16	

Summary

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

NATIONAL ENERGY CONSERVATION AWARD –2016 UNIVERSITIES AND ENGINEERING INSTITUTIONS BUILDINGS SUMMARY SHEET

Building Name

Sub-Sector(University/ Engg. Institution)

9a. Energy Performance Index (EPI) Reduction during the period 2014 - 2016				
Year	Total electricity consumption/ Total built-up area (kWh/m ²)	% Reduction over 2014 - 2015		
2014 - 2015		--		
2015 - 2016				
9b. Absolute energy savings and its percentage over energy consumption of previous year				
Elect. Saving (Lakh kWh) in 2015-16 (i)		Elect.Consumption (lakh kWh) in 2014-15 (ii)	% Elect.Saving (savings achieved/ electricity consumption of previous year) (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-2016) thereto is correct and complete.

(Signature of the Chief Executive)

Name & designation of the

Chief Executive.....

Mobile No.

Date:

Place:

Organization Seal

PART-II (To be submitted after intimation by BEE)
NATIONAL ENERGY CONSERVATION AWARD - 2016
(UNIVERSITIES AND ENGINEERING INSTITUTIONS BUILDINGS)
"Award Questionnaire"

1	Name of the University/ Engineering Institution		
2	The Sector to which unit's nomination should be considered (University or Engineering Institution)		
3 (a)	Complete address of University/ Engineering Institution location (including Chief Executive's name & designation) with mobile,telephone,fax nos. & e-mail		
3 (b)	Year of Establishment		
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 2015-2016 giving energy savings achieved. (please also see Part II - Annexure for the Energy Conservation Measures implemented during the year 2015-2016).		
Year of Commissioning of the projects		Project description	Achievement of Annual energy savings in 2015-16
			Electricity (Lakh kWh)
			Total savings (Rs. Lakhs)
		(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.	
2015-2016			

* 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-2016) thereto is correct and complete.

Date: Place:	(Signature of the Chief Executive) Name & designation of the Chief Executive Mobile No. Organisation Seal
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DOCUMENTS ATTACHED:

1. Copies of Certificate pertaining to statutory requirements such as safety for the period 2015-16 are enclosed.
2. A brief write up of the building(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

by to fill-up the
Investment incurred on the project (Rs. Lakhs)

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NECA - 2015 - Evaluation & Weightage criteria - University/ Engineering Institution Buildings		
S. No.	ITEM	Max 50 marks
1	ENERGY SAVINGS - Electrical)	(35 marks)
i	Electrical Energy (EE) savings in 2014-15	35 marks
	% Saving in EE over the previous year 2013-14	
2	ENERGY PERFORMANCE INDEX REDUCTION (Universities and Engineering institutions) and ISO 50001	(15 marks)
i	% reduction in Electric energy consumption/Total built-up area during 2014-15 over 2013-14	13 marks
ii	ISO 50001 EnMs certified units	2 marks

- NOTE:**
1. The above evaluation and weightage criteria is common for all the University/ Engineering Institution buildings. If due to some peculiar characteristics of the participating sectors, 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 in that particular sector.
 - 2 The University/ Engineering Institution having negative Energy Performance Index reduction shall not be considered for Award
 - 3 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 10% less marks than that of the first unit and prorated 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 If it is found that for a particular building, % EPI reduction is exceptionally high mainly due to increased build up area or for any other reasons and is affecting the weightage of other buildings, Award Committee reserves the right to modify the Evaluation & Weightage criteria for that building (University/ Engineering Institution)

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

Energy Conservation Measure implemented in 2015-16(To be filled up separately for each Energy Conservation Measure implemented and e-mailed at ecaward2016@beenet.in, ecaward16@gmail.com and ecaward2016@rediffmail.com)

ID to be filled by BEE	Title of the measure	Sector... University/Engineering Institution	
Year: 2015-16		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	Electricity(kWh)	Other	
Energy consumption before			
Energy consumption after			
Energy tariff, Rs/ kWh/ Tonnes/ Nm ³ / kL ...			
University/ Engineering Institution 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 2015-16 and a CD containing the above information may be enclosed.