

# **NATIONAL ENERGY CONSERVATION AWARD – 2017**

## **MUNICIPALITY**

### **Award for Excellence in Energy Conservation and Management**

#### **OBJECTIVE**

The objective of the scheme is to give national recognition to the management of municipalities who 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 management of nominated municipality in the form of Gold and Silver Plaque respectively and third Prize in the form of "Certificate of Merit". The performance of the nominated municipality would be judged through a questionnaire (format enclosed) which would be evaluated by an Award Committee.

#### **ELIGIBILITY**

The scheme is open to all Municipalities /Urban Local Bodies

#### **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 municipalities (subject to minimum of 4 municipalities) would be short listed.
- c) These shortlisted municipalities 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 municipalities for verification of data supplied, if felt necessary and it will be obligatory on the part of the participating municipalities 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 2013-14, 2014-15, 2015-16 and 2016-17. If calendar year is the accounting year, then data should pertain to the years 2013, 2014, 2015 and 2016
- 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](http://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 municipality. 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 municipality.

### **Submission of nomination**

The filled in format should reach the office of

**Director General  
Bureau of Energy Efficiency  
4<sup>th</sup> 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. **The current year's Questionnaire is a revised version and contains some changes at appropriate places. Therefore, please do not use the last year's Questionnaire while submitting your application for consideration of Award**
2. **You may download the Questionnaire from [www.beeindia.gov.in](http://www.beeindia.gov.in)**
3. **The filled in application can also be e-mailed at [ecawards.2017@beenet.in](mailto:ecawards.2017@beenet.in), [ecaward17@gmail.com](mailto:ecaward17@gmail.com) and [ecaward2017@rediffmail.com](mailto:ecaward2017@rediffmail.com) followed by submission of duly signed hard copy by post at BEE office address.**

**NATIONAL ENERGY CONSERVATION AWARD - 2017****MUNICIPALITY****"Award Questionnaire"**

Note:

*All Municipal Corporations/Urban Local Bodies are eligible to apply*

Sl. No	General Description					
1	Name of the Municipal Corporation					
2	Year of Formation of Municipal Body					
3	Complete address of Municipality (including Chief Executive's name & designation) with telephone, fax nos., E-Mail and Mobile nos. (All details to be submitted)					
4	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)					
5	<b>Description of the Municipality and Connected Load (kW)</b>					
	<b>General Description</b>	<b>2013-14(reference year)</b>	<b>2014 - 15</b>	<b>2015 - 16</b>	<b>2016 - 17</b>	
i	Total Area of Coverage (in Sq. kilometers)					
ii	Population (in Lakhs)					
iii	Quantity of drinking water pumped in Million m <sup>3</sup> /year					
iv	Quantity of Sewage Pumped in Million m <sup>3</sup> / year					
6	<b>Electricity Energy Consumption in the Municipality</b>					
	<b>Energy used</b>	<b>Units</b>	<b>2013-14</b>	<b>2014 - 15</b>	<b>2015 - 16</b>	<b>2016 - 17</b>
	<b>Electrical Consumption</b>					
(a)	Electricity Purchased	Lakh kWh				
(b)	Self generated	Lakh kWh				
(c)	Total Electricity Consumption (a+b)	Lakh kWh				
(d)	Electricity consumption for street lighting	Lakh kWh				
(e)	Electricity consumption for drinking water pumping	Lakh kWh				
(f)	Electricity consumption for sewage pumping	Lakh kWh				
(g)	Electrical Energy Consumption in Street lightening/total area covered [6 (d) / 5 (i)]	Lakh kWh/km <sup>2</sup>				
(h)	Electrical Energy Consumption in drinking water pumping / Quantity of water supplied /area of coverage [[6 (e) / 5 (iii)] / 5 (ii)]	Lakh kWh / million m <sup>3</sup> /per capita				
(i)	Electrical Energy Consumption in Sewage pumping / Quantity of sewage pumped /area of coverage [[6 (f) / 5 (iv) ] / 5 (ii)]	Lakh kWh/million m <sup>3</sup> /per capita				
7	<b>Achievement of energy savings from implementation of new Energy Efficiency Projects during the year 2014 -17 (The energy savings achieved shall only the projects which have been implemented during 2014-17)</b>					
(a)	<b>Year</b>	<b>Annual Electricity Savings (Lakh kWh)</b>	<b>Any Other</b>			
	<b>2014-15</b>					
	<b>2015-16</b>					
	<b>2016-17</b>					

<b>8</b>		<b>Summary</b>						
		Please summarize the information and data provided in this questionnaire as per the format given below:						
<b>NATIONAL ENERGY CONSERVATION AWARD –2017</b>								
<b><u>MUNICIPALITY</u></b>								
<b>SUMMARY SHEET</b>								
Unit Name .....								
<b>8a. Specific Energy Consumption (SEC) Reduction during the period 2014 - 2017</b>								
<b>(S.No. 6)</b>								
Year	Electrical Energy Consumption in Sewage pumping / Quantity of sewage pumped /area of coverage (Lakh kWh/million m <sup>3</sup> /per capita)	% Reduction over preceeding	Electrical Energy Consumption in Street lightening/total area covered (lakh kWh/km <sup>2</sup> )	% Reduction over preceeding	Electrical Energy Consumption in drinking water pumping / Quantity of water supplied /area of coverage (Lakh kWh/millon m <sup>3</sup> /per capita)	% Reduction over preceeding		
2013 - 2014		--		--		--		
2014 - 2015								
2015 - 2016								
2016 - 2017								
<b>8b.</b>		<b>Absolute Savings</b>						
Elect. Saving (Lakh kWh) in 2014-15	Elect.Consumption (Lakh kWh) in 2013-14	% Elect.Saving (savings achieved/ electricity consumption of preceeding year)	Elect. Saving (Lakh kWh) in 2015-16	Elect.Consumption (Lakh kWh) in 2014-15	% Elect.Saving (savings achieved/ electricity consumption of preceeding year)	Elect. Saving (Lakh kWh) in 2016-17	Elect.Consumption (Lakh kWh) in 2015-16	% Elect.Saving (savings achieved/ electricity consumption of preceeding year)
(i)	(ii)	((i)/(ii))x100	(iii)	(iv)	((iii)/(iv))x 100	(v)	(vi)	((v)/(vi))x100

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 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 - 2017**  
**(MUNICIPALITY)**  
**"Award Questionnaire"**

1	Name of the Municipality				
2	The Sector to which unit's nomination should be considered				
3	Complete address of Municipality location (including Chief Executive'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 2014-2015 to 2016-17 giving energy savings achieved. (please also fill-up the Part II - Annexure for the Energy Conservation Measures implemented during the year 2014-2015 to 2016-17).				
Year of Commissioning of the projects		Project description	Electricity (Lakh kWh)	Total savings (Rs. Lakhs)	Investment incurred on the project (Rs. Lakhs)
		(i) Please list the projects title names which were implemented during the year Please mention the achievement of energy saving against each projects in the suitable columns. (ii)			
2014-15					
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-2016) thereto is correct and complete.

(Signature of the Chief Executive)

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 for the period 2016-17 are enclosed.
2. A brief write up of the Municipality (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](http://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 e-mailed [ecawards.2017@beenet.in](mailto:ecawards.2017@beenet.in), [ecaward17@gmail.com](mailto:ecaward17@gmail.com) and [ecaward2017@rediffmail.com](mailto:ecaward2017@rediffmail.com))

ID to be filled by BEE	Title of the measure		Sector: Municipalities			
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	Electricity (kWh)	Coal (Tonnes)	Gas (Nm <sup>3</sup> )	Oil (kL)	Other	
Energy consumption before						
Energy consumption after						
Energy tariff, Rs/ kWh/ Tonnes/ Nm <sup>3</sup> / kL ...						
Office 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.

<b>NATIONAL ENERGY CONSERVATION AWARD - 2017</b>		
<b>Evaluation criteria -MUNICIPALITY</b>		
<b>S. No.</b>	<b>ITEM</b>	<b>Max 50 marks</b>
<b>1</b>	<b>ENERGY SAVINGS</b>	
i	Electrical Energy savings in lakh kWh for 2014-17	
ii	% cumulative savings in EE for three year (2014-17)	<b>(15 Marks)</b>
<b>2</b>	<b>SPECIFIC ENERGY CONSUMPTION REDUCTION</b>	
i	<b>Specific Electrical Energy Consumption in street lighting (kWh/km<sup>2</sup> street lighted)</b>	
	% SEC reduction during 2014-15 over reference year 2013-14	<b>3 marks</b>
	% SEC reduction during 2015-16 over the year 2014-15	<b>3 marks</b>
	% SEC reduction during 2016-17 over the year (2015-16)	<b>4 marks</b>
ii	<b>Specific Electrical Energy Consumption in drinking water pumping (kWh/million m<sup>3</sup> divided by per capita)</b>	
	% SEC reduction during 2014-15 over reference year 2013-14	<b>3 marks</b>
	% SEC reduction during 2015-16 over the year 2014-15	<b>3 marks</b>
	% SEC reduction during 2016-17 over the year (2015-16)	<b>4 marks</b>
iii	<b>Specific Electrical Energy Consumption in sewage pumping (kWh/million m<sup>3</sup>/ per capita)</b>	
	% SEC reduction during 2014-15 over reference year 2013-14	<b>3 marks</b>
	% SEC reduction during 2015-16 over the year 2014-15	<b>3 marks</b>
	% SEC reduction during 2016-17 over the year (2015-16)	<b>4 marks</b>
<b>3</b>	<b>Specific Energy Consumption Comparisons with the best reported values among the participating municipalities only for street lighting</b>	<b>(5 Marks)</b>

- NOTE:**
1. The above evaluation and weightage criteria is common for all the municipalities. If due to some peculiar characteristics of the participating municipality, 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 municipalities.
  2. The municipalities having negative specific energy consumption shall not be considered for the award
  3. In case it is not feasible to compare SEC with best reported value, 50% of the weightge may be merged with S.No.-2 and the balance 50% with S.No.-1 or as decided by Award Committee
  4. 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 unit onward. Similarly, if the difference between second and third unit 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