

NATIONAL ENERGY CONSERVATION AWARD - 2016

(Electricity Distribution Companies)

Award for Excellence in Energy Conservation and Management

OBJECTIVE

To give national recognition to the selected Electricity Distribution Companies 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 in the form of a Silver Plaque with appropriate citation on such awards. The third prize will be in the form of "Certificate of Merit". The performance of DISCOM would be judged through the questionnaire (format enclosed) which would be evaluated by an Award Committee.

ELIGIBILITY

The scheme is open to all Electricity Distribution Companies.

Note: In case, less than 4 applications are received in this sector, they will be grouped under General Category (Sub sectors of EC award) and be evaluated

Criteria for Judging Merit

- a) Evaluation of the nominations will be based on the Evaluation and Weight age criteria as given in Annexure-A.
- b) The members of the Award Committee or their nominees may visit participating DISCOM for verification of data supplied, if felt necessary and it will be obligatory on the part of the participating DISCOM to provide necessary co-operation.**
- c) 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 Website: www.beeindia.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 DISCOM. The duly filled-in questionnaire should be signed by the Chief Executive of the DISCOM

Submission of nomination:

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, 2016**

Note:

1. Questionnaire can also be downloaded from www.beeindia.gov.in.
2. 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/courier at BEE office address.

(To be submitted by 28th September, 2016)

National Energy Conservation Award-2016
(Electricity Distribution Companies)

“Award Questionnaire”

1	Name of the Electricity Distribution Company with complete postal address.																																	
2	Name of the State/ UT																																	
4.	Chief Executive’s name & designation with mobile, telephone, fax nos. & e-mail.																																	
5	Name, designation, address, mobile, telephone, fax nos. & e-mail of who could be contacted for further details/clarifications																																	
6	Year of Incorporation																																	
7	Electricity Distribution Company Details																																	
	<table border="1"><thead><tr><th>7</th><th>Particulars</th><th>Current completed financial year 2015-16</th><th>Previous completed financial year 2014-15</th></tr></thead><tbody><tr><td>(a)</td><td>Peak Load (MW) recorded</td><td></td><td></td></tr><tr><td>(b)</td><td>Annual Units utilized within licensed area (million units (kWh)/year)</td><td></td><td></td></tr><tr><td>(c)</td><td>Total registered consumers</td><td></td><td></td></tr><tr><td>(d)</td><td>% of consumers supplied at low voltage level</td><td></td><td></td></tr><tr><td>(e)</td><td>Per capita consumption (kWh/consumer)</td><td></td><td></td></tr><tr><td>(f)</td><td>AT&C losses (%) (Note: Please fill attached Form in Annexure – I also for 2015-16 and 2014-15 giving the details of working of AT&C losses)</td><td></td><td></td></tr><tr><td>(g)</td><td>Percentage reduction in AT&C losses compared to previous year (i.e. in 2015-16 as compared to 2014-15)</td><td></td><td style="text-align: center;">-----</td></tr></tbody></table>	7	Particulars	Current completed financial year 2015-16	Previous completed financial year 2014-15	(a)	Peak Load (MW) recorded			(b)	Annual Units utilized within licensed area (million units (kWh)/year)			(c)	Total registered consumers			(d)	% of consumers supplied at low voltage level			(e)	Per capita consumption (kWh/consumer)			(f)	AT&C losses (%) (Note: Please fill attached Form in Annexure – I also for 2015-16 and 2014-15 giving the details of working of AT&C losses)			(g)	Percentage reduction in AT&C losses compared to previous year (i.e. in 2015-16 as compared to 2014-15)		-----	
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8. Annual Energy savings achieved and investment made due to implementation of Energy Efficiency improvement measures

8	**Annual Energy savings achieved and investment made due to implementation of Energy Efficiency improvement measures	Current completed financial year 2015-16	Previous completed financial year 2014-15
8 (a)	Electrical Energy Savings (Million kWh/ year)		
8 (b)	Electrical Energy Savings (Lakh Rs/ year) @ average Rs. Per unit sold (Rs..... per kWh)		
8 (j)	Investment made on energy conservation measures (Lakhs Rs/ year)		

Note: The energy savings achieved to be only the first year annual savings and should not include the savings achieved due to implementation of the projects in the previous years.

9. 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 fill Annexure-II 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		Investment incurred on the project (Rs. Lakhs)
		Electricity, million units	Total savings (Rs. Lakhs)	
2015-16				

Note:

- (i) Please list the projects title names which were implemented during the year 2015-16
- (ii) Please mention the achievement of energy saving against each projects in the suitable columns.
- (iii) Evaluation and weightage criteria is given in Annexure-III

10. Demand Side Management (DSM): Please provide the details for the following:

a) Creation of DSM cell in the Utility: Yes/ No

(In case Yes, copy of the order indicating Creation of DSM cell in the Utility shall be enclosed)

b) Introduction of TOD metering by the Utility: Yes/ No

(In case Yes, Tariff Order of the concerned State Electricity Regulatory Commission (SERC) for introduction of TOD metering by the Utility indicating the date from which TOD metering has been introduced shall be enclosed.)

c) Pilot Project on DSM: Names of Pilot Projects undertaken by the utility on DSM with details shall be furnished. In case of completion of any pilot projects, the benefits achieved shall also be mentioned.

d) Dissemination of information through Conferences / Seminars/ Public Lectures

Pamphlets circulated regarding the same shall be enclosed.

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 and Designation of Chief Executive _____

Organization Seal.....

Date:

Place:

DOCUMENTS ATTACHED: 1. Copies of Certificate pertaining to statutory requirements such as safety for the period 2014 -15 are enclosed.

2. A brief write up of the DISCOM (not more than 3-4 pages) along with photographs depicting equipment / locations where energy efficiency activities have been undertaken and a pen drive containing the same is attached (Sample write-up may be seen at www.beeindia.in)

DETAILS FOR AT&C LOSSES**DISCOM NAME:****ADDRESS :**

Sl.No	. Item	Unit	2014-15	2015-16
1	Self generation	MU		
2	Purchased from CPSU	MU		
3.	Purchased from other utilities	MU		
4.	Total input (UIT) (1 +2 +3)	MU		
5.	Units Traded with other utilities(UT)	MU		
6.	Units utilized within licensed area(UI) (4 - 5)	MU		
7.	Units Billed within utility licensed area(UB)	MU		
8	Amount Billed within utility licensed area (AB)	Rs. crores		
9	Amount realized within utility licensed area (AR)	Rs. crores		
10	Collection efficiency (CE = 100*AR/AB)	%		
11.	Units realized (UR) {(UB x CE(%))/100}	MU		
12	AT&C losses (UI - UR)	MU		
	AT&C losses {1-(UR/UI)}*100	%		

Note : The amount at Sl.No.8 shall not include meter rent, wheeling and other charges and subsidy receivable from State Governments etc.

.....
(Signature of the Chief Executive)

Name and Designation of Chief Executive_____

NATIONAL ENERGY CONSERVATION AWARD – 2016		
Evaluation and weightage criteria – DISCOMS		
Sr. No.	ITEM	Max 50 marks
1	Percentage value of ATC loss in 2015-16	(15 marks)
2	% Reduction in % ATC Losses in 2015-16 over previous year (2014-15)	(12 marks)
3	% Saving in Electrical Energy in million units (kWh)/year in 2015-16 over the previous year's(2014-15) Annual Units utilized within licensed area (million units (kWh)/year)	(15 marks)
4	Demand Side Management: (a) Creation of DSM cell in the Utility, (b) Introduction of TOD metering by the Utility (c) Pilot Project on DSM (d) Dissemination of information through Conferences / Seminars/ Public Lectures	(6 marks)
5	ISO 50001 EnMs Certification	(2 marks)

Note:

- For S.No.1 (**Percentage value of ATC loss in 2015-16**) based on the eligible proposals received, their percentage AT&C losses would be listed. The DISCOM would be awarded marks based on the following formula:

Marks awarded = Max Marks x (Maximum value of % AT&C Loss reported by any participating DISCOM – Concerned DISCOM's %AT&C Loss)/ (Maximum value of % AT&C Loss reported by any participating DISCOM – Minimum value of % AT&C Loss reported by any participating DISCOM s)

Example is as under:

Utility AT&C loss

A 20%

B 15%

C 7%

D 6%

E 26%

Utility Marks

A = $15 \times (26-20)/(26-6)=4.5$

B = $15 \times (26-15)/(26-6)= 8.25$

C = $15 \times (26 -7)/(26-6) = 14.25$

D = $15 \times (26-6)/(26-6)= 15$

E = $15 \times (26-26)/(26-26)= 0$

- For S.No 2 (**% Reduction in % ATC Losses in 2015-16 over previous year (2014-15)**), based on the eligible proposals received, their percentage AT&C losses would be listed. The DISCOM would be awarded marks based on the following formula:

Marks to be awarded to a DISCOM = 12 marks x (DISCOM's percentage ATC loss reduction in 2015-16 over previous year 2014-15)/ (maximum percentage ATC loss reduction reported among the participating DISCOMs)

- For all the evaluation criteria, if the difference between the first and second DISCOM in the particular criteria is more than 10% in the percentage score, then the second best DISCOM will be awarded 20% less marks than that of the first DISCOM and prorata will start from that unit onward. Similarly, if the difference between second and third DISCOM is also found to be more than 10% ,the above methodology will be followed till the completion of the evaluation criteria of all the DISCOMs
- Award Committee reserve the right to modify the Evaluation & Weightage criteria, if the application of the above criteria may not be feasible due to certain peculiar characteristics of the reporting DISCOM, the modified criteria shall be uniformly applied to all the participating DISCOMs.

1.1 A DISCOM having negative Percentage reduction in AT&C losses compared to previous year (i.e. in 2015-16 as compared to 2014-15) shall not be considered for Award

(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 to be e-mailed at ecaward2016@beenet.in, ecaward16@gmail.com and ecaward2016@rediffmail.com)

ID to be filled by BEE	Title of the measure	Sector	
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			
Avg. Energy sales tariff, Rs/kWh			
Plant/ Establishment 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.