

Uttar Pradesh State Energy Conservation Award 2018

Check-lists

Sr. No	Requirement of Supporting Documents	Yes	No	Remark
1	Is Award questionnaire proforma-I filled in all aspects?			
2	Is Award questionnaire proforma-II filled in all aspects ?			
3	Copy of Certificate of ISO 50001 is attached			
4	Write-UP as desired is attached			
5	Month wise summarised details for Electricity & Thermal Consumption is attached			
6	Copy of Certificate received from Supplier or any reputed test lab for Calorific Value of Fuel is attached			
7	Copy of electricity bill is attached			
8	List of officials working in the Energy Efficiency Cell attached			
9	Other Innovative measures implemented for reducing energy consumption is attached			
10	Have you registered on UPSDA website www.upsavesenergy.com & filled relevant details			
11	Whether details of Renewable Energy used ia attached (Solar PV System, Solar Thermal System, Bio Energy System etc.)			

I _____, do hereby declare that the information given in the Award Questionnaire (Uttar Pradesh State Energy Conservation Award-2018) and in the enclosed documents is true to the best of my knowledge & belief and nothing has been concealed therein. I am well aware of the fact that if the information given by us is proved false / not true at any point of time, our application shall be rejected.

Prepared By:

(Signature)
 Name

Designation.....

Mobile No.

Organization Seal

Date:

Approved By:

(Signature)
 Name

Designation.....

Mobile No.

Organization Seal

Place:

Uttar Pradesh State Energy Conservation Award-2018
(Thermal Power Stations)
“Award Questionnaire: Proforma-I”

Sector Name: Thermal Power Plant

Sector Code: TP

1	Name of the Thermal Power Station with complete postal address.	
2	Type of Thermal Power Station (Please mark <input checked="" type="checkbox"/>)	<input type="checkbox"/> Coal / <input type="checkbox"/> Gas/ <input type="checkbox"/> Others (Please specify)
3	Chief Executive's name & designation with mobile, telephone, fax nos. & e-mail.	
4	Name, designation, address, mobile, telephone, fax nos. & e-mail of Certified Energy Manager appointed or designated under EC Act	
5	Energy consumption in metric ton of oil equivalent (MTOE) in the current financial year 2017 -18	
6	Whether ISO 50001 Energy Management System Certified (Yes/No)? If yes, please attach a copy	

Thermal Power Station Design (Coal/ Liquid Fuel/ Mixed Fuel/ Gas/ Biomass Fuel) Details
(TPS of above type to submit Station Design Details information in this table)

Particulars / Design details		Previous completed financial year 2016-17	Current completed financial year 2017 -18
7	i	Capacity of the station (MW)	
	ii	Average Station Gross Heat Rate on GCV basis of the fuel used, (kcal/kWh)	
	iii	Station Net Heat Rate on GCV basis of the fuel used, (kcal/ kWh)	
	iv	Station Auxiliary Power Consumption (%)	
	V	Station Secondary Fuel Oil Consumption (ml/kWh)	

Thermal Power Station Operating Details

(All type of Thermal Power Stations to submit detailed Operating information in this table)

		Annual Operating Parameters	Previous completed financial year 2016-17	Current completed financial year 2017 -18	
8	8.1	Overall Station Generation (Million kWh/year)			
	8.2	Overall Station PLF (%)			
	8.3	8.3.1	<u>Coal/ Biomass Consumption (Million Metric Tonne)</u> (Please specify the name of Fuel used)		
		8.3.2	Overall Station fuel consumption (Coal /Biomass Consumption) (Million Metric Tonne/ year)		
		8.3.3	Average Gross Calorific Value (GCV)of fuel (kcal/kg)		
		8.3.4	Overall Thermal energy used in the station due to the use of above fuel (Billion kcal/ year)		
	8.4	8.4.1	Oil Consumption (kL)(mention FO/ LSHS/ RFO/ Naptha/SHS/HSD/other liquid fuel as applicable)		
		8.4.2	Overall Station Oil Consumption (kL/ year)		
		8.4.3	Average Gross Calorific Value (kcal/Litre or kcal/kg, please specify)		
		8.4.4	Overall Thermal energy used in the station due to the use of above fuel (Billion kcal/ year)		
	8.5	8.5.1	Gas Consumption at STP/NTP (Million Cubic Meter)		
		8.5.2	Gas Pressure (Kg/CM ²)		
		8.5.3	Overall Station Gas Consumption at Specified Pressure (Million Cubic Meter)		
		8.5.4	Average Gross Calorific Value at specified Gas Pressure (kcal/Cubic Meter)		
		8.5.5	Overall Station Gas Consumption at STP/NTP (Million Cubic Meter)		

8	8.5	8.5.6	Average Gross Calorific Value at STP/NTP (kcal/Cubic Meter)		
		8.5.7	Overall Thermal energy used in the station due to the use of above fuel (Billion kcal/ year)		
	8.6	8.6.1	<u>Other fuels used (Please specify- Solid Waste/ Liquid Effluent/ Waste gas/ By product gas/ etc.)</u> – Provide data on similar lines of coal / oil / gas, as applicable.		
		8.6.2	Overall Station fuel Consumption (please specify units_____)		
		8.6.3	Average Gross Calorific Value (please specify units_____)		
		8.6.4	Overall Thermal energy used in the station due to the use of above fuel (Billion kcal/ year)		
	8.7	8.7.1	<u>Gross Heat Rate on GCV basis (kcal/ kWh)</u>		
		8.7.2	Overall Station Gross Heat Rate on GCV basis (kcal/ kWh)		
	8.8	8.8.1	<u>Net Heat Rate on GCV basis (kcal/ kWh)</u>		
		8.8.2	Overall Station Net Heat Rate on GCV basis (kcal/ kWh)		
	8.9	8.9.1	<u>Auxiliary Power Consumption of Gross Energy Generated (%)</u>		
		8.9.2	Overall Station Auxiliary Power Consumption (%)		

Annual Energy savings achieved and investment made due to implementation of Energy Efficiency improvement measures

9	**Annual Energy savings achieved and investment made due to implementation of Energy Efficiency improvement measures		Previous completed financial year 2016-17	Current completed financial year 2017 -18
	9.1	Electrical Energy Savings (Million kWh/ year)		
	9.2	Monetary Saving through Electrical Energy Savings (Lakh Rs/ year)		

9	9.3	Coal Savings (Million Tonnes/ year)		
	9.4	Oil Savings (KL/ year)		
	9.5	Gas Savings (Million M ³ at STP/year)		
	9.6	Other fuel savings (Please specify and also mention units)		
	9.7	Total fuel savings (Million kCal/ year)		
	9.8	Total annual energy saving in MTOE		
	9.9	**Total Monetary Saving through fuel savings (Lakhs Rs/ year)		
	9.1	Total annual energy savings (Lakhs Rs/ year) Sr. no 9.2 + Sr. no. 9.9		
	9.11	Investment made on energy conservation measures (Lakhs Rs/ year)		

10	Details of Innovative energy conservation measures adopted ; if any
11	Details of Renewable Energy used (Solar PV System, Solar Thermal System, Bio Energy System etc.); if any
12	Have you registered on UPSDA website www.upsavesenergy.com & filled relevant details; if YES then please provide User ID along with details

Note: Annual energy savings to be worked out based on the difference in the energy consumption before implementation of the project and energy savings achieved after implementation of the project in the identified area/ equipment in the reference year. The overall energy savings of all the implemented projects to be mentioned in the appropriate column. The energy savings achieved to be only for the year 2016-17 & 2017-18 and should not include the savings achieved due to implementation of the projects in the previous years.

I _____, do hereby declare that the information given in the Award Questionnaire (Uttar Pradesh State Energy Conservation Award-2018) and in the enclosed documents is true to the best of my knowledge & belief and nothing has been concealed therein. I am well aware of the fact that if the information given by us is proved false / not true at any point of time, our application shall be rejected.

Prepared By:

(Signature)
 Name
 Designation.....
 Mobile No.

Organization Seal
 Date:

Approved By:

(Signature)
 Name
 Designation.....
 Mobile No.

Organization Seal
 Place:

**Detailed Information of Energy Efficiency Projects
UTTAR PRADESH STATE ENERGY CONSERVATION AWARD - 2018
" Award Questionnaire : Proforma-II "**

1	Name of the Establishment						
2	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 2017-2018 giving energy savings achieved.						
Energy Conservation projects	Energy Conservation Project description	Achievement of Annual energy savings in 2017-18					Investment incurred on the project (Rs. Lakhs)
		Electrical Energy	Thermal Energy			Total savings (Rs. Lakhs)	
		(Lakh kWh)	FO/HSD (KL)	Gas (lakhs Nm³)	Total Thermal Energy (M kCal)		
	(i) Please list of Energy Efficiency the projects title names which were implemented during the year 2017-18						
	(ii) Please mention the achievement of energy saving against each projects in the suitable columns.						

* Delete or add Thermal Energy as the case may be

I _____, do hereby declare that the information given in the Award Questionnaire (Uttar Pradesh State Energy Conservation Award-2018) and in the enclosed documents is true to the best of my knowledge & belief and nothing has been concealed therein. I am well aware of the fact that if the information given by us is proved false / not true at any point of time, our application shall be rejected.

Prepared By:

Approved By:

(Signature)
Name
Designation.....
Mobile No.

Organization Seal

(Signature)
Name
Designation.....
Mobile No.

Organization Seal

Date:

Place:

DOCUMENTS ATTACHED:

- ** Mandatory Supporting documents
1. For Electricity & Thermal Consumption: Month wise summarised details to be attached
 2. Copy of ISO 50001 Certificate.
 3. Copy of Certificate received from Supplier or any reputed test lab for Calorific Value of Fuel is attached
 4. Relevant documents (other than above mentioned documents; if any) needs to submit.
 5. Short falling of any documents create the causes of disqualification from award 2018.
 6. Details given in Proforma-I (under section Achievement of energy savings from implementation of new Energy Efficiency Projects.) should be same in proforma-II.

UTTAR PRADESH STATE ENERGY CONSERVATION AWARD - 2018

"Write-up"

Dear Participants,

We request you to submit us the following as additional information:

A brief write-up of the unit / establishment in MS Word (not in PDF) in a pen drive/ CD containing the soft copy of the same. The write up can also be sent on upseca.upsda@gmail.com . The write-up to contain the information on Unit Profile, Energy Consumption year wise and Energy Conservation Achievements (highlighting the projects implemented during the year 2017-18), Environment and Safety. Please include the **specific mention of other Innovative measures implemented for reducing energy consumption**. Please also Include Energy management policy declared by the top management of your organization.

Evaluation Strategy**Evaluation methodology**

Sr. No	Evaluation Criterion	Max.100 Marks
1	Station Gross Heat Rate Improvement (% improvement in Station Gross Heat Rate during 2017-18 over 2016-17)	30 marks
2	% AUXILIARY CONSUMPTION REDUCTION [% reduction in Auxiliary Consumption over previous year (2016-17)]	15 marks
3	Comparison of % deviation of Operating Station GHR from the Design GHR Parameters with the best reported deviation values among the participating TPS	10 marks
4	ISO 50001 Certification	10 marks
5	Energy Efficiency Cell	10 marks
	a)One number of Certified Energy Auditor(EA) / Energy Manager(EM)	5 marks
	b)Two professional (including EM/EA)	7 marks
	c)More than two professional (including EM/EA)	10 marks
6	Use of Renewable Energy (Solar PV System, Solar Thermal System, Bio Energy System etc.)	20 marks
I)	Solar PV System	10 marks
	a) Solar PV System capacity in between 75% to 100% of Total connected load	10 marks
	b) Solar PV System capacity in between 50% to 75% of Total connected load	08 marks
	c) Solar PV System capacity in between 25% to 50% of Total connected load	05 marks
	d) Solar PV System capacity less than 25% of Total connected load	02 marks
II)	Solar Thermal System	05 marks
III)	Bio Energy System	05 marks
7	Registration ID on www.upsavesenergy.com & relevant details	05 marks

Note: The above evaluation and weightage criterion is common for all the entities. However, in case of any peculiarity found in the application of above evaluation criteria, the Awards Committee reserves the right to modify the criteria, which shall be uniformly applied to all the entities