

SCHEME ON PROMOTION OF ENERGY AUDIT IN PRIVATE, GOVT., SEMI GOVT., INDUSTRIAL, INSTITUTIONAL, COMMERCIAL BUILDINGS

Govt. of India has enacted the Energy Conservation Act, 2001 with the objective to provide a regulatory frame works for formulation and implementation of Energy Conservation strategies in the country for efficient use of energy. The Govt. of India has appointed Bureau of Energy Efficiency (BEE) as Designated Agency (DA) to coordinate and regulate the enforcement of the said Act at Central level.

The Govt. of Haryana has designated the Department of Renewable Energy as the State Designated Agency (SDA) to coordinate, regulate and enforce the provision of the said Act in the State of Haryana. Haryana Govt. has initiated many new schemes for promotion of Energy Conservation in the State.

The Investment Grade Energy audit in Private, Govt., Semi Govt., industrial, institutional, commercial buildings is one of the activities. The objective of the scheme is to identify areas where excess energy consumption or wastage of energy is taking place. It involves measuring the actual energy consumption of various electrical gadgets used in the plants/ buildings, comparing it with an estimate of the minimum energy required to undertake the process and establishing technically and economically feasible means to achieve the same. & suggest best ways to optimize the energy consumption leading to energy saving and money saving in electricity bills. In some cases it has been observed that only adoption of best practices result in energy saving without any or nominal investment. The energy audit will specify short term, medium term and long term pay back plans depending upon requirement for achieving energy savings. It is advisable to implement the short term pay back plan which results in a recovery of the investment within 2-3 years.

Haryana Govt. shall provide financial incentive for promotion Energy audit in Private, Govt., Semi Govt., Industrial, Institutional, Commercial Buildings for the year 2009-10 for conducting energy audit in their establishments from BEE empanelled ESCOs or BEE certified energy auditors and implementation of energy audit findings. Under the scheme owners of the buildings shall be provided with financial assistance @ 50 % of the investment Grade Energy Audit cost with maximum limit of Rs 50,000/- provided they undertake to implement the energy audit report.

The Owners shall send the duly filled applications form, before and after carrying out the Energy Audit to the Department, through the ADC of the respective district. These applications shall be treated on "first come first basis with the Department. For that the Owner can send the duplicate copy of the applications to the Department of Renewable Energy, Haryana directly.

GUIDELINES FOR IMPLEMENTATION OF SCHEME ENERGY AUDIT IN PRIVATE, GOVT., SEMI GOVT., INDUSTRIAL, INSTITUTIONAL, COMMERCIAL BUILDINGS

1. Objective

The objective of the scheme is to identify areas where excess energy consumption or wastage of energy is taking place. It involves measuring the actual energy consumption of various electrical gadgets used in the plants/ buildings, comparing it with an estimate of the minimum energy required to undertake the process and establishing technically and economically feasible means to achieve the same. & suggest best ways to optimize the energy consumption leading to energy saving and money saving in electricity bills.

2. Eligibility Criteria

All Private, Govt., Semi Govt., industrial, institutional, commercial buildings owners of Haryana will be eligible for the state subsidy.

3. Implementation methodology

Private, Govt., Semi Govt., industrial, institutional, commercial buildings owners want to avail subsidy shall apply to the ADC-cum-CPO of the respective district in the prescribed format (Annexure-I&II) or directly to the Director, HAREDA, Chandigarh. The subsidy will be released in two parts to the consultancy organization/firm. 75% will be released after receipt of draft report and the remaining 25% will be released after acceptance of final report.

4. Financial incentive to the user

Under the scheme owners of the buildings shall be provided with financial assistance @ 50 % of the investment Grade Energy Audit cost with maximum limit of Rs 50,000/- provided they undertake to implement the energy audit report.

5. Monitoring

PO/APO of the concerned district shall give adequate publicity to this scheme, generate proposal and send the same to the Director, HAREDA for approval of the same.

6. Documents to be attached with application form

- i) Attested copies certificate of registration of the unit/ building with address.
- ii) Application with Annexure-1

APPLICATION FORM**FOR THE ENERGY AUDIT OF PRIVATE, GOVT., SEMI GOVT., INDUSTRIAL,
INSTITUTIONAL AND COMMERCIAL BUILDINGS**

1	Name of the building/unit	
2	Complete address of the building/ unit	
3	Name and address of the owner	
4	Telephone No	
5	Fax no and E-mail address	
6	Nature of establishment whether Private, Govt., semi Govt., Industrial, Commercial, Institutional building	
7	Connected Load (KW) or Contract Demand (KVA)	
8	Installed capacity: DG/GG Sets(KVA or KW)	
	a) Annual Electricity Consumption, purchased from Utilities (KWH)	
	b) Annual electricity Consumption, through Diesel Generating (DG)/Gas Generating(GG) Set(s) (kwh)	
	c) Total Annual Electricity Consumption, Utilities + DG/GG Sets(KWH)	
9	Built up area of the building in square mtr.	

Certificate:

It is certified that I am interested to take up the investment Grade Energy Audit of my unit/ building and giving undertaking to implement the energy audit report.

Date.....

Signature of the beneficiary

FORM TO BE SUBMITTED AFTER CARRING OUT INVESTMENT GRADE ENERGY AUDIT

Building Information and Energy Data

Primary Data		Year- 2008-09	
No.	Item	Actual at present	Estimated after implementation of report
1	Connected Load (KW) or Contract Demand (KVA)		
2	Installed capacity: DG/GG Sets(KVA or KW)		
3	a) Annual Electricity Consumption, purchased from Utilities (KWH)		
	b) Annual electricity Consumption, through Diesel Generating (DG)/Gas Generating(GG) Set(s) (kwh)		
	c) Total Annual Electricity Consumption, Utilities + DG/GG Sets(KWH)		
4.	a) Annual cost of electricity, purchased from Utilities(Rs.)		
	b) Annual cost of electricity generated through DG/GG Sets(Rs.)		
	c) Total annual electricity cost, Utilities +DG/GG Sets (Rs.)		
5.	Area of the building (exclude parking, lawn, roads etc.)	a) Built up area (sqm) (Excluding basement area)	
		o Conditioned Area (in sqm)	
		o Conditioned Area (as % of built up area)	
6.	Working hours (e.g. day working/24 hour working)		
7	Working days/week (e.g. 5/6/7 days per week)		
8.	a) Office	Total no. of Employees	
		Average no. of Persons at any time in office during office hours	
9.	a) Installed capacity of Air Conditioning System(TR)		
10.	Installed lighting load (KW) (if available)		
11.	Existing EPI (Energy Performance Index) in KWH/sqm/year Energy includes electricity purchased and generated (Excluding electricity generated from any renewable resources)		
12	Cost of Energy Audit		

I hereby declare that the building is fully occupied by us and all the above furnished information is true in all respect.

Signature of the building owner

Signature of the BEE certified energy auditor
BEE registration no:-

Counter verification by the PO/APO of concerned ADC/CPO Office:

It is certified that the beneficiary has taken up the investment Grade Energy Audit of his unit/ building and also implemented the recommendations of the energy audit report. The Unit/ building have been checked by the undersigned and the beneficiary is eligible for state subsidy of Rs_____.

Signature of Verifying Officer
Name
Designation
Date