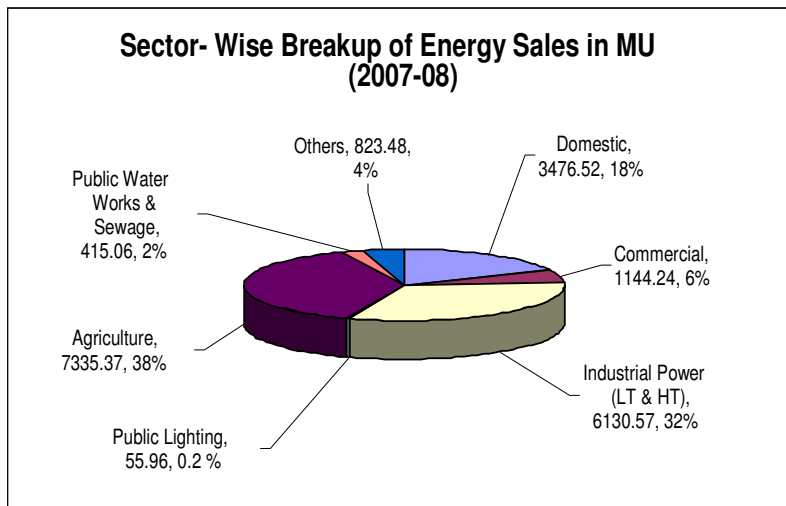


## Energy Audit at A Glance (EAG) Programme for Industrial Sector

### Scheme for Walk-through Energy Audit of Industrial Enterprises in Haryana

#### **Background**

Haryana is one of the most progressive states of the country. It has per capital energy consumption at 784 units annually. Haryana has total installed capacity for generation of power at 5700 MW. As per the assessment study carried out by the National Productivity Council, the State has a deficit of power at 12.6 % and there is a potential of saving of 3.273 billion units of electricity annually in agriculture, commercial, Municipal, Industry & domestic sectors which is about 17% of the total annual energy sold by the utilities.



The Govt. of India has enacted the Energy Conservation Act, 2001 with the objective to provide a regulatory framework for formulation and implementation of energy conservation strategies in the country for efficient use of energy. The Department of Renewable Energy, Haryana is the State Designated Agency to coordinate, regulate and enforce the provisions of the Energy Conservation Act, 2001 in the State of Haryana.

Haryana has a potential of saving of about 500 MW electrical energy by energy conservation and energy efficiency practices.

#### **About HAREDA**

The Haryana Renewable Energy Development Agency (HAREDA) is an autonomous body under the administrative control of the Department of Renewable Energy for effective implementation of various renewable energy and conservation programme. Director, Renewable Energy Department is the ex-officio Director of HAREDA.

#### **Need for Energy Conservation**

Power shortage hampers the economic growth of any state. Energy Conservation is the cheapest, easiest and cleanest way for bridging the gap between demand and supply. It

is estimated that energy conservation projects requires only 1/5<sup>th</sup> investment against for installation of new power project.

**Potential for Energy Conservation:**

Some Studies indicated the following are the potential for energy conservation in various sectors of the state.

Sr. No.	Sector	Conservation potential (%)
1.	Industrial Sector	Up to 25
2.	Agriculture Sector	Up to 30
3.	Domestic Sector	Up to 20
4.	Commercial Sector	Up to 30

**Recommended frequency of Walk through Energy Audit;**

The interval time for conduct and completion of a walk through energy audit shall be two years with effect from date of the report of the first walk through energy audit conducted and completed by Energy Auditor.

**Objective of EAG Program:**

In order to tap above potential for energy conservation, HAREDA believes that walk through energy audit is the first step to identify the areas of potential for energy conservation. The main objective of this programme is to provide technical and financial assistance to eligible organizations for carrying out walk through energy audit at their facilities through BEE certified energy Auditors/ consultants. This is a purely promotional activity initiated by HAREDA.

**Validity of the Program:**

This program is valid for the period 1<sup>st</sup> January, 2010 to 31<sup>st</sup> December, 2013. Director, HAREDA reserves the right for issuing amendments or cancellation of the program without assigning any reason thereof.

**Eligibility Criteria:-**

**Following** types of industries shall be eligible for financial assistance under this programme:-

Sr.No.	Type of Enterprises	Investment in Plant and machinery
1.	Small scale industries	Upto Rs. 5.00 crore
2.	Medium Scale Industries	More than Rs. 5.00 crore and up to Rs. 10.00 crore
3.	Large Scale Industries	More than Rs. 10.00 crore

- The Unit / facility should be situated in Haryana state.
- The Unit/facility should be regular payer of electricity bill.

- Walk through energy audit should be carried out only through BEE certified energy Auditors/ consultants for this programme.
- Any unit which has already availed financial assistance from any Government organization to carry out the walk through energy audit study during the past three years, will not be eligible for this assistance.

**Financial Assistance:-**

Sr.No.	Unit	Industry share (Rs.)	HAREDA financial assistance (Rs.)
1.	Small Scale Industries	1500/-	7500/-
2.	Medium Scale Industries	3000/-	10000/-
3.	Large Scale Industries	5000/-	15000/-

HAREDA shall remit the financial assistance on reimbursement basis to the Energy Auditor /Energy Audit firm on submission of duplicate copy of the walk through Energy Audit Report, an invoice and a certificate from the concerned industry certifying that the walk through Energy Audit has been carried out in their unit and they have paid their share to the Energy Auditor/Energy Audit firm in the prescribed format.

**Procedure for Registration:-**

Documents necessary for registration with HAREDA:-

- The application should be in prescribed format as per the attached Form No.I.
- Copies of energy bills (for all types of fuels) for last 12 months to be attached.
- Copy of Certificate of Registration from any Govt. department to establish its eligibility as small, medium or large industry.
- The unit/facility shall finalize the auditing firm from list of BEE certified energy auditors or any energy audit firm having at least one BEE certified energy auditor consultants and copy of the work order should be forwarded to HAREDA for information.
- After receipt of application for registration, HAREDA shall convey its in principal approval of the proposal and thereafter, the selected Energy Auditor will have to complete the Walk Through Energy Audit within **four weeks** in case of small scale industry, **six weeks** in case of medium scale industry and **eight weeks** in case of large scale industry from the date of approval of HAREDA.
- Delay in submission of **Walk Through Energy Audit Report** will attract penalty @ **1% per week** of the work order value. However, Director, HAREDA may condone the penalty on submission of genuine reasons.

**Procedure for filing the claim for the release of financial assistance**

- The unit/facility shall **submit two copies of final report** in spiral binding format only.
- The unit shall submit the stamped receipt of payment of its share made to Consultant.

- The unit/facility will issue Energy Audit Completion Certificate indicating that the Energy Audit has been completed by the selected Energy Auditor as per **Form no.2**.
- HAREDA official may visit the unit/facility for verification of Walk through energy report findings.
- HAREDA will release the qualified financial assistance to the consultant as per the funds availability.
- Though the data collected by the consultants will be confidential, HAREDA may use the data of the Energy Audit Report for Energy Conservation purposes in any manner as deemed fit by the Director, HAREDA.

### **Call for Registration**

Interested industrial units are invited to register for Walk-through Energy Audit under the Scheme. Registration of industries would be on “**first come first serve basis**”.

For any information or clarifications please contact us at  
Haryana Renewable Energy Development Agency (HAREDA),  
SCO No. 48, Sector-26,  
Chandigarh-160019  
Email: [drehareda@gmail.com](mailto:drehareda@gmail.com), [hareda@chd.nic.in](mailto:hareda@chd.nic.in)  
Web: [hareda@gov.in](http://hareda@gov.in)

**ENERGY AT GLANCE REGISTRATION FORM**

Haryana Renewable Energy Development Agency (HAREDA), SCO No. 48, Sector-26, Chandigarh-160 019 Tele: _____ Email: <a href="mailto:drehareda@gmail.com">drehareda@gmail.com</a> , Web: <a href="http://hareda@gov.in">hareda@gov.in</a>
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<b>Energy Audit At Glance (EAG) for Industry Sector (2010-11)</b> (For Energy Conservation)
Application for Registration for Walk-through Energy Audit (2010-11)
<b>Date of Application :</b>

**Details of Applying Industry**

Name of Applying Industry	M/s
Full Address (for correspondence) & Contact Tele/Fax nos.	
Name of Unit Site Address (Unit to be studied)	M/s
Whether small/medium/large category	
Registration Certificate No. (Pl. attach a copy)	
Details about investment made	<b>Investment in Plant and Machinery (Rs. In lakhs)</b>
Sector /Type of Industry	
Name of Authorized Representative	Mr. Designation:
Tele/Fax/Mobile Nos	
Status of the Industry: (Whether pvt., public, etc.)	
Company Turnover (Rs. In lakhs) of the last financial year	
Number of Employees	
Approximate Floor Area (optional)	
<b>Name of BEE certified energy Auditors/ consultants selected</b>	
BEE Certification No.	

I, \_\_\_\_\_ (Name), \_\_\_\_\_ (Designation), \_\_\_\_\_ (Units name) hereby under take that I have gone through the details of the Energy Audit at a Glance Scheme and hereby give my consent for the walk through Energy Audit of my unit through M/s \_\_\_\_\_. I also agree to pay my unit share as per scheme guidelines. It is further certified that we have not availed financial assistance for the same purposes from any Govt. organization during the past three years.

Signature along with name and seal of  
the authorized representative

(On letter head of the unit)

**Walk Through Energy Audit Completion Certificate**

(To be signed only by Authorized Representative of the unit)

This is to inform you that M/s \_\_\_\_\_ has completed the Walk through energy audit study of our unit as per the guidelines of Energy Audit at Glance Program of HAREDA during the period from ..... to..... We have acknowledged the recommendations given by M/s \_\_\_\_\_ in the audit report and we assure HAREDA that we will implement all the possible measures recommended in Audit Report in due course.

Place:

Date

Name and Signature of the  
Authorized Representative with  
Seal

: