

## **Energy Audit at Glance (EAG) Programme for SME**

### **Scheme for Walk-through Energy Audit of Small and Medium Enterprises in Maharashtra**

#### **Background**

Maharashtra State is the State having largest installed capacity of 21,654 MW (as on 30<sup>th</sup> September, 2009) as compared with any other state in the country. The industrial sector is the largest consumer of electricity in the State consuming 43.4 per cent energy, followed by domestic (22.3 per cent) and agriculture sector (18.2 per cent) of total electricity consumption in the State. The State ranks first and second in installed capacity and generation respectively among the major states.

There are 32,178 number of units under the MIDC area having investment of around Rs. 37,025 crores employing almost 8,20,723 peoples. The Small and Medium Enterprises (SME) form a vital part of the Industrial Sector and represent nearly 40% of the country's GDP. The SMEs account for a large share of energy consumption and energy cost forms a big portion of the total manufacturing cost. Reduction in the energy consumption through efficiency improvement in SMEs could enhance the profitability and cutting edge of the SMEs. At present there are around 1.60 lakhs SME units in Maharashtra

#### **About MEDA**

MEDA is a Government of Maharashtra Undertaking Agency established in the year 1985. MEDA is a 'Nodal Agency' for promotion of renewable energy sources and 'Designated Agency' for implementation of Energy Conservation Act, 2001 in the State of Maharashtra.

The main objectives of MEDA are:

- To promote and develop, Non-conventional, Renewable and Alternate Energy Sources and Technologies
- To assist GOI and GOM in Renewable Energy Programmes
- To install Demonstration Projects
- To pursue Power Projects, based on Renewable Energy
- Rural Electrification through Renewable Energy (remote villages)
- To Implement Energy Conservation Act , 2001 and related schemes

#### **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 1/5th investment against for installation of new power project.

Potential for Energy Conservation:

Some studies indicated the followings 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, MEDA believes that walk through energy audit is the first step to identify the areas of potential for energy conservation. The main objective of this program is to provide technical and financial assistance to eligible organizations for carrying out walk through energy audit at their facilities through our empanelled consultants. This is a purely promotional activity initiated by MEDA.

**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 General, MEDA reserves the right for issuing amendments or cancellation of the program without any reason.

**Eligibility Criteria:-**

Sr. No.	Type of Enterprises	Investment in Plant and Machinery (Rs. In lakhs)	
		Service	Manufacturing
1.	Small and Medium Enterprises	Above 10.00 and upto 500.00	Above 25.00 and upto 1000.00

- The Unit / facility should be situated in Maharashtra state.
- The Unit/ facility should be regular payer of electricity bill
- Walk through energy Audit should be carried out only through MEDA's empanelled consultant for this programme.
- In case of Semi Govt./ Government Undertaking/ Local Self Government Buildings/ Buildings of Urban Local Bodies & Maharashtra Industrial Development Corporation (M.I.D.C.) supporting documents to clarify the undertaking of State/ Central Govt. is necessary.

- If the unit is already availing financial assistance from any Government organisation for carry out the walk through energy audit study then the unit is not eligible for this assistance.

#### **Financial Assistance:-**

<b>Sr. No.</b>	<b>Unit</b>	<b>SME Share (Rs.)</b>	<b>MEDA subsidy (Rs.)</b>
1.	Small and Medium Enterprises	2000/-	3000/-

MEDA shall remit a sum of Rs. 3000/- per walk-through energy audit. No advance payment would be made for the assignment. 100 per cent payment would be released against submission of Assignment Completion Report.

#### **Procedure for Registration:-**

Documents necessary for registration with MEDA:-

- The application should be in prescribed format as per the attached Form No.-I.
- Copies of energy bills for last 12 months
- Copy of Certificate of Registration for being SME
- The unit/facility shall finalize the auditing firm from list of empanelled consultants and copy of the work order should be forwarded to MEDA for information.
- The unit/facility shall submit one copy of final report in spiral binding format only.
- The unit shall submit the stamped receipt of payment of Rs.2000 made to Consultant.
- The unit/ facility will initiate process to implement the medium/long term findings of the audit report. Unit has to submit the undertaking as per Form no. 2.
- MEDA official may visit the unit/facility for verification of Walk through energy audit report findings and implementation of low cost no cost measures and plan implementation of medium/long term findings.
- On successful visit report, the consultant shall raise the invoice for qualified amount on MEDA.
- MEDA will release the qualified financial assistance to the consultant as per the funds availability

#### **Call for Registration of SME**

Interested SMEs are invited to register their names, for FREE Walk-through Energy Audi under the Scheme. Registration of SMEs would be on “first come first served” basis – please register at the earliest.

For any information or clarifications please contact US at  
 Maharashtra Energy Development Agency  
 2<sup>nd</sup> Floor, MHADA Commercial Complex,  
 Opp. Tridal Nagar, Yerwada,  
 Pune – 411006.  
 Email: [econ@mahaurja.com](mailto:econ@mahaurja.com), [eee@mahaurja.com](mailto:eee@mahaurja.com)  
 Web: [www.mahaurja.com](http://www.mahaurja.com)

## EAG REGISTRATION FORM

**The Director,**  
**Maharashtra Energy Development Agency,**  
 2<sup>nd</sup> Floor, MHADA Commercial Complex,  
 Opp. Tridal Nagar, Yerwada, Pune - 411006  
 Tele; 020-26614393/14403. Fax: 020-26615031  
 website: [www.mahaurja.com](http://www.mahaurja.com) e-mail: [eee@mahaurja.com](mailto:eee@mahaurja.com), [econ@mahaurja.com](mailto:econ@mahaurja.com)

**Energy Audit At Glance (EAG) for SMEs (2009-10)**  
 (For Energy Conservation)

Application for Registration for Walk-through Energy Audit for SME (2009-10)

**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 SME Category	Yes / No	
SME Registration Certificate No.		
Details about investment made	<b>Investment in Plant and Machinery (Rs. In lakhs)</b>	
	<b>Service</b>	<b>Manufacturing</b>
Sector Type of Industry		
Senior Management Contact (at Factory Site)	Mr. Designation:	
Tele/Fax/Mobile Nos		
Status of the Industry: (Whether pvt., public, etc.)		
Company Turnover (Rs. in lakhs)		
Number of Employees		
Approximate Floor Area (optional)		

**Product & Processes**

No.	Products/Services

**Other Energy Sources**

Energy/Fuel	Please mark in appropriate box	Unit	Consumption per annum	Cost per annum (Rs.)
Coal				
Lignite				
Fuelwood & Biomass				
High Speed Diesel Oil				
Light Diesel Oil				
Furnace Oil				
LSHS				
LPG				
Natural Gas	<ul style="list-style-type: none"><li>• PNG</li><li>• LNG</li><li>• CNG</li></ul>			
Electric Power				
Captive (DG Set)				

Kindly register our industry for Walk-through Energy Audit under MEDA's **Energy Audit at Glance (EAG) Scheme for SMEs.**

Date: \_\_\_\_\_

\_\_\_\_\_  
(Sign & Seal of Authorised Signatory)

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*(for office use only)*

Date of Receipt : \_\_\_\_\_

Data Entry on : \_\_\_\_\_

Sanction Issued on : \_\_\_\_\_ Vide Ref No: \_\_\_\_\_

WTEA Assigned to : M/s \_\_\_\_\_ Vide Ref No: \_\_\_\_\_

*(On letter head of the unit)*

Encl:-

1.0] Copies of Energy Bill of last 12 Months

2.0] Summary of Energy Bill

**Summary of Energy Bill for Last twelve months:**

<b>Sr. No</b>	<b>Month &amp; Year</b>	<b>Electricity Bill (in Rs.)</b>	<b>Fuel Bill (in Rs.)</b>	<b>Total (in Rs.)</b>
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13	<b>Total</b>			

Signature of authority

Seal of Company

*(On letter head of the unit)*

**Undertaking**

*(To be signed only by Highest Authority of the facility)*

This is to inform you that M/s \_\_\_\_\_ has completed the Walk through energy audit study of our facility as per the guidelines of Energy Audit at Glance Program of MEDA. We are regular payer of the electricity bill. We have not taken the benefit of financial assistance for carrying out Energy Audit from MEDA / any other government unit in last three years. We have acknowledged the recommendations given by M/s \_\_\_\_\_ in the audit report and we assure MEDA that we will implement all the possible low and no cost measures recommended in Audit Report.

Thanking You,

Yours Faithfully

(Signature)  
(Seal)

Place:

Date: