Expression of Interest (EOI)

Empanelment of Energy Audit Firms / Agencies / BEE-Certified Energy Auditor for Conducting Detailed Energy Audit of NISE campus

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1. Introduction

National Institute of Solar Energy invites Expressions of Interest (EOI) from qualified and experienced audit firms/agencies/individuals to get empanelled for carrying out a comprehensive Energy Audit of its facility located at Gwal Pahari, Gurgaon , in accordance with the guidelines, procedures, and reporting framework prescribed by Haryana Renewable Energy Development Agency and the Bureau of Energy Efficiency (BEE), Government of India.

The objective of this engagement is to identify opportunities for improving energy efficiency, reducing energy consumption and operational costs, enhancing sustainability performance, and establishing a roadmap for implementation of energy conservation measures (ECMs).

2. About the Organization

The National Institute of Solar Energy (NISE), a Society registered under the Societies Registration Act, having its office at Gwal Pahari, Faridabad – Gurugram Road, Gurugram, Haryana - 122003, an autonomous institution under the Ministry of New and Renewable Energy (MNRE), represented by its Director General, hereinafter referred to as "NISE"

3. Objectives of the Energy Audit

The Energy Audit shall aim to:

1. Assess current energy consumption patterns across the facility.
2. Establish energy balance and baseline performance indicators.
3. Identify energy losses and inefficiencies.
4. Recommend technically feasible and financially viable Energy Conservation Measures (ECMs).
5. Estimate energy savings potential, implementation costs, and payback periods.

6. Recommend monitoring and verification mechanisms.
7. Support compliance with applicable BEE norms and energy management best practices.

4. Scope of Work

The Energy Auditor/Agency shall undertake, the energy audit as per the scope of work laid down by the HAREDA. It is as provided in the guidelines for implementation of the energy audit scheme in private, government, semi government, industrial and institutional buildings. A copy of the same is enclosed with this EoI.

5. Methodology

The audit shall be conducted in accordance with:

- BEE Energy Audit Guidelines
- Applicable Indian Standards
- Relevant ECBC/industrial energy efficiency norms
- Best industry practices

The consultant shall deploy calibrated instruments and undertake field measurements, monitoring, and data analysis.

6. Deliverables

The selected agency shall provide:

a) Detailed Energy Audit Report including:

- Energy balance
- Baseline consumption analysis
- SEC/EPI calculations
- Identified ECMs
- Savings potential
- Cost-benefit analysis
- Payback calculations
- Implementation roadmap

b) Executive Summary for Management

c) Soft copy and hard copies of the final report
d) Presentation to NISE team.

Time lines: The audit is expected to be completed within 8 weeks from the date of award of contract.

7. Eligibility Criteria

Interested agencies/firms must meet the following criteria:

Mandatory Requirements

a) Lead individual in the audit must possess valid BEE Certified Energy Auditor (CEA) certification.
b) Minimum 2 years of experience in conducting energy audits in the last 5 years.
c) Availability of qualified technical team and diagnostic instruments.
d) If it is a company/firm, it should be legally registered in India.

8. Period of empanelment: 2 years from the date of finalizing the list.

9. Rates for Conduct of Energy Audit:

Based on man-days charges approved by Management Advisory Committee of BEE. Details are provided in the Para B (b) of Annexure A- enclosed.

10. Documents to be Submitted

Interested agencies/company shall submit a proposal with the following details:

a) Company profile (Note: CV in case of individual)
b) Copy of BEE Energy Auditor certification
c) PAN, GST, and registration certificates
d) Details of similar assignments completed
e) Client references/work orders/completion certificates
f) CVs of key personnel's
g) Proposed methodology and work plan
h) Tentative timeline
i) Undertaking that, firm/individual has not been blacklisted in the last 5 years by any Government agency.

11.Evaluation Criteria.

S. No	Parameter	Criteria	Maximum Marks	Supporting Document
1	Number of Energy Audits	2 marks for each audit less than 500 kW. 4 marks for each audit above 500 kW and above.	20 marks.	Soft copy of all energy audit reports
2	Institutional Audits	2 marks for each of the institutional audit.	10 marks.	Soft copy of all energy audit reports
3	Number of Full-time BEE certified Energy Auditors (EAs) working (should be working since last 1 years with firms) with the Energy audit firms/agencies. (attach the BEE Certificate	5 marks each for one number of full time certified auditor.	10 marks	BEE certificate. Offer letter to the auditor.

12. How to Submit. Submit your proposal in the enclosed Interest form with supporting documents to ***consultancy@nise.res.in*** on or before 25 days of the publishing of this advertisement.

Annexure A

Implementation methodology / Procedure for conduct of Energy Audit

A. The consent shall be valid for maximum of six months and may be extended further only once for next six months, on request of applicant with approval of Director DNRE /HAREDA, subject to availability of funds.

B. Hiring of Energy Auditor Services for conducting energy audit and Man-day Charges.

a) Eligibility Criteria for Energy Auditor

(i) BEE empaneled Accredited Energy Auditor Firms / Energy Service Companies (ESCOs) or BEE Certified Energy Auditor firms, having registered office in Haryana / NCR / Chandigarh or Haryana Government Institution/ enterprises having expertise (shall also have at least one BEE Accredited Energy Auditor or BEE Certified Energy Auditor) in conducting the energy audit, are eligible under the proposal (Documentary prove of above to be provided).

(ii) The firm shall not be blacklisted by any Government Department / PSU.

Note:

1. Energy Auditor/ Firm shall have valid TIN number.
2. Firm conducting the energy audit shall have measuring equipments required for conduct of energy audit.

b) Rates for Conduct of Energy Audit: Departments/ Unit Owners who received consent of the Department / HAREDA, shall hire above eligible firms and the firm shall be asked to deploy its energy auditor and / or AEA based on man-days charges approved by Management Advisory Committee of BEE, as communicated vide email dated 30.06.2016 as under:

S. No.	Particulars	Rate (INR) per day
1	Accredited Energy Auditor (AEE)	15,000.00
2	Energy Auditor	6,000.00

Note :Above man-day charges allowed are inclusive of all taxes / service, traveling charges, lodging and boarding charges etc. i.e. inclusive of all and shall be billed accordingly by the firm. The rates may be governed by following conditions:

Maximum number of man-days for Detailed Energy Audit : For conducting detailed energy audit, number of mandays may be decided by concerned unit owner / head intended to conduct energy audit of their building, based on their requirement, load profile & size of the building.

However maximum cap on number of man-days / unit for energy audit, above which no expense shall be allowed are as under:

Sr. No	Connected load / Contract Demand of Building / establishment	Maximum Cap on Man-days / Unit for energy Audit		Max. Cost of Energy Audit / Building inclusive of all taxes (Rs)
		Energy Auditor	Accredited Energy Auditor	
1	From 10 kW upto 30 kW	2	0	12000/-
2	From 31 kW upto 100 kW	5	0	30000/-
3	From 101 kW upto 250 kW	5	2	60000/-
4	From 251 kW upto 500 kW	7	2	72000/-
5	From 501 kW upto 1000 kW	8	3	93000/-
6	Above 1001 kW	9	3	99,000/-

Note:

1. This load does not include diesel generation and connected load as per Discom bill will be considered.
2. Concerned unit headshall invite counter proposal on the above mandays / rates and lowest proposal of eligible firm shall be selected.

Further, Concerned Department / unit head needs to submit attendance of the energy auditor and/or AEA of the firm. One day attendance, only of Energy Auditor may be relaxed, for compensating the energy audit report preparation and energy auditor report hard copy expenses. However Accredited energy auditor charges shall be paid only if the accredited energy auditor of the engaged firm is physically present at the unit/ building for which energy audit is conducted.