

Empanelment of Energy Auditors and Consultants

EMPANELMENT OF ENERGY AUDITORS / CONSULTANTS (2011 – 2012)



CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY
(Deptt. of Energy. Govt. of Chhattisgarh)
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Introduction

Chhattisgarh State Renewable Energy Development Agency (CREDA) incorporated as an agency on 25-05-2001. With the main objectives of promotion of Non-Conventional Energy Sources and Energy Conservation. Work in the field of Non-Conventional Energy Sources and Energy Conservation was started since inception of CREDA and from time to time CREDA has been awarded for major achievement in these field by Govt. of India. Within a short span of nine years CREDA has done pioneering jobs in promoting and popularizing renewable sources of Energy and Energy Conservation. In fact the State of Chhattisgarh has been recognized as Model State in the field of application and promotion of renewable sources of Energy and Energy Conservation in India. The unique approach adopted by CREDA in implementing Village Electrification Programme in far-flung isolated habitats through Solar Photovoltaic (SPV) on sustainable and revenue oriented mode, has been recognized by Ministry of New & Renewable Energy (MNRE) and other international agencies. The other states are being advised by MNRE to follow the path set by CREDA.

Chhattisgarh: Energy Conservation Momentum:-

“As one unit is saved is equal to three generated” CREDA’s emphasis on Energy Conservation has always been very strong. CREDA has and continues to initiate several programmes to promote energy conservation in the State, both at the urban and rural levels. The Energy Audit Subsidy Scheme is launched to help industry to identify and plug energy wastage and budget their energy use to increase profitability. The Energy Conservation Promotion Programme has been an integral part of CREDA’s Agenda. Major portion of energy in commercial forms viz. coal, oil and electricity is consumed by the Industrial sector, potential for energy conservation also exists in commercial buildings like hotels, hospitals etc. as well as in various Govt. buildings. To tap this potential, CREDA has taken up energy conservation in above sectors as one of its major activity.

Industrial Energy Efficiency (EE) Improvement Programme:-

The objective of Energy Audit Study Subsidy Scheme is to help industries to conduct a preliminary Energy Audit Study to identify energy conservation methods, improve energy efficiency and reduce energy costs. CREDA EC Programme creates general awareness and strengthened the energy service sector to a significant extent. CREDA has been maintaining a pool of experienced energy audit consultants and experts spread across the country.

The realization of the fact that a considerable amount of the industrial profit leak out due to poor energy efficiency of the plants and machinery has served as a “eye-opener” in the State industrial sector- both for the private sector and the Govt. CREDA is looking after the implementation of this scheme in the state with the help of registered energy auditors. This scheme has identified a much wider professional role of energy audit consultants and experts.

Implementation of the EC Act in Chhattisgarh.

Achievements in the EC area uphold the agency’s status it has been nominated as the State Designated Agency to function as the nodal focal point to implement the Bureau of Energy Efficiency Programme in the state and got first national award amongst all SDAs in 2009-10. CREDA is implementing the Energy Conservation Act-2001. The basic objectives of the Act are:

- Provide a policy framework and direction to the national energy conservation activities.
- Coordinate policies and programmes on efficient use of energy with the stakeholders.
- Establish systems and procedures to verify measure and monitor EE improvements.
- Leverage multilateral, bilateral and private sector support to implement the EC Act.
- Demonstrate EE delivery systems through public-private partnerships.

Thrust Areas of the E.C. Act:-

1. Energy Efficiency improvement in the industrial sector.
2. Energy Efficiency manuals and codes.
3. Energy Efficiency improvements in buildings & establishments.
4. Energy efficient building codes.
5. Professional certification and accreditation.
6. School education and curriculum change.
7. Standards & Labeling Programme.
8. Demand Side Management in power sector.
9. Energy Efficiency policy research.

Outline of E.C. Activities:-

In the current financial year the agency has outlined several programmes such as:

- Chart an Energy saving Action Plan.
- Spread energy conservation Act awareness to the concerned target groups viz. power producers and suppliers, major consumers, consultants etc.

- Identify designated consumers as defined in the EC Act and create a data base of major industries and industrial groups, manufacturers and suppliers of energy efficient technologies.
- Establish demonstration projects for Energy Conservation.
- Undertake curriculum development projects and organize energy education programme for technical schools, ITIs and for engineering college teachers and students.
- Organize Awareness Generation Programmes for a cross section of energy users, viz. industrialist and executives, energy consultants and auditors, domestic users.

Pooling the Energy Efficiency Human Resource:-

CREDA a designated agency for Chhattisgarh State and has to widen its role and scope of technical support services. CREDA will pool resourceful people who are either actively involved in EC activities or are willing to get involved and deploy them in implementation of EE projects and programmes in the State. Energy consultants and experts therefore, have an important role to play in the implementation of the EC Act. the enactment of the Act has generated ample opportunities for energy consultants to contribute in National EE Drive.

CREDA has a long standing experience in pooling energy expertise from around the country and organizing capacity building/training programmes for energy professionals. To perform the new role as state Designated Agency, CREDA is preparing to enhance its involvement in the energy service sector of the state. CREDA will act as a focal point to organize the available expertise and effectively deploy it in execution of different EE projects and programmes in the State.

Empanelment of Energy Auditors and Consultants:-

CREDA intends to empanel BEE certified or BEE accredited certified energy auditors and consultants during the 2011-2012. The eligibility criteria for registration are given in Encl. 1.

The empaneled “Energy Auditors and Consultants” (EAC) – as they will be termed, will be involved in energy audit ,energy conservation activities and implementation of Energy Audit recommendations in the State, and other responsibilities if any awarded to them.

The empanelment of energy auditors, consultants and experts will be granted in three different categories – Group A , Group B and Group C

Group A:-

The accredited energy auditors/ empanelled consultants by Bureau of Energy Efficiency shall be eligible for empanelment under this category and will be authorized to implement the activities as proposed and ordered by CREDA.

Group B:-

Experienced professionals/experts having registered firm with at least two certified energy auditors, eligible under this category will be authorized to implement the energy audit subsidy scheme as proposed and ordered by CREDA.

Group C

Engineers who do not fulfill eligibility criteria laid down by CREDA under the Group A and group B category but have cleared the BEE examination OF Energy Auditors will be registered under this category will be authorized to implement the energy audit subsidy scheme as proposed and ordered by CREDA.

Consultants registered under these categories may be involved in agency's EE activities related to the implementation of the Act. Inputs may be taken from BEE certified and accredited auditors to plan for various consumer sectors – industries, commercial, domestic and agricultural. Their help may also be required in preparation, project formulation, training and capacity building, monitoring of various projects as and when required.

Activities under annual action plan:-

The annual Action Plan will focus on the following activities:

1. Information Sharing and capacity building:-

CREDA shall organize four Coordination and Interactive Meets annually to discuss and deliberate the action plan of the EC Act implementation.

2. Information Products / Services:-

CREDA may compile and produce directory of Energy Auditors/Consultants with complete details of services and specialty and contact information.

3. Implementing energy conservation activities in Chhattisgarh

Registration Fees

- Individual Rs. 1500/- (Group C) and
- Firm/Companies (Group B) Rs. 2000/-
- Accredited firms (Group C) Rs. 2500/-

The fees will be non-refundable.

The registration fee is payable on approval of the application submitted. Certificate of registration as CREDA approved Energy Auditor/Consultant will be issued by CREDA on approval. Registered Energy Auditors/Consultants will be governed by the terms and conditions given in the Encl.2.

Eligibility Criteria for Registration (for group B & C):-

1. The consultant/consultant firm must possess the basic instruments required for conducting energy audit.
 - Power Analyzer Kit (kVA, kW, kWh, V, A, pf etc)
 - Tachometer.
 - Lux Meter.
 - Flue Gas Analyzer (for Thermal Energy Audit only)
2. The consultant / consultant firm must have the following infrastructure facilities:
 - Office Premises (Permanent office address) with phone / fax.
 - PC System
 - E-mail ID.
3. The firms who are BEE accredited energy auditors or BEE empanelled consultants preferably engaged in base line survey in PAT scheme having at least five certified energy auditors and who have conducted at least twenty five detailed energy audits of the Energy Intensive Industries & buildings shall be empanelled in Group A .
4. Experienced professionals/experts having registered firm with at least two certified energy auditors and who have conducted at least five detailed energy audits of the Energy Intensive Industries & buildings shall be empanelled in Group B.
5. Candidates who have cleared the energy auditor's examination conducted by the Bureau of Energy Efficiency (BEE), but do not fulfill the above criteria and experience will be registered in Group C and may be award the task of energy audit of buildings/industries/utilities which are having low energy consumption.
6. All rights to accept or reject on or all applications wholly or partly are reserved with CREDA and in all cases CREDA's decision will be binding to the applicants. CREDA is not supposed to assign reasons thereof.
7. Consultants who are empanelled in Group A shall be eligible for conducting energy audits of industries & buildings without any limit of annual energy consumption except designated consumers, they shall also be eligible to take part in various tenders floated by CREDA to implement energy conservation activities.
8. Consultants who are empanelled in Group B shall be eligible for conducting energy audits of industries & buildings having medium energy consumption i.e. industries having annual energy consumption upto Rs.75.00lacs and buildings having annual energy consumption upto Rs.25.00lacs.
9. Consultants who are empanelled in Group C shall be eligible for conduction energy audit of industries having annual energy consumption upto Rs.25.00lacs and buildings having annual energy consumption upto Rs.5.00lacs.

Terms & Conditions of Registration:-

1. The registration shall be only valid for operating under CREDA's E.C. Programmes within Chhattisgarh State for specified period up to 31/03/2012 from the date of issuance of Registration Certificate.
2. The registration is subject to yearly review and renewal by CREDA and shall be liable for cancellation in case of non-performance or violation of any of the terms & conditions of registration by the consultant, specified herein.
3. The registered Energy Auditor/ Consultant (EAC) shall have to submit yearly Work Report pertaining to their overall activity, as EAC, including relevant work done by them privately or under any other schemes anywhere in the country.
4. The registered EAC shall be required to conduct at least three Industrial Energy Audit under the Agency's Scheme in a financial year.
5. Motivation and identification of prospective clients/industries will be the sole responsibility of the registered EAC. CREDA shall bear no such responsibility whatsoever.
6. The registered EAC shall be required to monitor and report post audit implementation work in the industry audited by them under the Agency's Scheme. He shall assure atleast 10% saving through implementation of recommendations require zero or low investment.
7. The registered EAC shall abide by the scope of work and the terms & conditions of the Energy Audit Subsidy scheme or other tasks, issued by Agency.
8. The registered EAC shall be required to participate in all the meetings and workshop convened by the Agency, periodically, for reviewing the progress of the programme.

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ENERGY AUDIT CONSULTANTS

PART – A : DETAILS OF APPLICANT.

1. Name of Organization / Individual : _____

2. Category (Please “√” mark at appropriate place)
 - a. Individual / Proprietary
 - b. Public Limited
 - c. Research Institution
 - d) Partnership.
 - e) Private Limited.
 - f) Others (Please specify).
3. Address (Postal) : _____

Pin Code:- _____
Telephone/s (With STD Codes) : _____
Fax No. /E-mail ID. _____
4. Name of the Chief Executive : _____
5. Year of Establishment : _____
6. Professional Membership/s : Registration No. & date
 - (i) PCRA _____
 - (ii) Bureau of Energy Efficiency (BEE) Certification _____
 - (iii) Certificate of accreditation by BEE (PLs. Attach relevant Documents of Proof) _____
 - (iv) certificate BEE empanelled Consultants preferably engaged in base line survey in PAT scheme. (PLs. Attach relevant Documents of Proof) _____
 - (iv) Any other (please specify) _____

7. Details of Collaboration
 (i) Name of Organization Address M/s. _____

 Pin Code: _____
 Contact & Designation _____

(ii) Scope of Collaboration : _____
 (in brief) _____

8. Details of Support Facilities : (Instruments, Lab, Computer, etc)
 (a) Laboratory / Workshop (Attach list of equipment)
 (b) Instruments (Attach list with detailed specification)
 (c) Computer _____
 (d) Others (Please specify) _____

9. Particulars of expertise/specialty :
 (i) Audit Type : Thermal Electrical Both
 (ii) Type of Industry/ies : _____
 (iii) Particular equipment or process : _____

PART B MANPOWER AND EXPERIENCE

1. Table I : Details of Technical Manpower.

S.No.	Name & Designation	Qualification	Experience (Years)	Field of Expertise	Duration of Employment (Yrs)
01.					
02.					
03.					
04.					
05.					

(Attach resume of each of the team member. Use separate sheet, if required)

2. Table II : Projects undertaken during last three years.

S.No.	Area (*)	Sector	Sub-Sector	No. of Projects
01.				
02.				
03.				
04.				
05.				

* - Electrical / Thermal / Both (Use separate sheet, if required)

3. List of major clients of last three years.

S.No.	Name of Client	Contact Person (By Designation)	Contact Nos. (Tele/Fax. No.)
01.			
02.			
03.			
04.			
05.			

(Use separate sheet, if required)

PS: Enclose a copy of Energy Audit Study Report prepared by you

4. Justification of in support of your application:

PART C : GENERAL INFORMATION

1. List of three references (from industries and govt. institutions)

S.No.	Name of Client	Contact Person (By Designation)	Contact Nos. (Tele/Fax. No.)
01.			
02.			
03.			

2. Any additional information in support of your application.

Detail of Document Fee : Rs. _____ D.D. No. _____ Date _____
Detail of Registration Fee : Rs. _____ D.D.No. _____ Date _____

Declaration

The information provided in this form is accurate and true to the best of my knowledge. We agree to the terms & conditions of registration.

Name & Designation of the authorized signatory : _____

Place : _____

(Signature)

Date : _____

(Seal of Organization)