


FORM IV
(Refer regulation 7(2))
Bureau of Energy Efficiency
REGISTER CONTAINING NAMES OF OFFICES AND FIRMS OF ACCREDITED
ENERGY AUDITORS

Serial Number (AEA 0112)		As on (26/11/2013)	
A.			
1	Name of energy auditor	LALIT KUMAR SAHOO	 Photograph of the energy auditor
2	Father's name	BAISNAB CHARAN SAHOO	
3	Date of certification as Energy Auditor	6TH APRIL 2005	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	-	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems" (In case of Certified Energy Auditor, please write CEA Registration No.)	EA- 0879	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	(Not to be submitted at this stage)	
7	Date of issue of accreditation certificate	(to be filled by BEE)	
B. Information in respect of trade name or firms' name			
8	Trade name / firms name under which energy audit is proposed to be conducted	CENTRAL INSTITUTE OF MINING & FUEL RESEARCH	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
10	Type of firm/ private/ Government / NGO etc.	GOVERNMENT	

11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Dr. Amalendu Sinha DIRECTOR, CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, BARWA ROAD, DHANBAD -826015 Phone : 0326-2296023 /2296006 Fax : 0326- 2296025/2205028 Email : dcmrips@yahoo.co.in <u>Nagpur Unit-II</u> Dr S.P.Singh,Officer-in-Charge/ L.K.Sahoo, Scientist- E I Central Institute of Mining & Fuel Research (Energy management Cell) 17/c,Telenkhedi Area,Civil lines Nagpur-440001 Email: cfrinagpurunit@yahoo.com Phone/Fax:0712-2510390,2512190
12	Professional postal address with Pin Code of the accredited energy auditor	Address of certified energy auditor : CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, 17/C TELENKHEDI AREA, CIVIL LINES, NAGPUR – 440001
13	E-mail address	lalitsahoo@yahoo.co.in
14	Telephone numbers . with STD Code (R) (O) Mobile no:	0712-2249005 0712-2510390 9890698588
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	1946
16	Year of commencement of energy audit of the firm	1996
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	ISO-9001-2000
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	5 <u>ROORKEE UNIT</u> Central Institute of Mining & Fuel Research, CBRI Campus, Roorkee-247667 (Uttaranchal) <u>NAGPUR UNIT (I)</u> Central Institute of Mining & Fuel Research, 3rd floor, MECL Building , Ambedkar Bhawan, Seminary Hills, Nagpur-440006 <u>NAGPUR UNIT (II)</u> Central Institute of Mining & Fuel Research, CIMFR Nagpur Unit-II,(Energy management Cell) 17/C Telenkhedi Area, Civil Lines, Nagpur 440001 (Maharashtra)

		<p><u>BILASPUR UNIT</u> Central Institute of Mining & Fuel Research, 27 Kholi Chowk, Post Box No. 41, Bilaspur-495001 (Chattisgarh)</p> <p><u>RANCHI UNIT</u> Central Institute of Mining & Fuel Research, P.O. Namkum, Ranchi -834010 (Jharkhand)</p>
C	Details of Associated Energy Experts	
19	Number of resource persons available	6
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	3
A	Shri L.K.Sahoo, Qualification M.Tech (Energy management) A.M.I.E(Mech)	Senior Scientist & Team leader Certified Energy Auditor, BEE, Govt. Of India
		Area of Expertise Energy Audit, Energy efficiency in pumps and utilities, Energy efficiency studies in commercial buildings and Industrial sectors like power, mining, dairy, solvent extraction
		Experience 13 years of experience in Energy audit of electrical and mechanical system for power plant, textile, mining and dairy etc.
B	Mrs Seema Topno Qualification M.Tech (Energy management) B.Tech (Elect)	Senior Scientist & Certified Energy Auditor, BEE, Govt. of India

		<p>Area of Expertise</p> <p>Energy Audit, Energy efficiency in electrical motors and lightings, Energy efficiency studies in commercial buildings and Industrial sectors like power, mining, dairy, solvent extraction</p>
		<p>Experience</p> <p>12 Years experience in Energy Audit of electrical and thermal system in power plant, dairy and mining etc.</p>
C	<p>Shri D.K.Sakhre</p> <p>Qualification</p> <p>M.Tech (Energy system)</p> <p>B.E.(Mech)</p>	Senior Scientist
		<p>Area of expertise</p> <p>New coal technologies, Refrigeration & Air-conditioning, Energy Audit and energy management</p>
		<p>Experience</p> <p>14 years of experience in Energy audit and new coal technologies</p>
	<p>II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.</p>	3
A	<p>Dr. Shripal Singh,</p> <p>Qualification</p> <p>Ph.D.</p> <p>M.Sc.(Chem.)</p>	Principal scientist , Officer-in-Charge
		<p>Area of expertise</p> <p>Coal characterization, Activated carbon and energy management</p>

		Experience 18 years of experience in handling various coal and energy management projects
B	Mr S.V.Bagul Qualification B.Sc. AIC	Principal Technical Officer
		Area of Expertise Coal Beneficiation, Coal Sampling, Coal Analysis Coal and Energy Audit, Coal conservation
		Experience 28 years of experience in coal and energy
C	U.K.Ghosh Qualification M. Sc. (Environmental Science)	Senior Technical Officer
		Area of expertise Coal characterization, Energy and Environmental management
		Experience 27 years experience in coal and energy
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	Power sector, Textile, Mining, Dairy, Iron & Steel, Solvent extraction
22	Subject wise expertise	Electrical and Thermal energy audit
(a)	Energy audit process system (list sectors) - If no energy audit has been carried out of the process system and parameters, please list nil. Bureau of Energy Efficiency will be calling for detailed information in case agency has listed its energy	Mine transportation Mine excavation Boilers & Power generation Dairy process Solvent extraction

	audit expertise in the process systems	
(b)	Energy audit thermal utility system (list sectors)	Power, Dairy, Solvent Extraction
(c)	Energy audit electrical utility system (list sectors)	Power, Mining, Dairy
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> ❑ LOAD MANAGER –KRYKARD ALM-3 - For measurement of KW,KVA,Power Factor,Voltage,Current,kWh etc. (for both A.C.& D.C ,measurements with printer facility) ❑ ITT-CLAMP ON MULTIMETER - for measurement of KW,KVA,P.F., Voltage & Current (Portable) ❑ LUX METER - for measuring illumination level of factory, indoor/outdoor lighting ❑ DIGITAL TACHOMETER - for measuring speed of Shafts, Motors
	(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> ❑ FLUE GAS ANALYZER - for measuring CO in ppm, % O₂ & Temperature of Flue gases and efficiency ❑ DIGITAL THERMOMETER - for measuring surface temp., liquid temp and inside temp. of furnace/boilers. ❑ THERMO COUPLES & PROBES - Leaf Probe, Immersion Probe, Gas Probe ❑ DIGITAL ANEMOMETER - For measuring speed of Air flow ❑ PH METER - To obtain pH of water. ❑ TDS METER - To obtain total dissolved solids(TDS) in water ❑ THERMO-HYGRO METER - For measuring Relative Humidity & Temp. ❑ ULTRASONIC FLOW METER - FOR measurement of liquid flow ❑ NON CONTACT INFRA –RED THERMOMETER - To measure surface temperature

24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	Workshop on “Energy conservation & Energy efficiency improvement in industry” organized on 28th & 29th January 2010	
(ii)			
(iii)			

D	Remarks(if any)

I hereby state that information furnished above is true and correct to the best of my knowledge.

Place.....

Date:.....

Signature:

Name.....

Designation.....

For and on behalf of **Central Institute of Mining & Fuel Research**
(Note: Responsibility of the authenticity of the above information rests with the
concerned energy auditor/energy auditing agency.)