


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

Serial Number: (AEA- 0262)		As on: (2 nd November 2017)	
A.			
1	Name of energy auditor	Amit Kumar Singh	
2	Father's name	Sh. Kanwar Pal	
3	Date of certification as Energy Auditor	August 2014	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	August 2013	
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 - 18277	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	Certificate No. : 8143	
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	Federation of Indian Chambers of Commerce and Industry (FICCI)	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
10	Type of firm/ private/ Government / NGO etc.	Non-government, Not-for-Profit Apex Industry Association	
11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Name: Amit Kumar Singh (Sr. Asst. Director) M A Patil (Sr. Director) Address: FICCI, Federation house, Tansen Marg, New Delhi-110001 Tel: 011- 23357228; Fax: 011-23359734 Mob: 09811333063 Email: amitsingh.tpower@gmail.com , amit.singh@ficci.com	
12	Professional postal address with Pin Code of the accredited energy auditor	Federation of Indian Chambers of Commerce and Industry (FICCI), Federation house, Tansen Marg, New Delhi-110001	

13	E-mail address	amitsingh.tpower@gmail.com ; amit.singh@ficci.com
14	Telephone numbers . with STD Code (R) / (O) Mobile no:	Tel: 011- 23357228 Mob: 09811333063
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	1927
16	Year of commencement of energy audit of the firm	1998
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Griiha CP (Certified Professional) Supercritical Technology - PMI BEE 3 days training in Fertiliser & Cement sector
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	<p>a. Mr. Akhilesh Mahurkar, Head FICCI Andhra Pradesh & Telangana State Council 8-2-601, Plot# 13, 4th Floor, NNR Arcade, Road No. 10, Banjara Hills, Hyderabad 500 034 Phone: 040- 23395275-76 , Fax: 040- 23395275-76 Email: akhilesh.mahurkar@ficci.com</p> <p>b. Mr. Pankaj Tibak, Head FICCI Gujarat State Council A-311, Safal Pegasus, 100 ft Road, Pralhadnagar, Ahmedabad - 380 015 Telefax: 079-26937581, 26937582, 26937583 Email: gujarat@ficci.com , param@ficci.com</p> <p>c. Mr. Shaju Mangalam Head - FICCI Karnataka State Council VITC Building, 1st Floor, Kasturba Road Bangalore - 560 001 Phone: 080 22861949 Email: shaju.mangalam@ficci.com; karnataka@ficci.com</p> <p>d. Mr. Deepak Mukhi (Head) FICCI Maharashtra State Council Krishnamai Cooperative Housing Society Ltd Ground Floor, Plot No. 33-B, Pochkhanwala Road, Worli , Mumbai - 400 025 Phone: 022-24966633-39, Fax: 022-24966631-32 Email: msc@ficci.com , Deepak.mukhi@ficci.com</p> <p>e. Mr. Atul Sharma FICCI Rajasthan State Council 202, Gravita Tower, A-27-B, Shanti Path, Tilak Nagar, Jaipur - 302 004 Phone: 0141 5116464, Fax: 0141 5116464 Email: atul.sharma@ficci.com</p> <p>f. Mr. Ruban Hobday FICCI Tamil Nadu State Council Hariram Building II, Floor No. 37/6 (Old No. 16/6), College Road Chennai, Tamil Nadu - 600006 Phone: 044- 4284 9614 / 9615 Email: ruban.hobday@ficci.com</p>

C	Details of Associated Energy Experts	
19	Number of resource persons available	Eight - 4 Full time BEE Certified EAs + 4 Part time BEE Certified EAs
20 (I)	Number of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>1. Amit Kumar Singh (EA 18277)</p> <ul style="list-style-type: none"> ▪ B.Tech. in Mechanical Engineering from UPTU, Lucknow in 2009. ▪ Post Graduate Diploma in Power Plant Engg. from National Power training Institute, NPTI. ▪ BEE Certified Energy Auditor. ▪ Overall Professional Work Experience of more than 10 years. ▪ Team Leader in conduction of various energy audit Studies : <ul style="list-style-type: none"> • Energy audit at M/s 270 MW GTPS, IPGCL, New Delhi. • Energy audit at M/s Vedanta Aluminium Ltd., Lanjigarh. • Energy audit at M/s Chennai Petrochemicals Ltd., Chennai. • Investment grade energy audit of IFCI Ltd., New Delhi. • Involved in Energy Audits of Aluminium, Cement, Fertilizer, Thermal Power Plants, Pulp & Paper, Textile, Iron & Steel industries, Petroleum Refineries & Buildings. • Involved in M & V Audit of Aluminium, Pulp & Paper, Fertiliser, Iron & Steel, Cement industries, Petroleum Refineries and Thermal Power Plants. • Involved in Performance Guarantee Test of 660 MW & 300 MW Thermal Power Plants at Karnataka & Chattisgarh. • Involved in PG test of 150 MW Thermal Power Plant at Andhra Pradesh. • Hands on experience in commissioning activities of 810 TPH, 155ksc 540°C corner fired PF Boiler & 250MW single reheat fully condensing Turbine and handling emergencies. • Worked as boiler desk engineer for operation of 810 TPH PF boiler for 250 MW condensing turbine. • Planning, scheduling, estimating and preparing L1,L2,L3 schedules to attain monthly work target for erection & commissioning activities of 1500 MW CAPP. • 12 weeks training on supercritical technology from Power Management Institute (NTPC), Noida. • 660 MW (replica of Doosan make boiler & Russian turbine) simulator training from Power Management Institute (NTPC), Noida. <p>2. M A Patil (30 Years) (EA10204)</p> <ul style="list-style-type: none"> ▪ B.E. (Mechanical Engineering, first class) from Shivaji University, Maharashtra in 1984. ▪ Post Graduation in Energy Management (full time 2 year course during 1986-88, 1st Division) from the training institute of the National Productivity Council at Chennai ▪ Accredited Certified Energy Auditor ▪ Director & Head, Resource Conservation & Management division, Federation of Indian Chambers of Commerce and Industry (FICCI), New Delhi

- Overall Professional Work Experience : 28 years
- Team Leader in conduction of various energy audit Studies :
 - Energy audit at M/s Tata Chemicals, Babrala
 - Energy audit at M/s Chambal Fertilisers, Kota
 - Investment grade energy audit of Central Bank of India (CBI), Kolkata
 - Investment grade energy audit of Indian Association for Cultivation of Science (IACS)
 - Energy audit at M/s NALCO, (Alu refinery) Damanjodi
 - Energy audit at M/s BALCO, Korba, Chattisgarh (Alu Smelter + CPP)
 - Energy audit at M/Sesa Sterlite, Jharsuguda.
 - Involved in Baseline Energy Audit of 27 industries in Aluminium, Cement, Fertiliser & Textiles

3. MN Girish (20 Years) (EA5499)

- Accredited Energy Auditor of BEE
- Additional Director, Resource Conservation & Management, Federation of Indian Chambers of Commerce and Industry (FICCI), New Delhi
- Conducted more than 15 major Energy Audit assignments including BEE Projects like energy audit of industries in Aluminium Sector, Fertilizer, Pulp & Paper, Sugar sector, Chemical industries, Bicycle Manufacturing , Mining, Pharmaceuticals, Commercial Building, Hospitals, Hotels, Lighting system study etc
- Baseline Energy Audit of 27 industries in Aluminium, Cement, Fertiliser & Textiles
- Organized & Designed more than 80 technical conference/seminar/workshop for Energy Conservation
- Actively took part in implementation of three International Projects
 - a. UNIDO project (Ministry of Commerce and Industry)
 - b. CIDA Project for Capacity Building for Energy Manager (Ministry of Power)
 - c. Canadian project for Indian Industrial program for Energy Conservation (Ministry of Power)

4. Pushendra Nayak (12 Years)(EA6581)

- Working as Deputy Director with FICCI, New Delhi
- M.Tech. (Energy Management) from School of Energy & Environmental studies, DAVV, Indore
- B.E. (Mechanical) from Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
- Accredited Energy Auditor (Bureau of Energy Efficiency, Govt. of India)
- Conducted more than 40 Energy Audit, water Audit in industries, commercial buildings.
- Team member for organizing around 4 technical conference/ seminar/ workshop for Energy Conservation
- Adept at performing Energy Efficiency studies & conducting preliminary study and submitting proposal.
- Skilled in submitting the reports with savings potential and techno-economic calculations,
- Worked on air conditioning system designing, solar system designing, green building designing.

20 (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>1. Shashidhar Dhareshwar (Exp-15 Years) (EA2393)</p> <ul style="list-style-type: none"> • M. Tech (Energy Studies), B.E. (Mechanical), BEE Certified Energy Auditor. • National Certification Examination for Energy Auditors conducted by BEE – 2006, EA-2393 • Indian Green Building Council - Accredited Professional (IGBC-AP) • Experience: Energy Audit, CDM and Renewable energy Consultancy: 3-1/2 years <p>2. Govind Patel (Exp-15 Years) (EA 2438)</p> <ul style="list-style-type: none"> • B E Chemical., PDIS, LEED AP (USGBC, USA). • Electrical Energy Audit as per "Gujarat Use of Electrical Energy (Regulation) order, 1999. • Electrical Energy Audit as per criteria and scope of work given in "Order No. GHU / 99 / 31 / GUE / 1196 / 9018 / K1: whereas and in exercise of the powers conferred by clause (a) of sub section (1) read with sub section (2) of section 6 A of the Bombay Electricity (Special Power) Act, 1946" • Thermal Energy Audit for fossil fuel systems. Process audit for manufacturing of electrical insulators. • Lighting Audit and Software Simulation for various manufacturing units of televisions, washing machines, moulding units, refrigerators, canteens. <p>3. Gulzar Singh (Exp-40 Years) (EA1301)</p> <ul style="list-style-type: none"> • Chemical Engineer • Certified Energy Auditor (Bureau of Energy Efficiency, Govt. of India). • Worked in National Fertiliser Ltd for 35 years • Presently involved as Fertiliser sector Expert with FICCI for Energy audits in Fertiliser plants (Tata Chemicals Babrala, Chambal Fertiliser Kota, Zuari Agro Chemicals Goa) • Also involved as Fertiliser sector Expert with FICCI for PAT M&V audits in Fertiliser plants (GSFC Baroda, RCF Chembur) <p>4. R. Paraman</p> <ul style="list-style-type: none"> • <i>B.E. (Electrical)</i> from M.S. University, Baroda. • <i>Professional Development Course in Advanced Energy Auditing</i> from University of Wisconsin, Madison, USA. • Accredited Energy Auditor (Bureau of Energy Efficiency, Govt. of India). • In the field of energy conservation since 1986 in India, Middle East Asia (Gulf), South East Asia, Europe and Africa. • Experience of over 600 Energy Audits, covering Industries, Power Stations and Commercial Buildings. • Has conducted over 100 training programmes on energy conservation for executives from industries in India and abroad.

		<ul style="list-style-type: none"> Resource person for BEE-IREDA project for development of Codes and Best Practice Manuals, PCRA's project for development of Best Practice Manuals and IGDR's project for developing a DSM Plan for Maharashtra.
21	Sectors in which the energy auditor / energy audit firm has conducted energy audits since inception	<p>a) Sectors of FICCI experience in EA where Mr. Amit Kr. Singh was involved:</p> <p>Thermal Power Plant Sector Aluminium Sector, Fertilizer Sector, Cement Sector, Textile Sector, Petroleum Refinery / Oil & Gas Sector, Pulp & Paper Sector, Iron & Steel Sector, Mining Sector, Distribution Companies, Commercial Buildings & Educational Institutions, MSME industries in various sectors IGEA (EA of Municipal Water Pumps)</p> <p>b) Other Sectors of FICCI experience in EA (before joining of Mr. Amit Singh)</p> <p>Cement Sector, Textile Sector, Pulp & Paper Sector, Sugar sector, Chemical industries, Engineering Industries, Mining, Pharmaceuticals, Hospitals, Hotels</p>
22	Subject wise expertise	
(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 audit expertise in the process systems	<p>a) Sectors of FICCI experience in EA where Mr. Amit Kr. Singh was involved :</p> <p>Thermal Power Plant Sector Aluminium Sector, Fertilizer Sector, Cement Sector, Textile Sector, Petroleum Refinery / Oil & Gas Sector, Pulp & Paper Sector, Iron & Steel Sector, Mining Sector, Distribution Companies, Commercial Buildings & Educational Institutions, MSME industries in various sectors IGEA (EA of Municipal Water Pumps)</p> <p>b) Other Sectors of FICCI experience in EA (before joining of Mr. Amit Kr. Singh)</p> <p>Cement Sector, Textile Sector,</p>

			<p>Pulp & Paper Sector, Sugar sector, Chemical industries, Engineering Industries, Mining, Pharmaceuticals, Hospitals, Hotels</p>
(b)	Energy thermal system sectors)	audit utility (list	<p>a) Sectors of FICCI experience in EA where Mr. Amit Kr. Singh was involved: Thermal Power Plant Sector Aluminium Sector, Fertilizer Sector, Cement Sector, Textile Sector, Petroleum Refinery / Oil & Gas Sector, Pulp & Paper Sector, Iron & Steel Sector, Mining Sector, Distribution Companies, Commercial Buildings & Educational Institutions, MSME industries in various sectors IGEA (EA of Municipal Water Pumps)</p> <p>b) Other Sectors of FICCI experience in EA (before joining of Mr. Amit Kr. Singh) Cement Sector, Textile Sector, Pulp & Paper Sector, Sugar sector, Chemical industries, Engineering Industries, Mining, Pharmaceuticals, Hospitals, Hotels</p>
(c)	Energy electrical system sectors)	audit utility (list	<p>a) Sectors of FICCI experience in EA where Mr. Amit Kr. Singh was involved: Thermal Power Plant Sector Aluminium Sector, Fertilizer Sector, Cement Sector, Textile Sector, Petroleum Refinery / Oil & Gas Sector, Pulp & Paper Sector, Iron & Steel Sector, Mining Sector, Distribution Companies, Commercial Buildings & Educational Institutions, MSME industries in various sectors IGEA (EA of Municipal Water Pumps)</p> <p>b) Other Sectors of FICCI experience in EA (before joining of Mr. Amit Kr. Singh) Cement Sector,</p>

		Textile Sector, Pulp & Paper Sector, Sugar sector, Chemical industries, Engineering Industries, Mining, Pharmaceuticals, Hospitals, Hotels
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ol style="list-style-type: none"> 1. ALM 10 (Krycard) and Fluke 345 - 1 Phase Continuous & instantaneous Power Analyser 2. ALM-30 (Krycard)- 3 Phase Continuous & instantaneous Power Analyser 3. Lux Meter (Lutron, Sigma) 4. Water Flowmeter (Fluxus ADM 6725) 5. Clamp Meter (KUSAM Meco) 6. Digital Tachometer (KM 2234 BL) 7. Instantaneous Power Analyser (Nanovip (Krycard))
	(b) Thermal (list the name of the instruments)	<ol style="list-style-type: none"> 8. Flue Gas Analyser (TESTO 330, Germany) 9. Flue Gas Analyser (TESTO 330, Germany) 10. Pressure Meter (COMARK) 11. Digital Thermocouple (Anadig Systems) 12. Pitot tube with digital manometer (Envirotech) 13. Infrared Thermal Imager (Fluke: Ti25) 14. Sling Psychrometer 15. Anemometer (Prova AVM-03, Lutron) 16. Infrared Thermopointer (CE INF100) 17. Portable_Ultrasonic_Flow_meter(Doppler_Type)(Model_DUFX1-F1 Make: Dynasonics).
24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	<p>More than 20 programs conducted in last 3 year in the area of energy efficiency, energy auditing techniques, energy conservation etc. Name of few programs is as below</p> <ol style="list-style-type: none"> 1. Capacity Building of Energy Auditors : FICCI has conducted 9 Nos of 4 day duration training programs to build capacity of energy auditors, including practicing BEE certified auditors & industry energy managers. The programs were held at Chennai, Ahmedabad, Hyderabad, Raipur, Bhopal, Kochi, Chandigarh, Bhubaneshwar, Jaipur). 350 Nos of energy auditors participated. 2. Waste Heat Recovery, New Delhi & Hyderabad. 3. Electrical Utility management, Bangalore. 4. Total Power Quality Management, Goa, Indore, Ludhiana and Madurai. 5. Inhouse Program on Plant Maintenance Summit at Midhani. 6. Industrial Thermal Technology at New Delhi and Chennai. 7. Plant Maintenance Summit at Hyderabad. 8. Electrical Utility Management Jan 2017 at Chennai.


(ii)			
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D	Remarks(if any)
	FICCI is an BEE accredited Energy Auditor Agency and is actively involved in undertaking "Mandatory Energy Audits" for DC industries under PAT Scheme. FICCI is also involved in conducting PAT M&V Audits in various DC industries in various sectors.

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

Place: New Delhi

Date: 03rd Apr 2017

Signature: 
Name: Amit Kumar Singh
Designation: Sr. Asst. Director

For and on behalf of FICCI

(Note: Responsibility of the authenticity of the above information rests with the concerned energy auditor/energy auditing agency.)