

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

Serial Number (AEA-221)		As on 26/6/2015
A.		
1	Name of accredited energy auditor	SUVRA MAJUMDAR
2	Father's name	LATE MANULAL MAJUMDAR
3	Date of certification as Energy Manager	10th August 2007
4	Date of passing the examination in 'Energy Performance Assessment for Equipment and Utility Systems'	April 2006
5	Examination Registration Number of (i) Energy Manager (ii) 'Energy Performance Assessment for Equipment and Utility Systems'	EA- 5723
6	Certificate Registration Number of (i) Energy Manager (ii) 'Energy Performance Assessment for Equipment and Utility Systems'	3434
7.	Date of issue of accreditation certificate	27/07/2015 Vide Ref No. 10/02/ Accred./BEE/14/3134 AEA-0221
B. Information in respect of trade name or firms' name		
8	Trade name / firms name under which energy audit is proposed to be conducted	ENERGY INDIA
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)
10	Type of firm/ private/ Government/ NGO etc	Private [Partnership]



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: TARUN KANTI GUHA DESIGNATION: PARTNER [CEO] ADDRESS: ENERGY INDIA 1, ABDUL HALIM STREET (EARLIER BRITISH INDIA STREET), Main Block, 1st. Floor, Room No. 103 Kolkata-700 069. Ph. (033) 2231 3391; Mobiles: 98301 05553, 87776 94373 E.mail: energy.india1@gmail.com
12	Professional postal address with Pin Code of the accredited energy auditor	Suvra Majumdar Space Ashiyana, Flat No - 3A 3/7 East Mall Road , Kolkata -700080
13	E-mail address	suvra.energyindia@gmail.com
14	Telephone numbers with STD code (R) (O) Mobile No.	033 2231 3391 7008761547 / 87776 94373
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2002
16	Year of commencement of energy audit of the firm	2002
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	ISO 9001:2015 [Certificate No. 10232] ISO 50001 qualified.
18. No. of branch Offices (List of complete addresses including heads of all branch offices with telephone. Fax and email addresses)		There is no branch office. Main Office is in Kolkata. Note: Workshop and Laboratory Address: J. M. Avenue, Sodepur, Kolkata- 700 112, W. Bengal.
C	Details of Associated Energy Experts	
19	Number of resources persons available	14 (Total Team Strength)
20	I. Number of full-time energy auditors in position with work experience of all energy auditors associated with the firm	8

<p>Brief background and Work experience of all energy auditors associated with the firm.</p>	<p>1.</p>	<p>Mr. Tarun Kanti Guha, Partner. CEO & Chief Energy Auditor in Energy India. Mr. Tarun Kanti Guha, Partner & Chief Energy Auditor in Energy India. Qualification: B.E.E (Hons.), PGD in Energy Mgt., Course in Productivity and Management Consultancy & others; BEE Certified Energy Auditor, Certificate regd. No. EA -0768 ; Cell no.: 098301 05553 Work Experience: Total 41 Years of working experience in various capacities in different organizations, namely - 1) W.B. State Electricity Board, 2) Earnst & Young, 3) IISWBM, Kolkata and 4) Energy India, Kolkata. Has long experience and expertise of comprehensive energy auditing and energy management field studies including observations, probing skills, collection and generation of data, in-depth technical knowledge and analytical reporting for plant productivity enhancement and energy conservation in various petroleum refineries, Ordinance Factory Board and different industries. Conducted more than 91 energy audits in WBSEDCL, APDCL, Power Sectors Utilities, Indian Oil Corporation Ltd. Petroleum Refineries, ONGC Ltd., Indian Railways, Indian Ordinance Board, Indian Airports, Steel Industries, Central Glass & Ceramic Research Institute, Refractory Industry, Pharmaceutical Industry, Super-specialty Hospitals, Tea Garden Industries, various other industries, large commercial buildings, and corporates.</p>
	<p>2.</p>	<p>Mr. Asit Pal: Sr. Energy Auditor & Managing Consultant in Energy India. Mr. Asit Pal: Sr. Energy Auditor & Managing Consultant in Energy India. Qualification: AMIE in Mechanical Engineering. BEE Certified Energy Auditor; EA - 2440; Certificate regd. No. 2545. ISO 50001 qualified. Cell no. 08013344763 Work Experience: Served W.B. Power Development Corporation Limited. around 42 years in the thermal power generation wing in various positions and phases like installation, operation and maintenance of WBPDC Thermal power Stations. Attached with ENERGY INDIA since 2008. Mr. Paul is knowledgeable, long experienced, dynamic and go-getter. He has conducted more than 32 energy audits in thermal power stations, steel and other industries, Tea garden Industries, Multispecialty Hospitals, large commercial buildings etc.</p>

	3.	<p>Mr. Dilip Biswas: Sr. Energy Auditor & Managing Consultant in Energy India. Qualification: B.M.E, Boiler Operation Engineer, Certificate Course in Operation Research, P.G. Diploma in Industrial Relations & Personnel Management, Bachelor of Law (LLB), P.G. Diploma in Construction Management. BEE Certified Energy Auditor; EA - 3848; Certificate regd. No. 4562; Work Experience: Served Bengal Enamel Works Ltd., Falta, Ex. Chief Engineer, W. Bengal State Electricity Board, and presently attached with ENERGY INDIA since 2007. Mr. Biswas has diverse knowledgeable and experience not only in mechanical engineering but also in Boiler Operation Engineer, Operation Research, Industrial Relations & Personnel Management, Law (LLB), Project Construction & Management. He is a professional with positive mindset and acts as a mentor in the firm ENERGY INDIA. Conducted more than 28 energy audits in power sector, various industries and corporates.</p>
	4.	<p>Mr. Salil Mitra: Sr. Energy and Auditor in Energy India. Qualification: B.E.E, MBA, Fellow member of Institution of Engineers, India. BEE Certified Energy Auditor; Certificate No.- 5609 ; Certificate regd. No. EA-10302 ; Received various training programs on technological development of oil refinery and management.</p> <ul style="list-style-type: none"> • Training on International safety rating system (ISRS) • Inspection of equipment like LT /HT cables, LT /HT motor, Transformers, HT/LT Switchgears, Bus duct carried out at vendor's shop as per QAP • Inspection of control equipment for heading/ Unheading system of coke chambers at the works of M/S Flow serve, Houston, USA • Training on Energy conservation act and Energy Conservation Building code (ECBC) organized by Government of Assam • Training programme conducted as a course designer for Hazardous area classification, Selection of electrical equipment for classified area, Operation of boiler, turbine, Electrical protection system, Lightning and earthing system Training imparted • Imparted training as a faculty for various training programme like Hazardous area classification, Selection of electrical equipment for classified area, Operation of boiler, turbine, Electrical protection system at various Refineries. • Imparted training as a Faculty at Oman Refinery for protection coordination system through PII for two batches at Oman • Imparted training as a Faculty at Numaligarh Refinery for HT and LT Breakers and protective systems. <p>Work Experience: Joined IOCL in July'1980 as Graduate Engineer Trainee and retired as Chief Engineer in Mar'2012. Served different Indian Oil Refineries in different positions for about 32</p>

		<p>Years.</p> <p>Has expertise of field studies including observations, probing skills, collection and generation of data, depth of technical knowledge and analytical reporting.</p> <p>Mr. Mitra presently attached with ENERGY INDIA since 2022. Conducted 12 energy audits in various Petroleum, industries and Hospitals.</p>
	5.	<p>Mr. Debabrata Khan: Sr. Energy Auditor in Energy India. Qualification: BE (Mechanical), Jadavpur University, India. Registered Professional Engineer in California (M 37283) and Texas Boards (123770), USA. Chartered Engineer (AM099388-6) in Institute of Engineers India.</p> <p>BEE Energy Manager & Auditor (EA-27542), Certificate No.- 9677/19 National Productivity Council, India.</p> <p>Bechtel Certified (B-Cert) Engineer. Member of American Society of Mechanical Engineer & B31.3 local chapter, India.</p> <p>Expertise in pipe stress analysis software i.e. Caesar II, PRG-FE pipe, Smart plant review. (SPR), LICAD, Witch hanger, MS Office and AutoCAD 2000.</p> <p>Work Experience: A passionate mechanical engineer with 20 years of overall industry experience in various plant's mechanical integrity by means of pipe stress analysis, piping layout, hanger design & selection and equipment location plan in oil & gas refinery, Delayed Coker unit, Petrochemicals and combined cycle & Nuclear power plants.</p> <p>Presently attached with ENERGY INDIA since 2019 as associated Energy Auditor. Conducted 8 energy audits in various industries and corporates.</p>
	6.	<p>Mr. Ranjit Yadav: Sr. Associated Energy Auditor in Energy India. Qualification: B.Tech. (Electrical); Chartered Engineer (Institute of Engineers India); BEE Certified Energy Auditor; Certificate No.- 5609 ; Certificate regd. No. EA-10302 ;</p> <p>Advanced training on Metrology and Engineering, Engineering and non-Engineering techniques, Ultrasonic measurement and testing etc.</p> <p>Work Experience: Work experience on various engineering fields since Sep 2000. In specific - Building facility management as per BMS; In association with various star rated products for BEE certification and physical verification of signage. Inspection of power cables, transformers, motors, battery, ACDB panels, etc. Conducted 6 energy audits in association with ENERGY INDIA.</p>
	7.	<p>Mr. Prasun Kumar Chakraborty: Sr. Energy Auditor & Managing Consultant in Energy India.</p> <p>Qualification: B.M.E, Received Thermal Power plant operations training program at United Kingdom under Colombo plan at aegis of British Council in 1991. Presented a paper on Indian</p>

		<p>power Scenario and prospect of CFBC boiler technology in India at Dalhousie University, Canada in 2006.</p> <p>Work Experience: Ex. Director, West Bengal Power Development Corporation, W. Bengal. Visiting Lecturer in Energy management at IISWBM, Kolkata. Successfully implemented Rs. 30 crores dry ash handling project of 1260 MW station keeping the plants operational.</p> <p>Installed a CFBC boiler as pilot project in collaboration with Dalhousie University, Canada had Kolaghat TPS. Organized skill development programs and human resource development.</p> <p>Conducted more than 16 energy audits in power sector, various industries and corporates.</p>
	8.	<p>Mr. Sanjay Das: Manager (Energy & Engineering). Qualification: B.E.E (Year- 2000) and E-Commerce: EL-Net 3L. BEE Certified Energy Manager; Regn No. EA-7220. Work Experience: Proficient in thermal power station boiler operation, running maintenance of boiler and its auxiliaries and trouble shooting. Capable of performance guarantee test of boiler. Conducted more than 11 energy audits in power sector, various industries and corporates.</p>
	9.	<p>Subhajit Bhattacharjee: Manager (Energy & Engineering) in Energy India. Qualification: B. Tech. (Electrical). Work Experience: Completed one year Graduate Apprentice Training in Rifle Factory Ishapore, under Advanced Weapons & Equipment India Ltd. In Energy India organizing and conducting electrical system energy audits, power system testing as per requirement and collect data in respective format. Preparation of report from collected data. Conducted 5 energy audits in Pharmaceutical industry and large commercial buildings.</p>
	10.	<p>Abhijit Ghosh: Trainee (Energy & Engineering) in Energy India. Qualification: B. Tech. (ECE), Diploma in ETCE. Work Experience: In Energy India conducting electrical system energy audits, power system testing as per requirement and collect required data for energy audits. Computation of report from collected data. Conducted 2 energy audits in Pharmaceutical industry and large commercial buildings.</p>
(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	<p>A) Petroleum exploration B) Petroleum Refinery and processing industry; C) Steel industry; D) Engineering Industry; E) Thermal Power Station; F) Tea Processing Industry; F) Plywood Manufacturing Industry.</p>

	audit expertise in the process systems.	
(b)	Energy audit thermal utility system (list sectors)	Oil exploration and pre- processing field; Petroleum Refinery and processing industry Thermal Power station; Steel Industry; Plywood industry; Tea Industry.
(c)	Energy audit electrical utility system (list sectors)	Oil exploration and pre- processing field; Petroleum Refinery and processing industry; Thermal Power Station; Steel Industry; Petroleum Refinery; Oil exploration and pre- processing field; Oil Exploration Drilling Rigs; large commercial Buildings; Hospitals; Plywood industry; Engineering Industries; Plastic Industry; Pharmaceutical Industry etc.
23	Instruments available	
	(a) Electrical (list the name of the instrument) Note: List of Instruments attached. Note: A list of instruments available with ENERGY INDIA is enclosed.	Most of the instruments are available, those are required for electrical system energy audits. 1) 3 Phase Power Analyzers, 2) Single Phase Load Managers, 3) Digital Lux Meters, 4) Analogue Tachometer (Speed Meter), 5) Digital Tachometer (Speed Meter), 6) Stroboscope for speed and velocity measurement. 7) Multi range Ohm Meter, 8) Mili Amp Meter, 9) Air leak Detector 10) Earth insulation Testers 11) Meggars. 12) Protective Relay Testing sets. 13) High voltage testing set. 14) Stop Watch 15) Various other instruments
	(b) Thermal (list the name of the instrument). Note: List of Instruments attached.	1) Flue Gas Analyzer (Combustion Analyzer), 2) Non-Contact Type Temperature Meters, 3) Contact Type Temperature Meters, 4) Infrared Thermometer, 5) Steam Trap Monitor, 6) Pyrometers, 7) Digital Thermo-Hygrometers, 8) Pitot-tube & Inclined Anemometer 9) Anemometer 10) Digital Moisture meter 11) Many other instruments.
24 (i)	Details of training programme/seminars/workshops conducted during the last 3 years in the field of energy	Conducted Training programmes on “Energy Conservation” in Thermal and Electrical Utilities” . Organized seminars and workshops on “Energy Conservation” and “Environment Management”.

	efficiency / energy audit	
(ii)		Training Programme on "Encon opportunities in Tea Industry" at Duncan Industries Ltd. in North Bengal, W. Bengal- in September 2010
(iii)		Training Programme on "Energy Conservation in Rigs and installations" with ONGC officers in Sibsagar, Assam - in Nov'2008

D	Remarks (if any)
	<p>ENERGY INDIA is a professionally managed firm engaged in Energy Audit, Energy Management & Consulting; Environment Management; Power System Designing & Development; Solar Power system designing & implementation; Industrial Safety Audit ..etc. having multidisciplinary team of long experienced engineers, energy auditors & managers, Chartered Accountant and HR personnel.</p> <p>ENERGY INDIA is actively involved in providing above services for various public and private sectors in India since year 2003.</p> <p>We have rendered our services to many Indian industries and corporate of high repute. In Eastern India and other parts, ENERGY INDIA is serving for the cause of energy conservation since year 2003.</p> <p>Energy India has a strong team of long experienced technical personnel for implementation of projects. Those personnel used to keep upgraded and updated with the execution of technological developments.</p> <p>ENERGY INDIA was an accredited Energy Auditor with PCRA, India</p> <p>Secretarial Staff: 2</p> <p>The Engineering Team consists of -</p> <ul style="list-style-type: none"> a) B.E.E (Electrical Engineering) - 3, b) B. Tech. (Electrical Engineering) - 2, c) B.M.E. (Mechanical Engineering) - 3 d) Sr. Supervisor (Electrical) - 1, e) Sr. Electrician - 2, f) Car Driver - 1 g) Semi and Unskilled Technicians - Used to engage from the pool. <p>Major Activities of ENERGY INDIA:</p> <ul style="list-style-type: none"> A) Energy Audit, designing solutions and implementation of energy conservation projects & development projects; B) Power system designing and testing, trouble shooting, reliability enhancement, safety audit and assurance; Power cable route and depth tracing. C) Industrial process instrumentation and automation; D) Environment management & waste control; E) Building Energy & Utility Management Systems audit & implementation; F) Technology support & project management; G) Manufacture and supply of APFC, MCC, ADM, PILC controls etc. H) Renewable energy systems like Solar and Biomass systems etc. I) Management Consulting & Problem solving; J) Human Resource development, industry specific training etc.

Some of valued Clients of ENERGYU INDIA :

1. India Foils Ltd., Kamarhati, W.B
2. IFGL Refractories Ltd., Rourkela, Orissa
3. Hindustan Lever Ltd., Garden Reach, W.B
4. Haldia Development Authority, Haldia, W.B
5. Indo-Ashia Glass Ltd., Ranchi, Jharkhand
6. Tata Metallics Ltd., Kharagpur, W.B
7. Hyderabad Industries Ltd. W.B.
8. The Phoenix Yule Ltd., Kalyani, W.B
9. The Phosphate Co. Ltd., Rishra, W.B
10. India Pottery Ltd., Belghoria W.B
11. Siemens India Ltd, Salt Lake, Kolkata, W.B.
12. Bharat Roll Industries Ltd, Hooghly, W.B.
13. Austenite Heat Treatment Pvt. Ltd, Howrah
14. Cans & Closures Ltd. Dankuni, W.B.
15. Priyanka Plywood Pvt. Ltd. Dankuni, W.B.
16. Exide Industries Ltd. Haldia, W.B.
17. Eastern Chemofarb Ltd, Purulia, W.B.
18. Indian Oil Corporation, Guwahati Refinery. Assam
19. Electrosteel Castings Ltd. Kolkata, W.B.
20. Airport Authority of India, N. S. Bose Airport. Kolka
21. Ambica Jute Ltd, Belur, Howrah, W. B.
22. Defense Ordnance Board, Rifle Factory, Ichhapur, W. Bengal.
23. Uttarayan Township, Siliguri, W. Bengal
24. GeoEnpro Petroleum Limited, Kharsang, Arunachal Prodesh,
25. Alstom Projects India Limited, Durgapur, W. Bengal,
26. Kolaghat Thermal Power Station, WBPDC, W. B.
27. Ruby General Hospital, Kolkata,
28. WEBEL Bhavan, Kolkata,
29. Indian Institution of Engineers, Kolkata.
30. Central Glass & Ceramic Research Institute, Kolkata.
31. Airprt Authority of India, Guwahati Airport,
32. NF Railway, Guwahati, Assam.
33. Oil India Limited, Dhuliajan, Assam.
34. Central Glass & Ceramic Research Institute, Kolkata.
35. Titagarh Steel Limited, Titagarh, W. Bengal,
36. Titagarh Wagons Limited, Hindmotor, W. Bengal,
37. Duncans Industries Limited , Darjeeling and Duars, W. B.
38. Ruby General Hospital Pvt. Ltd. Kolkata
39. Patco Tech India Ltd. Hooghly, W. Bengal.
40. Makaibari Tea Estate, Kursiong, W. Bengal.
41. Sourini Tea Estate, Miric, Darjeeling, B.W
42. JUSCO, a TATA Company, Jamshedpur. Etc.
43. Rourkela Steel Plant (With JUSCO – TATA)
44. Garden Reach Water Works (With JUSCO – TATA)
45. LMJ Group of Companies. Duars, W. Bengal
46. Jute Corporation of India, Kolkata, W. Bengal, etc.
47. Rifle Factory, Ministry of Défense, Govt. of India,
48. Indian Association for Cultivation of Science, Kolkata.
49. Hindustan Storage Ltd, Budge Budge

	<p>50. Collage of Engineering & Management, Kolaghat etc.</p> <p>51. Indian Institute of Engineering Science & Technology, Shibpur,</p> <p>52. Indian Oil Corporation Ltd. Digboi Refinery, Assam.</p> <p>53. Central Institute of Plastics Engg. & Technology, Haldia. W.B.</p> <p>54. Pancham Oil Refinery, Malda, W. Bengal.</p> <p>55. Bank of India, Kolkata, W. Bengal.</p> <p>56. Huldibari Tea Factory, Haldibari, Doors, W. Bengal,</p> <p>57. Bazaloni Group Ltd, Makum, Assam, India.</p> <p>58. Blueray Life Sciences (P) Ltd, Malda, W.Bengal ,</p> <p>59. South Eastern Railway, Kharagpur Division, Kharagpur,</p> <p>60. Punjab National Bank, Kolkata- 700001</p> <p>61. Cordlife Sciences Pvt. Ltd, Kolkata.</p> <p>62. FORTIS Hospital, Kolkkata.</p> <p>63. APEEJAY Houses, Kolkata.</p> <p>64. Bengal Aerotropolis Projects Ltd. Andal Airport, Durgapur.</p> <p>65. Rifle Factory, Ichapur, W. Bengal.</p> <p>66. Sagar Business Pvt. Ltd, Kolkata.</p> <p>67. Leisure n Luxury Hotels & Resorts (P) Ltd. Mandermoni, W. Bengal.</p> <p>68. GE Power India Ltd. Durgapur, W. Bengal.</p> <p>69. HCG EKO Oncology LLP, Kolkata.</p> <p>70. Indus Vally World School, Kolkata.</p> <p>71. Assam Power Distribution Company Limited (APDCL), Assam.</p> <p>72. ST Telemidea Global Data Centres, Kolkata.</p> <p>73. JSW BPSL, Srirampur, W, Bengal.</p> <p>74. Stressanburg Pharmaceuticals Pvt. Ltd, Kolkata</p> <p>75. Blue Dart Limited, Kolkata</p> <p>76. And some other Organizations.....</p>
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I hereby state that information furnished above is true and correct to the best of my knowledge.

Place: Kolkata.

Date: 20.08, 2024

Signature:

Name: Suvra majumder Designation: Sr. Manager

For and on behalf of

ENERGY INDIA

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