


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

Serial Number (AEA-209)		As on 26/6/2015	
A.			
1	Name of accredited energy auditor	Sarobindu Mohanta	
2	Father's name	Sushil Chandra Mohanta	
3	Date of certification as Energy Manager	Energy Manager :01/03/ 2013 Energy Auditor: 06/01/2014 Accredited Energy Auditor (AEA-209): 12/01/2016	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	05/12/2013	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	(i) Energy Manager: EA 15066 (ii) Certified Energy Auditor, CEA Registration No : EA 15066 , Cert No. 7376 (iii) Accredited Energy Auditor (AEA-209)	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	(i) Energy Manager: EA 15066 (ii) Certified Energy Auditor, CEA Registration No: EA 15066 , Cert No. 7376 (iii) Accredited Energy Auditor, BEE, Registration No (AEA-0209)	

7	Date of issue of accreditation certificate	
B.	Information in respect of trade name or firms' name	
8	Trade name / firms name under which energy audit is proposed to be conducted	ECOEN PRIVATE LIMITED At- Plot N0-LIG-114, K-4, Kalinga Vihar, Bhubaneswar Odisha, PIN- 751019 India CIN - U74999OR2021PTC038478 GSTIN-21AAGCE8174L1ZE MSME - Registration No - UDYAM-OD-19-0023352
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)
10	Type of firm/ private/ Government / NGO etc.	Private Limited
11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Sarobindu Mohanta AEA & Senior Energy Expert M- +91 8336906014 Email : mohanta.emts@ecoen.in Himanshu Sekhar Mishra, Director (DIN- 09441959) M- +91 7019683674 Email :- hsm@ecoen.in M/s ECOEN PRIVATE LIMITED Regd Office Address : Plot No-LIG-114, Phase K-4, Kalinga Vihar, Bhubaneswar, Odisha, PIN- 751019 India.
12	Professional postal address with Pin Code of the accredited energy auditor	Regd Office Address: Plot No-LIG-114, Phase K-4, Kalinga Vihar, Bhubaneswar, Odisha, PIN- 751019 India. Contact : +91 8336906014 +91 7019683674
13	E-mail address	mohanta.emts@ecoen.in mohanta.emts@gmail.com hsm@ecoen.in

14	Telephone numbers . with STD Code (R) (O) Mobile no:	- - M: +91 8336906014 +91 7019683674
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	Dec 2021
16	Year of commencement of energy audit of the firm	Jan 2022
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Not yet
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	No branch office yet
C	Details of Associated Energy Experts	
19	Number of resource persons available	Five Nos.
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>1- Sh. Himanshu Sekhar Mishra</p> <ul style="list-style-type: none"> ▪ Certified Energy Auditor - Regn No. – EA0595 / Y'04 ▪ Energy Conservation Techniques Professional certification course by JICA at Japan in Y'2011 ▪ B.E. – Mech., M.Tech : Energy Management. ▪ CII-Certified Facilitator on GreenCo Rating System – (Certificate No: CII/GCRF/005/2022; Issued date: 22 July 2022; Valid till: 22 July 2025) <p>Professional Experience: -</p> <ul style="list-style-type: none"> ▪ 20+ years of Energy Management & Energy auditing experience responsible for implementation of Energy Management systems including identification, planning & monitoring execution of Energy Efficiency & Renewable projects.(from Jan'02 toY'22) ▪ Executed as a member of the Energy Auditing team for more than 50 nos. of Energy Audit at various industrial sectors and Commercial Buildings from 2002-2007. ▪ Conducting Energy Audit in different sectors like

Cement, Iron & Steel, Fertilizers, Pharmaceutical, Textile, Lead-Acid Battery, & Hotels and Hospital.

- Name of few comprehensive Energy Audit at;
 - Gas Authority of India Ltd (GAIL), Pata, UP, TATA Chemicals Ltd., Babral, Chaibasa Cement works with 21 MW CPP, Gagal Cement works, Wadi Cement Works, Ranbaxy Laboratories Ltd., Ropar & Mohali, Usha Martin, Usha alloys & Steel div, Fortis Heart Center Hospital, Mohali, PGIMER Hospital, Chandigarh, Maharishi Balmki Hospital, Delhi, Sterling Add life India P. Ltd. Hospital at 4-locations of Gujarat, HSIL Limited- AGI Glaspac, Bhongir & Hyderabad, AGI Clozure, Isnapur, Kymore cement works...
- 10 years working experience as “designated Energy Manager” under EC Act 2001 & PAT act with ACC Limited (Cement Sector, D.C.– ACC- Chaibasa cement works, ACC – Gagal Cement Works, and ACC-Wadi Cement Works) from Feb’2207 to Dec’2017 in position from Deputy Manager to Chief Manager with Energy & Environment dept. and Incharge -Center of Excellence (Electrical Energy Efficiency).
- Served as DGM – Energy Management (Head – Energy Efficiency dept) with Exide Industries limited, at its corporate Head Office, Kolkata from Y’2017 to 2021 with responsibility for organization’s Power & Fuel Cost reduction drive across Exide groups *Eight Manufacturing units.*

Areas of expertise include:

- Energy Audit of Thermal, Electrical Utilities & Manufacturing process for identification of energy saving measures and renewable energy projects or decarbonisation measures with detail cost benefit analysis & its impact in emission reduction drive i.e. Net Zero Emission strategy as well as energy cost reduction drive for energy intensive manufacturing units and commercial buildings.

2. Sh. Hara Prasad Sahu

- Certified Energy Auditor (Regn. No. EA - 1335)
- BE (Electrical), M. Tech (Energy Mgt.), MBA (Project Management)

Professional Experience: -

- 16+ years of diverse cross-functional experience in Business Development, Planning & Execution of project in Power, Water Utilities, Energy

		<p>Conservation & Energy Audit segment.</p> <ul style="list-style-type: none"> ▪ Conducting Energy Audit in different sectors like Cement, Iron & Steel, Chemical & Fertilizers, Pharmaceutical & Hotels and Hospital. ▪ Name of few comprehensive Energy Audit at; <ul style="list-style-type: none"> - OCL, Jharsuguda, Odisha, Indo Rama Synthetics Limited, Nagpur, Tata Chemicals Babrala, U.P Mahela Migma Limited, Dewas, M.P, Gajra Gears Limited, Dewas, M.P, Sriram Honda Power Products, Halduwani, Uttarkhand, Wild Flower Hall, Shimla, Hotel Oberoi, New Delhi, Ganga Ram Hospital, New Delhi. ▪ Involved in Measurement & Verification Audit at <ul style="list-style-type: none"> - Iron & Steel : - SAIL- Bhilai & Bokaro, - Cement – OCL, Jharsuguda, Jaypee- Rewa & Bela, - Power Plant- IB Thermal, OPGCL- Jharsuguda, Dhwaran Gas Based Power Plant, GSECL- Gujarat. <p>3. Sudip Kumar Dey</p> <ul style="list-style-type: none"> ▪ Certified Energy Auditor (Regn. No. EA – 32620/21) ▪ BE (Electrical), <p>Professional Experience: -</p> <ul style="list-style-type: none"> ▪ +23 years of Sales & Marketing of Switchgear (High Voltage & Low Voltage), Transformer, Motors, Panels etc. and Energy Auditing experience in Industrial & Commercial Building. ▪ Name of few comprehensive Energy Audit at; <ul style="list-style-type: none"> - Sterling Add life India P. Ltd. Hospital at 4- locations of Gujarat, HSIL Limited- AGI Glaspac, Bhongir & Hyderabad, AGI Clozure,-Isnapur, ACC-Kymore cement works. <p>4 - Chiku Ranjan Swain, (Energy Engineer)</p> <ul style="list-style-type: none"> ▪ B.E. – Mech - in Y'2019 from BPUT <p>Professional Experience: -</p> <ul style="list-style-type: none"> ▪ +2- years of Energy Auditing experience in Industrial & Commercial Building. ▪ Name of few comprehensive Energy Audit at; <ul style="list-style-type: none"> - Sterling Add life India P. Ltd. Hospital at 4- locations of Gujarat, HSIL Limited- AGI Glaspac, Bhongir & Hyderabad, AGI Clozure,-Isnapur, ACC-Kymore cement works.
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		<p>5 - Manoj Nayak, (Energy Engineer)</p> <ul style="list-style-type: none"> ▪ B.E. – Elect. - in Y'2017 from BPUT <p>Professional Experience: -</p> <ul style="list-style-type: none"> ▪ +3- years of Energy Auditing experience in Industrial & Commercial Building. ▪ Name of few comprehensive Energy Audit at; <ul style="list-style-type: none"> - Sterling Add life India P. Ltd. Hospital at 4-locations of Gujarat, HSIL Limited- AGI Glaspac, Bhongir & Hyderabad, AGI Clozure,-Isnapur, ACC-Kymore cement works.
<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>		<p>Four Nos.</p> <p>1- Mr. Madhusudan Mohini</p> <ul style="list-style-type: none"> • (A.M.I.E. in Electrical Engg from The Institution of Engineers (India), Kolkata and Post Diploma in Industrial Safety) <p>Professional Experience: -</p> <ul style="list-style-type: none"> • Retired as the Assistant General Manager in SAIL, Rourkela Steel Plant after 34 years continuous service in Steel Authority of India Limited, Rourkela Steel Plant, Rourkela. • Experience in Electrical Maintenance in the area of Steel Melting Shop, Oxygen Plant, Town Engineering and Crane Maintenance. • Holding Electrical Supervisor Certificate of Competency license granted by the Govt. of Odisha. • Carried out Electrical Safety Audit in Tata Steel & TRL Krosaki Ltd and One of the Panel of Experts of NSC-Odisha Chapter for External Safety Audit and involved in Safety Audit of NSPCL, Vedanta Limited, Linde India, Bhusan Power & Steel Ltd, Odisha Power Generation Corporation, HINDALCO, IDL Explosive Ltd, IOCL, TATA Refractory Ltd, TATA BSL , Essar Steel India Ltd, Aarati Steel Ltd. <p>2- Mr. Digambar Panda (B.E.- Mechanical Engineering, Boiler operation Engineering (BOE) from Orissa board, Certified Energy Auditor from Bureau of Energy Efficiency)</p> <p>Professional Experience: -</p> <ul style="list-style-type: none"> • 30 years of experience in Plant Operations, Production Planning, Maintenance, Process Improvement, Resource Optimization, Manpower

		<p>and Energy Management.</p> <ul style="list-style-type: none"> • Worked as V.P.- Works, in Mesco Steels, Jajpur Road as - from August'2012 to January'2020 • Major Achievements- Reduced Gross coke rate of Blast Furnace from 760 kg /Thm to 597kg /Thm by operating on heat Balance mode, implementation of waste heat recovery system. • Enhance the production Capacity of Blast Furnace by optimization of process & blending of Raw materials. <p>3- Mr. Bijay Kumar Panda (B.Tech. Electrical Engineer from REC (NIT), Kurukshetra, DIS from RLI, Kolkata, MBA (HR)) Professional Experience: -</p> <ul style="list-style-type: none"> • 35 Years worked experience as Electrical maintenance Engineer in various capacity in reputed Industries like NALCO, Essar Power, and Sembcorp Energy India. <p>4- Mr. Subash Kumar Sahoo Professional Experience: -</p> <ul style="list-style-type: none"> • 35 years of my professional carrier in Fire and Safety in different Industries in Odisha and outside Odisha including but not limited to Steel, Fertiliser and Chemicals, Cement, Pharmaceutical, Paper and Power sector etc., (Certificate NO SA/06/10-11 issued by DGFASLI) • More than 10 years of teaching /Trainer experience as a guest faculty in/for different Institutes/organisations including but not limited to for PDIS course under SCTEVT, Odisha, For M.Tech. (Industrial Safety Engineering) under BPUT university, National safety Council, Mumbai, and different Industries of Odisha.
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	Glass manufacturing sector, Cement , multispecialty Hospital, Pharmaceuticals, Tea Industry, Beverage Industry, Textile, Port trust, Petroleum, Buildings (Office, Residential, Municipality), Dairy, Chemical, Data Centre, Distillery, Iron & Steel, Leather, Mechanical Workshop & factories (Auto & Railway), Power Generation & Distribution, Industrial Battery ,Steel Forging & rolling, Refinery & Petrochemicals, Thermal Power Plants, Food Processing, Minerals & Metals, Engineering, Industrial gases, Automobile, Engineering OEMs, Mines Minerals,

		Engineering industry, DISCOM.
22	Subject wise expertise	Identify & conduct Energy Efficiency Studies Energy Audits (marketing, conducting, reporting, implementation monitoring) Energy Conservation Products Selection for clients Encon Project Design, Erection, Commission, Maintenance, Monitoring Conduct Workshops & Seminars, Lead Auditor on ISO 50001 from Bureau Veritas Capacity Building of SDA, Distribution Companies,
(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	Tea Processing Industries, Dairy, Engineering industry, Industrial Battery,
(b)	Energy audit thermal utility system (list sectors)	Life sciences (Pharmaceuticals), Tea Industry, Beverage Industry, Marine (Port trust), Dairy, Chemical, Industrial Battery, Cement, Glass
(c)	Energy audit electrical utility system (list sectors)	Automobile, Iron & Steel, Cement, Chemical, Power Generation & Distribution, Refinery & Petrochemicals, Thermal Power Plants, Pharmaceuticals, Tea Industry, Beverage Industry, Glass, Cluster Study in SME, Textile, Petroleum, Buildings (Office, Residential, Municipality), Dairy, Data Centre, Distillery, Leather, Mechanical Workshop & factories (Auto & Railway), Industrial Battery, Steel Forging & rolling, Food Processing, Local Govt. / Utilities, Water pumping, street lights, Hotel, Ship builders, Minerals & Metals, Retail, Water & Waste water, Industrial gases, Jute mill, Plastics, Foundry & refractory, Lamps, Mines & Minerals, Metals, Engineering industry, Industrial Battery,

23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ol style="list-style-type: none"> 1- 3ph 4 wire Power cum Harmonic Analyser 2- Stroboscope
	(b) Thermal (list the name of the instruments)	<ol style="list-style-type: none"> 1- Portable Flue Gas Analyser includes O₂, CO, SO₂, NO sensor modules, Pressure sensor & Thermocouple for Flue Temp. upto 1000 °C. 2- Thermal Imager with MSX and Coaxial Laser Temperature range -13 to 1202°F (-25 to 650°C), 3- Ultrasonic Water Flow Meter for water, with detectors for pipe size 13mm to 1200 mm. 4- Flow meter for compressed air and gases 5- Compressed Air Pressure Meter with data logger 6- Contact type surface temperature Indicator - Make/Model – Testo, Surface Probe Type “K”. 7- Differential Pr. Meter Pocket Digital Pressure Meter, with “S” type pitot tube 8- Vane type Anemometer with 16mm Vane kit, Make/ Model: -TESTO 440. 9- Lux Meter 10-Hygrometer
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	<ol style="list-style-type: none"> 1) Energy Conservation Seminars at Pharma Sector (Cipla, Golden Cross, Torrent Pharma in Sikkim 2) Energy Conservation Seminars/ Workshops at Engineering institutes (NIT Durgapur, Heritage institute of Technology, Tecnho India Engineering College, Kolkata IIT Kharagpur 3) 6 nos Tea Sector seminars for SDA, Assam and Dooars region. 4) Many training programs for DISCOM Power Engineers & Industries along with SDA’s (WB, Assam ,Tripura, Sikkim) 5) Nos of Seminars for Industry Associations, Chamber of Commerce, (CII, BCCI,NPC,HCCI,HCC etc) 6) Workshop for tea sector by SDA WB at Siliguri
(ii)	Institutional Training Programme	Energy Conservation workshops for Small Scale industries under Jamshedpur Utilities & Services Co Ltd

		(JUSCO),
(iii)	Workshop on ECBC	For stake holders of ECBC at Guwahati (by SDA, Assam)
(iv)	Walk through Audits	One day Walk through Audits conducted in 10-11 for Small Scale industries under Jamshedpur Utilities & Services Co Ltd (JUSCO)
(v)	Cluster Development Programmes	With APITCO for Fabrication industries at Rourkela With DIC Howrah for Foundry association at Howrah With JUSCO for Auto ancillary cluster at AIDA, Jamshedpur

D	Remarks(if any)

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