

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

Serial Number: (AEA- 287)		As on: (09/05/2018)	
A.			
1	Name of accredited energy auditor	Mr. KAMLESHKUMAR B. SANGANI	
2	Father's name	Mr. BHAGVANJIBHAI J. SANGANI	
3	Date of certification as Energy Manager	Energy Auditor -17 & 18 November, 2007. Certificate Received on 18th February 2008	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	Energy Auditor -17 & 18 November, 2007. Certificate Received on 18th February 2008	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-8840 EA-8840	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-8840	
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	Darshan Institute of Engineering and Technology- Rajkot	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
10	Type of firm/ private/ Government / NGO etc.	Registered Under Charitable Trust	
11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Contact person	Mr. K. R. Siddhpura Mr. Kamleshkumar B. Sangani
		Designation	Mr. K. R. Siddhpura (CEO) Mr. Kamleshkumar B. Sangani



			(Energy Audit Consultant) Energy Management Cell
		Address	Darshan Institute of Engineering and Technology, At Hadala, Rajkot – Morbi Highway, Nr. Water Sump, Rajkot – 363650
		Contact No	(O): +91 9265238683/ +91 2822293023 (M): +91 9825195502 (Fax): +91 2822 293008
		e-mail	kamleshsanganisir@gmail.com kbs_sangani@yahoo.co.in
12	Professional postal address with Pin Code of the accredited energy auditor	KAMLESHKUMAR B. SANGANI, 126, Chandra Park Society- 1, Street No. 9, Near: Big Bazaar, 150 Feet Ring Road, Rajkot-360005. Gujarat (India)	
13	E-mail address	kamleshsanganisir@gmail.com kbs_sangani@yahoo.co.in	
14	Telephone numbers. with STD Code (R) (O) Mobile no:	(R): +91 9428230312 (O): +91 9265238683 (M): +91 9825195502	
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2009	
16	Year of commencement of energy audit of the firm	2009	
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Electrical Contractor	Government of Gujarat
		Energy Auditor	Government of Gujarat
		Energy Audit Consultant	Gujarat Energy Development Agency (GEDA)
		NGOs / Non-Profit Organizations	MNRE (Ministry of New and Renewable Energy), Government of India
		Quality Management System ISO 9001:2008	
18	No. of branch offices	No other branches	

	(List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	
C	Details of Associated Energy Experts	
19	Number of resource persons available	20 (Twenty Only)
	I. Number of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>ONE Name – Mr. Kamleshkumar B. Sangani (EA-8840) Qualification – M. E. Mechanical- Heat Power, B. E. (Mechanical), M.B.A.-Marketing, Boiler Proficiency Engineer (BOE) Experience – 5 years Industrial Experience the field of Utilities and power plant With various industries such as Petrofils co-operative limited, Nirma, Searchchem Industries. More than 16 years as an academician in Engineering Institution, More than 7 years experience as an Energy Auditor and consultant. More than 7 years Technical training experience with various well known industries such as Reliance, Essar Oil, Essar Power, IFFCO, etc. Sectors – Thermal and Heat Recovery System and Mechanical System, Thermal Power Plant, Chemical Process Plant, Aluminum Plant, Textile Plant, Foundry Industry, Zinc Ingots Manufacturer, Paper Mill, Ceramic Industry, Brass Parts Industry, Processed Food Industry Polypropylene (PP) Box Straps Manufacturer, Packaging box, Electrical Accessory Manufacturer, Engine Valves & Spares Manufacturer, Government (Offices, Engineering College, University etc.), Banking Sector (National, Co-operative etc.), Engineering Association etc.</p>
19	II. Number of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>ONE Name – Mr. K. R. Siddhapura (AEA – 0252, EA – 7189) Qualification – M. Tech. (PAED – IIT Roorkee), B. E. (Electrical – SVNIT Surat) Experience – 6 years as Energy Auditor. Conducted more than 50 detailed energy audits, 30 Thermography, 10 power quality audit and More than 16 years as Professor in Engineering Institution Sectors - Foundry Industry, Cement Industry, Zinc Ingots Manufacturer, Paper Mill, Ceramic Industry, Indian Railway (Western Region), PV Solar Power Plant, Gas Based Heat Pump Technology, Brass Parts Industry, Processed Food Industry Polypropylene (PP) Box Straps Manufacturer, Packaging box, labels, stickers, tags Manufacturer, Electrical Accessory Manufacturer, Engine Valves & Spares Manufacturer, Government (Offices, Engineering College, University etc.), Health Care (Civil Hospital, Multispecialty Hospital etc.), Banking Sector</p>

		(National, Co-operative etc.), Engineering Association etc.
20	Number of part time energy auditors in position with work experience of all energy auditors associated with the firm	NIL
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	Cellulose Industry, Foundry Industry, Cement Industry, Zinc Ingots Manufacturer, Paper Mill, Ceramic Industry, Indian Railway (Western Region), PV Solar Power Plant, Gas Based Heat Pump Technology, Brass Parts Industry, Processed Food Industry Polypropylene (PP) Box Straps Manufacturer, Packaging box, labels, stickers, tags Manufacturer, Electrical Accessory Manufacturer, Engine Valves & Spares Manufacturer, Government (Offices, Engineering College, University etc.), Health Care (Civil Hospital, Multispecialty Hospital etc.), Banking Sector (National, Co-operative etc.), Engineering Association etc.
22	Subject wise expertise	<p>Investigative Expertise - Energy Audit, Energy Conservation, Energy Management.</p> <p>Equipment Failure Analysis - Electric Motors, Electric Generators, Refrigeration, Compressor, Electrical Furnaces.</p> <p>Electrical Measurements & Design - Voltage, Current, Power Factor, kW, kVAR, kVA, Maximum Demand, Transients, THD.</p> <p>Safety Audit - Electrical and Static Electricity Hazards in Plant.</p> <p>Thermal Imaging - Transmission Line, Generator, Electric Motor, Transformers, Switchgear, UPS, Mechanical Coupling, Solar Panels, Thermal Utilities.</p> <p>PV Solar Power Plant EPC - Detailed planning, design, execution and power quality monitoring of the solar power plant.</p> <p>Electrical Earthing System Design - Detailed planning, design and execution of earthing system. 3-Pole, 4-Pole, 2 clamps earth resistance measurement. Soil resistivity measurement.</p> <p>Pump Testing - Efficiency measurement of pumping installation</p> <p>Flue Gas Analysis - Determination of the completeness of the combustion of the carbon in the fuel.</p> <p>Electrical Design & Drafting - Building Electrical Wiring, Electrical Lighting Design, Motor Panel Design.</p>
(a)	Energy audit process system (list	Cellulosic Plant

	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	
, (b)	Energy audit thermal utility system (list sectors)	Thermal Power Plant, Aluminum plant, Cellulosic Plant, Casting Industries, Ceramic Industries, Paper Industry, Plastic Industry, Foundry Industry (Investment Casting, CI, Sand Casting etc.), Ceramic Industry, Processed Food Manufacturer, Boilers, Thermic Fluid Heater, Air Compressors, Blowers, Pumps, Flue Gas analysis, Combustion Optimization, Cooling Towers etc.
(c)	Energy audit electrical utility system (list sectors)	Thermal Power Plant, Aluminum plant, Cellulosic Plant, Casting Industries, Ceramic Industries Foundry Industry, Cement Industry, Zinc Ingots Manufacturer, Paper Mill, Ceramic Industry, Indian Railway (Western Region), PV Solar Power Plant, Gas Based Heat Pump Technology, Brass Parts Industry, Processed Food Industry Polypropylene (PP) Box Straps Manufacturer, Packaging box, labels, stickers, tags Manufacturer, Electrical Accessory Manufacturer, Engine Valves & Spares Manufacturer, Government (Offices, Engineering College, University etc.), Health Care (Civil Hospital, Multispecialty Hospital etc.), Banking Sector (National, Co-operative etc.), Engineering Association , Hotels, resorts etc.
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> • Power Analyzer (Model: CA 83323) - Chauvin-Arnoux – 1 No. • Power Analyzer (Model: ALM32) - KryKard – 1 No. • True RMS Handheld DMM (Model: U1231A) – Agilent – 1 No. • True RMS Clamp Meter (Model: 376) – Fluke – 1 No. • Digital Multimeter – Meco – 5 Nos. • True RMS Digital Clamp On Meter (AC/DC) - Meco – 1 No. • Digital Clamp on Meter (Model: 3600) – Meco – 1 No. • Digital Clamp on Meter (Model: 72(T)) – Meco – 1 No. • Digital Clamp on Meter (Model: 2775) – 2 Nos. • Earth Resistivity Tester (Model: CA 6471) - Chauvin-Arnoux – 1 No. • Analog Earth Tester – Nippen – 1 No. • Analog Insulation Tester – Nippen – 1 No. • Digital Insulation Tester – Meco – 1 No.

		<ul style="list-style-type: none"> • High Voltage Probe – 2 Nso. • Digital Lux Meter (Model: MS6610) – Vartech – 1 No. • Anemometer With Rotating Vane (Model: AM-4222) – Lutron – 1 No. • Digital Tachometer (Photo Type) - Meco – 1 No. • Digital Tachometer (Contact Type) Meco – 1 No. • Digital Solar Meter – 1 No. 	
	(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> • Flue Gas Analyzer – testo (Model: TESTO 350)– 1 No. • Ultrasonic Flow Meter (Model: 93T Portable) - Endress + Hauser – 1 No. • Thermal Imager (Model: TI32) – Fluke – 1 No. • Infrared Thermometer (Model: MS6530) – Mastech – 1 No. • Thermometer Pen Type Multistep (Model: ST-9263A/B/C) – 1 No. • Pitot Static Tube Apparatus With Manometer – Kmeco – 1 No. 	
24	Details of training program/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit		
(i)	1 Day Technical Training Workshop (Smart Grid)	Expert Trainer & Speaker	School of Diploma Studies, R. K. University, Rajkot.
(ii)	BEE Certified Energy Auditor & Energy Manager Gujarat State Meet. (Do you think that energy audit means focus on the energy conservation in individual machine?)	Speaker	Sponsored by: Gujarat Energy Development Agency Organized by : National Productivity Council
(iii)	GEDA Sponsored 1 day EC awareness workshop for engineering colleges in Gujarat (Energy Conservation, Energy Scenario, Systems Approach, Energy Audit and EC Opportunities in Motors, Lighting, Pumps, Fans, Refrigeration, Boilers, Compressors, and Furnaces)	Expert Trainer & Speaker	<ul style="list-style-type: none"> • Marwadi Education Foundation's Group of Institutions – Rajkot • Atmiya Institute of Technology & Science – Rajkot • Government Engineering College – Bhuj • Darshan Institute of Engineering and Technology - Rajkot • VVP Engineering College – Rajkot • Government Engineering College – Rajkot

			<ul style="list-style-type: none"> • Shri Labhubhai Trivedi Institute of Engineering & Technology- Rajkot • Sanjaybhai Rajguru College of Engineering – Rajkot • Shri J M Sabva Institute of Engineering & Technology Botad • School of Diploma Studies, R. K. University • Christ Polytechnic, Rajkot
(iv)	<p>More than 30 technical training program for full day has been conducted on various industries on the following topics</p> <ul style="list-style-type: none"> • Boiler Operations • Water Chemistry for power plant • Steam Properties • Power Plant Operations • Boiler Efficiency Improvement • Combustion Optimization • Boiler Safety 	Expert Technical Trainer	<p>Technical Training conducted at following Various Industries :</p> <ul style="list-style-type: none"> • Reliance Industries Ltd, Jamnagar, Gujarat, India • ESSAR POWER, Vadinar, Gujarat, India • Reliance Industries Ltd, Vadodara, Gujarat, India • ESSAR OIL, Jamnagar, Gujarat, India. • IFFCO, Kalol, Gujarat, India • China Light & Power, Bharuch, Gujarat, India
(v)	<p>Short Term Training Program on Energy Perspectives (Energy Conservation & Energy Audit for HVAC)</p> <p>Short Term Training Program on Energy Conservation, Energy Efficiency and Management</p>	<p>Expert Speaker</p> <p>Expert Speaker</p>	<p>Darshan Institute of Engineering and Technology, Rajkot.</p> <p>Sanjaybhai Rajguru College of Engineering, Rajkot</p>
(vi)	Energy Conservation awareness & Opportunities in Small Scale and Medium Scale Industries	Expert Trainer & Speaker	Lodhika (Metoda), Rajkot GIDC Association
(vii)	Energy Conservation awareness & Opportunities in Small Scale and Medium Scale Industries	Expert Trainer & Speaker	Shapar, Rajkot GIDC Association
(viii)	One day technical training for engineers on “Energy Conservation opportunities in various utilities boilers, chillers, compressors, pumps, fans, blowers, thermic fluid heater etc.	Expert Trainer & Speaker	Oriental Carbon and Chemicals Ltd, Revenue Survey No 141 Mundra, Gujarat 370421.

D	Remarks(if any)
	<ul style="list-style-type: none"> • Mr. Kamleshkumar B. Sangani is <ul style="list-style-type: none"> ▪ Having 5 years of industrial experience in various industries in utilities and power plant such as <ul style="list-style-type: none"> (1)Petrofils Co-Operative Limited, Vadodara (2)Nirma LAB plant, Vadodara (3) SEARCHCHEM Industries Limited, Jhagadia, Bharuch ▪ Having more than 16 years of experience in the field of academics in the area of thermal engineering ▪ Boiler Proficiency Engineer (BOE) Certified by Gujarat State Government. ▪ Authorized Energy Audit consultant by GEDA (Gujarat Energy Development Agency) ▪ Having excellent technical training track record and conducted many technical training programs in various industries such as Reliance Industries Limited, Essar Oil, Essar Power, IFFCO etc. in association with India Boiler dot Com, Vadodara – Professional Technical Training Company in the field of Boilers and Power plants. ▪ Also registered Energy Auditor with Energy Efficiency Management Office, Ministry of Energy and Public Utilities, Mauritius.

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