


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

Serial Number (AEA- 0104)		As on (26/11/2013)	
A.			
1	Name of Accredited Energy Auditor	Jignesh Patel	
2	Father's name	Pravinbhai Patel	
3	Date of Certification as Energy Manager	30 th July 2009	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	30 th July 2009	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-10489	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	4807	
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	M/s Energy Systems Engineering	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
10	Type of firm/ private/ Government / NGO etc.	Private	

11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Mr. JIGNESH PATEL (Manager-TS) Energy Systems Engineering 73/C, Tashkand Society, Nizampura, Chhani Road, Vadodara-390002, Gujarat, India Mobile : +91-8141884047, E-mail : enerz.es@gmail.com
12	Professional postal address with Pin Code of the accredited energy auditor	M/s Energy Systems Engineering 73/C, Tashkand Society, Nizampura, Chhani Road, Vadodara-390002, Gujarat, India Mobile : +91-8141884047, E-mail : enerz.es@gmail.com
13	E-mail address	(i) enerz.es@gmail.com (ii) pqec.es@gmail.com
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(R) 0265-2775684 (O) 0265-2580893 (M) 08141884047
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	Year: 2011
16	Year of commencement of energy audit of the firm	Year: 2014
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Under Process
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	No. of branch offices: 2 Nos. 1. M/s Energy Systems Engineering 12/B, Patel Industrial Estate, Pratapnagar, Gajarawadi, Vadodara-390004 0265-2775684 Email: pqec.es@gmail.com 2. M/s Energy Systems Engineering 417, G.I.D.C Engineering Zone. Ranoli, Dist: Vadodara
C	Details of Associated Energy Experts	

19	Number of resource persons available	More than 50 employees are working on different energy conservation projects.
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>One Full Time Energy Auditors</p> <ol style="list-style-type: none"> 1. JIGNESH. P. PATEL (EA-10489)
	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>Five Associate Consultants / Auditors</p> <ol style="list-style-type: none"> 1. SANKET PATEL (EA-10490): Mr. Sanket Patel has worked with GACL, UPL and Presently he is working with SML in an Energy Conservation Department. He is having an expertise in the mechanical systems like pumps, boilers, Evaporators, Condensers etc. He has worked on Thermodynamic Technique for Pump efficiency Measurement Known as a Yates Meter, Which is a patented technique. 2. VAIBHAV THORAT (EA-12078): Mr. Vaibhav Thorat is having overall experience of more than 11 years in an electrical system design. He is working with Siemens Ltd in a BOP (Balance of Plant Design). He is having an expertise in an electrical system design. 3. GEETESH GOYAL (EA-9428): Geetesh Goyal is a self-employed person. He is working in a rural area for Electrification using DG sets. He is working on different fuel substitutes like Biomass, Jetropha Oil and implements with design modification in DG sets. 4. ANURAG RATHOD (EA-7781): Anurag holds degree in BE Electrical Engineering, MBA-MDI Gurgaon and also Certified Energy Auditor. He is having total experience of 11+ Years. He has done several audits in India as well as Abroad. He was associated with CII and worked there mainly in Energy Conservation. He also worked with Torrent Power and currently he is working in the domain of Smart Grid, SCADA and EMS.

21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	<ol style="list-style-type: none"> 1. Rubber Industries 2. Power Plant 3. Chlor-Alkali 5. Metal Refineries /Industry 6. Heavy Engineering 7. Industrial Gases 8. Pharmaceutical Industry 9. Textile Industry 10. Plastic Industry 11. Copper Smelting Plant 12. Steel & Iron 13. Steel Rolling Mill 14. Institutional & Commercial Complex
22	Subject wise expertise	<ol style="list-style-type: none"> 1. JIGNESH P. PATEL - Power System, Power Quality, Electrical Distribution System, Thermal System, Energy Optimization, Renewable Energy Sources Integration, Reactive Power Compensation 2. SANKET PATEL: Thermal System, Hydraulic System, Industrial pumping systems, working on patented thermodynamic technique of pump system performance monitoring, Industrial Blowers and Fans 3. VAIBHAV THORAT: Power Plant Design, Balance of Plant Design, Power System Protections etc... 4. ANURAG RATHOD: Energy Audit, SCADA, Energy Management System, Cloud Based IT Technology etc... 5. GEETESH GOYAL: Chemical Waste Management, Chemical Process study, ETP etc...
(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	NIL

(b)	Energy audit thermal utility system (list sectors)	<ol style="list-style-type: none"> 1. Rubber Industries 2. Chlor-Alkali 3. Metal Refineries /Industry 4. Heavy Engineering 5. Industrial Gases 6. Pharmaceutical Industry 7. Textile Industry 8. Plastic Industry 9. Copper Smelting Plant 10. Power Plant
(c)	Energy audit electrical utility system (list sectors)	<ol style="list-style-type: none"> 1. Rubber Industries 2. Chlor-Alkali 3. Metal Refineries /Industry 4. Heavy Engineering 5. Industrial Gases 6. Pharmaceutical Industry 7. Textile Industry 8. Plastic Industry 9. Copper Smelting Plant
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> ➤ 3-Ph Power Quality -Energy Analyzer - (Fluke -435 & Metral) ➤ 1-Ph Clamp on Power Meter ➤ Multimeter ➤ Data Logger ➤ Digital Lux Meter
	(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> ➤ Thermal Imager ➤ Flue Gas Analyzer ➤ Digital Infrared Thermometer (Fluke) ➤ Vane Type Anemometer ➤ Hot Wire Anemometer ➤ Digital Thermometer ➤ Ultrasonic Flow meter ➤ Pitot Tube ➤ Hand Held Psychrometer ➤ Digital Differential Pressure Gauge
24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	<ul style="list-style-type: none"> ➤ 12 Days International Workshop on Energy Audit at Jawaharlal Nehru Port Trust, Nhava-Seva, Mumbai ➤ Energy Conservation in Plastic Industries - Bharat Vijay Mill (SIL), Kalol ➤ Energy Conservation and Power Quality

		<ul style="list-style-type: none"> - International Council for Copper Promotion India, Ahmedabad ➤ Seminar On Energy Conservation through Power Electronic Devices, Nirma University, Ahmedabad ➤ Seminar on Energy Conservation in Boiler System using VFD - CPRI, Bangalore ➤ Training on Power Quality and Energy Conservation to employees from TATA, GSFC, GNFC, RALLIS, and JKL CEMENT etc... ➤ Training on Energy Conservation in a program organized by GEDA ➤ Workshop on EC and PQ organized by FICCI, Kochi ➤ Seminar on Power Quality Organized by CII at Nagpur in November-2012 ➤ Seminar Organized by AEIL at Chennai on Energy Conservation and Power Quality at Chennai in December-2012 <p>(Please note that we delivered lectures on different subjects like energy conservation, power quality etc.. in most of the workshop organized by FICCI, CII,APQI,NPC)</p>
(ii)		
(iii)		

D	Remarks(if any)
	M/s Energy Systems Engineering is a relatively new venture established in 2011 and mainly focusing on Electrical System Design. The company has now turned focus and Energy Conservation and decided move aggressively in this direction. The company has technically sound and experience resources who have worked with various agencies like Gujarat Energy Development Agency (GEDA), Maharashtra Energy Development Agency (MEDA), MPUVNL (MP), which are BEE appointed State Designated Agencies and Office of Chief Electrical Inspector, PCRA, EMC (Kerala), project consultants like UHDE, MITCON, AG, GEA, IMDC, for energy conservation products / projects

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

Place: Vadodara

Signature:

Date: 25/08/2015

Name: Jignesh P. Patel
 Designation: Manager-Technical Services
 For and on behalf of
 M/s Energy Systems Engineering

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