


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

Serial Number: AEA-263		As on Date: 02nd November, 2017	
A.			
1	Name of accredited energy auditor	Shashank Manohar Herlekar	
2	Father's name	Manohar Herlekar	
3	Date of certification as Energy Manager	06 th January 2014 (Energy Auditor)	
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"	EA – 18357	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	7759(CEA by BEE) 7759(Provisional Certificate by NPC)	
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	Petroleum Conservation Research Association	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
10	Type of firm/ private/ Government /	GOVERNMENT	

	NGO etc.	
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: Shashank M Herlekar Designation: Additional Director Address: M/s. Petroleum Conservation Research Association,C5, Keshwa Building, Ground floor, Bandra-Kurla Complex, Bandra(E), Mumbai-400051
12	Professional postal address with Pin Code of the accredited energy auditor	M/s. Petroleum Conservation Research Association,C5, Keshwa Building, Ground floor, Bandra-Kurla Complex, Bandra(E), Mumbai-400051
13	E-mail address	herlekars@pcra.org , herlekars@yahoo.co.in
14	Telephone numbers. with STD Code (R) (O) Mobile no:	(R) 022-26590051 (O) 022-26592181 Mob: 9871470812
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	10 th August 1978
16	Year of commencement of energy audit of the firm	10 th August 1978
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Certified ISO 50001 Lead auditor (Cert no 107454), ISO 9001:2008 Internal quality Auditor(Cert no MQMS101408)
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	Head office: New Delhi Regional office: New Delhi, Mumbai, Kolkata, Chennai Sub Regional Office in 18 states
C	Details of Associated Energy Experts	
19	Number of resource persons available	30
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	1. Shri V K Srivastava Addl Director, New Delhi, Qualification: B.Tech (Chemical), Accredited and Certified Energy Auditor AEA-202, Has an experience of 30 yrs in petroleum and energy efficiency sector. Has done more than 45 audits in Petroleum(Oil and Gas),

		<p>Petrochemical, Thermal power plants, Textile and manufacturing sector .</p> <p>2. Shri. Tushar Kant Tiwari , Dy Director, Qualification: B.Tech (Electrical), Certified Energy Auditor EA-20158 Has an experience of 8 years in Petroleum Pipelines division and 2 years in energy efficiency studies. Has done 20 audits in petroleum, petrochemicals, thermal power plant, manufacturing and building sectors.</p> <p>3. Shri. Yogesh Joshi, Deputy Director, Qualification: B.E (Chemical), Energy Manager, EM-20375.Has an experience of 20 years in petrochemical , Oil refinery and chemical manufacturing industry . Has conducted more than 20 audits in Oil, Gas and Petroleum industry, pharma industries, Manufacturing sectors and Buildings.</p> <p>4. Shri. Ajith Kumar K.R. Addl. Director, Qualification: B.Tech (Mechanical), Certified Energy Auditor EA-16223, Has an experience of 23 years in petroleum and energy efficiency sector. Has done 30 audits in iron and steel, Petrochemical, Petroleum, Thermal power plant and manufacturing sector.</p> <p>5. Shri. Rajesh Mohan, Asst Manager, Qualification: B.E(Chemical), EA-15919 Certified Energy auditor . Has more than 10 years experience in Petroleum sector in Oil Refinery and Energy Efficiency sector. Has over 4 years experience in energy auditing and has conducted more than 30 energy audits in Petroleum, engineering, manufacturing, pulp and paper and iron and steel sectors</p>
	<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>1. Shri Rajendra Singh, External Faculty PCRA, Qualification: B.Tech (Electrical), Has an experience of 35 yrs in BHEL and Energy Efficiency consultancy.</p> <p>2. Shri Prabodh Kala, External Faculty PCRA,</p>

		<p>Qualification: B. Tech (Mechanical). Has an experience of 25 years in energy efficiency consultancy.</p> <p>3. Shri. G.Subramanyam, BE [Chem]. 30 years of experience in NPC (National Productivity council) and Energy Audits consultancy. Also External faculty of PCRA.</p>
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	Petroleum, Petrochemicals, Thermal power plants, Buildings and Automobile
22	Subject wise expertise	Thermal power plants, Petroleum and Buildings ,Automobile
(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	Thermal power plants, Petroleum etc
(b)	Energy audit thermal utility system (list sectors)	Thermal power plants, Petroleum and Automobile, LPG Cylinder Manufacturing Industry
(c)	Energy audit electrical utility system (list sectors)	Thermal power plants, Petroleum and Automobile, LPG Cylinder Manufacturing Industry
23	Instruments available	
	(a) Electrical (list the name of the instruments)	3 Phase power analyzer, Lux meter
	(b) Thermal (list the name of the instruments)	Ultrasonic flowmeter-EESIFLO Flue Gas analyzer Infra red thermal gun anemometer Thermo grapher-TESTO

24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit		
(ii)	Gas optimization study and Energy Conservation Opportunities in On shore and Offshore oil Platforms	Speaker	ONGC, Vasundhara Bhavan, Ahmedabad
(iii)	Energy Conservation Opportunities in Electrical Utilities	Speaker	Institution of Engineers, Nasik Chapter
(iv)	Energy conservation Opportunities in Thermal Power Plants	Speaker	Reliance Thermal Power Plant, Dahanu, Mumbai

D	Remarks(if any)
	<p>I, Shashank M Herlekar Qualification: BE(Electrical) from Govt Engg College, Jabalpur and M Tech (Energy), IIT Delhi, joined Indian Oil Corporation Ltd as Engineer Trainee on 13 sep'1993. My Work Experience (brief) Year wise is as Follows:-</p> <ol style="list-style-type: none"> 1. Sep'93 to Aprl' 99: Worked as Engineer in 90 MW ,Frame-VI Gas turbine Power Plant at Indian Oil ,Gujarat Refinery looked after operation and maintenance of Power Plant , Switch gear rooms, Unit substations feeding Feed Preparation unit ,Hydrogen, Hydrocracker, Nitrogen, Sulphur Recovery Units and Offsite area. Carried out numerous Energy and Safety audits during that period. 2. Aprl 99 to May2003: Worked as Sr. Engineer (Maintenance and Electrical Testing) in Gujarat Refinery complex consisting of 26 substations and Two Gas and steam based power plants (Total Generation 225 MW). Carried out Many Energy and Safety Audits during the period. 3. May2003 to March 2007: Worked as Dy Manager (Maint and Core Group Projects) in Indian Oil, Panipat Refinery looked after maintenance of SRU and Offsite area and involved in commissioning of Utilities of Panipat Refinery Expansion Projects (PREP) and Ensured commissioning of Energy Efficiency measures. 4. March2007 to Aprl 2012: Worked as Manager in Power Plant, Panipat Refinery and Manager(Projects and Engg) in Indian Oil ,R&D Centre, Delhi-NCR, Carried out Various Safety, Energy and sustainability audits. Was Coordinator for Energy Audit Carried out by M-Fire consultants engaged by Govt of Haryana, New and Renewable Energy ministry. Also, was coordinator for sustainability audits carried out by M/s Delloit. 5. Aprl 2012 to till Date: Worked as Sr. Manager in Indian Oil R&D centre and on deputation as Additional Director to Petroleum Conservation and Research Association, Mumbai, Involved in Energy auditing of Petroleum industries (Oil refinery & terminals, LPG bottling Plants and Aviation Fuel stations etc), Thermal Power Plants, Automobile, Manufacturing Industry and Residential and building complexes etc. Major jobs carried out are as follows:- (1) Energy audit of Tata Power Plant Trombay - 1 no 500 MW Steam Turbine

	<p>, 1 no 250 MW Steam Turbine and 1 no 180 MW Gas turbine combine cycle units.</p> <p>(2) Energy audit of Reliance Thermal Power Plant, Dahanu, Mumbai -2 nos 250 MW units.</p> <p>(3) Energy audit of Gujarat State Electricity Corporation, Gandhinagar Thermal Power station-2 nos 120 MW and 3 nos 210 MW units.</p> <p>(4) Energy audit of Chhattisgarh state power generation co Ltd (CSPGCL), Hasdeo Thermal Power Station- Korba West-2 nos 210 MW and 2 nos 210 MW-(PH1 & PH2)</p> <p>(5) Energy audit of Amarkantak Thermal Power Station(ATPS), MPPGCL Chachai-2 nos 120 MW and 1 no 210 MW units</p> <p>(6) Energy audit of GSECL, Kutch Lignite Thermal Power Station- 2nos 70 MW and 2 nos 75 MW units.</p> <p>(7) Energy audit of manufacturing facility at Tata motors Ltd, Sanand, Ahmedabad .</p> <p>(8) Energy Audit (Electrical) of BPCL, Mahul Refinery, Mumbai</p> <p>(9) Monitoring and verification audit of Gujarat State Electricity Corporation Ltd, Ukai Thermal Power Station, Gujarat</p> <p>(10) Monitoring and verification Audit of Maharashtra State Power Generation Company Ltd, Thermal Power Station, Paras, Akola</p> <p>(11) Energy Audit of Bharat Oman Refineries Limited, Vadinar pipelines pumping station, Jamnagar, Gujarat</p> <p>(12) Energy Audit Of Indian Oil Corporation Ltd ,Gujarat Refinery</p>
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(Note: Responsibility of the authenticity of the above information rests with the concerned energy auditor/energy auditing agency.)