


FORM IV

(Refer regulation 7(2))

Bureau of Energy Efficiency

REGISTER CONTAINING NAMES OF OFFICES AND FIRMS OF ACCREDITED
ENERGY AUDITORS

Serial Number: AEA-260		As on Date: 02 nd November, 2017	
A.			
1	Name of accredited energy auditor	PUSHKAR K KHANNA	
2	Father's name	KISHANLAL	
3	Date of certification as Energy Manager	7 th February 2013	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	May 2004	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	(i) EA-0648 (ii) EA-0648	
6	Certificate Registration Number of (i) Energy Auditor (ii) "Energy Performance Assessment for Equipment and Utility Systems" (iii) Accredited Energy Auditor	(i) EA-0648 (ii) EA-0648 (iii) AEA 0260	


7	Date of issue of accreditation certificate	2 nd Nov 2017	
B.	Information in respect of trade name or firms' name		
8	Trade name / firms name under which energy audit is proposed to be conducted	ECO ENERGY SOLUTION	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE) 2 nd NOV 2017	
10	Type of firm/ private/ Government / NGO etc.	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)	PUSHKAR K KHANNA 702, PURVA BUILDING, KORES NAKSHATRA 'C' SOCIETY LTD. POKHRAN ROAD # 1, VARTAK NAGAR, THANE WEST, 400 606, MAHARASHTRA kcalkwh@gmail.com kcalkwh@ecoenergysolution.in	
12	Professional postal address with Pin Code of the accredited energy auditor	702, PURVA BUILDING, KORES NAKSHATRA 'C' SOCIETY LTD. POKHRAN ROAD # 1, VARTAK NAGAR, THANE WEST, 400 606, MAHARASHTRA	
13	E-mail address	kcalkwh@gmail.com kcalkwh@ecoenergysolution.in kcalkwh@yahoo.co.in	
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(R) 022 – 2532 4396 (O) 7021132633 (M) 098692 72102	

15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2018																				
16	Year of commencement of energy audit of the firm	2018																				
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	NA																				
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	HO : 49/2, Sarika Society, Isanpur, Ahmedabad, Gujarat kcalkwh@gmail.com kcalkwh@ecoenergysolution.in																				
C	Details of Associated Energy Experts																					
19	Number of resource persons available	16																				
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<table border="1"> <thead> <tr> <th>Sr.</th> <th>Name & Designation</th> <th>Position</th> <th>Work Exp</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Krunal Shah (Partner) Dip Mech & Elec Lead Auditor:- ISO 50001:2011</td> <td>Partner</td> <td>24 yrs</td> </tr> <tr> <td colspan="4">Textile Ind. Sector Expert. Conducted More than 250+ Energy Audits in Industrial, Textile, Pharma, Chemicals, Corporate, MNCs, Commercials, Govt. Sectors, Municipalities and others. Hands on Experience for Third party Inspection for solar water heating systems Consultancy and PMC experience for solar & wind projects</td> </tr> <tr> <td>2</td> <td>Girish D Morparia CEA - 1911</td> <td>Chief Consultant</td> <td>42 yrs</td> </tr> <tr> <td colspan="4">Steel Ind. Sector Expert. Conducted audit studies in different industries viz. Textile, Steel, Plastic Processing, Abrasives, Pulp & Paper, Chemicals and Engineering. Regularly carried out Energy audit and conservation studies at Mukand Ltd (Management Chief) in Furnaces, Utilities, Electric motors, lighting</td> </tr> </tbody> </table>	Sr.	Name & Designation	Position	Work Exp	1	Krunal Shah (Partner) Dip Mech & Elec Lead Auditor:- ISO 50001:2011	Partner	24 yrs	Textile Ind. Sector Expert. Conducted More than 250+ Energy Audits in Industrial, Textile, Pharma, Chemicals, Corporate, MNCs, Commercials, Govt. Sectors, Municipalities and others. Hands on Experience for Third party Inspection for solar water heating systems Consultancy and PMC experience for solar & wind projects				2	Girish D Morparia CEA - 1911	Chief Consultant	42 yrs	Steel Ind. Sector Expert. Conducted audit studies in different industries viz. Textile, Steel, Plastic Processing, Abrasives, Pulp & Paper, Chemicals and Engineering. Regularly carried out Energy audit and conservation studies at Mukand Ltd (Management Chief) in Furnaces, Utilities, Electric motors, lighting			
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		etc. Nominated as Energy Manager under Energy Conservation Act 2001 and co-coordinating all energy conservation activities to achieve Target under the Act	
3	Nikhil Mohite (BE Elec) EM : 25501	Sr. Consultant BE Mech, Griha Certified, ISO 50002 certified	5 yrs
	Working on energy audit for various industry, Pharma, Minerals, Chemicals and TPS. Field study, data collection, report compilation and co-ordination		
4	Anant Ladukar	Sr. Consultant (BE Chem)	10 yrs
	Conducted More than 100+ Energy audits in Textile, Pharma, TPS, Steel Ind. Identify EE areas, Field Study measurements & Analysis, Power quality analysis, Performance base calculation, Report Preparation, energy saving proposals & Presentation		
5	Amol Chiplunkar CEA – 10856	Sr. Consultant B.E. (Prod.) M. Tech Energy, ISO 50001:2011 Lead Auditor	10 yrs
	Commercial Building sector Expert. Conducted More than 100+ Energy Audits in Industries, Corporate, MNCs, Commercial Bldgs, Pharma, Govt. Sectors & Municipalities. Experience of conducting base line study under PAT scheme, Benchmarking, Preliminary and Detailed Energy Audits and Conservation projects in various industry segments		
6	Amol Bhusari CEA- 14726	Sr. Consultant M. Tech Chemical	12 yrs
	Energy Audits of steel plant, power plant, Captive power plant, Chemical plant & dairy plant like cattle feed plant. Analysis, Power quality analysis, Performance base calculation, Report Preparation, energy saving proposals & Presentation		

II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.

Sr.	Name & Designation	Position	Work Exp
1	Dr. Debdas Banerjee EX-AGM Centre for Power Efficiency & Environmental Protection, NTPC	Sr. Associate	35 yrs
	Thermal Power sector expert. Boiler performance assessment & gap analysis through off-line monitoring of process parameters like fuel flow, flue gas temp. & flue gas composition (CO, CO ₂ , O ₂) develop action plan for improvement in gap areas. Performance assessment of APH, Mill, ESP, their computation & analysis. Insulation (radiation) loss test. Combustion optimization in power plant. Optimization of Coal blending in Power station. Assessment of combustion reactivity of Non-coking coal. Organizing Seminar, workshop & Training program		
2	Rajendra Pandya BE Mech, PG Dip HRD	Sr. Associate Consultant	37 yrs
	Certified ISO – 50001 Lead Auditors and BEE certified ECBC Trainer. Domain Expert on Renewable Energy & Waste to Energy, at Gujarat Energy Research & Management Institute (GERMI), Gandhinagar. Retd Sr. Project Executive GEDA after 30 yrs. Of service		
3	Dr. Yogesh Padiya PhD Chem (CEA 1136)	Sr. Associate	20 yrs
	Conducted More than 200+ Energy Audits in Industrial, Corporate, MNCs, Commercials, Govt. Sectors, Municipalities and others		
4	Pradeep kumar R Thakur (CEA : 5812)	Sr. Cons , Safety & Power Quality Expert	25 yrs
	Conducted More than 350+ Energy & Safety Audits in Industries, Corporate, MNCs, Commercials, Govt. Sectors, Municipalities and others		
5	Bhupendrabhai Shah (CEA : 5812)	Chief Consultant B.Sc., D.T.C	40 yrs

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21	Sectors in which the energy auditor/ energy audit firm has conducted energy audits since inception	<p>Thermal & Gas based Power Plants/ Refinery Petrochemicals / Chemicals / Integrated Steel / Re-Rolling Mills/ Glass/ Fertilizer Pharmaceuticals /Alumina / Textile/ Foundry/ Hotels/Engineering/ Plastics/Buildings & Commercial Establishments/ Pulp & Paper/ Water Works/ Food Processing/ Rubber & Tyre/ Sugar / Distillery/ / Acid Plant / Thermal & Gas based Power Plants / Cogen & Captive Power Plants/ Demand Side Management Studies</p> <p>List of credentials attached in Annexure - A</p>  <p>Annexure A - Credentials 1</p>																																				
22	Subject wise expertise	Thermal Power Plant, Integrated Steel Plant, Pharmaceuticals, Distillery, Refinery, Hotels, Commercial																																				

		Buildings, Chemicals
(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)	<ul style="list-style-type: none"> ✓ Experience of conducting base line study under PAT scheme, Benchmarking, Preliminary and Detailed Energy Audits ✓ Experience in undertaking feasibility studies of renewable energy project for Power Generation & Preparation of Detailed Project Reports for IPPs, Captive Cogeneration power plants, Sugar Industries, Chemical process Industries, Integrated Steel Industries, Refineries & Pharmaceutical Industries <p>Experience in Thermal Energy Audits :</p> <ul style="list-style-type: none"> ✓ Thermal power plants, Coal & Gas based ✓ Captive Cogeneration power plants ✓ Sugar Industries ✓ Textile ✓ Pulp & paper ✓ Forging & Foundry ✓ Food Industry ✓ Building, Complexes & Residential ✓ Demand side management ✓ Chemical process Industries ✓ Integrated Steel Industries ✓ Refineries ✓ Pharmaceutical Industries
(c)	Energy audit electrical utility system (list sectors)	<ul style="list-style-type: none"> ✓ Thermal power plants ✓ Captive Cogeneration power plants ✓ Sugar Industries ✓ Textile ✓ Pulp & paper ✓ Forging & Foundry ✓ Food Industry ✓ Building, Complexes & Residential ✓ Demand side management ✓ Chemical process Industries ✓ Integrated Steel Industries ✓ Refineries ✓ Pharmaceutical Industries

23	Instruments available	All instruments available	
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> ✓ Single phase and 3 phase Clamp 'ON' Power measuring Instrument ✓ Energy Explorer 	
	(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> ✓ Flue Gas Analyzer ✓ Thermometer (Contact type) ✓ Anemometer & Pitot tube for air flow ✓ Hygrometer ✓ Lux meter ✓ U tube Manometer ✓ Non contact Ultrasonic velocity meter for flow ✓ Ultrasonic Leak Detector ✓ IR Thermometer ✓ pressure & draft gauges ✓ Thermal Imaging Instrument ✓ Swing type Psychrometer 	
24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	Nil	
D	Remarks(if any)		

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

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

Place : Mumbai

Date : 27th September 2018

Signature:

Name Pushkar K Khanna