


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

Serial Number (AEA- 0154)		As on 25/06/2014	
A.			
1	Name of accredited energy auditor	AMITABH SRIVASTAVA	 <p style="text-align: center;">Photograph of the energy auditor</p>
2	Father's name	ASHOK KUMAR SRIVASTAVA	
3	Date of certification as Energy Manager	26-02-2009	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	13-09-2006	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-5483	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-5483	
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	TÜV SÜD South Asia Pvt. Ltd.	
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)	Deepak Zade Assistant Vice President Industry Service: Green Energy & Sustainability TÜV SÜD South Asia Pvt. Ltd. Gulmohar Plaza, Plot No. 1A, 4th Floor, Gulmohar Park, ITI Road, Aundh Pune (Maharashtra) India Mobile: +91 – 8976860171 E-mail: deepak.Zade@tuvsud.com
12	Professional postal address with Pin Code of the accredited energy auditor	TÜV SÜD South Asia Pvt. Ltd. D-3/3, Okhla Industrial Area Phase II New Delhi -110020
13	E-mail address	amitabh.energy.wateraudit@gmail.com amitabh.srivastava@tuvsud.com
14	Telephone numbers . with STD Code (R) (O) Mobile no:	+91 9662946024 +91 9650080431
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	Year: 1999
16	Year of commencement of energy audit of the firm	Year: 2005
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	1. Empaneled PAT M&V Accredited Energy Audit Firm by BEE 2. Empaneled Energy Services Company (ESCO) Grade III by BEE TÜV SÜD South Asia (TSSA) is a wholly owned subsidiary of TÜV SÜD Group headquartered at Munich, Germany, and represented internationally in more than 1000 locations and 25,000+ highly qualified engineers and professional who have proactively issued 5,00,000+ product certifications and 55,000+ management system certifications. TSSA is the leading certification, testing, auditing, inspection and training company with a strong presence in India, Bangladesh

		<p>and Sri Lanka. TSSA has an extensive network of over 33 offices including 11 labs across the three countries. The company caters to a client base of over 20,000 companies and employs over 2500 staff.</p> <p>TSSA follow fully integrated management systems that are compliant with ISO9001</p> <ul style="list-style-type: none"> • TSSA is accredited with under ISO 17020, ISO 17021 and ISO 17025 • Quality Management System (ISO, QMS) • Occupational Health & Safety Management System (OHSAS)
18	<p>No. of branch offices</p> <p>(List of complete addresses including heads of all branch offices with telephone, fax and email addresses)</p>	<p>Total 17 nos. of Branches in India. (list attached)</p> <p>Head Office: TÜV SÜD South Asia Pvt. Ltd. Solitaire, 4th Floor, ITI Road, Aundh, Pune – 411007 Maharashtra, India. Tel. +91- 20 66841200</p> <p>Fax. +91 – 2066841261 Email. info@tuv-sud.in Website: www.tuv-sud.in</p>
C	Details of Associated Energy Experts	
19	Number of resource persons available	33
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>7</p> <p>1. Amitabh Srivastava Senior Manager – Energy Management B.Sc.(Physics & Maths) B.Tech Chemical Engineering), M.Tech (Energy Management), BEE Certified Energy Auditor. National Scholarship from Ministry of New & Renewable Energy, Govt. of India Since 2006 , working with ERDA, TERI, Devki Energy, AMTL, DESL, Johnson Controls, MITCON & TUV Nord & presently working as Senior Manager- Management with M/s TÜV SÜD South Asia Pvt. Ltd., Conducted more than 300 energy audits in India. The following plants are Tata Chemicals Ltd, Mithapur, Adani Thermal Power Plant, Mundra, United Phosphorus Ltd., HAL, ONGC, GAIL, NTPC, Reliance Rosa Thermal Power Plant, Raj West Thermal Power Plant-JSW group, Manglore Refinery & Petrochemicals Ltd (ONGC Refinery)with PCRA, Gujarat State Fertilizers Corp., Gujarat Narmada Fertilizers Corp, Gujarat Alkalies &</p>

		<p>Chemical Ltd, Sunpharma, Nirma, Izzatnagar Raliway Workshop, Tarapur Atomic Power Station & Madras Atomic Power Station - NPCIL), Koyna Hydro Power Station, Gujarat Heavy Chemicals Ltd, SRF Ltd, World Bank - GEF Ankleshwar Chemical Cluster, MEEP (Municipal Energy Efficiency Program), ESCORTS Building audit, Torrent Power, GSEG Combined Cycle Power Plant, Jindal Steel & Power Ltd, Delhi Electricity Regulatory Commission (DERC)-Discom sector, Birla Textiles Ltd, PAT Advisory for Vardhman Textiles, PAT M&V audit at Reliance Sasan , water Audit of Aditya Birla plants (Century Rayon , Hindalco, Renusagar) etc. Mandatory Energy Audits and Water Audits as per Central Ground Water Authority</p> <ol style="list-style-type: none"> 2. Shailesh Shinde (AEA – 0189) 17+ year of experience in the field of PAT & MEA energy audit for the Thermal Power Plant, Cement Industry, Railways, Building, Chemical, etc. M&V, PA & MEA. 3. Susheel Kumar Choudhary (AEA – 0131) 23+ year of experience in the field of energy audit for the Utilities Sector, Thermal Power Plant, Cement Industry, Railways, Building, Chemical, etc. 4. Mohit Gupta (CEA 33106) 6+ year of experience in the field of energy audit and conducted more than 70 energy audits of M&V, MEA, PAT for the Building, Chemical, Refinery, Pulp & Paper, Thermal Power Plant, Cement Industry, Railways etc 5. Anikit Aggarwal (CEA 27345) Having experience of energy audit of 6+ years and 1.5 years as Energy Auditors in the Power Plant, building etc. 6. Soham Patel 13+ year of experience in the field of Safety Audits & Energy Audits for the Chemical Plant, Thermal Power Plant, Cement Industry, Railways etc 7. Suresh Kannan T (BIS ID No. 120000358) Having experience of 10+ year of experience in the field of Third-Party Inspection & Energy Audits in Steel Plants, Thermal Power Plants, Investment Grade Audit, Steam Audit, building etc. he did Fire & Safety Engineering and having experience in the Thermal Power Plant (NTPC).
	<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 style="text-align: center;">None</p>

21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	Thermal Power Plant Cement Iron & Steel Chlor-Alkali Textiles Pulp & Paper Aluminium Fertilizer Refinery Petrochemicals Steel re-rolling Chemical Industry Pharmaceuticals Engineering, Hospitals, Hotels, Commercial Buildings, Manufacturing Plants, Residential Units
22	Subject wise expertise	Operation & Analysis of following equipments/systems 1. Electrical systems- Motors, transformers, distribution system, harmonics 2. Pumps 3. Fans/Blowers 4. Compressed Air 5. HVAC, Refrigeration –Air conditioning 6. Cooling Towers 7. Electrolysis 8. Electrical heating-Resistance, Induction & Arc 9. Fuel fired equipments- Boilers, Hot oil generators, Furnaces 10. Steam distribution analysis and traps 11. End use analysis of heating & cooling Waste Heat recovery- from utility equipments & chemical processes 12. Buildings 13. Analysis of cogeneration potential 14. Water Audit & Specific water consumption
(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	Coal fired Power Plant, Combined Cycle Power Plant, Iron & Steel, Chlor-Alkali, Soda ash, Dye manufacturing process, Cement & Clinker manufacturing process, Ammonia, Urea & Fertilizers Manufacturing Process, Textile Manufacturing Process, Blast Furnace , Induction Furnace, Electric Arc Furnace,

	audit expertise in the process systems	Sponge Iron Manufacturing Process,
(b)	Energy audit thermal utility system (list sectors)	Power Plant, Cement, Pulp & Paper, Textiles, Chlor-Alkali, Fertilizer, Iron & Steel, Buildings, Chemical, Pharmaceuticals Sectors, etc.
(c)	Energy audit electrical utility system (list sectors)	Power Plant, Cement, Pulp & Paper, Textiles, Chlor-Alkali, Fertilizer, Iron & Steel, Buildings, Chemical, Pharmaceuticals, Engineering, Buildings, Textiles, Discom Sectors etc.
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ol style="list-style-type: none"> 1. 3-phase Power (Harmonic and data logging facility) - CW-240F- Yokogawa 2. 3 Phase (Single Clamp) Power Meter-2745- Kusam Meco 3. Ultrasonic Water Flow Meter- PT878 – GE 4. Digital Anemometer - Kusam Meco-909 5. Lux meter - LUTRAN LX-101 6. 3 Phase (Single Clamp) Power Meter- HTC PC-170A 7. Pressure Guage(oil filled)- Akvalo – 0 to 21kg/cm2 range- EN 837
	(b) Thermal (list the name of the instruments)	<ol style="list-style-type: none"> 1. Thermo Hygro Meter (Psychrometer)- KM921 2. Infrared (IR) Thermometer – Fluke 3. Flue gas Analyser - Testo 340 4. Laser Gun - IRL-550 5. Thermal Imager Testo 871 6. Manometer with Pitot Tube – Testo -440
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	
(i)		Attended Advanced Thermography workshop organized by TESTO India Pvt. Ltd. at Ahmedabad
(ii)		Attended Seminar on “ Energy Conservation opportunities in MSME ” organized by PCRA & GEDA at Ahmedabad
(iii)		Delivered guest lecture on “ Energy Efficiency for Industrial Boiler ” at workshop for CEM/CEA organized by NPC & GEDA at Vadodara
		Attended “stakeholders Consultative Workshop on Financing Energy Efficiency Projects in MSMEs” at New Delhi organized by EESL, BEE, World Bank & UNDP

		Attended International conference – CONCRETECH-2018 – Sustain to gain for Indian Cement Industries organized by CMA (Cement Manufacturers Association) at New Delhi
		17th Meeting of SAMEEKSHA conducted by TERI with presence BEE, SIDBI and Shakti Foundation, UNIDO.
		Attended International conference – Enhancing Energy Efficiency Through Industry Partnership (A conclave to share achievements, best practices and way forward) at New Delhi conducted by BEE (Govt. of India) & GIZ India - Deutsche Gesellschaft für Internationale Zusammenarbeit (German)

D	Remarks(if any)
1	Awarded the National Renewable Energy Fellowship of worth Rs 8000/- per month from Ministry of New & Renewable Energy, Govt. of India during M.Tech. (Energy Management).

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



Amitabh Srivastava