


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

<b>Serial Number (AEA-0337)</b>		<b>As on .(02<sup>nd</sup> April, 2024)</b>	
<b>A.</b>			
1	Name of accredited energy auditor	Dr. M. Thirugnanasambandam	
2	Father's name	T. Marudhappan	
3	Date of certification as Energy Manager	7 Feb 2013	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	18 November 2005	
5	Examination Registration Number of (i) Energy Manager  (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-0636	
6	Certificate Registration Number of (i) Energy Manager  (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EM Reg.No.- 1088 & EA-0636	
7	Date of issue of accreditation certificate	( to be filled by BEE)	
<b>B. Information in respect of trade name or firms' name</b>			
8	Trade name / firms name under which energy audit is proposed to be conducted	M/s GSH India Pvt. Ltd No. 7/7th Street – Gopalapuram Chennai – 600 086 +91 44 24989730	

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)	Dr. M. Thirugnanasambandam Associate Director (Energy) M/s GSH India Pvt. Ltd No. 7/7th Street – Gopalapuram, Chennai – 600 086 +91 44 24989730 +91 8523969321 / 8526208097 Mail : dr.sambandam@gshgroup.com drmts1965@gmail.com
12	Professional postal address with Pin Code of the accredited energy auditor	M/s GSH India Pvt. Ltd No. 7 / 7th Street – Gopalapuram Chennai – 600 086
13	E-mail address	dr.sambandam@gshgroup.com drmts1965@gmail.com
14	Telephone numbers . with STD Code (R) (O) Mobile no:	91 44 24989730 (o) +91 8523969321 (m) +91 8526208097 (m)
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	7th April 2014
16	Year of commencement of energy audit of the firm	7th April 2014
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	ISO 50001-2018 ISO 9001-2015

		ISO 41001-2018 ISO14001-2015 ISO 45001-2018
18	No. of branch offices  (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	NIL
<b>C</b>	<b>Details of Associated Energy Experts</b>	
19	Number of resource persons available	03
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	Dr. M. Thirugnanasambandam Associate Director (Energy) <b>EA Certificate No : 0561</b> <b>EA Registration No. : EA- 0636</b> Work Experience – 30 years Sectors Involved : Automotive, Chemical, Textile, Food Processing, Cement, Paper, Tyre, Hospital, Dehydration, re-rolling, Casting, Plywood, Tea, co-generation, IT & Commercial Buildings Worked in UNDP-Energy Bus program as Nodal Agency for Energy Audit in Western Region, 300+ Energy Audits completed in various industries since Year 1991 to till date
	II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.	1.Dr. R Sethumadhavan <b>AEE-0315</b> <b>Energy Audit Certificate No: EA 4980</b> Educational Qualification : PhD, MBA Work Experience : 36 Years

Former Director Institute of Energy Studies, Anna University. Exhaustive research experience in Gasifier and Biomass combustion. Mixed firing in industrial boilers Consultant for UNDP project on Energy Conservation in Tea processing. Sectors covered – Power Plant, Chemical, Pharmaceuticals, Textiles, Iron & Steel, Food processing, Dairy. More tha 500+ Energy Audits.

**2.**

2.Mr. Sachin Deshpande

Accredited Energy Auditor-AEA0261

Experience – 25 years

A.R.S. ENERGY AUDITORS

Head Office Address : A/1, A/101, Pramodini Place CHSL, Near Air India Colony, Virar (East), Maharashtra, India. Pin Code: - 401 305.

Ph. No. :- +91 7507184478 .

E-Mail IDs :- sachin.ameya@gmail.com,  
[achin@arsenergyauditors.com](mailto:achin@arsenergyauditors.com)

B.E (Mechanical), M. Tech.(Energy) AMIE (Electrical), BEE Accredited Energy Auditor, System Technician for Solar Photovoltaic from I.I.T Chennai, Lead Auditor- Energy Management System, ISO 50001, More than 24 year of experience in the field of Solar Water Heating and SPV projects. More than 8 year of experience in Energy Audit, energy efficiency,

		ESCO model implementation. Sr. Consultant to Ministry of Power, Govt. of India for Regulatory matters/arbitrations/Solar PV Participated / Conducted more than 130 workshop organized by Central Organizations like – BEE, PCRA, GEDA, NPTI.
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	Automobiles Tyre Manufacturing Industries Pulp & Paper Paint Thermal Power Plant Cement Chemicals & Petrochemicals Fertilizer Iron & Steel Pharmaceuticals Food & Beverages Engineering Textiles Hotels & Commercial Buildings
22	Subject wise expertise	All Thermal and Electrical Utilities / Process equipment
(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	Heat Treatment process – Furnace Loading Optimization

(b)	Energy audit thermal utility system (list sectors)	Automotive, Cement, Chemical, Fertilizer, Foods & Beverages, Manufacturing, Oil & Gas, Paint, Paper & Pulp, Pharmaceuticals, Power Plant, Rubber, Textile, Tyre, Defence, Steel re-rolling, Foundry and Casting
(c)	Energy audit electrical utility system (list sectors)	Agriculture & Aquaculture, Automotive, Cement, Chemical, Fertilizer, Foods & Beverages, Manufacturing, Oil & Gas, Paint, Paper & Pulp, Pharmaceuticals, Power Plant, Rubber, Textile, Tyre, Defence, Steel re-rolling, Foundry and Casting
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> <li>• 3 Phase Power Quality Analyzer – 1</li> <li>• Digital Clamp Meter – 1 nos</li> <li>• Pressure gauge-1</li> <li>• Digital Anemometer-1</li> <li>• Insulation tester – 2 nos</li> <li>• Earth loop tester – 2nos</li> </ul>
	(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> <li>• IR Thermometer-1</li> <li>• Digital Lux meter-1</li> <li>• Digital manometer (pressure meter)-1</li> <li>• L - type Pitot tube – 2nos</li> </ul>

24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	<p>Conducted many training Pan India at various client sites. Major clients Apollo Tyres, Hondo Motors, JK Tyres, TIDAL Park CBE,</p> <ul style="list-style-type: none"> <li>• Guest Speaker at VIT-Vellore</li> <li>• <b>Selected by CLRI- Chennai under Twinning Program to Provide Energy Audit Training to Leather Industries – Ethiopia</b></li> <li>• Regularly offer Guidelines / Training to the Aspirants of NCE conducted by BEE</li> <li>• Empaneled with NPC-Chennai for NCE Exam answer sheet correction</li> </ul>
(ii)	<b>Sustainable Energy Forum (SEF)</b>	GSH Organizes Sustainable Energy Forum – A bi-annual Event . The 4 <sup>th</sup> Edition was conducted at Chennai on 8 <sup>th</sup> Nov 23.
(iii)	ISO 50001-EnMS	GSH conducts regular Awareness and IA training at client site on request

<b>D</b>	<b>Remarks( if any)</b>
	<ul style="list-style-type: none"> <li>• Organised Sustainable Energy Forum SEF-23 a bi-annual event of GSh India Pvt. Lts at Chennai During 8<sup>th</sup> Nov 23</li> <li>• Won Star Performer Award for GSH Utility Services from SEEM for the year 2022</li> <li>• Published a book titled “ CO2 Emission Mitigation through Energy Conservation”</li> <li>• Estimated CO<sub>2</sub> emission for GSH and got carbon neutral by carbon offset for the year 2021</li> <li>• Has 40 international / national Publications in the domain of Energy</li> </ul>

	<p>Conservation and Management</p> <ul style="list-style-type: none"><li>• Reviewer for International Journal of Energy, Applied Energy, Energy Strategy review – Published by Elsevier</li><li>• Received Life Time Achievement award from National Institute of Cleanliness Education and Research- New Delhi for promoting Environmental consciousness among college students at Kalasalingam Academy of Research and Education</li><li>• Conducting Energy Audits since 1991.</li><li>• Offering mentoring service to those appearing for BEE-CEA/CEM examination</li></ul>
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(Note: Responsibility of the authenticity of the above information rests with the concerned energy auditor/energy auditing agency.)