



**Energy Management Centre - Kerala**  
**(Department of Power, Govt of Kerala)**

**CERTIFICATE OF EMPANELMENT**

*This is to certify that **M/s. Indian Institute of Technology (IIT)-Indore** (Industrial Energy Assessment Cell (IEAC), 302, Pod – B, Khandwa Road, Simrol, Indore, Madhya Pradesh - 453552) is empanelled as Energy Audit firm in Energy Management Centre Kerala to conduct mandatory energy audit as per Government of Kerala G.O (Rt) No.2/2011/PD dated 01.01.2011.*

**Empanelment No:**  
**EMCEEA- 5424F**


<b>Scope/Area</b>	<b>Building</b>	<b>Industry -Electrical</b>	<b>Industry Thermal</b>
	Yes	Yes	Yes

*This empanelment is valid up to 08/04/2027*

*Issuing Date: 09/04/2024*


*Place: Thiruvananthapuram*

Director,  
Energy Management Centre Kerala


Information of firm		
1.	Name & address of the firm	<b>Industrial Energy Assessment Cell, Indian Institute of Technology – Indore,</b> 302, Pod -1B, IIT Indore Campus, Khandwa Road, Simrol, MP - 453552
	Office(with STD)	6282414503
	Mobile	7907150282
	Fax number	
2.	Website (if any)	<a href="https://www.iiti.ac.in/">https://www.iiti.ac.in/</a>
3.	Email address	<a href="mailto:aneeshrajendran@iiti.ac.in">aneeshrajendran@iiti.ac.in</a> <a href="mailto:dldeshmukh@iiti.ac.in">dldeshmukh@iiti.ac.in</a>
4.	Name ,Designation and address of Contact person	<b>Dr. Devendra L Deshmukh</b> Professor & Dean, IIT – Indore, MP - 453552
5.	Office(with STD)	
	Residence(with STD)	
	Mobile	8818937243
6.	Email address	dldeshmukh@iiti.ac.in
7.	Year of establishment	2022
8.	Year of commencement of energy audit by the firm.	2022
9.	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	IEAC – IIT Madras, Tamil Nadu IEAC – IIT Bombay, Maharashtra IEAC – IIT Ropar, Punjab IEAC – IIT Gandhinagar, Gujarat IEAC – IIT Hyderabad, Telangana IEAC – IIT Guwahati, Assam

Details of Associated Energy Experts and Audits Conducted by firm			
1.	Number of resource persons available	12	
2.	Number of full-time energy auditors in position, with work experience of all energy auditors associated with the firm	1 Er. Aneesh Rajendran (15 Years)	
3.	No. of part-time energy auditors in position during the current year / previous year associated with the firm.	5 Er. Karthick Vengatesh Kumar (9 Years) Er. Sreekanth PK (15 Years) Er. Renjith Raj R (6 Years) Er. Rahul Patel (10 Years) Er. Nageshwara (15 Years)	
4.	Sectors in which the energy audit firm has conducted energy audits since inception and number of audits in each sector	<ul style="list-style-type: none"> <li>▪ Iron &amp; Steel – Casting and Rolling - 5</li> <li>▪ Pulp &amp; Paper Manufacturing – 2</li> <li>▪ Chlor Alkali - 1</li> <li>▪ Aluminium Pressure Die Casting - 5</li> <li>▪ Automobile Manufacturing – 2</li> <li>▪ Cement Grinding - 1</li> <li>▪ Textile Processing - 1</li> <li>▪ Tea Processing - 14</li> <li>▪ Breweries - 2</li> <li>▪ FMCG - 6</li> <li>▪ Mineral Water Bottling &amp; Manufacturing (FMCG) - 1</li> <li>▪ Food Processing (FMCG) - 3</li> <li>▪ Rubber Processing - 2</li> <li>▪ Printing Industries - 2</li> <li>▪ Packaging Products Manufacturing - 2</li> <li>▪ Loom Manufacturing - 1</li> <li>▪ Engineering – 7</li> <li>▪ Copper Casting &amp; Extrusion - 2</li> <li>▪ Plastic Extrusion &amp; Moulding - 2</li> <li>▪ Effluent Treatment Plants - 1</li> <li>▪ Large Scale Buildings – 1</li> <li>▪ Cold Storages - 1</li> </ul>	
5.	Energy audit process system (list sectors) - If no energy audit has been carried out of the process system and parameters, please list nil.	<ul style="list-style-type: none"> <li>▪ Chlor Alkali / Electrolysis</li> <li>▪ Heat Treatment Processes</li> <li>▪ Foundry &amp; Metal Casting</li> <li>▪ Paper Processing</li> <li>▪ Textile Processing</li> <li>▪ Tea Processing</li> <li>▪ Liquor Processing</li> <li>▪ Food Processing</li> </ul>	
6.	Energy audit of thermal utility system (list sectors)	<ul style="list-style-type: none"> <li>▪ Iron &amp; Steel</li> <li>▪ Aluminium</li> <li>▪ Pulp &amp; Paper</li> <li>▪ Chlor Alkali</li> <li>▪ Textile</li> <li>▪ Tea Processing</li> <li>▪ Breweries</li> <li>▪ Food Processing</li> <li>▪ Rubber Processing / Tyre</li> <li>▪ Engineering</li> <li>▪ Copper</li> </ul>	
7.	Energy audit of electrical utility system (list sectors)	<ul style="list-style-type: none"> <li>▪ Iron &amp; Steel</li> <li>▪ Pulp &amp; Paper</li> <li>▪ Chlor Alkali</li> <li>▪ Aluminium</li> <li>▪ Automobile</li> <li>▪ Cement</li> <li>▪ Textile</li> <li>▪ Tea Processing</li> <li>▪ Breweries</li> <li>▪ Mineral Water Bottling &amp; Manufacturing</li> <li>▪ Food Processing</li> <li>▪ Rubber / Tyre</li> <li>▪ Printing / Packaging</li> <li>▪ Engineering</li> <li>▪ Copper</li> <li>▪ Plastic</li> <li>▪ Effluent Treatment Plants</li> <li>▪ Large Scale Buildings</li> <li>▪ Cold Storages</li> </ul>	
8.	Instruments available	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> <li>▪ Power Analyzer with LT and Indirect HT sensors (2 Sets)</li> <li>▪ Power Logger (1 Set)</li> <li>▪ AC /DC Power Clamp meter (3 Sets)</li> <li>▪ AC/DC Clamp meter</li> <li>▪ Tong tester</li> <li>▪ Lux meter</li> <li>▪ IR Tachometer</li> <li>▪ Stroboscope</li> </ul>
		(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> <li>▪ Ultrasonic Flowmeter</li> <li>▪ Ultrasonic Thickness Gauge</li> <li>▪ Ultrasound Air Leak Detector</li> <li>▪ Ultrasound Steam Trap Checker</li> <li>▪ Thermal Imager</li> <li>▪ Acoustic Imager</li> <li>▪ Compressed Air Flow meter</li> <li>▪ Temperature Logger with 4 Thermocouple Probes</li> <li>▪ Temperature &amp; Humidity Logger</li> <li>▪ Sling Hygrometer</li> <li>▪ Differential Pressure Logger with Pitot tube</li> <li>▪ Flue Gas Analyzer</li> <li>▪ Vane Anemometer</li> <li>▪ Hot wire Anemometer</li> </ul>


**\*Bio data of Accredited Energy Auditor**

1	Name of Energy auditor	<b>ANEESH RAJENDRAN</b>	
2.	Qualifications.	B.Tech – Electrical & Electronics Engg M.Tech – Power Systems BEE – Accredited Energy Auditor GHG – Lead Verifier / Validator A Grade Electrical Supervisor Permit IEI – Chartered Engineer / MIE	
3.	Experience. (use additional sheet if required)	15 Years in Energy Auditing, Electrical / HVAC and all MEP works, Energy Efficiency and awareness with Kerala SDA, R&D Projects	
4.	Residence(with STD)	9495191019	
5.	Mobile	7907150282	
6	Email address	<a href="mailto:aneeshrajendran85@gmail.com">aneeshrajendran85@gmail.com</a> <a href="mailto:aneeshrajendran@iiti.ac.in">aneeshrajendran@iiti.ac.in</a>	
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	01/09/2017	
8	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	25/01/2018	
9	Examination Registration Number of (i) Energy Manager  (ii) "Energy Performance Assessment for Equipment and Utility Systems" ( In case of Certified Energy Auditor, please write CEA Registration No.)	EA - 24652	
10	Certificate Registration Number of (i) Energy Manager  (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EM – 14340 (Energy Manager) EA – 9308 (Energy Auditor)	
11	Are you a BEE accredited Energy auditor. If so:  Date of accreditation Accreditation No.	Yes 02/04/2024 AEA – 0339 <a href="https://beeindia.gov.in/en/programmesnational-certification-examination/accredited-energy-auditors">https://beeindia.gov.in/en/programmesnational-certification-examination/accredited-energy-auditors</a>	
	<b>Remarks( if any)—Nil</b>		


**\*Bio data of Energy Assessment Engineer**

1	Name of Energy Engineer	<b>BHAWANI SINGH CHUNDAWAT</b>	
2.	Qualifications.	B.Tech – Electrical Engg GHG – Lead Verifier / Validator	
3.	Experience. (use additional sheet if required)	5 Years in Energy Auditing, PAT Scheme Auditing, M&V Audit, Safety & Water Auditing.	
4.	Residence(with STD)	9928747647	
5.	Mobile	6377352985	
6	Email address	<a href="mailto:bsc2766@gmail.com">bsc2766@gmail.com</a> <a href="mailto:bhawanis@iiti.ac.in">bhawanis@iiti.ac.in</a>	
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	Nil	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Nil	
9	Examination Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems” ( In case of Certified Energy Auditor, please write CEA Registration No.)	Nil	
10	Certificate Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems”	Nil	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	NA	
Remarks( if any)—Nil			


**\*Bio data of Energy Assessor**

1	Name of Energy Engineer	<b>VAIBHAV SHARMA</b>	
2.	Qualifications.	B.Tech. - Electrical Engg. M.Tech. - Power System & Power Electronics BEE - Certified Energy Manager GHG – Lead Verifier / Validator	
3.	Experience. (use additional sheet if required)	5 Years in Energy Audit, PAT Scheme Audit – MEA, M&V Audit, Cluster Audit , Building Audit, Safety & Water Audit.	
4.	Residence (with STD)	7014593910	
5.	Mobile	9509082813	
6	Email address	<a href="mailto:Sharma.vaibhav577@gmail.com">Sharma.vaibhav577@gmail.com</a> <a href="mailto:vaibhavs@iiti.ac.in">vaibhavs@iiti.ac.in</a>	
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	07/02/2025	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	NA	
9	Examination Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems” ( In case of Certified Energy Auditor, please write CEA Registration No.)	EM – 300829/24 (Energy Manager)	
10	Certificate Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems”	11932/T	
11	Are you a BEE accredited Energy auditor. If so:  Date of accreditation Accreditation No.	NA	
	<b>Remarks( if any)—Nil</b>		

**\*Bio data of Energy Assessment Engineer**


1	Name of Energy Engineer	<b>ASWIN T</b>	
2.	Qualifications.	B.Tech. - Mechanical Engg. M.Tech. – Thermal Science GHG – Lead Verifier / Validator	
3.	Experience. (use additional sheet if required)	2 Years in Energy Auditing and handling all type of Electrical and Thermal instruments	
4.	Residence (with STD)	Nil	
5.	Mobile	8593948406	
6	Email address	<a href="mailto:aswintrajan007@gmail.com">aswintrajan007@gmail.com</a> <a href="mailto:aswintraj@iiti.ac.in">aswintraj@iiti.ac.in</a>	
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	Nil	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Nil	
9	Examination Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems” ( In case of Certified Energy Auditor, please write CEA Registration No.)	Nil	
10	Certificate Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems”	Nil	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	No	
Remarks( if any)—Nil			

**\*Bio data of Energy Assessment Engineer**

1	Name of Energy Engineer	<b>JERIN P RAJAN</b>	
2.	Qualifications.	B.Tech. - Mechanical Engg GHG – Lead Verifier / Validator	
3.	Experience. (use additional sheet if required)	3 Years in Energy Sector as project Engineer. 2 years in Industrial sector as mechanical Engineer. 6 months experience in energy auditing	
4.	Residence (with STD)	Nil	
5.	Mobile	8281790951	
6	Email address	<a href="mailto:jerinprajan@gmail.com">jerinprajan@gmail.com</a> <a href="mailto:jerinp@iiti.ac.in">jerinp@iiti.ac.in</a>	
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	Nil	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Nil	
9	Examination Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems” ( In case of Certified Energy Auditor, please write CEA Registration No.)	Nil	
10	Certificate Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems”	Nil	
11	Are you a BEE accredited Energy auditor. If so:  Date of accreditation Accreditation No.	No	
	<b>Remarks( if any)—Nil</b>		



**\*Bio data of Energy Assessment Engineer**

1	Name of Energy Engineer	<b>SHARATH MADHAVAN</b>		
2.	Qualifications.	B.Tech. - Mechanical Engg GHG – Lead Verifier / Validator		
3.	Experience. (use additional sheet if required)	6 months in Industrial sector as Project Engineer 6 months experience in Energy Auditing		
4.	Residence (with STD)	Nil		
5.	Mobile	7012956962		
6	Email address	<a href="mailto:sharathmadhavank26@gmail.com">sharathmadhavank26@gmail.com</a> <a href="mailto:sharathmk@iiti.ac.in">sharathmk@iiti.ac.in</a>		
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	Nil		
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Nil		
9	Examination Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems” ( In case of Certified Energy Auditor, please write CEA Registration No.)	Nil		
10	Certificate Registration Number of (i) Energy Manager  (ii) “Energy Performance Assessment for Equipment and Utility Systems”	Nil		
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	No		
	<b>Remarks( if any)—Nil</b>			