



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


Scope/Area	Building	Industry -Electrical	Industry Thermal
	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	Industrial Energy Assessment Cell, Indian Institute of Technology – Indore, 302, Pod -1B, IIT Indore Campus, Khandwa Road, Simrol, MP - 453552
	Office(with STD)	6282414503
	Mobile	7907150282
	Fax number	
2.	Website (if any)	https://www.iiti.ac.in/
3.	Email address	aneeshrajendran@iiti.ac.in dldeshmukh@iiti.ac.in
4.	Name ,Designation and address of Contact person	Dr. Devendra L Deshmukh 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 (14 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 (8 Years) Er. Sreekanth PK (14 Years) Er. Renjith Raj R (5 Years) Er. Rahul Patel (9 Years) Er. Nageshwara (14 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"> ▪ Iron & Steel – Casting and Rolling - 3 ▪ Pulp & Paper Manufacturing - 2 ▪ Aluminium Pressure Die Casting - 3 ▪ Automobile Manufacturing - 1 ▪ Textile Processing - 1 ▪ Tea Processing (FMCG) - 3 ▪ Breweries (FMCG) - 1 ▪ Mineral Water Bottling & Manufacturing (FMCG) - 1 ▪ Food Processing (FMCG) - 1 ▪ Rubber Tyre Tube Manufacturing - 1 ▪ Rubber based Auto Products Mfg - 1 ▪ Printing Industries - 2 ▪ Packaging Products Manufacturing - 2 ▪ Loom Manufacturing - 1 ▪ Wire Manufacturing - 1 ▪ Spring Washer Manufacturing - 1 ▪ Copper Casting & Extrusion - 1 ▪ Copper Heat Treatment - 1 ▪ Plastic Extrusion - 1 ▪ Effluent Treatment Plants - 1 ▪ Large Scale Buildings - 1 	
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"> ▪ Heat Treatment Processes ▪ Foundry & Metal Casting ▪ Process Cooling ▪ Wire drawing & Extrusion ▪ Pulp and Paper making ▪ Tea Processing ▪ Liquor Processing ▪ Food Processing 	
6.	Energy audit of thermal utility system (list sectors)	<ul style="list-style-type: none"> ▪ Iron & Steel ▪ Aluminium ▪ Textile ▪ Tea Processing ▪ Breweries ▪ Food Processing ▪ Rubber Processing / Tyre ▪ Engineering ▪ Copper 	
7.	Energy audit of electrical utility system (list sectors)	<ul style="list-style-type: none"> ▪ Iron & Steel ▪ Pulp & Paper ▪ Aluminium ▪ Automobile ▪ Textile ▪ Tea Processing ▪ Breweries ▪ Mineral Water Bottling & Manufacturing ▪ Food Processing ▪ Rubber / Tyre ▪ Printing / Packaging ▪ Engineering ▪ Copper ▪ Plastic ▪ Effluent Treatment Plants ▪ Large Scale Buildings 	
8.	Instruments available	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> ▪ Power Analyzer with LT and Indirect HT sensors (2 Sets) ▪ Power Logger (1 Set) ▪ AC /DC Power Clamp meter (3 Sets) ▪ AC/DC Clamp meter ▪ Tong tester ▪ Lux meter ▪ IR Tachometer ▪ Stroboscope
		(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> ▪ Ultrasonic Flowmeter ▪ Ultrasonic Thickness Gauge ▪ Ultrasound Air Leak Detector ▪ Ultrasound Steam Trap Checker ▪ Thermal Imager ▪ Acoustic Imager ▪ Temperature Logger with 4 Thermocouple Probes ▪ Temperature & Humidity Logger ▪ Sling Hygrometer ▪ Differential Pressure Logger with Pitot tube ▪ Flue Gas Analyzer ▪ Vane Anemometer ▪ Hot wire Anemometer


***Bio data of Accredited Energy Auditor**

1	Name of Energy auditor	ANEESH RAJENDRAN	
2.	Qualifications.	B.Tech – Electrical & Electronics Engg M.Tech – Power Systems BEE – Accredited Energy Auditor A Grade Electrical Supervisor Permit IEI – Chartered Engineer / MIE	
3.	Experience. (use additional sheet if required)	14 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	aneeshrajendran85@gmail.com aneeshrajendran@iiti.ac.in	
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	
	Remarks(if any)—Nil		

***Bio data of Energy Assessment Engineer**

1	Name of Energy Engineer	NEHAL GUPTA	
2.	Qualifications.	B.E. – Mechanical Engineering	
3.	Experience. (use additional sheet if required)	4 years in Energy Audit, Water Audit, Electrical Audit and Commissioning Projects.	
4.	Residence (with STD)	NA	
5.	Mobile	8424869515	
6	Email address	gnehal9091@gmail.com nehal@iiti.ac.in	
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 Assessment Engineer**

1	Name of Energy Engineer	BHAWANI SINGH CHUNDAWAT	
2.	Qualifications.	B.Tech – Electrical Engg.	
3.	Experience. (use additional sheet if required)	4.5 Years in Energy Auditing, PAT Scheme Auditing, M&V Audit, Safety & Water Auditing.	
4.	Residence(with STD)	9928747647	
5.	Mobile	6377352985	
6	Email address	bsc2766@gmail.com bhawanis@iiti.ac.in	
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 Assessment Engineer**

1	Name of Energy Engineer	VAIBHAV SHARMA	
2.	Qualifications.	B.Tech. - Electrical Engg. M.Tech. - Power System & Power Electronics	
3.	Experience. (use additional sheet if required)	4 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	Sharma.vaibhav577@gmail.com vaibhavs@iiti.ac.in	
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 Assessment Engineer**

1	Name of Energy Engineer	ASWIN T		
2.	Qualifications.	B.Tech. - Mechanical Engg. M.Tech. – Thermal Science		
3.	Experience. (use additional sheet if required)	1 Year in Energy Auditing and handling all type of Electrical and Thermal instruments		
4.	Residence (with STD)	Nil		
5.	Mobile	8593948406		
6	Email address	aswintrajan007@gmail.com aswintraj@iiti.ac.in		
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			