



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

**CERTIFICATE OF EMPANELMENT**

*This is to certify that **M/s. Federation of Indian Chambers of commerce & Industry (FICCI)**, (Federation House, Tansen Marg, New Delhi – 110 001) 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- 4117 F**

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

*This empanelment is valid up to 10<sup>th</sup> May 2020*

*Issuing Date: 11/05/2017*


*Place: Thiruvananthapuram*

Director,  
Energy Management Centre - Kerala

Information of firm		
1.	Name & address of the firm	Federation of Indian Chambers of Commerce & Industry (FICCI) Federation House, Tansen Marg, New Delhi- 110001
□	Office(with STD)	011-2348228
	Mobile	+91-9868112517
	Fax number	011-23320714
2.	Website (if any)	www.ficci.in
3.	Email address	ma.patil@ficci.com
4.	Name ,Designation and address of Contact person	M N Girish, Additional Director FICCI Federation House, Tansen Marg, New Delhi- 110001
5.	Office(with STD)	011-23487229
	Residence(with STD)	NA
	Mobile	+91-9810082612
6.	Email address	mn.girish@ficci.com
7.	Year of establishment	1956
8.	Year of commencement of energy audit by the firm.	2005
9.	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	<p>a. Akhilesh Mahurkar (Director) FICCI Andhra Pradesh State Council 8-2-699/1, 3rd Floor, K R Towers, Road No. 12 Banjara Hills, Hyderabad 500 034 Phone: 040- 23395275-76 , Fax: 040- 23395275-76 , Email: <a href="mailto:akhilesh.mahurkar@ficci.com">akhilesh.mahurkar@ficci.com</a></p> <p>b. Mr Param J Shah, (Deputy Director) FICCI Gujarat State Council A-311, Safal Pegasus, 100 ft Road, Prahladnagar, Ahmedabad - 380 015 Telefax: 079-26937581, 26937582, 26937583 Email: <a href="mailto:gujarat@ficci.com">gujarat@ficci.com</a>, <a href="mailto:param@ficci.com">param@ficci.com</a></p> <p>c. Mr. P Radhakrishnan Director FICCI Karnataka State Council VITC Building, 1st Floor, Kasturba Road Bangalore - 560 001 Phone: 080 22861949 Email: <a href="mailto:p.radhakrishnan@ficci.com">p.radhakrishnan@ficci.com</a></p> <p>d. Mr. Deepak Mukhi (Head ) FICCI Western Regional Council Krishnamai Cooperative Housing Society Ltd Ground Floor, Plot No. 33-B, Pochkhanwala Road, Worli , Mumbai - 400 025 Phone: 022-24966633-39 (O), 24968000 (PABX) Fax: 022-24966631-32 Email: <a href="mailto:drvpanidit@ficci.com">drvpanidit@ficci.com</a>, <a href="mailto:wrc@ficci.com">wrc@ficci.com</a></p> <p>e. Mr Atul Sharma, (Head) FICCI Rajasthan State Council 202 Rajputana Tower, A-27-B, Shanti Path, Tilak Nagar, Jaipur - 302 004 Phone: 0141 5116464, Fax: 0141 5116464 Email: <a href="mailto:atul.sharma@ficci.com">atul.sharma@ficci.com</a></p> <p>Mr P Murari Advisor - President, FICCI</p> <p>f. Mr Ruban Hobday , (Addl. Director) FICCI Tamil Nadu State Council 2A, Bajaj Manor, 14A, College Road Chennai 600006 Phone: 044- 42326329 (D) 42326331, 42327333, 42326330 (Off) , Fax: 044-42326263 Email: <a href="mailto:ruban.hobday@ficci.com">ruban.hobday@ficci.com</a></p>

### Details of Associated Energy Experts and Audits Conducted by firm

1.	Number of resource persons available	10	
2.	Number of full-time energy auditors in position, with work experience of all energy auditors associated with the firm	4 nos. Mr. M A Patil – 30 years Mr. MN Girish – 20 years Mr. Pushpendra Nayak – 10 years Mr. Amit Kumar Singh- 6 years	
3.	No. of part-time energy auditors in position during the current year / previous year associated with the firm.	4 nos.	
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>• Govt &amp; Commercial Buildings- 18</li> <li>• Thermal Power Plants- 1</li> <li>• Captive Power Plants- 5</li> <li>• Aluminum – 4</li> <li>• Cement – 2</li> <li>• Fertilizer- 6</li> <li>• Textile – 2</li> <li>• Pulp &amp; Paper - 10</li> <li>• Refinery – 2</li> <li>• Oil &amp; Gas-1</li> <li>• Mining-1</li> <li>• Sugar – 2</li> <li>• Engineering – 7</li> <li>• Demand Side Management-3</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.	Buildings, Thermal Power Plants, Aluminum, Cement, Fertilizer, Textile , Pulp & Paper Refinery, Oil & Gas, Mining, Sugar, Engineering Agriculture & Municipal Demand Side Management	
6.	Energy audit of thermal utility system (list sectors)	Boilers, Steam distribution system, Furnaces, Insulation & refractories, WHRB , Kilns, Pre heaters, Dryer ,Cogen systems, Steam Turbines, Gas Turbines etc	
7.	Energy audit of electrical utility system (list sectors)	Electrical Motors, Transformers, Reactive Power Management systems, Compressed air system, HVAC & refrigeration System, Fans & Blowers Pumps & Pumping System, Cooling Towers, Lighting System, DG Sets, Coal Mills, Crushers etc	
8.	Instruments available	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> <li>➤ Krykard Load Manager, ALM -30</li> <li>➤ Krykard Load Manager, ALM -10</li> <li>➤ Fluke Power Quality Analyzer, PQ-345</li> <li>➤ Clamp meter –Kusum Meco</li> </ul>
		(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> <li>➤ Ultrasonic flowmeter</li> <li>➤ Doppler Type Flow meter</li> <li>➤ Flue Gas Analyzer</li> <li>➤ Thermal Imager</li> <li>➤ Anemometer</li> <li>➤ Temperature Indicators</li> <li>➤ Psychrometers</li> <li>➤ Pressure meter</li> <li>➤ Pitot Tube</li> <li>➤ Lux Meter</li> <li>➤ PH meter</li> <li>➤ TDS meter</li> </ul>

<b>*Bio data of Certified Energy Auditor</b>			
1	Name of energy auditor	M A Patil	
2.	Qualifications.	B.E (Mechanical Engg) PG Certificate Course (Energy Management)	
3.	Experience. (use additional sheet if required)	30 years	
4.	Residence(with STD)	NA	
5.	Mobile	+91-9868112517	
6	Email address	<a href="mailto:ma.patil@ficci.com">ma.patil@ficci.com</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	30 <sup>th</sup> July 2009	
8	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	30 <sup>th</sup> July 2009	
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- 10204	
10	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	4751	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	Yes  26 <sup>th</sup> June 2015 AEA- 0232	
<b>Remarks( if any)--Nil</b>			

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

Place: New Delhi


Signature:



Date: 25<sup>th</sup> May 1982

Name:  
Designation:

M A Patil  
Sr. Director-RCM

<b>*Bio data of Certified Energy Auditor</b>			
1	Name of energy auditor	M N Girish	
2.	Qualifications.	B.E (Electrical & Electronics Engg)	
3.	Experience. (use additional sheet if required)	20 years	
4.	Residence(with STD)	NA	
5.	Mobile	+91-9810082612	
6	Email address	<a href="mailto:mn.girish@ficci.com">mn.girish@ficci.com</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	30 <sup>th</sup> July 2009	
8	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	30 <sup>th</sup> July 2009	
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- 5499	
10	Certificate Registration Number of (i) Energy Manager  (ii) "Energy Performance Assessment for Equipment and Utility Systems"	4500	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	Yes  26 <sup>th</sup> February 2013 AEA- 0013	
<b>Remarks( if any)--Nil</b>			

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

Place: New Delhi

Signature:

Date: 25<sup>th</sup> May 1982

Name:  
Designation:

  
M N Girish  
Addl. Director-RCM

<b>*Bio data of Certified Energy Auditor</b>		
1	Name of energy auditor	Pushpendra Nayak
2.	Qualifications.	B.E (Mechanical Engg) M.Tech (Energy Management) MBA (International Business)
3.	Experience. (use additional sheet if required)	10 years
4.	Residence(with STD)	NA
5.	Mobile	+91-9313636244
6	Email address	<a href="mailto:pushpendra.nayak@ficci.com">pushpendra.nayak@ficci.com</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	7 <sup>th</sup> July 2009
8	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	7 <sup>h</sup> July 2009
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- 6581
10	Certificate Registration Number of (i) Energy Manager  (ii) "Energy Performance Assessment for Equipment and Utility Systems"	4463
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	Yes  18 <sup>th</sup> December 2015 AEA- 0248
<b>Remarks( if any)--Nil</b>		



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

Place:

New Delhi

Signature:

Date:


25<sup>th</sup> May 1982

Name:

Pushpendra Nayak

Designation:

Deputy Director-RCM

<b>*Bio data of Certified Energy Auditor</b>			
1	Name of energy auditor	Amit Kumar Singh	
2.	Qualifications.	B.Tech (Mechanical Engg) PG Diploma (Energy Management)	
3.	Experience. (use additional sheet if required)	6 years	
4.	Residence(with STD)	NA	
5.	Mobile	+91-9811333063	
6	Email address	<a href="mailto:amit.singh@ficci.com">amit.singh@ficci.com</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	9 <sup>th</sup> January 2015	
8	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	9 <sup>th</sup> January 2015	
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- 18277	
10	Certificate Registration Number of (i) Energy Manager  (ii) "Energy Performance Assessment for Equipment and Utility Systems"	8143	
11	Are you a BEE accredited Energy auditor. If so:  Date of accreditation Accreditation No.	Yes  4 <sup>th</sup> May 2017	
<b>Remarks( if any)--Nil</b>			

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

Place: New Delhi

Signature:

Date: 25<sup>th</sup> May 1982

Name:  
Designation:



Amit Kumar Singh  
Assistant Director-RCM