



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

**CERTIFICATE OF EMPANELMENT**

*This is to certify that **M/S. BHUTI SYSTEMS**, (137, Shivashakthi, Dhareswar, Ta. Kumta Dist Uttara Kannada, Karnataka) 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- 3315F**

Scope/Area	Building	Industry -Electrical	Industry Thermal
	Yes	Yes	Yes

*This empanelment is valid up to 12<sup>th</sup> May 2018*

*Issuing Date: 13/05/2015*


*Place: Thiruvananthapuram*

Director,  
Energy Management Centre Kerala

Information of firm		
1.	Name & address of the firm Bhuti Systems <u>Registered Office</u> 137, Shivashakti, Po: Dhareshwar Ta: Kumta, Dist: Uttara Kannada, Karnataka, PIN – 581327  <u>Communication</u> 1234, 15 <sup>th</sup> Main, BTM Layout, 2 <sup>nd</sup> Stage Bengaluru, Karnataka, PIN - 5760076	
É	Office(with STD)	080 4224 2767
	Mobile	+91 87623 25085
	Fax number	-
2.	Website (if any)	<a href="http://www.bhutisystems.in">www.bhutisystems.in</a>
3.	Email address	i n f o @ b h u t i s y s t e m s . i n
4.	Name ,Designation and address of Contact person	Shashidhar Dhareshwar CEO, 1234, 15 <sup>th</sup> Main, BTM Layout, 2 <sup>nd</sup> Stage Bengaluru, Karnataka, PIN - 5760076
5.	Office(with STD)	080 4224 2767
	Residence(with STD)	
	Mobile	+91 87623 25085
6.	Email address	s h a s h i d h a r d @ g m a i l . c o m
7.	Year of establishment	2013
8.	Year of commencement of energy audit by the firm.	2013
9.	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	Nil

Details of Associated Energy Experts and Audits Conducted by firm		
1.	Number of resource persons available	3
2.	Number of full-time energy auditors in position, with work experience of all energy auditors associated with the firm	1 Cumulative experience of 20 years
3.	No. of part-time energy auditors in position during the current year / previous year associated with the firm.	2
4.	Sectors in which the energy audit firm has conducted energy audits since inception and number of audits in each sector	Manufacturing (Automotive, Rubber, Forging, Cating, heat treatment, etc) - 20 Buildings ( Commercial & Government) - 50 Sugar Industry – 3 Food Processing – 2 Steel – 3 Mining – 2 Pharma - 2 (Also involved in PAT baseline and M&V programme for steel / cement sectors)
5.	Energy audit process system (list sectors) - If no energy audit has been carried out of the process system and parameters, please list nil.	Nil
6.	Energy audit of thermal utility system (list sectors)	Manufacturing Steel Cogeneration Power Plant Food Pharma
7.	Energy audit of electrical utility system (list sectors)	Building Steel Cogeneration Power Plant Food Pharma
8.	Instruments available	(a) Electrical (list the name of the instruments) Power Analyser Tachometer
		(b) Thermal (list the name of the instruments) Flue Gas Analyser Digital Thermometer-Contact & Non contact Anemometer Ultrasonic Flow Meter Pressure Gauge

**\*Bio data of Certified Energy Auditor**

1	Name of energy auditor	Shashidhar Dhareshwar		
2.	Qualifications.	B.E.-Mechanical M.Tech – Energy Studies		
3.	Experience. (use additional sheet if required)	Three years of Methods engineering  One year of Wind Energy  Seven years in Energy Audit and Conservation		
4.	Residence(with STD)	080 4224 2767		
5.	Mobile	+91 87623 25085		
6	Email address	shashidhard@gmail.com		
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	As Energy Auditor  30 <sup>th</sup> April 2007		
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	2006		
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.)	Certified Energy Auditor  EA – 2393		
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	Certificate No. - 2227		
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	No		
Remarks( if any)--Nil				

\*please attach bio data of all auditors/managers of your firm.

**\*Bio data of Consultants**

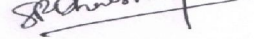
1	Name of energy auditor	Mr. Amol Chiplunkar	attach photo here
2.	Qualifications.	B.E.-Production Engg. M.Tech - Energy	
3.	Experience. (use additional sheet if required)	10 years in Energy Efficiency, Demand Side Management, Energy Audit, Bio Energy	
4.	Residence(with STD)		
5.	Mobile	+91 90280 20926	
6	Email address	amol4681@gmail.com	
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	Energy Auditor 11 <sup>th</sup> February 2010	
8	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	December - 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-10856	
10	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	Certificate No - 5317	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	No	
Remarks( if any)--Nil			

*Bio data of Consultants			
1	Name of energy auditor	Mr. Pramod Gopakumar	attach photo here
2.	Qualifications.	B.Tech – Electronics & Instrumentation	
3.	Experience. (use additional sheet if required)	9 years of experience in plant instrumentation, automated test systems and energy management systems	
4.	Residence(with STD)		
5.	Mobile	+91 99026 17433	
6	Email address	pramodgops@gmail.com	
7	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) ( if not appeared list as nil	Energy Auditor 30 <sup>th</sup> July 2009	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	May- 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-10337	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	Certificate No. 4774	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	No	
Remarks( if any)--Nil			

\*please attach bio data of all consultants of your firm.

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

Place: Dhareshwar  
Date: 05-06-2015

Signature:   
Name: Shashidhar Dhareshwar  
Designation: CEO

## ***Biodata of Energy Auditor***

### **Shashidhar Dhareshwar**

Shashidhar specialises in the field of Energy Efficiency and Renewable Energy and has more than 8 yrs of combined experience. Also he has worked as methods engineer for three years. He has comprehensive experience in energy efficiency in industries, government and commercial buildings besides' experience in Wind Energy Sector.

Shashidhar is M.Tech in Energy and B.E. in Mechanical Engineering as well as a Certified Energy Auditor, Certified Lead Auditor ISO 50001 – Energy management system and certified Accredited Professional by Indian Green Building Council.

Shashidhar is involved in conducting energy efficiency studies across different industrial sectors. He was also involved in solar water heating systems for residential and commercial buildings. He has assessed electricity generation of a solar thermal power plant and market assessment for Biomass grassfire.

Shashidhar is a Certified Energy Auditor and has worked with energy intensive industries like Manufacturing, Steel, Food industries, Bulk drug manufacturing, Mining, Heat treatment and Cogeneration plants. He has also carried out energy efficiency studies in Small & Medium scale industries related to auto ancillaries, Rubber, forging, casting, etc. He has also worked with BEE in PAT scheme and private sector organizations. He is also trained in Solar PV projects.

## *Biodata of Associate Consultants*

### **1. Mr. Amol Chiplunkar**

Amol has about **ten years of experience** in the field of **Energy Efficiency, Demand Side Management, Energy Audit, Bio Energy**. He has carried out more than 25 detailed energy audits in various sectors such as industrial, commercial and urban local bodies.

He has done BE-Production Engineering and post graduation in Energy. He is also BEE Certified Energy Auditor, EA-10856 and completed Lead Auditor Course in ISO - 500001

He has worked on the design, development and implementation of demand side management, program for Residential Pumping, Energy Audit of sugar industries, Pharmaceutical industries, Municipal water pumping, Buildings, etc. He has worked in PAT scheme for steel industries.

### **2. Mr. Pramod Gopakumar**

B.Tech- Applied Electronics and Instrumentation Engineering  
BEE Certified Energy Auditor, EA-10337

Pramod is having 9 years of experience in plant instrumentation, automated test systems and **energy management systems**. He has extensively worked on energy management system networking, boilers, machines and control room instrumentation across industries.

He has worked in cement plants, automation of processes using PLC, SCADA, Energy Monitoring systems, Boiler DCS software, Centrifuges, speed control device optimization, etc.