



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

CERTIFICATE OF EMPANELMENT

*This is to certify that **M/s. Forbes Marshall Pvt Ltd** (P.B. No. 29, Mumbai Pune Road, Kasarwadi, Pune) 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- 3715F


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

This empanelment is valid up to 06th October 2018

Issuing Date: 07/10/2015

Place: Thiruvananthapuram


Director,
Energy Management Centre Kerala

Information of firm		
1.	Name & address of the firm	Forbes Marshall Pvt. Ltd PB No.29, Mumbai-Pune Road, Kasarwadi, Pune, 411034
	Office(with STD)	020-39858555
	Mobile	
	Fax number	020-27147413
2.	Website (if any)	www.forbesmarshall.com
3.	Email address	mpradyumna@forbesmarshall.com
4.	Name ,Designation and address of Contact person	M. Pradyumna Divisional Manager Forbes Marshall Pvt. Ltd, Pune
5.	Office(with STD)	020-39858555
	Residence(with STD)	
	Mobile	020-39858555
6.	Email address	mpradyumna@forbesmarshall.com
7.	Year of establishment	1985
8.	Year of commencement of energy audit by the firm.	1992
9.	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	Forbes Marshall Pvt. Ltd IIT-M Research Park Taramani, Chennai 044-66469834 pcprakash@forbesmarshall.com

Details of Associated Energy Experts and Audits Conducted by firm


1.	Number of resource persons available		30
2.	Number of full-time energy auditors in position, with work experience of all energy auditors associated with the firm		15 Numbers, experience varying from 11years to 1year.
3.	No. of part-time energy auditors in position during the current year / previous year associated with the firm.		-
4.	Sectors in which the energy audit firm has conducted energy audits since inception and number of audits in each sector		Textile – 500+ Pharma – 300+ SEP/Refinery – 300+ Food & Beverage – 200+ Paper – 100+ Chemical – 100+ ,etc
5.	Energy audit process system (list sectors) - If no energy audit has been carried out of the process system and parameters, please list nil.		Textile, Pharma, SEP/Refinery, Food, Brewery, Beverage, Paper, Chemical, Tobacco, etc
6.	Energy audit of thermal utility system (list sectors)		Textile, Pharma, SEP/Refinery, Food, Brewery, Beverage, Paper, Chemical, Tobacco, etc
7.	Energy audit of electrical utility system (list sectors)		Textile, Pharma, Food, Brewery, Beverage, Paper, Chemical, Tobacco, etc
8.	Instruments available	(a) Electrical (list the name of the instruments)	1) Hand held Flue Gas Analyser with probe and charger for measuring Boiler Efficiency as per BS 845 – 10 nos. 2) PH/TDS Meter for measuring TDS of Boiler, Blowdown and feed water quality – 10 nos. 3) Thermal Imaging Camera – 2 no.


		<p>(b) Thermal (list the name of the instruments)</p>	<p>4) IR Temperature Gun for measuring surface temperatures (non contact type) – 16 nos.</p> <p>5) Ultrasonic leak detector – for checking steam trap performance. - 8 nos.</p> <p>6) Intrinsically Safe Ultrasonic Leak Detector Gun – for checking steam trap performance in hazardous areas – 10 nos.</p> <p>7) Hour meter – to check Boiler pump running hours – 2 nos.</p> <p>8) Anemometer – to check air velocity in various process dryers etc.- 2 nos.</p> <p>9) Temperature data loggers – 8 nos.</p> <p>10) Load Manager for power – 2 nos.</p> <p>11) Lux Meter – 2 nos.</p>
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*Bio data of Certified Energy Auditor			
1	Name of energy auditor	Suhas Deodhar	 attach photo here
2.	Qualifications.	BE Chemical	
3.	Experience. (use additional sheet if required)	16years	
4.	Residence(with STD)	-	
5.	Mobile	9881794084	
6	Email address	sdeodhar@forbesmarshall.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	18 th Nov 2005	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Feb 2005	
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 - 3702	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	1123	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	-	
Remarks(if any)--Nil			

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


***Bio data of Certified Energy Auditor**

1	Name of energy auditor	P.C.Prakash	 <p align="center">attach photo here</p>
2.	Qualifications.	BE Mechanical	
3.	Experience. (use additional sheet if required)	14years	
4.	Residence(with STD)	-	
5.	Mobile	9600129866	
6	Email address	pcprakash@forbesmarshall.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	18 th Nov 2006	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Feb 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.)	EA 5054	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	-	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	-	
Remarks(if any)--Nil			

*Bio data of Certified Energy Auditor			
1	Name of energy auditor	A. Prabakaran	 attach photo here
2.	Qualifications.	BE Chemical	
3.	Experience. (use additional sheet if required)	14 years	
4.	Residence(with STD)		
5.	Mobile	9962002179	
6	Email address	aprabakaran@forbesmarshall.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	9 th Jan 2015	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Aug 2014	
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 – 18812	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	8180	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	-	
Remarks(if any)--Nil			


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

***Bio data of Certified Energy Auditor**

1	Name of energy auditor	Shailesh Deshmukh	
2.	Qualifications.	BE Chemical	
3.	Experience. (use additional sheet if required)	14 years	
4.	Residence(with STD)	-	
5.	Mobile	9975815255	
6	Email address	ssdeshmukh@forbesmarshall.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	18 th Feb 2008	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Nov 2007	
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 – 3032	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	3032	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	-	
Remarks(if any)--Nil			

*Bio data of Certified Energy Auditor			
1	Name of energy auditor	Viswas Patil	attach photo here
2.	Qualifications.	BE Mechanical	
3.	Experience. (use additional sheet if required)	25 years	
4.	Residence(with STD)	-	
5.	Mobile	9922940250	
6	Email address	vspatil@forbesmarshall.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	10 th Aug 2007	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Apr 2007	
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 – 5397	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	2720	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	-	
Remarks(if any)--Nil			

***Bio data of Certified Energy Auditor**

1	Name of energy auditor	Chetan Supekar	
2.	Qualifications.	BE Mechanical	
3.	Experience. (use additional sheet if required)	6 years	
4.	Residence(with STD)	-	
5.	Mobile	9665384424	
6	Email address	csupekar@forbesmarshall.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	30/10/2015	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Aug 2014	
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 – 20358	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	12477	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	-	
Remarks(if any)--Nil			

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

Place: Chennai
Date: 20/06/2016

Signature:
Name:P.C.Prakash
Designation: Manager-
ESD