



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

CERTIFICATE OF EMPANELMENT

*This is to certify that **M/s. Kerala State Productivity Council (KSPC)**, (Productivity House, P.B No: 08, H.M.T Road, Kalamasery, Cochin – 683104) 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-0111F-3

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

This empanelment is valid up to 08/02/2024

Issuing Date: 09/02/2021

Place: Thiruvananthapuram

Director,
Energy Management Centre Kerala

Information of firm		
1.	Name & address of the firm	Kerala State Productivity Council (KSPC)(Accredited Energy Audit Firm by BEE, Govt. of India(AEA-0099)) Productivity House, P.B No: 08, H.M.T Road, Kalamassery, Cochin, Kerala, India. Pincode: 683104
□	Office(with STD)	+ 91 484 2555526, 2555367, 2532107
	Mobile	09847015362
	Fax number	+ 91 484 2532107
2.	Website (if any)	www.kspconline.com
3.	Email address	mail@kspconline.com
4.	Name ,Designation and address of Contact person	Sivakumar.G , Director Kerala State Productivity Council (KSPC) Productivity House, P.B No: 08, H.M.T Road, Kalamassery, Cochin, Kerala, India. Pincode: 683104
5.	Office(with STD)	+ 91 484 2555526, 2555367, 2532107
	Residence(with STD)	
	Mobile	09847015362
6.	Email address	mail@kspconline.com
7.	Year of establishment	1959
8.	Year of commencement of energy audit by the firm.	1993
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	10
2.	Number. of full-time energy auditors in position, with work experience of all energy auditors associated with the firm	7
3.	No. of part-time energy auditors in position during the current year / previous year associated with the firm.	3
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"> • Commercial Buildings -64 • Tea - 29 • Rubber -26 • Food Processing - 23 • Dairy - 11 • Textile -7 • Iron steel &Aluminium -15 • Chemical -29 • Engineering -49 • Tyre -3 • Pharma -7 • Breweries -2 • Coir -5 • Printing -5 • OIL and gas -6 • Entertainment(Water theme park)-3 • DISCOMS - 10 • Electronic Industry - 11 Total - 305
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"> • Tea • Rubber • Food Processing • Dairy • Textile • Tyre • Pharma • Breweries • Coir • Printing
6.	Energy audit of thermal utility system (list sectors)	<ul style="list-style-type: none"> • Boilers • Steam System • Industrial Furnaces • Insulation And Refractories • Waste Heat Recovery Systems
7.	Energy audit of electrical utility system (list sectors)	<ul style="list-style-type: none"> • Electric Motors • Compressed Air System • HVAC & Refrigeration System • Fans & Blowers • Pumps And Pumping System • Cooling Towers

			<ul style="list-style-type: none"> • Lighting System • DG Sets • Transformers
8.	Instruments available	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> • Three Phase power & Harmonic analyser (KRYKARD-ALM30), France • Three Phase power & Harmonic analyser (KRYKARD-ALM31), France • Three phase power analyser (Extech-382100) – FLIR, USA • Clamp – On Power meter (Meco 4500) • Lux Meter (Metravi-1330)
		(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> • Flue Gas Analyser (KM 900- Kane May) • Infrared Thermal Imaging Camera (FLIR-E40) • Infra Red Thermometer (MTX8-Metravi) • Touch type Thermometer (Multi/Metravi) • Dry & Wet Bulb Thermometer (Dimple) • Thermo Anemometer (AVM04/Metravi) • Temperature & HumidityAnalyser (Metravi)

- Please enclose biodataof all Associated Energy Experts in format given below

*Biodata of Certified Energy Auditor.		
1.	Name of energy auditor	SIVAKUMAR.G
2.	Qualifications	B.Tech (Mech), PG_Business Management, PG-Energy Management of NPC, MBA-Finance(JBIMS- Mumbai); PMP - Project Management Professional (Project Management Institute, USA)
3.	Experience. (use additional sheet if required)	More than 30years experience in consulting and project management in Manufacturing, IT and Energy(Currently Director, Kerala State Prodductivity Council) Formerly Dy. Director with National Productivity Council, India
4.	Residence(with STD)	0471-2438392
5.	Mobile	09847015362
6.	Email address	mail@kspconline.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 Nil	nil
8.	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	NA
Remarks(if any)		
Formerly senior energy management consultant with National Productivity Council, India		



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


Place: Kalamassery.

Date:15.01.2018

Signature:

Name: **Sivakumar.G**
Designation: **Director**

***Biodata of Certified Energy Auditor.**

1.	Name of energy auditor	A.P JOSE	
2.	Qualifications.	BE (Indl.Engg & Prodn.Engg); Certified Energy Auditor (Bureau of Energy Efficiency; Govt.of India)	
3.	Experience. (use additional sheet if required)	Over 27Yrs of experience in energy management and industrial engineering. At present Adl.Director of KSPC	
4.	Residence(with STD)	0484-2792567	
5.	Mobile	09447105954	
6.	Email address	mail@kspconline.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	02-1-2006 (Energy Auditor)	
8.	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	02-11-2006	
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-0464	
10.	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	1200	
Remarks(if any)			

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

Place: Kalamassery.


Date:15.01.2018

Signature:



Name: **A.P Jose**
Designation:**Additional Director**

***Biodata of Certified Energy Auditor**

1.	Name of energy auditor	K.M.SHANAVAZ	
2.	Qualifications	B.Tech(Electrical); Diploma in Industrial Safety Engineering; PG-Energy Engineering; Accredited Energy Auditor by BEE (AEA-0099); BEE Certified ECBC Master Trainer	
3.	Experience. (use additional sheet if required)	Over 14years experience in energy audit and energy conservation activities. Participated in more than 200 energy audits. Presently working as Dy.Director at KSPC	
4.	Residence(with STD)	0485-2548578	
5.	Mobile	09447816767	
6.	Email address	mail@kspconline.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	18-02-2008 (Energy Auditor)	
8.	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	18-02-2008	
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-3384	
10.	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	3039	
Remarks(if any)			

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Place: Kalamassery.

Date:15.01.2018

Signature: 

Name: **K.M Shanavaz**
Designation: **DeputyDirector**

***Biodata of Certified Energy Auditor**

1.	Name of energy auditor	SRIRAM.A	
2.	Qualifications	B.Tech (Electrical & Electronics); Diploma in Industrial Safety Engineering; Certified Energy Auditor; PG-Energy Engineering;	
3.	Experience. (use additional sheet if required)	Over 8years experience in energy audit	
4.	Residence(with STD)	0484-2349641	
5.	Mobile	09633808336	
6.	Email address	mail@kspconline.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	10.03.2017 (Energy Auditor)	
8.	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	10.03.2017	
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-20758	
10.	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	8932	
Remarks(if any)			

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

Place: Kalamassery.

Date:15.01.2018


Signature:



Name: **Sriram.A**

Designation: **Consultant**

***Biodata of Certified Energy Auditor.**

1.	Name of energy auditor	ARJUN K N	
2	Qualifications	B.Tech (Electrical and Electronics engineering)	
3	Experience. (use additional sheet if required)	Over 6years experience in Energy Audit	
4	Residence (with STD)	0484-2721284	
5	Mobile	09809071410	
6	Email address	mail@kspconline.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	Nil	
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.)	NA	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	NA	
Remarks(if any)			

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

Place: Kalamassery.

Date: 15.01.2018


Signature:



Name: **Arjun K N**

Designation: **Consultant**

***Biodata of Certified Energy Auditor.**

1.	Name of energy auditor	SREEKUMAR.T.R	
2.	Qualifications	B.Tech (Electrical and Electronics engineering)	
3.	Experience. (use additional sheet if required)	Over 5years experience in Energy Audit	
4.	Residence (with STD)	0484-2640639	
5.	Mobile	09496823044	
6.	Email address	mail@kspconline.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	Nil	
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.)	NA	
10.	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	NA	
Remarks(if any)			

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

Place: Kalamassery.

Date: 15.01.2018


Signature:



Name: **Sreekumar**

Designation: **Consultant**

***Biodata of Certified Energy Auditor.**

11.	Name of energy auditor	Ajin Paul	
12.	Qualifications	B.Tech (Mechanical); PG-Energy Management; IGBC-AP	
13.	Experience. (use additional sheet if required)	Over 2 years experience in Energy Audit	
14.	Residence (with STD)	0484-2779947	
15.	Mobile	8089217164	
16.	Email address	mail@kspconline.com	
17.	Date of certification as Energy Manager or Energy Auditor (pl specify) by Bureau of Energy Efficiency (BEE) (if not appeared list as nil	Nil	
18.	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	NA	
19.	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.)	NA	
20.	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	NA	
Remarks(if any)			

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

Place: Kalamassery.

Date: 15.01.2018

Signature:



Name: **Ajin Paul**

Designation: **Consultant**