



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

**CERTIFICATE OF EMPANELMENT**

*This is to certify that **M/s. GSH Utility Services Pvt Ltd** (No. 14, Thiru Vi Ka 3<sup>rd</sup> Street, Opposite to Kesari Higher Secondary School, Mylapore, Chennai – 600 004) 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- 4619F**

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

*This empanelment is valid up to 03<sup>rd</sup> July 2022*


*Issuing Date: 04/07/2019*

*Place: Thiruvananthapuram*

Director,  
Energy Management Centre Kerala


No	Information of Firm	
1.	Name & address of the firm	<b>GSH Utility Services Pvt Ltd</b> No.14, Thiru Vi Ka 3 <sup>rd</sup> Street Opposite to Kesari Higher Secondary School Mylapore, Chennai – 600 004
	Office ( with STD )	044 2498 9730
	Mobile	-
	Fax number	-
2.	Website (if any)	www.gshgroup.com
3.	Email address	i n f o . i n d i a @ g s h g r o u p . c o m
4.	Name , Designation and address of Contact person	<b>M Sitaraman , Chief Technical Officer</b> GSH Utility Services Pvt Ltd No.14, Thiru Vi Ka 3 <sup>rd</sup> Street Opposite to Kesari Higher Secondary School Mylapore, Chennai – 600 004
5.	Office(with STD)	044 2498 9737
	Residence(with STD)	-
	Mobile	+ 91 90031 66252
6.	Email address	m . s i t a r a m a n @ g s h g r o u p . c o m
7.	Year of establishment	2014
8.	Year of commencement of energy audit by the firm.	2014
9.	No. of branch offices  (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	6, Details attached in <b>Annexure I</b>

Details of Associated Energy Experts and Audits Conducted by firm			
1.	Number of resource persons available		6 Details attached in <b>Annexure II</b>
2.	Number of full-time energy auditors in position, with work experience of all energy auditors associated with the firm		6 Total – 46 + years of experience Details attached in <b>Annexure II</b>
3.	No. of part-time energy auditors in position during the current year / previous year associated with the firm.		Nil
4.	Sectors in which the energy audit firm has conducted energy audits since inception and number of audits in each sector		Agriculture & Aquaculture, Automotive, Cement, Chemical, Commercial Building, Heritage Building, Fertilizer, Foods & Beverages, Manufacturing, Mining, Oil & Gas, Paint, Paper & Pulp, Pharmaceuticals, Power Plant, Pumping Station, Rubber, Shipbuilding, Textile, Tyre
			Total Number of Audits - <b>93</b> Number of audit conducted in each sector is enclosed in <b>Annexure III</b>
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)		Agriculture & Aquaculture, Automotive, Cement, Chemical, Fertilizer, Foods & Beverages, Manufacturing, Oil & Gas, Paint, Paper & Pulp, Pharmaceuticals, Power Plant, Rubber, Shipbuilding, Textile, Tyre
7.	Energy audit of electrical utility system (list sectors)		Agriculture & Aquaculture, Automotive, Cement, Chemical, Commercial Building, Heritage Building, Fertilizer, Foods & Beverages, Manufacturing, Mining, Oil & Gas, Paint, Paper & Pulp, Pharmaceuticals, Power Plant, Pumping Station, Rubber, Shipbuilding, Textile, Tyre
8.	Instruments available	(a) Electrical (list the name of the instruments)	Attached in <b>Annexure IV</b>
		(b) Thermal (list the name of the instruments)	

<b>*Bio data of Certified Energy Auditor</b>			
1	Name of energy auditor	Dr R Sethumadhavan	
2	Qualifications.	Ph.D , MBA	
3	Experience. (use additional sheet if required)	34+ years, Details attached in <b>Annexure V</b>	
4	Residence(with STD)	-	
5	Mobile	89391 93034	
6	Email address	rsm@gshgroup.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)	Apr 2007	
8	Date of passing the examination in “Energy Performance Assessment for Equipment and Utility Systems”	Apr 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 - 4860	
10	Certificate Registration Number of (i) Energy Manager (ii) “Energy Performance Assessment for Equipment and Utility Systems”	3240	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No	No	
<b>Remarks( if any)—Nil</b>			

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

**\* Bio data of Certified Energy Manager**

1	Name of energy auditor	Akbar Ziyad PM	
2	Qualifications.	M E	
3	Experience. (use additional sheet if required)	6 + years, Details attached in <b>Annexure V</b>	
4	Residence(with STD)	0481 2429 279	
5	Mobile	94963 22403	
6	Email address	Akbar.Ziyad@gshgroup.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 )	17 <sup>th</sup> May 2019	
8	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	-	
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.)	EM-10483	
10	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	15475 /19	
11	Are you a BEE accredited Energy auditor. If so: Date of accreditation Accreditation No.	No	
<b>Remarks( if any)—Nil</b>			

\*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:

Signature :

Date:

Name :

Designation :

**ANNEXURE I**

**DETAILS OF BRANCH OFFICES**

No	Location	Address	Contact Person	Contact	
				Phone	Email ID
1	Ahmedabad, Gujarat	GSH (India) Pvt, Ltd Unit No.407, Symmers Business Park Off. Yellow Lime Hotel Sarkhej Ahmedabad - 382210	Sunitha Narayan	75748 91967	sunitha.narayan@gshgroup.com
2	Bengaluru, Karnataka	GSH (India) Pvt, Ltd # 442, 6 <sup>th</sup> B Main, 2 <sup>nd</sup> Block Outer Ring Road,Chellikere HRBR Layout Bengaluru - 560043	Babu Prakash	80494 09730	Babu.Prakash@gshgroup.com
3	Kolkata, West Bengal	GSH (India) Pvt, Ltd 214- Prince Anwar Shah Road,1 <sup>st</sup> Floor PS - Lake Kolkata - 700045	R K Gupta	99031 87909	Ranjan.G@gshgroup.com
4	Mumbai, Maharashtra	GSH (India) Pvt, Ltd Unit 215, B Wing Pranik Chambers Saki Vihar Road, Sakinaka Mumbai - 400072	Vinayak Yadav	91672 00687	Vinayak.Yadav@gshgroup.com
5	Noida, Uttar Pradesh	GSH (India) Pvt, Ltd of. No 1005, 10 <sup>th</sup> Floor, Tower A-1, Ansal API Corporate Park, Sector- 142, Noida Gautam Budh Nagar U P - 201305	Aman MD	98919 84915	md.aman@gshgroup.com
6	Pune, Maharashtra	GSH (India) Pvt, Ltd Unit No.211, 2 <sup>nd</sup> Floor, Zen Busines Center, Near Bhumkar Chowk,Wakad Pune – 411057	Shyam Bhegade	74100 94056	Shyam.Bhegade@gshgroup.com

## ANNEXURE II

### DETAILS OF FULL TIME ENERGY AUDITORS

No	Name & Designation	Professional Qualification & Year of Passing	Post Qualification Experience ( years )	Years of experience in Energy Auditing	Whether BEE Certified Auditor Specify BEE Certification No
1	R. Sethumadhavan Sr. Director - Energy	Ph D M.B.A, 1983	34 +	35	E A - 4980
2	Kalaiventhan K Manager- Operations	M E : 2017	2	2	-
3	Akbar Ziyad P M Executive - Energy	M E : 2016	6+	3	E M - 10483
4	R. Harikrishnan Energy Specialist	B E : 2017	2	2	-
5	D. Pradeep Kumar Energy Specialist	M E : 2018	1 +	1	-
6	Baghubali Abishek K Energy Specialist	M E : 2018	1	1	-

**ANNEXURE III**  
**AUDIT DETAILS**

No	Sector	Energy Audit *	No of Audits conducted
1	Agriculture & Aquaculture	Both	1
2	Automotive	Both	1
		Electrical	2
3	Cement	Both	4
		Electrical	1
4	Chemical	Both	1
		Electrical	1
5	Commercial Building	Electrical	13
6	Heritage Building	Electrical	1
7	Fertilizer	Both	1
8	Food & Beverages	Both	8
		Electrical	3
9	Manufacturing	Both	28
		Electrical	4
10	Mining	Electrical	2
11	Oil & Gas	Both	1
12	Paint	Both	1
		Electrical	1
13	Paper and Pulp	Both	4
14	Pharmaceutical	Both	3
15	Power Plant	Both	1
		Electrical	1
16	Pumping Station	Electrical	1
17	Rubber	Both	1
18	Shipbuilding	Electrical	2
19	Textile	Both	1
20	Tyre	Both	5
<b>Total</b>			<b>93</b>

\* **Electrical / Thermal / Both**



## AUDIT-CLIENT DETAILS

No	Sector	Energy Audit*	Name of the Organization	Year
1	Agriculture & Aquaculture	Both	Karma Feeds Pvt Ltd. Pheuntsholing, Bhutan	2015
2	Automotive	Both	BMW India, Chennai,Tamil Nadu	2018
3		Electrical	INEOS Styrolution India Ltd,Ahmedabad, Gujarat	2017
4			TATA Auto Components Ltd ,Pune, Maharastra	2017
5	Cement	Both	India Cements , Tirunelveli,Tamil Nadu	2015
6			India Cements , Salem,Tamil Nadu	2015
7			Penden Cement Pvt. Ltd, Gomtu,Bhutan	2015
8			Lhaki Cement, Gomtu, Bhutan	2015
9		Electrical	Druk Cement Co. Pvt. Ltd, Pasakha, Bhutan	2015
10	Chemical	Both	Bhutan Bitumen Industries Pvt. Ltd, Pasakha, Bhutan	2015
11		Electrical	Bhutan Carbide & Chemicals Ltd. Pasakha, Bhutan	2015
12	Commercial Building	Electrical	Adani House, Ahmedabad ,Gujurat	2014
13			Digivive India Pvt Ltd, New Delhi	2014
14			Himachal Futuristic Communication Ltd. Gurugram,Haryana	2014
15			Genesis Colours Pvt Ltd, Gurugram	2015
16			SABIC R&D Centre, Bengaluru,Karnataka	2015
17			Apollo Hospital, Madurai,Tamil Nadu	2016
18			Givaudan India Pvt Ltd, Bengaluru, Karnataka	2016
19			AON India, Chennai,Tamil Nadu	2017
20			Airtel Centre, Gurugram,Haryana	2018
21			Omega Centre, Gurugram ,Haryana	2018
22			Pavilion Mall, Ludhiana,Punjab	2018
23			Qutab Garden, New Delhi	2018
24			Sigma Centre, Gurugram,Haryana	2018
25	Heritage Building	Electrical	Sardar Patel National Memorial, Ahmedabad	2015

No	Sector	Energy Audit*	Name of the Organization	Year	
26	Fertilizer	Both	Gujarat State Fertilizers & Chemicals Ltd ,Vadodara,Gujarat	2017	
27	Food & Beverages	Both	Drangchu Beverages Pvt Ltd, Pheuntsholing, Bhutan	2014	
28			Bhutan Milk and Agro Pvt Ltd,Pheuntsholing,Bhutan	2015	
29			Bhutan Brewery Pvt Ltd, Pasakha,Bhutan	2015	
30			Tashi Beverages Pvt. Ltd, Pasakha, Bhutan	2015	
31			Zimdra Food Pvt. Ltd, Pasakha, Bhutan	2015	
32			Roquette Ridhi Sidhi Pvt. Ltd, Viramgam,Gujarat	2018	
33			Kaleesuvari Refinery Pvt. Ltd, Palani	2019	
34			Roquette Ridhi Sidhi Pvt. Ltd Pantnagar,Uttarakhand	2019	
35			Electrical	Bhutan Himalayan Water Pvt. Ltd, Pugli, Bhutan	2015
36		Kenpa Pvt. Ltd, Pasakha, Bhutan		2015	
37		Roquette Ridhi Sidhi Pvt. Ltd, Gokak,Karnataka		2018	
38		Manufacturing	Both	Tube Investment of IndiaLtd, Shirwal ,Maharashtra	2014
39				Bhutan Rolling Mills Ltd , Pasakha, Bhutan	2015
40	Electrical		Shanthi Gears Foundry, Coimbatore, Tamil Nadu	2015	
41	Manufacturing	Electrical	Modine Thermal System, Chennai, Tamil Nadu	2014	
42			Bhutan Boards Pvt. Ltd, Pasakha, Bhutan	2015	
43			Bhutan Packaging Industry, Pheuntsholing, Bhutan	2015	
44			Bhutan Crushing Unit, Pugli, Bhutan	2015	
45			Bhutan Ferro Alloys Ltd, Pasakha, Bhutan	2015	
46			Druk Wong Alloys,Pasakha,Bhutan	2015	
47			Druk Ferro Alloys Pvt. Ltd, Pasakha, Bhutan	2015	
48			JIGMI Industries Pvt. Ltd, Pugli, Bhutan	2015	
49			Quality Gases Pvt. Ltd. Pasakha, Bhutan	2015	
50			RSA ( Poly Products ) Pvt. Ltd, Pheuntsholing, Bhutan	2015	
51			RSA Pvt. Ltd ( Marble Processing Unit ), Pasakha, Bhutan	2015	
52			Shanti Gears Ltd C& C1 Unit, Coimbatore, Tamil Nadu	2015	
53			Shanti Gears Ltd A & B Unit , Coimbatore, Tamil Nadu	2015	
54			Yarab Pvt Ltd, Phuentsholing, Bhutan	2015	
55	Manufacturing	Both	TI Diamond Chains, Hyderabad ,Telehgana	2014	
56			TI Diamond Chains, Uttarakhand	2014	

No	Sector	Energy Audit*	Name of the Organization	Year
57		Electrical	Sanmar Foundry, Trichy, Tamil Nadu	2014
58			TI Diamond Chains, Chennai ,Tamil Nadu	2014
59			Bhutan Polymers Co Ltd, Gomtu, Bhutan	2015
60			Bhutan Polythene Co Ltd, Pheuntsholing, Bhutan	2015
61			Bhutan Concast Pvt. Ltd, Pasakha, Bhutan	2015
62			Bhutan Alloys Steel Castings, Pasakha, Bhutan	2015
63			Bhutan Silicon Metal ( P ) Ltd. Pasakha, Bhutan	2015
64			Lakhi Steel & Rolling Pvt. Ltd, Pasakha, Bhutan	2015
65			Pelden Enterprises Ltd, Pasakha, Bhutan	2015
66			Rabten Wire Industry, Pasakha, Bhutan	2015
67			Saint Gobain Ceramic Material Pvt. Ltd, Pasakha, Bhutan	2015
68			SKW Tashi Metals & Alloys Pvt. Ltd, Pasakha, Bhutan	2015
69			Ugin Ferro Alloys Pvt. Ltd, Pasakha, Bhutan	2015
70			Mining	Electrical
71	Penden Mining Corporation Ltd. Pugli, Bhutan	2015		
72	Oil & Gas	Both	Oil and Natural Gas Corporation, Surat,Gujarat	2018
73	Paint	Both	Kansai Nerolac Paints Ltd, Bawal,Haryana	2018
74		Electrical	Kansai Nerolac Paints Ltd, Hosur ,Tamil Nadu	2015
75	Paper and Pulp	Both	JK Paper Ltd ,Jayakapur,Odisha	2015
76			International Papers APPM Ltd, Rajahmundry,Andhra Pradesh	2015
77			ITC Ltd- Paperboards and Speciality Paper Division, Bhadrachalam	2015
78			Star Paper Mill Ltd , Saharanpur, Uttar Pradesh	2017
79	Pharmaceutical	Both	Nirlife Healthcare Pvt Ltd, Viramgam, Gujrat	2015
80			Shiva Pharma ,Dahej,Gujarat	2017
81			Shiva Pharma ,Luna ,Rajasthan	2017

No	Sector	Energy Audit*	Name of the Organization	Year
82	Power Plant	Both	Torrent Power Ltd, Sabarmathi, Gujarat	2018
83		Electrical	Chhukha Hydro Power Plant, Chhukha, Bhutan	2015
84	Pumping Station	Electrical	Gujarat Water Supply and Sewerage Board, Gujarat ( 89 locations)	2018-19
85	Rubber	Both	Rubek Balloons Pvt Ltd, Ernakulam ,Kerala	2015
86	Shipbuilding	Electrical	L &T Ship Building ,Chennai, Tamil Nadu	2016
87			L & T Shipbuilding ,Chennai, Tamil Nadu	2019
88	Textile	Both	AYM Syntex Ltd, Silvassa Dadra and Nagar Haveli	2017
89	Tyre	Both	JK Tyres & Industries Ltd, Chennai, Tamil Nadu	2014
90			TVS Tyres,Rudrapur, Uttarakhand	2014
91			ATG Tires, Tirunelveli,Tamil Nadu	2016
92			JK Tyres & Industries Ltd, Chennai, Tamil Nadu	2016
93			JK Tyres & Industries Ltd, Chennai, Tamil Nadu	2019

**\* Electrical / Thermal / Both**

## ANNEXURE IV

### INSTRUMENTS LIST

No	Description of the Measuring Equipment	Make & Model No	Serial No	Range / Capacity
<b>I MEASURING INSTRUMENTS – ELECTRICAL</b>				
1	Power Quality Analyser	Fluke & 435	24271108	NA
2	Portable Load Manager	Krykard & ALM 20	106804 LBH	Power Supply : 110 - 50V, AC 50 / 60 Hz, 30 VA
3		Krykard & ALM 35	215371	Power Supply: 110-250V, AC 50 / 60 Hz, 30 VA
4	Portable Load Manager ( Single Phase )	Krykard & ALM 10	103069	Power Supply: 110-250V, AC 50 / 60 Hz, 30 VA
5		Krykard & ALM 10	100568	Power Supply: 110-250V, AC 50 / 60 Hz, 30 VA
6	Clamp Meter	Fluke & 362	24610114WS	0 TO 600 VOLTS
7	Clamp Tester	Lutron - DM - 6046	I.30024	600 V, 200 A, 2000 ohm
8		Metravi DT2255	100102713	NA
9	Hand Held Power Clamp Meter	Krykard & F 09	119898 JCV	NA
10	Digital Earth Resistance Tester	Cambridge - DET 2000	200011607	NA
11	Earth Tester	Cambridge – CIE / 222 / M	21257	NA
12	Insulation Tester	RISHAB & INSU10	120340	1000V / 5M - 2G
13	Analog-Digital Insulation Tester	RISHAB & INSU10	25244138	1000V / 5M - 2G
14	Earth Clamp Tester	Meco & 4680 blc		
15	Digital Earth Tester	W A C O	336704	0 – 1000 W
<b>LIGHT INTENSITY METER</b>				
16	Lux Meter	LUTRON & LX-101A	Q891084	0 TO 50000 Lux
17	Lux Meter	LUTRON & LX-101A	Q814771	0 TO 50000 Lux
18	Light Intensity Meter	TESTO 540	39043185 / 310	0 - 99999 Lux
<b>II MEASURING INSTRUMENTS – THERMAL</b>				
19	Ultrasonic Water Flow Meter	EESIFLO	PUFM- 44100714	FLUIDS - M3 / HR
20	Ultrasonic Flow Meter	Siemens	NA	0 -240 °C
<b>FLUE GAS PARAMETER ANALYZER</b>				
21	Flue Gas Analyzer	Kane & 900 PLUS	020614346	NA
22		Kane & 900 PLUS	23014303	NA
<b>AIR FLOW MEASUREMENT DEVICES</b>				
23	Vane Type Anemometer	Testo 416	02817414	0- 40 m/s
24	Hotwire Anemometer – Testo	Testo 425	02827806	0-20m/s
25	Hot Wire Anemometer	Lutron AM 4204	Q817831	NA
<b>PRESSURE MEASUREMENT DEVICES</b>				
26	Pitot Tube	S Type	NV/21/14	NA
27	Pitot Tube ( Long )	L Type	NV/21/14	NA
28	Pitot Tube ( Small )	L Type	NV/21/14	NA
29	Digital Manometer	HTC	PM 6202	NA

No	Description of the Measuring Equipment	Make & Model No	Serial No	Range / Capacity
30	Testo 512 – Manometer	Testo 512	AD461366/411	0-200 hPa
31	Digital Manometer	Lutron - PM 9100	Q605704	+/- 2000 mBar
32	Analog Pressure Gauge	A Lot	301036843	FROM 0-10.6 KG / CM2
33		Excel	EN 837 - 1	FROM 0-7KG / CM3
34		Excel	EXL - 161044L	FROM 0-10.6 KG / CM4
35		Guru	NA	FROM 0-10.6 KG / CM2
<b>TEMPERATURE INDICATOR - NON CONTACT</b>				
36	Thermal Imager- Fluke with Charger	Fluke & Ti105_9HZ	514110136	from -20 to 250 Oc
37	IR Thermometer	Fluke - RAYTEK	21110102	-18 DEG TO 400 DEG CELCIUS
<b>TEMPERATURE INDICATOR – CONTACT</b>				
38	Multi - Stem Digital Thermometer	Multi	ST - 9283	-50 DEG TO 300 DEG CELCIUS
39	Two channel thermometer - Testo	Testo 922	0560.9221336 29135 / 407	-50 to 1000 oC
40	Two channel thermometer- Testo	Testo 922	0560.9221336 29268 / 407	-50 to 1000 oC
41	Surface P O B E ( 2 Channel Thermometer )	Testo 06020593	02142108	NA
42	Immersion Probe ( 2 Channel Thermometer )	Testo 06020693	02142107	NA
43	Glass Thermometer ( Mercury )	-		0-110 <sup>0</sup> c
<b>IAQ &amp; RH</b>				
44	Sling Psychrometer	Dimple	NA	0 TO 50 DEG CELC
45	Sling Psychrometer	Dimple	NA	0 TO 50 DEG CELC
46	Indoor Air Quality Meter	Rotronic - CP11	61275923	NA
47	RH Data Logger	H T C		
48	RH Data Logger	H T C		
49	RH Data Logger	H T C	103-CTH	-50 DEG TO 70 DEG CELCIUS, Relative Humidity - 10 TO 90 %
<b>* PREVENTIVE MAINTENANCE</b>				
50	Ultrasonic Thickness Gauge	Time & TT100	NA	NA
51	Vibration Meter	Fluke & 805	23070029	NA
52	Sound Level Meter	Lutron & SL4010	2011069995	LO = 30 TO 100dB, HI = 60 TO 130 Db
53	Ultrasonic Leak Detector	JORC ,locator	NA	from 0 to 70dB
<b>* RPM MEASUREMENT METER</b>				
54	Digital Phototype Tachometer	Systems	13-1260	60 TO 100000 RPM
55	RPM Analyser	Testo 470	470	NA
<b>* WATER QUALITY METER</b>				
56	pH Meter	Henna	pH98107	0.1 - 14 pH

**\* Additional mechanical instruments**

**ANNEXURE V**  
**BIODATA OF AUDITORS**

1	Name of Energy Auditor	Dr R Sethumadhavan	
2	Qualifications	Ph.D, M.B.A	
3	Experience	34 + years	
4	Residence ( with S T D )	-	
5	Mobile	+ 91 89391 93034	
6	Email	<a href="mailto:rsm@gshgroup.com">rsm@gshgroup.com</a>	
7	Certification Number of Energy Auditor	E A - 4 9 8 0	
8	<b>Employment Record</b>		
<b>From</b>	<b>To</b>	<b>Organization</b>	<b>Positions Held</b>
1982	1985	Jyoti Ltd, Vadodara	Asst. Development Engineer
1985	1987	School of Energy, Bharathidasan University, Trichy	Research Investigator
1987	1996		Reader
1996	1999	Centre for University Industry Collaboration ( CUIC ) Anna University, Chennai	Coordinator ( Asst. Prof. Cadre )
1999	2003	Institute for Energy Studies ( IES ), Anna University	Asst. Professor
2003	2017	Institute for Energy Studies ( IES ), Anna University	Professor
2017	Till Date	GSH Energy Services Pvt. Ltd., Chennai	Sr Director - Energy

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



Date : 16.07.2019

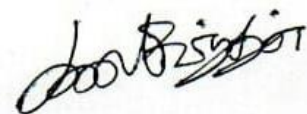
Name : R Sethumadhavan

Place : Chennai

Designation : Sr Director - Energy

1	Name of Energy Auditor	Kalaiventhan K	
2	Qualifications	M E - Energy Engineering	
3	Experience	2 years	
4	Residence ( with STD )	-	
5	Mobile	( +91 ) 97914 62695	
6	Email	kalai@gshgroup.com	
7	Certification Number of Energy Auditor	-	
8	<b>Employment Record</b>		
<b>From</b>	<b>To</b>	<b>Organization</b>	<b>Positions Held</b>
2017 (July)	2017 (Sep)	SS Renewable Cogen Pvt Ltd, Chennai	Energy Engineer
2017 (Oct)	2017 (Dec)	GSH Energy Services Pvt Ltd, Chennai	Energy Specialist
2017 (Dec)	Till Date	GSH Utilities Services Pvt Ltd	Manager- Operations

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



Date : 16. 07.2019

Name : Kalaiventhan K

Place : Chennai

Designation : Manager - Operations



1	Name of Energy Auditor	Akbar Ziyad PM	
2	Qualifications	M E - Energy Engineering	
3	Experience	6 years	
4	Residence ( with STD )	( +91 ) 481 2429279	
5	Mobile	( +91 ) 94963 22403	
6	Email	Akbar.Ziyad@gshgroup.com	
7	Certification Number of Energy Manager	EM-10483	
8	<b>Employment Record</b>		
<b>From</b>	<b>To</b>	<b>Organization</b>	<b>Positions Held</b>
2010	2013	The Mathrubhumi Printing & Publishing Co. Ltd, Kerala	Asst. Engineer Production
2016 (May)	2016 (Oct)	GSH Energy Services Pvt. Ltd., Chennai	Executive - Energy
2016 (Nov)	Till Date	GSH Utilities Services Pvt. Ltd., Chennai	Executive - Energy

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



Date : 16.07.2019

Name : Akbar Ziyad P.M

Place : Chennai

Designation : Executive - Energy

1	Name of Energy Auditor	R Harikrishnan	
2	Qualifications	B E - Mechanical Engineering	
3	Experience	2 years	
4	Residence ( with S T D )	-	
5	Mobile	+ 91 78239 22272	
6	Email	<a href="mailto:hari@gshgroup.com">hari@gshgroup.com</a>	
7	<b>Employment Record</b>		
<b>From</b>	<b>To</b>	<b>Organization</b>	<b>Positions Held</b>
2017	Till Date	GSH Energy Services Pvt. Ltd., Chennai	Energy Specialist

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

Date : 16.07.2019

Place : Chennai



Name : R Harikrishnan

Designation : Energy Specialist

1	Name of Energy Auditor	D Pradeep Kumar	
2	Qualifications	M E - Energy Engineering	
3	Experience	1+ year	
4	Residence ( with S T D )	-	
5	Mobile	+ 91 97895 45698	
6	Email	Pradeepkumar.D@gshgroup.com	
7	<b>Employment Record</b>		
<b>From</b>	<b>To</b>	<b>Organization</b>	<b>Positions Held</b>
2018	Till Date	GSH Energy Services Pvt Ltd., Chennai	Energy Specialist

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



Date : 16.07.2019

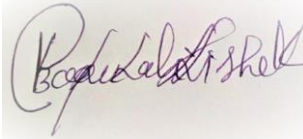
Name : D Pradeep Kumar

Place : Chennai

Designation : Energy Specialist

1	Name of Energy Auditor	Baghubali Abishek K	
2	Qualifications	M E - Energy Engineering	
3	Experience	1 year	
4	Residence ( with S T D )	-	
5	Mobile	+ 91 97894 02633	
6	Email	Abishek.K@gshgroup.com	
7	<b>Employment Record</b>		
<b>From</b>	<b>To</b>	<b>Organization</b>	<b>Positions Held</b>
2018	Till Date	GSH Energy Services Pvt. Ltd., Chennai	Energy Specialist

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



Date : 16.07.2019

Name : Baghubali Abishek K

Place : Chennai

Designation : Energy Specialist