

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

## CERTIFICATE OF EMPANELMENT

This is to certify that M/s TQ Services – A Division of Tata Projects Limited, (2nd Floor, Varun Towers – 1, Begumpet, Hyderabad - 500 016) 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- 0311F-1

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

This empanelment is valid up to 31st August 2017

Issuing Date: 05/11/2014

Place: Thiruvananthapuram

Director,

Energy Management Centre Kerala

											Inf	orm	ati	on	of f	firm	)												
1.	Name &	ado	Ires	s c	of th	ne 1	firm					A 21	Dir nd f	loor	on o ,Va	run	tow	ers	1	ts Li		d.							
	Office(w	ith	STE	))								+	91	040-	672	2588	800												
	Mobile											09	09948436678																
	Fax num	ber	•									+	+ 91 040 - 66318806																
2.	Website	(if	any	')								W	/WV	v.ta	ata	pro	jec	ts.	C	om									
3.	Email address	t	р	I	q	S	@	t	а	t	а	р	r	0	j	е	С	t	,	S.	С	0	m						
4.	Name, D and add					ıct p	oerso	on				To 2r H	Q S d Fl yde	ervi	ces Var ad	a di run <sup>-</sup>	visi Tow	on o	of	iness Tata 1, E	Pro	ject	s Lin et,	nite	d				
5.	Office(w	ith	STE	))								+	91	040	-672	2588	300												
	Residence	e(v	vith	ST	D)							+	91	040	-661	1735	581												
	Mobile											09	994	843	667	8													
6.	Email address	t	p	1	q	s	@	t	a	t	a	p	r	О	j	e	c	t	5	S .	c	О	m						
7.	Year of e	esta	blis	hm	ent							1	979	9															
8.	Year of on the firm.	com	me	nce	eme	ent (	of er	nerç	ду а	udi	it by	D	ece	emb	er 2	2010	0												
9.	No. of br (List of heads of fax and	co	omp bra	lete	e a	ffice	es w					Α		ran			es,	lis	t e	encl	ose	d –	As į	per	•				

	Details of	Associated Energy Expe	rts and Audits Conducted by firm
1.	Number of resource	e persons available	10 Nos
2.		e energy auditors in position, with of all energy auditors associated	03 Nos
3.		energy auditors in position during previous year associated with the	07 Nos
4.	Sectors in which conducted energy number of audits in	y audits since inception and	Building-12 Process Industries- 2 Chemical-1 Power Generation-2 Mines-1 Transmission and Distribution-1
			Fabrication and Manufacturing-1
5.	energy audit has	cess system (list sectors) - If no been carried out of the process eters, please list nil.	As per Above
6.	Energy audit of the	ermal utility system (list sectors)	Process, Power Generation, Chemical
7.	Energy audit of ele	ectrical utility system (list sectors)	Process, Thermal Power Plant, Chemical, Fabrication and Manufacturing and Commercial Building.
8.	Instruments available	(a) Electrical (list the name of the instruments)	Digit Multi Meter Digital Multi Meter Clamp On Multi Meter Power Analyzer Clamp on Meter True RMS Power Meter Lux Meter Digital Lux Meter
		(b) Thermal (list the name of the instruments)	Humidity Meter Ultrasonic Leak Detector Digital Thermometer Control & Sys. Anemometer Sound Level Meter Gas analyzer Ultrasonic Flow Meter Manometer

		*Bio data of Cert	ified Energy Auditor	
1	Name of ener	gy auditor	K V S N Rao	
2.	Qualifications.		B. E (Electrical)	
3.	Experience. (u	use additional sheet if	20 Years	
4.	Residence(w	rith STD)	0891 – 2746070	
5.	Mobile		07661062060	( To )
6	Email address	narayanraokvs@tataprojects	s.om	
7	or Energy Aud	cation as Energy Manager litor (pl specify) by Bureau of ncy (BEE) ( if not appeared	24 Feb '2009	
8	"Energy Perfo	ng the examination in rmance Assessment for d Utility Systems"	Nov'2008	
ω	(i) Energy Mar (ii) "Energy Pe Equipment an (In case of Ce	Registration Number of mager erformance Assessment for d Utility Systems" ertified Energy Auditor, EA Registration No.)	EA-9064	
10	(i) Energy Mar	gistration Number of nager erformance Assessment for d Utility Systems"	No. 4192	
11	If so:	E accredited Energy auditor. of accreditation ditation No.	No	
		Re	marks( if any)Nil	

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

Place: Hyderabad Name: K. Venkata Sai Narayana Rao

Designation: Sr Manager.

		*Bio data of	Consultants	
1	Name of er	nergy auditor	Milind V Khati	
2.	Qualification	ns.	MIE (Electrical), C. Eng	
3.	Experience. required)	. (use additional sheet if	20 Years	
4.	Residence(	with STD)	022 – 25861161	
5.	Mobile		9820521053	(20)
6	Email address	mvkhati@tataprojects.co	om	
7	Manager of specify) by	ification as Energy r Energy Auditor (pl Bureau of Energy 3EE) ( if not appeared	18/02/2008 (Energy Manager) 24/02/2009 (Energy Auditor)	
8	"Energy Per	sing the examination in rformance Assessment ent and Utility Systems"	24/02/2009	
9	(i) Energy M (ii) "Energy Assessmen Utility Syste ( In case of	Performance t for Equipment and	EA – 8531	
10	(i) Energy M (ii) "Energy Assessmen Utility Syste	Performance t for Equipment and	2841 4141 No	
		of accreditation editation No.	arks( if any)Nil	

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

Place: Mumbai Name: Milind V Khati

Designation: Asst. General Manager.

		*Bio data of	Consultants	
1	Name of er	nergy auditor	Venkata Siva Rama Krishna Puppala	
2.	Qualification	ns.	BE (Electrical)	
3.	Experience. required)	(use additional sheet if	For Detail PI refer attached CVs	
4.	Residence(\	with STD)	-	
5.	Mobile		09490835145	attach photo here
6	Email address	ramakrishnapvs@tatapro	ojects.com	prioto riere
7	Manager or specify) by I	ification as Energy r Energy Auditor (pl Bureau of Energy BEE) ( if not appeared list	Sep'2012	
8	"Energy Per	sing the examination in formance Assessment ent and Utility Systems"	Sep'2012	
9	(i) Energy M (ii) "Energy for Equipme ( In case of	Registration Number of fanager Performance Assessment ent and Utility Systems" Certified Energy Auditor, e CEA Registration No.)	EA-14476	
10	(i) Energy M (ii) "Energy	Registration Number of lanager Performance Assessment ent and Utility Systems"	EA-14476	
11	auditor. If so: Date	EE accredited Energy of accreditation editation No.	No	
		Rema	rks( if any)Nil	

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

Place: Vizag

Name: Venkata Siva Rama Krishna Puppala

Designation: Manager.

		*Bio data of	Consultants	
1	Name of en	nergy auditor	I V R KUMAR	
2.	Qualification	ns.	B.E. (Electrical & Electronics)	
3.	Experience. required)	(use additional sheet if	28+	
4.	Residence(v	with STD)		
5.	Mobile		+91 94400 53323	attach photo here
6	Email address	ivramesh@yahoo.com		prioto riere
7	Manager or specify) by E	ification as Energy Energy Auditor (pl Bureau of Energy BEE) ( if not appeared list	6th April 2005	
8	"Energy Per	sing the examination in formance Assessment ent and Utility Systems"		
9	(i) Energy M (ii) "Energy I for Equipme ( In case of	Registration Number of lanager Performance Assessment ent and Utility Systems" Certified Energy Auditor, CEA Registration No.)	EA-0628	
10	(i) Energy M	Registration Number of lanager Performance Assessment and Utility Systems"	EA-0628	
11	auditor. If so: Date	EE accredited Energy of accreditation editation No.	Yes 26 <sup>th</sup> Feb'2013 AEA 0064	
		Rema	rks( if any)Nil	

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

Place: Hyderabad Name: I V R KUMAR

Designation: Accredited Energy auditor.

		*Bio data of	Consultants	
1	Name of ener	rgy auditor	Ankem Rama Mohan Rao	
2.	Qualifications		BE, MIE,.	
3.	Experience. (u	use additional sheet if	35+	
4.	Residence(wit	th STD)	040 – 27643078	
5.	Mobile		9246379174	
6	Email address	ankem_kriti@yahoo.co	in	
7	Manager or E specify) by Bu	cation as Energy Energy Auditor (pl ureau of Energy EE) ( if not appeared list	2005 Energy auditor	
8	"Energy Perfo	ng the examination in ormance Assessment t and Utility Systems"	2005	
9	(i) Energy Mai (ii) "Energy Pe for Equipment ( In case of Ce	Registration Number of nager erformance Assessment t and Utility Systems" ertified Energy Auditor, CEA Registration No.)	EA-3591	
10	(i) Energy Mai	gistration Number of nager erformance Assessment and Utility Systems"	EA-3591	
11	auditor. If so: Date of	E accredited Energy  f accreditation litation No.	No. rks( if any)Nil	

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

Place: Hyderabad

Name: Ankem Rama Mohan Rao

Designation: Energy auditor.

Signature

:

		*Bio data of	Consultants	
1	Name of ener	gy auditor	G. Harihara Iyer	
2.	Qualifications.		1. AMIE Mining Engg	
3.	Experience. (u	se additional sheet if required)	45 Years – industrial / Mining 6 years Energy Audit	
4.	Residence(wit	h STD)		
5.	Mobile		09337847958/09701810908	attach photo here
6	Email address	harihara.iyer@gmail.com		
7	Energy Audito	ation as Energy Manager or r (pl specify) by Bureau of ncy (BEE) ( if not appeared list	2006	
8		g the examination in "Energy Assessment for Equipment and "	2006	
9	(i) Energy Mar (ii) "Energy Pe Equipment and	rformance Assessment for d Utility Systems" ertified Energy Auditor, please	EA-1341	
10	(i) Energy Mar	gistration Number of nager rformance Assessment for d Utility Systems"	EA-1341	
11	If so:	accredited Energy auditor. of accreditation ditation No.	No arks( if any)Nil	

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

Place: Hyderabad Name: G. Harihara lyer Designation: Energy auditor.

		*Bio data of	Consultants	
1	Name of ener	gy auditor	T N S Narayanan	
2.	Qualification	ns.	BTech Electrical	
3.	Experience. required)	(use additional sheet if	Attached	
4.	Residence(\	with STD)	040 – 27643078	
5.	Mobile		9388732355	attach
6	Email address	tnsnarayanan@yahoo.com	n	photo here
7	Manager or specify) by I	ification as Energy Energy Auditor (pl Bureau of Energy BEE) ( if not appeared list	2008 Energy auditor, 2006 energy manager	
8	"Energy Per	sing the examination in formance Assessment ent and Utility Systems"	2008	
9	(i) Energy M (ii) "Energy for Equipme ( In case of	n Registration Number of lanager Performance Assessment ent and Utility Systems" Certified Energy Auditor, e CEA Registration No.)	EA 4187	
10	(i) Energy M (ii) "Energy	Registration Number of lanager Performance Assessment and Utility Systems"	EA 4187	
11	auditor. If so: Date	EE accredited Energy of accreditation editation No.	No. rks( if any)Nil	

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

Place: Hyderabad Name: T N S Narayanan
Designation: Energy auditor.
Signature

quired) sidence(v bile nail dress te of certinager or	s.  (use additional sheet if  with STD)  rswami84@yahoo.com  fication as Energy Energy Auditor (pl Bureau of Energy	RajaramanSwaminathan  B.Tech (Chemical Engg.  Attached  022-29792469  9821343397  Energy Auditor 2007	attach photo here
perience. quired) sidence(v bile nail dress te of certi nager or ecify) by E iciency (B	(use additional sheet if vith STD)  rswami84@yahoo.com  fication as Energy Energy Auditor (pl	Attached  022-29792469  9821343397	
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nergy Per	sing the examination in formance Assessment and Utility Systems"	2007	
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E E e	Energy M Energy F Equipme you a Bl itor. Date	Date of accreditation Accreditation No.	Energy Manager Energy Performance Assessment Equipment and Utility Systems"  you a BEE accredited Energy itor.  Date of accreditation

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

Place: Mumbai

Name: Rajaraman Swaminathan Designation: Energy auditor. Signature