


FORM IV
(Refer regulation 7(2))
Bureau of Energy Efficiency
REGISTER CONTAINING NAMES OF OFFICES AND FIRMS OF ACCREDITED
ENERGY AUDITORS

Serial Number (AEA- 119)		As on (2611/2013)	
A.			
1	Name of accredited energy auditor	H. RAGHAVENDRA PRABHU	
2	Father's name	H. DAMODARA PRABHU	
3	Date of certification as Energy Manager	ENERGY AUDITOR 6 th April 2005	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	May 2004	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-1569	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	684	
7	Date of issue of accreditation certificate	(to be filled by BEE)	
B. Information in respect of trade name or firms' name			
8	Trade name / firms name under which energy audit is proposed to be conducted	National Productivity Council	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
10	Type of firm/ private/ Government / NGO etc.	Autonomous body under Ministry of Commerce & Industry, Govt. of India	
11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Shri A.K. Sinha Group Head (Energy Management) National Productivity Council Utpadakta Bhavan, 5-6, Institutional Area, Lodi Road, New Delhi - 110 003	

		Phone: 011-24607311, Mob: 09654877750 Fax: 011-24615002 E-mail: ak.sinha@npcindia.gov.in
12	Professional postal address with Pin Code of the accredited energy auditor	National Productivity Council, 3005, 12 'A' Main, 8 th Cross, HAL II Stage, Indiaranagar, Bangalore - 560008
13	E-mail address	bngnpc@gmail.com ; bangalore.npc@npcindia.gov.in;
14	Telephone numbers . with STD Code (R) (O) Mobile no:	Resd: 080-23474587 Off.: 080-25217294 / 25217295 Mobile: 09449351183
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	1958, National Productivity Council, Registered Under Society . Act XXI 1860
16	Year of commencement of energy audit of the firm	Energy Management Services started in 1974
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	14 HQ, National Productivity Council , Udpadakata Bhavan, 5-6 Institutional Area Lodi Road, New Delhi 110 003 Tel 011 24690331 Fax No.011-4615002 Regional Professional Management Groups BANGALORE : National Productivity Council 3005, 2 nd Floor, 12 th A-Main, HAL, 2 nd Stage,8 th Cross, Indiaranagar, Bangalore-560 008 (Karnataka) Tel.080-25217294/25217295 Fax No.080-25217296 BHOPAL : P.B.No.542, E-5/112, Arera Colony Bhopal-462 016 (M.P.) Tel.0755-2466537 Fax 0755-2466537 E-mail : npcbhopal@airtelmail.in BHUBANESWAR : A/7, Surya nagar, Bhubaneswar,751 003 Tel: 0674-2397326, 0674-239780 Chennai AIP: 6 SIDCO Industrial Estate

Ambattur, Chennai-600 098 (T.N.)
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Chennai :

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CHANDIGARH:

SCO-40, 1st Floor, Sector-7-C
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GANDHINAGAR:

E-5, GIDC Electronic Estate
Sector-26, Near Tata Chowkdi
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GUWAHATI:

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KOLKATA:

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PATNA:

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Crossing, Patna-800 001 (Bihar)
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Fax: 0612-2557577
E-mail: npcpat@sify.com

C**Details of Associated Energy Experts**

19

Number of resource persons available

16 BEE Certified Energy Auditors / Resource Persons with NPC

20

List of BEE Certified Energy Auditors / Resource Persons with NPC

Sr. No.	Name	Registration No.	Posting	Year of Experience in Energy Audit
1	Subbarao Balasubramnya Sadananda	EA-15516	Mumbai	Above 30
2	T.S. Narayanan	EA 1576	Mumbai	Above 25
3	B.P. Bhandary	EA 1577	Mumbai	Above 20
4	Surendra Patruji Bankar	EA 12229	Mumbai	5
5	R. Virendra	EA 5853	Hyderabad	Above 30
6	A.K. Sinha	EA 3838	New Delhi	Above 30
7	J. Nagesh Kumar	EA 1567	Chennai	25
8	P. Dharmalingam	EA 1566	Chennai	25
9	H.R. Prabhu	EA 1569	Bangalore	Above 25
10	A. Chakravorty	EA 1578	Kolkata	Above 25
11	Amitava Ray	EA 1580	Kanpur	Above 15

		12	R. Suryanarayan	EA 1568	Chennai	25
		13	D. Rajanikant	EA 0773	Hyderabad	Above 10
		14	Gopal Gopinath	EA 6139	Chennai	Above 5
		15	Prashant Srivastava	EA 6368	New Delhi	Above 5
		16	P. Chitra	EA 6888	Chennai	Above 5
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	32 (16 certified Auditors)				
	II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.	Nil				
21	Sectors in which the energy auditor/ energy audit firm has conducted energy audits since inception	<p>Iron & Steel, Foundry, Textile, Thermal Power Plants, Cement, Fertilizer, Pulp & Power, Combined Cycle Power Plant, Chloro Alkali, Railway Workshops, Buildings, Ports, Mines, Hotels & Malls, Capacity Building of SDA, Distribution Companies, RAPDRP and other Govt. Departments studies, International Assignments for UNEP, GIZ, World Bank etc.</p> <p>Detailed List Enclosed:</p>				
22	Subject wise expertise					
(a)	Energy audit process system (list sectors) - If no energy audit has been carried out of the process system and parameters, please list nil. Bureau of Energy Efficiency will be calling for detailed information in case agency has listed its energy audit expertise in the process systems	Nil				
(b)	Energy audit thermal utility system (list sectors)	Same in SI.No. 21 Detailed List Enclosed				
(c)	Energy audit electrical utility system (list sectors)	Same in SI.No. 21 Detailed List Enclosed				
23	Instruments available					
	(a) Electrical (list the name of the instruments)	<p>(1) Single Phase Power Analyser (2) Three Phase Power Analyser (3) Harmonics Analyser (4) Lux Meter (5) Digital Technometers/Stroboscope (6) Digital Multimeters</p>				
	(b) Thermal (list the name of the instruments)	<p>(1) Fuel Efficiency Monitor, (2) Air/liquid thermometer</p>				

		<p>(3) Digital Temperature Indicator: Contact, Non Contact</p> <p>(4) IR temperature gun</p> <p>(5) Thermo Hygrometer/whirling Hygrometer</p> <p>(6) Ultrasonic water flow meter</p> <p>(7) Pilot tube</p> <p>(8) PH &TDS Meter.</p>	
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit		
(i)			
(ii)		<ol style="list-style-type: none"> 1. Two weeks special course for Railway Engineers – 2 Programs 2. Preparatory training program of Energy Managers & Auditors – 2 Programs 3. Energy Efficiency program at PMI, NTPC, Noida – 3 Programs 4. Energy Efficiency program for GAIL – 1 Program 5. Energy Efficiency Program for ONGC, Vadadara – 1 Program 6. Energy Audit and Conservation for KPCL Bangalore – 2 Programs 7. Efficient Operation & Maintenance of Boilers for KPCL, Bangalore – 2 Programs 	
(iii)	One day Workshop on Efficient Operation and Maintenance of Boilers – sponsored by Central Boiler Board, New Delhi	Four Programmes	
Iv	15 days Application program for Energy Engineers at Kathmandu, Nepal	Program conducted on behalf of GIZ, Nepal under Nepal Energy Efficiency Programme	
V	Team leader for PAT base line energy audit for	Conducted 2 base line	

	Pulp & Paper Sector	energy audit in Pulp & Paper Sector at Karnataka.	
Vi	Two days National Workshop on Latest Trends & Technologies in Efficient Operation and Maintenance of Boilers at Bangalore sponsored by Central Boiler Board, New Delhi	One National Workshop at Bangalore	
vii	Training Programme on Energy Efficiency for Project Engineers at BEE, New Delhi	One Programme	

D	Remarks(if any)

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



Place : Bangalore
Date: 19.06.2013

Signature:
Name: H. Raghavendra Prabhu
Designation: Director
For and on behalf of DG, NPC

(Note: Responsibility of the authenticity of the above information rests with the concerned energy auditor/energy auditing agency.)

21. Sectors in which energy audit conducted by FIRM/Auditor

Sl. No.	Sector	Sl. No.	Sector
1.	Pharmaceuticals	14.	Aluminium
2.	Food Processing	15.	Iron & Steel
3.	Brick & tiles	16.	Mines
4.	Breweries	17.	Ports
5.	Textile	18.	Railway
6.	Foundry	19.	Hotel & Building
7.	Automobile	20.	Sugar & Distilleries
8.	Glass	21.	Power Distribution
9.	Chlor alkali	22.	Thermal Power Plants
10.	Dairy	23.	Captive & Cogeneration Plants
11.	Engineering	24.	Municipal Water Works
12.	Chemical	25.	Metallurgical Industries
13.	Ceramic		

22-B. Energy Audit Thermal Utility Systems

Sl. No.	Sector	Sl. No.	Sector
1.	Pharmaceuticals	10.	Breweries
2.	Food Processing	11.	Aluminium
3.	Brick & tiles	12.	Iron & Steel
4.	Textile	13.	Railway
5.	Foundry	14.	Hotel & Building
6.	Automobile	15.	Sugar & Distilleries
7.	Glass	16.	Thermal Power Plants
8.	Chlor alkali	17.	Captive & Cogeneration Plants
9.	Dairy	18.	Metallurgical Industries

22-C. Energy Audit Electrical Utility Systems

Sl. No.	Sector	Sl. No.	Sector
1.	Pharmaceuticals	13.	Iron & Steel
2.	Food Processing	14.	Mines
3.	Brick & tiles	15.	Ports
4.	Textile	16.	Railway
5.	Foundry	17.	Hotel & Building
6.	Automobile	18.	Sugar & Distilleries
7.	Glass	19.	Power Distribution
8.	Chlor alkali	20.	Thermal Power Plants
9.	Dairy	21.	Captive & Cogeneration Plants
10.	Engineering	22.	Municipal Water Works
11.	Chemical	23.	Metallurgical Industries
12.	Ceramic	24.	Aluminium Products

WORK EXPERIENCE DURING LAST 5 YEARS

Name of the Energy Auditor: Shri H. Raghavendra Prabhu, Director - Ref. EA-1569

Year 2012-13

Sl. No.	Energy Audit Assignment	Sl. No.	Energy Conservation & Audit Training Programs
	Carried out Feasibility Study in 10 Pipeline units in Steel Re-rolling units which is sponsored by UNDP-GEF, New Delhi	1.	Preparatory Training Course on Energy Management at M/s Power Management Institute, NTPC, Noida
1.	M/s Divyansh Steel (P) Ltd., Nagpur	2.	Preparatory Training Course on Energy Management at M/s Power Grid Corporation, Gurgaon
2.	M/s Ujjawal Ispat (P) Ltd., Nagpur	3.	Preparatory Training Course on Energy Management at AIP, Chennai
3.	M/s Navkar Iron & Steel (P) Ltd., Indore	4.	Training Programme on Energy Audit & Conservation at M/s Karnataka Power Corporation Ltd., Bangalore
4.	M/s Met-Rolls (P) Ltd., Indore	5.	Training Programme on Efficient Operation and Maintenance of Boiler – Latest Trends & Technologies at M/s Karnataka Power Corporation Ltd., Bangalore
5.	M/s Mahendra Strips Pvt. Ltd., Raipur	6.	Preparatory Training Course on Energy Management at M/s Indian Railway Institute of Electrical Engineers, Nashik
6.	M/s Bhavani Rolling Mills, Nashik	7.	One day workshop on Efficient Operation and Maintenance of Boilers conducted at Bangalore, sponsored by Central Boiler Board, New Delhi
7.	M/s Madhyachal Steel (P) Ltd., Indore		
8.	M/s Venus Rolling Mills Pvt. Ltd., Nagpur		
9.	M/s Nandan Steel & Power Ltd., Raipur		
10.	M/s Indore Steel & Iron Mills Ltd., Indore		

Year 2011-12

Sl. No.	Energy Audit Assignment	Sl. No.	Energy Conservation & Audit Training Programs
	Carried out Baseline Energy Audit for the PAT scheme for Pulp & Paper Sectors. The Industries covered for the study are as follows	1.	Preparatory Training Course on Energy Management conducted at AIP, Chennai
1.	M/s West Coast Paper Mills, Ltd., Dandeli, Karnataka	2.	Preparatory Training Course on Energy Management conducted at Power Management Institute, NTPC, Nodia
2.	M/s The Mysore Paper Mills Ltd., Bhadravathi, Karnataka	3.	One day workshop on Efficient Operation and Maintenance of Boilers, sponsored by Central Boiler Board at Bangalore
3.	Energy Audit at Sikka Thermal Power Plant, Sikka, Gujarat	4.	3 Day Training Programme on Efficient Operation and Maintenance of Boilers at Karnataka Power Corporation Ltd., Bangalore

Year 2010-11

Sl. No.	Energy Audit Assignment	Sl. No.	Energy Conservation & Audit Training Programs
1.	Documentation, Analysis, Compilation and Consolidation of Walk through Energy Audit reports of GEDA (Gujarath Energy Development Agency)	1.	Training Programme on Energy Audit at IRIEEN, Nasik
2.	Physical Verification of Walk through Energy Audit units for GEDA	2.	Training Programme on Energy Efficiency for Project Engineer at BEE, New Delhi
3.	Carried out activities under RAPDRP as Third Party independent Evaluation Agency for Gujarath Discoms under RAPDRP project of PFC, Ministry of Power	3.	Workshop on Efficient Operation & Maintenance of Boilers at Thrissur, Kerala
4.	Documentation & Analysis of DC and E-filing for GEDA	4.	One Day workshop on Efficient Operation and Maintenance of Boilers at Bangalore, Karnataka
5.	Cleaner Production in Thermal Power Station sponsored by Forest & Environment department, Gujarath	5.	Two Day National workshop on Latest Trends & Technologies in Efficient Operation and Maintenance of Boilers at Bangalore, sponsored by Central Boiler Board, New Delhi
6.	Cleaner Production in Vertical Kiln type Mini Cement Industry Sector sponsored by Forest & Environment department, Gujarath	6.	Preparatory Training course at ONGC, Vodadara
		7.	Corporate Training Programme on Energy Management at PMI, NTPC
		8.	Training Programme on Energy Conservation, Management an Audit for GAIL Executive at GAIL Training Institute, NOIDA
		9.	Training Programme on Energy Audit and Conservation for Karnataka Power corporation, Bangalore

Year 2009-10

Sl. No.	Energy Audit Assignment	Sl. No.	Energy Conservation & Audit Training Programs
1.	Preparation of Data base of Designated Consumer as per EC Act 2001 in the state of Gujarath	1	Conducted Refresher courses for energy Managers & Auditors at Vadodara & Gandhinagar sponsored by Gujarath Energy Development Agency (GEDA)
2.	Carrying out assessment of Energy Consumption & Conservation Potential for select – 4 sectors in the state of Karnataka	2	Training designated consumers in the state of Gujarath on 'E-filing of Annual Energy Returns' for BEE, New Delhi
3.	Documentation of Energy Consumption efforts by Government departments in state of Gujarath	3	To organize state level workshop on Efficient Operation & Maintenance of Boilers at Ahmedabad
4.	To carry out desk top Survey of sales of BEE labeled household appliances in the state of Gujarath	4	One day Programme in Cleaner Production in Sugar & Distillery Units at Surat

Year 2008-09

Sl. No.	Energy Audit Assignment	Sl. No.	Energy Conservation & Audit Training Programs
1.	Energy Audit Study at M/s EID Parry India Ltd., Sugar Division, Pugalur	1	Training Programme on General Awareness of EC Act-2001for Karnataka Renewable Energy Development Limited (KREDL), Bangalore
2.	Energy Audit Study at M/s Karnataka Milk Federation, Cattle Feed Plant – Gubbi, Karnataka	2	Presentation of the paper for the seminar on Energy Management & Audit at NITK, Surathkal
3	Energy Audit Study at M/s Karnataka Milk Federation, Cattle Feed Plant – Rajanakunte, Karnataka	3	Energy Audit Programme for SAG officers of Indian Railways at IRIEEN, Nasik
		4	General Awareness of EC Act 2001 for SDA Bhopal for State Designated Agency, M.P. Urja Vikas Nigam Ltd., Bhopal
		5	Preparatory Training Course at Power Management Institute at NTPC, Noida
		6	PTC Programme for employees of Chief Electrical Inspectorate at Gandhinagar – 2 Programmes
		7	Workshop on Efficient Operation and Maintenance of Boilers at Mangalore, sponsored by Central Boiler Board, New Delhi
		8	Training Programme on General Awareness of EC Act2001 for Karnataka Renewable Energy Development Limited (KREDL), Bangalore

Year 2007-08

Sl. No.	Energy Audit Assignment	Sl. No.	Energy Conservation & Audit Training Programs
1.	Energy Audit Study at M/s Karnataka Milk Federation, Cattle Feed Plant, Hassan	1	Preparatory Training Course at RPMG Hyderabad
2.	Energy Audit Study at M/s SFO Technologies, Bangalore	2	Energy Management Programme at Indian Railway Centre for Advanced Maintenance technology, Gwalior
3.	Energy and Water Audit at IGI Airport, New Delhi	3	Preparatory Training Course programme on Energy Management for SAG officers at Indian Railway Institute of Electrical Engineering (IRIEEN), Nasik
4.	Energy Audit Study at M/s Currency Note Press, Security Printing and Minting Corporation of India Ltd., Nasik	4	PTC Programme on Energy Management at IRIEEN, Nasik
5.	Energy Audit Study at M/s Karnataka Milk Federation, Cattle Feed Plant, Dharwad	5	Training Programme for SAIL Executives at Ranchi
6.	Five year action plan for State of Karnataka State designated agencies, BEE, New Delhi	6	Preparatory Training Course programme at Power Management Institute (PMI), NTPC, Noida
		7	Preparatory Training Course at AIP Chennai
		8	Workshop on Efficiency Operation and Maintenance of Boilers at Calicut, Kerala
		9	Workshop on Efficiency Operation and Maintenance of Boilers at Bangalore, Karnataka
		10	Training Programme on Energy Audit and Conservation at Karnataka Power Corporation Ltd., Bangalore.

Year 2006-07

Sl. No.	Energy Audit Assignment	Sl. No.	Energy Conservation & Audit Training Programs
1.	All India Boiler Survey – Karnataka & Kerala State	1	Faculty for International training programme on Energy Management for IPHRD, Tehran, Iran
2.	Assignment on Cleaner Production & Energy Efficiency – UNEP, Paris	2	Faculty for training programme on Energy Conservation for Steel Sector at Isphahan Steel, Iran
3.	Preparation of Energy Manager Training Module for IPHRD, Iran	3	Preparatory Training course programme at GAIL, PATA
		4	Training Programme on Energy Conservation for BHEL, Bangalore
		5	Presenting paper for National Workshop on lighting at Mysore, organized by Society of Energy Engineers & Manager, Trivandrum
		6	Training Programme on Efficient Operation and Maintenance of Boilers at Thrissur, Kerala
		7	Training Programme on Efficient Operation and Maintenance of Boilers at Mysore, Karnataka
		8	Preparatory Training course for Energy Managers & Energy Auditor in Chennai, Delhi and Bangalore

Year 2005-06

Sl. No.	Energy Audit Assignment	Sl. No.	Energy Conservation & Audit Training Programs
1.	Energy Audit & Conservation at M/s Banner Pharma Caps Ltd., Attibele, Bangalore	1	Training Programme on Energy Management for IPHRD Tehran, Iran
2.	Energy Audit Study at M/s Atofina, Cuddalore	2	Training Programme on Energy Audit & Conservation at Karnataka Power Corporation Ltd., Bangalore
3.	Energy Audit Study at M/s BOC Gases, Jamshedpur	3	Preparatory Training Course at GAIL Training Institute, Noida – 3 Programmes
4.	Energy Audit Study at M/s Reserve Bank of India Building, Bhubaneswar	4	Preparatory Training Course at NTPC, Dadri
		5	In-house training course on Energy Management at M/s Hero Honda
		6	Preparatory Training course at Bangalore
		7	Efficient Operation and Maintenance of Boilers at Ernakulam
		8	Efficient Operation and Maintenance of Boilers at Hubli
		9	Preparatory Training Course programme at AIP, Chennai – 5 Programmes
		10	Two days National workshop on Latest Trends & Technologies in Efficient Operation and Maintenance of Boilers