


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

Serial Number (AEA- 0107)		As on (26/11/2013)	
A.			
1	Name of accredited energy auditor	T. SANKARA NARAYANAN	
2	Father's name	U. A. THIRUGNANA SAMBANDAN	
3	Date of certification as Energy Manager	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- 1576	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	689	
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) Phone: 011-24607311 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, Novelty Chambers, 7 th Floor, Grant Road, Mumbai 400 007
13	E-mail address	npcmum@vsnl.net ; npcmumbai@mtnl.net.in
14	Telephone numbers . with STD Code (R) (O) Mobile no:	Resd: 0251-2400561 Off.: 022-23002924 / 23071322 Mobile: 09423984975
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, Indiarra Nagar, 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.) Tel.044-26245629 /26251808 /26255216 Fax 044-26254904 /26255012 E.mail : pdharmalingam@npcindia.gov.in

Chennai :
6 SIDCO Industrial Estate
Ambattur, Chennai-600 098 (T.N.)
Tel.044-26253144 /26252467
Fax 044-26253122

CHANDIGARH:
SCO-40, 1st Floor, Sector-7-C
Madhya Marg,
Chandigarh-160 019 (Punjab).
Tel.0172-2794122 /2794110
Fax:0172-2794109

GANDHINAGAR:
E-5, GIDC Electronic Estate
Sector-26, Near Tata Chowkdi
Gandhinagar-382 028. (Gujarat)
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Fax : 079-23287443
E-mail : gandhinagar@npcindia.gov.in

GUWAHATI:
Meenakshi Bhawan, Rajgarh Road
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Fax :0361-2450160

HYDERABAD:
10-E, Gaganvihar Complex, M.J. Road,
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Fax:040-24606981
E-mail: npc.ap@nic.in

JAIPUR:
SB-96, J.N. Marg, Bapu Nagar
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Fax:0141-2703573

KANPUR:
Kabir Bhawan, 4th Floor. G.T. Road
Kanpur-208 005 (U.P.)
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Fax : 0512-2224177

KOLKATA:
9, Syed Amir Ali Avenue,
Kolkata-700 017 (W.Bengal)
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Fax:033-22873919
E-mail: npckol@dataone.in

MUMBAI:

Novelty Chambers, 7th Floor
Grant Road (E), Mumbai-400 007 (Mah.)
Tel.022-23071322 /23002924
Fax : 022 23073323
E-mail : npcmum@vsnl.net /
npcmumbai@mtnl.net.in

PATNA:

Sudama Bhawan, 2nd Floor, Boaring Road
Crossing, Patna-800 001 (Bihar)
Tel: 0612-2572311
Fax: 0612-2557577
E-mail: npcpat@sify.com

C

Details of Associated Energy Experts

19

Number of resource persons
available

6 at Mumbai

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	Jittin Kapoor	Will be attending BEE exam.	Mumbai	4

		6	Nakul	Will be attending BEE exam.	Mumbai	4
		7				
		8	R. Virendra	EA 5853	Hyderabad	Above 30
		9	A.K. Sinha	EA 3838	New Delhi	Above 30
		10	J. Nagesh Kumar	EA 1567	Chennai	25
		11	P. Dharmalingam	EA 1566	Chennai	25
		12	H.R. Prabhu	EA 1569	Bangalore	Above 25
		13	A. Chakravorty	EA 1578	Kolkata	Above 25
		14	Amitava Ray	EA 1580	Kanpur	Above 15
		15	R. Suryanarayan	EA 1568	Chennai	25
		16	D. Rajanikant	EA 0773	Hyderabad	Above 10
		17	Gopal Gopinath	EA 6139	Chennai	Above 5
		18	Prashant Srivastava	EA 6368	New Delhi	Above 5
		19	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 (17 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, Dredging Corporation, Hotels & Malls, Capacity Building of SDA, Distribution Companies, APDRP and other Govt. Departments studies, International Assignments for USAID, GTZ, ADB, 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 Sl.No. 21 Detailed List Enclosed	
(c)	Energy audit electrical utility system (list sectors)	Same in Sl.No. 21 Detailed List Enclosed	
23	Instruments available		
	(a) Electrical (list the name of the instruments)	Online Power Analyser – 1 Ph, 3 Ph Lux Meter, Harmonic Analyser	
	(b) Thermal (list the name of the instruments)	Fuel Efficiency Monitor, Digital Temperature Indicator: Contact, Non Contact IR temperature gun, Thermo hydro meter, Digital pressure meter, Ultrasonic water flow meter.	
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. 2 weeks special course for Railway Engineers – 12 2. Preparatory training program of Energy Managers & Auditors – 7 3. Energy Efficiency program for LIC Engineers – 1 4. Energy Efficiency program for BEST - 1 	
(iii)	Preparatory training program of Energy Managers & Auditors	Special program for L&T Engineers – 2 programs	
iv	15 days Application program for Energy Engineers at Birat Nagar, Nepal	Program conducted on behalf of GIZ, Nepal	
V	Team leader for PAT Textile Gr.III base line energy audit	Conducted 6 base line energy audit in Textile Sector at Punjab.	
vi	Third party evaluation study of BEE programs	Covering star label program, EC award, buildings and SDA programs.	

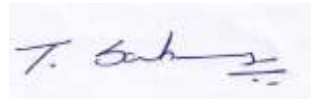
D	Remarks(if any)

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

Place: Mumbai

Date: 16.05.2013

Signature:



Name: T. Sankaranarayanan

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.	Fertilizers & Petrochemicals	16.	Sponge Iron
2.	Oil Transportation	17.	Mines
3.	On Shore Platform	18.	Ports
4.	Rayon	19.	Railway
5.	Textile	20.	Hotel & Building
6.	Foundry	21.	Sugar & Distilleries
7.	Automobile	22.	Power Distribution
8.	Glass	23.	Thermal Power Plants
9.	Chlor alkali	24.	Combined Cycle Power Plants
10.	Dairy	25.	Captive & Cogeneration Plants
11.	Engineering	26.	Bio-mass Power Plants
12.	Chemical	27.	Hydro Power Plant
13.	Ceramic	28.	Municipal Water Works
14.	Cement	29.	Metallurgical Industries
15.	Iron & Steel	30.	Aluminium Products

22-B. Energy Audit Thermal Utility Systems

Sl. No.	Sector	Sl. No.	Sector
1.	Fertilizers & Petrochemicals	12.	Sponge Iron
2.	On Shore Platform	13.	Iron & Steel
3.	Rayon	14.	Railway
4.	Textile	15.	Hotel & Building
5.	Foundry	16.	Sugar & Distilleries
6.	Automobile	17.	Thermal Power Plants
7.	Glass	18.	Combined Cycle Power Plants
8.	Chlor alkali	19.	Captive & Cogeneration Plants
9.	Dairy	20.	Bio-mass Power Plants
10.	Chemical	21.	Metallurgical Industries
11.	Cement	22.	Aluminium Products

22-C. Energy Audit Electrical Utility Systems

Sl. No.	Sector	Sl. No.	Sector
1.	Fertilizers & Petrochemicals	16.	Sponge Iron
2.	Oil Transportation	17.	Mines
3.	On Shore Platform	18.	Ports
4.	Rayon	19.	Railway
5.	Textile	20.	Hotel & Building
6.	Foundry	21.	Sugar & Distilleries
7.	Automobile	22.	Power Distribution
8.	Glass	23.	Thermal Power Plants
9.	Chlor alkali	24.	Combined Cycle Power Plants
10.	Dairy	25.	Captive & Cogeneration Plants
11.	Engineering	26.	Bio-mass Power Plants
12.	Chemical	27.	Municipal Water Works
13.	Ceramic	28.	Metallurgical Industries
14.	Cement	29.	Aluminium Products
15.	Iron & Steel		

WORK EXPERIENCE – 5 YEARS

Name of the Energy Auditor: Shri T. Sankaranarayanan, Director Ref. EA-1576

Year 2012-13

Sr. No.	Energy Audit Assignment	Energy Conservation & Audit Training Programs	No. of Programs
1.	Performance assessment of bio-mass / bagasse power plants for MNRE – 6	PTC course for Electrical Engineers of Indian Railways	2
2.	Energy audit of RGPPL Compressed Air System		
3.	Energy audit of RGPPL Lighting System		
4.	Solar feasibility study for MDL		

Year 2011-12

Sr. No.	Energy Audit Assignment	Energy Conservation & Audit Training Programs	No. of Programs
1.	Performance assessment of bio-mass / bagasse power plants for MNRE – 12 Nos.	PTC course for Electrical Engineers of Indian Railways	2
2.	Energy audit of Royal Seamens Club		
3.	PAT Textile Group III base line energy audit – 6 Nos.		

Year 2010-11

Sr. No.	Energy Audit Assignment	No. of Assignments
1.	Performance assessment of bio-mass / bagasse power plants for MNRE	12
2.	Energy audit of power plant auxiliary – Ratnagiri Gas Power Plant	1
3.	Energy audit of Mazagon Dock Yard	1
4.	Diesel audit for Dempo Mines	1
5.	Energy audit of LIC Residential buildings	1

Year 2009-10

Sr. No.	Energy Audit Assignment	Energy Conservation & Audit Training Programs	No. of Programs
1.	Bio-mass Power Plant Performance Assessment – 5 Nos.	Energy Conservation and Management program for Arunachal Pradesh Energy Development Agency, Itanagar	2
2.	Energy Audit of Building Water Pumping Systems (Under DSM Program for BEST, Mumbai)	2 weeks for special course for Railway Engineers - IRIEEN, Nasik	2
3.	Energy Audit of Indian Sailors Home Society - Building Audit	-	-
4.	Energy Audit of Combined Cycle Gas Power Plant - GSEG, Hazira	-	-
5.	Heat Rate Assessment of Bio-mass Power Plant for MEDA, Pune	-	-

Year 2008-09

Sr. No.	Energy Audit Assignment	Energy Conservation & Audit Training Programs	No. of Programs
1.	Preparation of Energy Conservation Policy for Energy Management Centre, Kerala	2 weeks for special course for Railway Engineers - IRIEEN, Nasik	6
2.	Bio-mass power plant performance assessment – 5 Nos.	3 days program for LIC Engineers	1

Year 2007-08

Sr. No.	Energy Audit Assignment	Energy Conservation & Audit Training Programs	No. of Programs
1.	Energy Audit Capacity Building of Railway Engineers - TMW & Lower Parel Workshop	Preparatory Training Course for Energy Managers and Auditors	2
2.	Energy Audit of Indo German Tools Research Centre, Aurangabad	3 days training program on Energy Conservation and Audit for BEST Engineers	1
3.	Bio-mass power plant performance assessment – 4 Nos.	1 day training program for Engineers and Supervisors of ISPAT Industries	10
4.	Energy Audit of Ordnance Factory, Ambernath	5 days program for LIC Engineers	1
5.	Energy Audit of India Govt. Mint, Mumbai	Energy Conservation Program for Tata Power Distribution Engineers	3

Year 2006-07

Sr. No.	Energy Audit Assignment	Energy Conservation & Audit Training Programs	No. of Programs
1.	Energy Audit of Liberty Oil Mills, Asangaon	Preparatory Training Course for Energy Managers and Auditors	2
2.	Energy Audit of LPG Bottling Plants, Ankleshwar	5 days program for LIC Engineers	1
3.	Energy Audit of Deepak Fertilizers & Petrochemicals Ltd., Taloja	-	-

Year 2005-06

Sr. No.	Energy Audit Assignment	Energy Conservation & Audit Training Programs	No. of Programs
1.	Energy Audit of Cricket Club of India, Wankhede Stadium, Mumbai	5 days program for LIC Engineers	1
2.	Energy Audit of Mumbai Port Trust, Mumbai	Energy Conservation and Audit program for IOCL Engineers	1
3.	Preparatory of Strategic Plan for Implementing EC Act in the State of Kerala for EMC	Energy Conservation in Pumping System Program for MCGM – BMC Sewage Department	6
4.	Energy Audit of Indian Rayon Industries Ltd., Veraval	Energy Conservation Program for Heavy Water Plant Engineers at Tuticorin	1
5.	Energy Audit of Inorbit Mall, Mumbai		
6.	Energy Audit of RBI, Central Office Building, Mumbai		
7.	Electrical Energy Audit at Rashtriya Chemicals & Fertilizers Ltd., Trombay		