

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

Serial Number (AEA- 0047)		As on:- 26 February, 2013	
A.			
1	Name of accredited energy auditor	Chetankumar Adhar Sangole	
2	Father's name	Adhar Lotan Sangole	
3	Date of certification as Energy Manager	December 2009	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	July 2010	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-11028 (9 th exam, 19 th & 20 th December, 2009) EA-11028 (10 th exam, 17 th & 18 th July, 2010)	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	Certificate No. 4098 (11 th February, 2010) Certificate No. 5678 (7 th October, 2010)	
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	ITP Senergy Advisory Services Pvt Ltd	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
10	Type of firm/ private/ Government / NGO etc.	Private	



11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Chetankumar Adhar Sangole Managing Consultant ITP Senergy Ltd 10 th Floor, Building No. 8C, Cyber City, DLF Phase-2, Gurgaon-122002 +91 124 430 5500 +91 9923075989 chetan.sangole@itpsenergy.com chetankumarindia@gmail.com
12	Professional postal address with Pin Code of the accredited energy auditor	Chetankumar Adhar Sangole Managing Consultant ITP Senergy Advisory Services Pvt Ltd 10 th Floor, Building No. 8C, Cyber City, DLF Phase-2, Gurgaon-122002
13	E-mail address	chetan.sangole@itpsenergy.com chetankumarindia@gmail.com
14	Telephone numbers with STD Code (R) (O) Mobile no:	+91 20 2553 2924 +91 124 430 5500 +91 99230 75989
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	April 2004
16	Year of commencement of energy audit of the firm	2010
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	NO (ITP Group has ISO)
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	1 10 th Floor, Building No. 8C, Cyber City, DLF Phase-2, Gurgaon-122002
C	Details of Associated Energy Experts	
19	Number of resource persons available	33

20	I. Number of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>3 (including me)</p> <table border="1"> <tr> <td colspan="2">Name: Anita Agarwal</td> </tr> <tr> <td>Position</td> <td>Senior Consultant</td> </tr> <tr> <td>Contact Address</td> <td>A-40, Nanda Road, Adarsh Nagar, delhi-110033</td> </tr> <tr> <td>Experience in sectors</td> <td>- Iron & Steel - Textile</td> </tr> <tr> <td>Short CV</td> <td>He is Mechanical Engineering graduate and has over 4 years of experience in the field of energy efficiency, biomass technologies, solar thermal, PV & climate change. Currently she is appearing for energy audit exam of BEE.</td> </tr> </table> <table border="1"> <tr> <td colspan="2">Name: S P Ranade, Certified Energy Auditor</td> </tr> <tr> <td>Position</td> <td>Director and Certified Energy Auditor</td> </tr> <tr> <td>Contact Address</td> <td>1212, B2, Seeta, Apte Road, ShivajiNagar, Pune-411004</td> </tr> <tr> <td>Experience in sectors</td> <td>- Textile, - Cement, - Thermal Power Plant, - Paper, - Fertilizers</td> </tr> <tr> <td>Short CV</td> <td>S P Ranade serves on the Board of Directors of ITP Senergy. He is Electrical Engineering graduate from COE Pune and completed his master graduation in industrial engineering. He has spent several years in the power sector and he has conducted several energy audits and energy efficiency projects in industries. He was Managing Director of the Maharashtra Industrial Technical Consultancy Organization Limited, Pune (MITCON). He also helped develop solar photovoltaic home lighting systems with the Swiss Development Corporation and MITCON, Pune.</td> </tr> </table>	Name: Anita Agarwal		Position	Senior Consultant	Contact Address	A-40, Nanda Road, Adarsh Nagar, delhi-110033	Experience in sectors	- Iron & Steel - Textile	Short CV	He is Mechanical Engineering graduate and has over 4 years of experience in the field of energy efficiency, biomass technologies, solar thermal, PV & climate change. Currently she is appearing for energy audit exam of BEE.	Name: S P Ranade, Certified Energy Auditor		Position	Director and Certified Energy Auditor	Contact Address	1212, B2, Seeta, Apte Road, ShivajiNagar, Pune-411004	Experience in sectors	- Textile, - Cement, - Thermal Power Plant, - Paper, - Fertilizers	Short CV	S P Ranade serves on the Board of Directors of ITP Senergy. He is Electrical Engineering graduate from COE Pune and completed his master graduation in industrial engineering. He has spent several years in the power sector and he has conducted several energy audits and energy efficiency projects in industries. He was Managing Director of the Maharashtra Industrial Technical Consultancy Organization Limited, Pune (MITCON). He also helped develop solar photovoltaic home lighting systems with the Swiss Development Corporation and MITCON, Pune.
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	II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.	<p>5</p> <table border="1"> <tr> <td colspan="2">Name: Bhaskar Natarajan</td> </tr> <tr> <td>Position</td> <td>Advisor</td> </tr> <tr> <td>Contact Address</td> <td>H 1493, CR Park, New Delhi- 110019</td> </tr> <tr> <td>Experience in sectors</td> <td>- Thermal Power Plant, - Cement, - Pulp & Paper, - Discom - Railways</td> </tr> </table>	Name: Bhaskar Natarajan		Position	Advisor	Contact Address	H 1493, CR Park, New Delhi- 110019	Experience in sectors	- Thermal Power Plant, - Cement, - Pulp & Paper, - Discom - Railways												
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		<table border="1"> <tr> <td colspan="2" data-bbox="724 1115 1453 1151">Name: A N Buva, Certified Energy Auditor</td> </tr> <tr> <td data-bbox="724 1151 932 1182">Position</td> <td data-bbox="932 1151 1453 1182">Associate</td> </tr> <tr> <td data-bbox="724 1182 932 1285">Contact Address</td> <td data-bbox="932 1182 1453 1285">Malhar Hiratage, Mahadik Colony, Behind Datta Mandir, E-ward, Kolhapur-416003</td> </tr> <tr> <td data-bbox="724 1285 932 1424">Experience in sectors</td> <td data-bbox="932 1285 1453 1424"> <ul style="list-style-type: none"> - Chemical, - Thermal Power Plant, - Iron & Steel - Textile </td> </tr> <tr> <td data-bbox="724 1424 932 1892">Short CV</td> <td data-bbox="932 1424 1453 1892"> <p>A N Buva is Certified Energy Auditor and is having a experience more than 27 years in various chemical & pharmaceutical, thermal power plant, iron & steel, textile and other industries. He is a graduate in Mechanical Engineering in 1976 from, specialized in Heat-Power Combined Refrigeration. Also, he is Chartered Engineer registered with Institution of Engineers, India and he is responsible for conducting energy audits, project implementation, energy management activities etc.</p> </td> </tr> </table>	Name: A N Buva, Certified Energy Auditor		Position	Associate	Contact Address	Malhar Hiratage, Mahadik Colony, Behind Datta Mandir, E-ward, Kolhapur-416003	Experience in sectors	<ul style="list-style-type: none"> - Chemical, - Thermal Power Plant, - Iron & Steel - Textile 	Short CV	<p>A N Buva is Certified Energy Auditor and is having a experience more than 27 years in various chemical & pharmaceutical, thermal power plant, iron & steel, textile and other industries. He is a graduate in Mechanical Engineering in 1976 from, specialized in Heat-Power Combined Refrigeration. Also, he is Chartered Engineer registered with Institution of Engineers, India and he is responsible for conducting energy audits, project implementation, energy management activities etc.</p>
Name: A N Buva, Certified Energy Auditor												
Position	Associate											
Contact Address	Malhar Hiratage, Mahadik Colony, Behind Datta Mandir, E-ward, Kolhapur-416003											
Experience in sectors	<ul style="list-style-type: none"> - Chemical, - Thermal Power Plant, - Iron & Steel - Textile 											
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Name: Pramod Kembhavi, Certified Energy Auditor	
Position	Associate
Contact Address	D601, Kapil Abhijat Society, Dahanukar Colony, Kothrud, Pune-411038
Experience in sectors	<ul style="list-style-type: none"> - Thermal Power Plant, - Iron & Steel - Paper - Textile - Chemical & Pharmaceutical
Short CV	Kembhavi is Mechanical Engineer from College of Engineering Pune, he has a professional experience of over 30 years in the field of power generation, cogeneration, utility systems and energy conservation.

Name: Vinay Mulay, Certified Energy Auditor	
Position	Associate
Contact Address	Luncad Zodiac, C-202, Near Datta Mandir Chowk, VimanNagar, Pune-411014
Experience in sectors	<ul style="list-style-type: none"> - Iron & Steel - Textile - Chemical & Pharmaceutical - Paper
Short CV	Vinay is M Tech in Energy Studies from Pune University. He has professional experience of 7 years in energy audits and renewable energy projects like biomethanation. He has worked in energy efficiency assignments for reputed organizations like Tata Sponge, Lucas TVS, Delta Electornics, Bekaert Industries, Mahindra and Mahindra etc. He is also involved in implementation of the energy efficiency projects.

Name: Hari Natarajan	
Position	Associate
Contact Address	12, Ugdharama, Link Road, Goregaon (W), Mumbai-400061
Experience in sectors	<ul style="list-style-type: none"> - Iron & Steel - Textile - Chemical & Pharmaceutical - Paper
Short CV	Hari has over 12 years of experience in the energy sector, of which 5 years has been in the renewable energy sector. He has a Bachelors degree in Electrical Engineering from College of

		Engineering Pune, a Masters degree in Electrical Engineering from the University of South Florida, Tampa and a Doctoral degree from the Indian Institute of Management Bangalore.
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	<ul style="list-style-type: none"> - Iron & Steel - Chemical - Distribution - Food Sector - Textile
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	<ul style="list-style-type: none"> - Iron & Steel (Foundry) - Chemical - Distribution - Food Sector - Textile
(b)	Energy audit thermal utility system (list sectors)	<ul style="list-style-type: none"> - Food sector - Iron & Steel (Foundry) - Chemical
(c)	Energy audit electrical utility system (list sectors)	<ul style="list-style-type: none"> - Iron & Steel sector (Foundry) - Chemical sector - Automobile industries - Distribution sector - Food sector - Textile - Engineering industries - Hotels and labs - IT Buildings
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<p>1) Instrument Name: YOKO Gawa Power Analyzer-CW 240, Clamp On meter with Flexible CT's and Memory Card</p> <p>2) Instrument Name: WACO instrument Type: Measured an Earthing Resistance Range: 10-100 Ohm (4T) C.C Sr No: 234888</p> <p>3) Instrument: Digital Insulation Resistance meter (MEGGER) Type: Measure an Insulation Resistance Make: - Rishab</p>

		<p>Range: - Rishi NM (0-1000v) Identification No: 071257 Calibration Test: 2548 4) Meter Name: CONZERV Make, EM 3460, with RS-232/485 port, 0.1 Accuracy, software compactable 5) Lux Meter: - Mini lux 90, make KUSUM 6) Ultrasonic leak detector: - Lutron make, Ultrasonic air leak detector, Model GS-5800</p>
	(b) Thermal (list the name of the instruments)	NO
24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	<ul style="list-style-type: none"> - 2007: Presentation given on “Productivity Improvement in Foundries through Energy Management” at seminar on “Energy Conservation” organised by Kolhapur Chapter of ‘The Institute of Indian Foundry men’ at Kolhapur - 2007: Presentation given on “Energy efficient motors and case study ” at one-day workshop on “Energy Conservation Drive” organised by MEDA (Maharashtra Energy Development Agency) at Bhosari Industrial area, Pune - 2008: Presentation given on “Demand Side Management to CDM” in one day CDM workshop organised by IGES in association with TERI at Hotel Pride, Pune. - 2008: Presentation given on “Energy Conservation through Demand Side Management” at one-day workshop on “Energy Conservation Drive” organised by Mahindra & Mahindra for vendor at Kolhapur - 2008: Presentation given on “Team work of Processes, Production, Plant and Power Experts to attain competitive edge and gain CERs through DSM” in one day conference on ‘Indian Foundries- Towards a New Resurgence’ organised by Mineral & Metals Review (MMR) at Sun-n-sand, Pune. - 2008: Presentation given on “Food related Energy requirement” in one day workshop for ‘Food Cluster Pune’ on “Sensitization Program for Food processing industries, machinery/technology services providers and consultants” organised by SIDBI (Small Industries Development Bank of India) in association with TERI at MCCIA, Pune - 2010: Presentation given on “Team work of Experts from Process, Production, Plant and

		<p>Power to gain “Energy Savings” through DSM for Industries” in training workshop on ‘Adoption of energy efficient process technologies and practices and implementation of Energy Conservation Act 2001 in Automobile Sector’ organised by Bureau of Energy Efficiency (BEE) under Life Long Learning (3L) programme, at Pride Hotel, Pune.</p>
(ii)	International Training	<ul style="list-style-type: none"> - JICA Training for 1 month at JAPAN: Aug 21, 2010 to Sept 26, 2010 - During my stay in JAPAN I have visited and had interaction with following Industries/Plants to study the various techniques for Energy Conservation (steam system, electric power, lighting, inverters, rotating machines etc), also to study the Japanese Law, and convenient technology for Energy Conservation and had a successful discussions to learn the knowledge and acquire skills from Japanese experience - List of Japanese Industries - TOTO, Kokura Plant (SME) - YASKAWA Electric corporation, Kokura (Mfgr of Inverters/VFDs) - Panasonic Electric Works, Kyoto (Mfgr of EE lights) - Yasojima Proceed Co. Ltd, Kobe (SME) - Final Gate, Kobe (ESCo) - Corrocoat Japan Ltd, Kakogawa (Mfgr of pump material and monitoring of efficiency) - TLV International Inc, Kakogawa (Mfgr of Steam Traps) - Nippon Steel Corporation (lecture on Tribology for condition diagnosis of machine) - TOBATA Cooperative Thermal Power Co. Inc, Kitakyushu (Thermal Power Plant) - NISSAN Motors, Yamaguchi Plant (Automobile Industry with 200 + affiliate industries) - Nippon Coke and Engg, Wakamatsu (Mfgr of Coke) - Kitakyushu International Techno-Cooperative Association (Training) - Kyushu Institute of Technology (Training) - Japan International Cooperation Centre (Training) - JICA, Kitakyushu International Centre (Hands on Training)
(iii)	National Training	<ul style="list-style-type: none"> - 2005: ICORE (International Congress on Renewable Energy and Exhibition) – 20th to

		<p>23rd Jan'05, attended 4 day conference and also contributed as a volunteer and presented a concept of "Solar Power Tower" in ICORE (4 days)</p> <ul style="list-style-type: none"> - 2005: Training in Electrical Installations in Pune city with respect to public safety organized by Rotary Club of Pune, Sinhadgad Road and contributed in social survey of electrical installation condition (5 days) - 2007: Participated in the all India training seminar on 'Role of Power Engineers in Sustainable Development of Power Sector in India' POWER ENGINEERS-07 organized by Pune Local Centre, The Institution of Engineers (India) on 17th-18th Feb, 2007 (2 days) - 2008: Participated in Training Workshop on 'Electrical Safety in Industries and Domestic Use' at Vadodara, organized by POMC (Plant Operation and Maintenance Club) date 11th-13th September 2008 (3 days) - 2010: Participated in Training in 'Design PV system, Installations and Structure commissioning' organized during PV+Solar India EXPO by Electronics India at WTC, Mumbai, (2 days) - 2010: Participated in training workshop on 'Adoption of energy efficient process technologies and practices and implementation of Energy Conservation Act 2001 in Automobile Sector' organised by Bureau of Energy Efficiency (BEE) under Life Long Learning (3L) programme. (1 day)
iv)	Conferences attended	<ul style="list-style-type: none"> - 2005: ICORE (International Congress on Renewable Energy and Exhibition) – 20th to 23rd Jan'05, attended 4 day conference and also contributed as a volunteer and presented a concept of "Solar Power Tower" in ICORE (4 days) - 2006: Participated in National level 'Metering India Conference' at New Delhi, organized by IEEMA (Institute of Electrical and Electronics Manufacturing Association), dated 15th and 16th December 2006, (2 days) - 2006: Attended National level conference on 'Legal and Regulatory issues in Trading, open access for Captives, IPPs, Utilities and Renewable' at Mumbai, dated 6th January 2006, organized by IPPAI (Independent Power Producers Association of India) (1 day)

		<ul style="list-style-type: none"> - 2007: Participated in the all India training seminar on 'Role of Power Engineers in Sustainable Development of Power Sector in India' POWER ENGINEERS-07 organized by Pune Local Centre, The Institution of Engineers (India) on 17th-18th Feb, 2007 (2 days) - 2007: Attended National workshop on 'Developing Demand Side Management Roadmap for India' organized by BEE in association with MEDA (Maharashtra Energy Development Agency) at Hotel Le-Meridien, Pune, dated 1st & 2nd October 2007, (2 days) - 2008: Attended one day National level workshop titled 'Using Demand Side Management to Support Electricity Grid' organized by BEE in association with ABPS Infra at Hotel The Leela, Mumbai, dated 26th March 2008, (1 day) - 2009: Attended two days National level workshop on 'Energy Efficiency in Buildings, Codes and Ratings in Buildings' organized by MEDA and SEEM (Society of Energy Engineers and Energy Managers), dated 30th November and 1st December 2009, (2 days) - 2010: Attended Stakeholders Workshop on 'Lessons Learned from UK and International Experience for the potential of mandatory and voluntary trading schemes for Energy Efficiency and Climate Change' at Hotel The Mirage, Mumbai organized by BEE in association with ABPS Infra, dated 18th & 19th February 2010 (2 days) - 2010: Attended Stakeholders Workshop on 'Perform, Achieve and Trade Mechanism' (PAT) organized by BEE in association with ABPS Infra at Hotel The Mirage, Mumbai, dated 27th March 2010 (1 day) - 2010: Attended National level conference on 'Moving Towards Low Carbon Buildings in India' co organized by CASLE, OBU and RICS at India Habitat Center, New Delhi dated 26th December 2010
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D	Remarks(if any)

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