


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

Serial Number (AEA- 139)		As on .(26/11/2013)	
A.			
1	Name of accredited energy auditor	P. V. Antony Gerald	
2	Father's name	Peter Maria Joseph	
3	Date of certification as Energy Manager	18th November 2005	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	2005	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA- 3269	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	1565	
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	Wipro Eco Energy	
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)	I. Thanumoorthi, Senior Manager- Technical & Head Process Industries, Wipro Eco Energy, 3rd Floor, D-Block, Dodda kannelli, Sarjapur Road, Bangalore-560035. Tel: +91-80-39916761 Mobile: +91-9663380445 thanumoorthi.iyyappan@wipro.com
12	Professional postal address with Pin Code of the accredited energy auditor	P.V Antony Gerald, Manager- Energy Optimization Wipro Eco Energy, 3rd Floor, D-Block, Dodda kannelli, Sarjapur Road, Bangalore-560035. Tel: +91-80-39916761 Mobile: +91-9741127577
13	E-mail address	antony.gerald@wipro.com; antonygpv@gmail.com;
14	Telephone numbers . with STD Code (R) (O) Mobile no:	- (O) 91-80-39916761 +91 9741127577
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2008
16	Year of commencement of energy audit of the firm	2009
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Wipro EcoEnergy is going for ISO 9001:2008 certification for its Energy Management Business during August - September 2013 timeframe. However Wipro as a company is ISO, OHSAS 18001 and ISO 14001 certified.
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	Wipro Limited. Plot No 2, 3 & 4, Greater Noida, UP-201306 0120-3835300
C	Details of Associated Energy Experts	

19	Number of resource persons available	
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>Certified Energy Auditors – 10 Nos</p> <p>1) <u>Thanumoorthi I</u> Position in Wipro: Senior Manager – Solutions development Energy Audit certificate No: EA 35 Educational qualification: BE (Mechanical), ME (Energy) Work Experience: 17 years overall experience of which 4.5 years in Wipro. Sectors covered: Iron & Steel, Non Ferrous plants (Cu, Al & Zn), Pulp & Paper, Cement, Power plant, Chlor alkali plants & Soda ash plants, Chemical & Pharmaceuticals, Food processing, Automobile, Heavy engineering, Glass & Ceramic, Fertilizer, Mining, Telecommunication and Data Centers, Buildings & Commercial complexes, Airports, Water utilities and Municipalities,</p> <p>2) <u>Baijayanta Nath</u> Position in Wipro: Senior Manager – Energy Solutions Energy Audit certificate No: EA 1575 Educational qualification: BE (Mechanical), Post Graduate Diploma in Energy Management (PGDEM); Masters in Environmental Sciences, Policy and Management (MESPOM) Work Experience: 18 years overall experience of which 4.5 years in Wipro. Sectors covered: Iron & Steel, Pulp & Paper, Cement, Power generation, Pulp & Paper, tea, sugar, casting & forging, Food processing, Automobile, Heavy engineering, Glass & Ceramic, Fertilizer, Mining, Telecommunication and Data Centers, Buildings & Commercial complexes.</p> <p>3) <u>Shailesh P. Dangwal</u> Position in Wipro: Senior Energy</p>

		<p>Manager Energy Audit certificate No: EA 1317 Educational qualification: BE (Mechanical), ISO 9001:2000. Certified Internal Quality Auditor of company Work Experience: 15 years overall experience of which 5 years in Wipro. Sectors covered: Power supply, transmission & distribution, Telecommunication and Data Centers, Buildings & Commercial complexes.</p> <p>4) <u>A.L.Krishna Kumar</u> Position in Wipro: Energy Manager Energy Audit certificate No: EA 3266 Educational qualification: BE (Electrical & Electronics) Work Experience: 16 years overall experience of which 2 months in Wipro. Sectors covered: Sugar, Caustic soda, Glass and Airport infrastructure, Commercial sectors.</p> <p>5) <u>Hara Prasad Sahu</u> Position in Wipro: Energy Optimization Assessment Lead Energy Audit certificate No: EA 1335 Educational qualification: M. Tech (Energy Management) Work Experience: 14 years overall experience of which 1.5 years in Wipro. Sectors covered: Retail sector, Hotels, Commercial Buildings, Engineering, Telecom, Thermal Power Plant, Nuclear Power Plant, Chemical & Fertilizer, Co-generation Power Plant, Gas Power Plant, Mining, Municipal Corporation, Textile</p> <p>6) <u>Karthikeyan N S</u> Position in Wipro: Assistant Manager - Technical Assessment Energy Audit certificate No: EA 12501 Educational qualification: B.E (Electrical & Electronics) Work Experience: 7 years overall experience of which 5 years in Wipro.</p>
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Sectors covered: Hotels, Breweries, Automobile & Foundry industry, Buildings, Water Treatment plant, Telecom/Data center, Manufacturing, Municipal Street Lighting and Water pumping, Paper industry, Pharmaceutical, Buildings

7) **Pavan Kumar N**

Position in Wipro: Senior Engineer – Energy Audit

Energy Audit certificate No: EA 12224

Educational qualification: B.E (Electrical & Electronics)

Work Experience: 6.5 years overall experience of which 1.5 years in Wipro.

Sectors covered: Power Plants, Telecom, Aluminum, Cement, Textiles, Ceramic, Dairy, Seed Processing Industries, Municipalities, Hospitals and Universities

8) **Velumurugan K**

Position in Wipro: Assistant Manager – Energy Optimization

Energy Audit certificate No: EA 12810

Educational qualification: B.E (EEE); M.E (Energy)

Work Experience: 6 years overall experience of which 1 year in Wipro.

Sectors covered: Iron ore, Paper & Pulp, Textile, Commercial buildings (Hotels, Hospitals, and colleges) & Food Industry (Tea, Coconut powder & Biscuit)

9) **Chandrakant Sahu**

Position in Wipro: Assistant Manager – Energy Optimization

Energy Audit certificate No: EA 12908

Educational qualification: B.E (Electronics); M. Tech (Energy Management); CMVP (Certified Measurement & Verification Professional by EVO (US) & AEE (US))

Work Experience: 5 years overall experience of which 2 years in Wipro.

Sectors covered: Utility, Water, Commercial Buildings and Retail

		10) <u>Thanakarthik Kumar</u> Position in Wipro: Consultant Energy Audit certificate No: EA 5296 Educational qualification: B.E (EEE) Work Experience: 8 years overall experience of which 3 months in Wipro. Sectors covered: Pulp and paper, textile, Small and medium scale industries, buildings
	II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.	2
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	Iron & Steel, Pulp & Paper, Water utilities and Municipalities, Power plant, Cement, Chemical & Pharmaceuticals, Food processing, Automobile, Heavy engineering, Glass & Ceramic, Fertilizer, Mining, Telecommunication and Data Centers, Buildings & Commercial complexes, Airports
22	Subject wise expertise	All electrical and thermal utilities
(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"> • Power plant boilers & Turbines and power plant processes • Paper Machines and paper plant processes • Blast furnace & Basic oxygen furnace and all steel plant processes • Waste water aeration section • Datacenters ad Telecom exchanges
(b)	Energy audit thermal utility system (list sectors)	<ul style="list-style-type: none"> • Iron & Steel • Pulp & Paper • Water utilities and Municipalities • Power plants • Food processing
(c)	Energy audit electrical utility system (list sectors)	<ul style="list-style-type: none"> • Iron & Steel • Pulp & Paper • Water utilities and Municipalities

		<ul style="list-style-type: none"> • Power plant • Cement • Chemical & Pharmaceuticals • Food processing • Automobile • Heavy engineering • Glass & Ceramic • Fertilizer • Telecommunication and Data Centers • Buildings & Commercial complexes • Airports 	
23	Instruments available		
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> • Kry card 3-phase power analyzer • Kry card 3-phase power logger cum harmonic analyser • Fluke 41 B • Single phase power analysers 	
	(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> • Infrared pyrometer • Pitot tube and micro manometer • Flue gas analyzer (O₂, CO₂, CO) • Ultrasonic flow meter • Digital temperature indicator with temperature probes (low to high range) • Stroboscope • Temperature and humidity logger (A/C purpose) • Thermal Imager (Fluke for reliability study) 	
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit		
(i)			
(ii)			
(iii)			

D	Remarks(if any)

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