


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

Serial Number: AEA-276		As on Date: 02 <sup>nd</sup> November, 2017	
<b>A.</b>			
1	Name of accredited energy auditor	HEMANT VERMA	 Photograph of the energy auditor
2	Father's name	Sh B.L. MADARIA	
3	Date of certification as Energy Manager	22 <sup>nd</sup> November 2008	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	22 <sup>nd</sup> November 2008	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	(i) EA-3939 (ii) EA-3939	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	(i) EA-3939 (ii) EA-3939	
7	Date of issue of accreditation certificate	( to be filled by BEE)	
<b>B. Information in respect of trade name or firms' name</b>			
8	Trade name / firms name under which energy audit is proposed to be conducted	BSES Rajdhani Power Ltd, New Delhi	
9	Date of accreditation as accredited energy auditor	( to be filled by BEE)	
10	Type of firm/ private/ Government /	A Joint Venture of Reliance Infrastructure	

	NGO etc.	Ltd with Govt of NCT Delhi
11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address ( All details compulsory)	Hemant Verma (Additional Vice President) BSES Rajdhani Power Ltd. Room No.205, Adhchini Grid Building, Arvindo Marg, New Delhi-110017 Email:- Hemant.verma@relianceada.com Hemant.verma.in@gmail.com Contact :9313403994 Office :011-39999519
12	Professional postal address with Pin Code of the accredited energy auditor	Hemant Verma , BSES Sub-Station Flat No - 2 , Sector - 5, Pushp Vihar, New Delhi-110017
13	E-mail address	hemant.verma@relianceada.com; hemant.verma.in@gmail.com;
14	Telephone numbers. with STD Code (R) (O) Mobile no:	® 011-29564807 (O) 011-39999519 Mob : 9313403994
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2002
16	Year of commencement of energy audit of the firm	2002
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	ISO 14001:2004, ISO 9001:2008, ISO 27001:2005, ISO 18001:2007, ISO 50001:2012
18	No. of branch offices  (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	None
<b>C</b>	<b>Details of Associated Energy Experts</b>	
19	Number of resource persons available	21

<p>20</p>	<p>I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm</p>	<p><b><u>1.Hemant Verma (BEE Certified EA)</u></b>  <b><u>Designation: Additional Vice President</u></b>  <b><u>Head-EHV(LINE)-SOUTH / Demand Side</u></b>  <b><u>Management and Energy Conservation Cell</u></b></p> <p>I am an IIT Delhi alumnus and have done M.Tech in Energy Studies from this premiere institute and MBA in Financial Management. Possessing nearly 29 years of working experience in Power Sector with premium organizations like Central Electricity Authority, Ministry of Power, Govt. of India and Delhi Vidyut Board, New Delhi in their important functional departments.</p> <p>I worked in Central Electricity Authority in the Thermal Auxiliary Services department and was involved in Design and Optimization of cooling water system of Thermal Power Plants during period August 1988 to December 1995. My work in CEA covered Design, Detailed Engineering, Technology, Up gradation and Coordination of Auxiliary System viz, C.W System including cooling towers, compressors, air-conditioners and refrigerators, motors, pumps and fans etc, Water Treatment plant, Waste water Treatment plant, Coal Handling System, Ash Handling System and Fuel Oil Facilities for conventional Coal Fired thermal Power Project as well as Gas Turbine Combined Cycle Power Project. Presently I am working at BSES Rajdhani Power Ltd (A Joint Venture of Govt of NCT Delhi &amp; Reliance Infrastructure Ltd), and have conducted several energy audits of office buildings, hospitals, and hotels etc, since 2002. I am currently heading EHV TRL South Demand Side Management, Energy Conservation and PAT Cell. I am looking after operation &amp; maintenance of Grids, Equipment &amp; Feeders to maintain Transmission &amp; distribution of Electricity, planning and execution of schemes to meet future demand, tariff related issue, Energy Auditing and promotion of usage of Renewable energy, load balancing of transformer and feeders to achieve maximum transformer and feeder efficiency.</p>
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		<p>reduce day time peak. In BRPL Installed capacity is 7.3 MWp with more than 255 Net Metered consumers. Also preparing Demand Response program, with a potential load reduction of 25MW, in consultation with M/s Shakti Sustainable Energy Foundation, M/s Customised Energy Solutions and M/s OPower, USA.</p> <p>Under PAT cycle 2, DISCOMs have also been covered under Designated Consumers and I have been nominated as Energy Manager in BRPL and serving as the single point of contact for all communication and activities related to compliance for provisions of Energy Conservation Act, 2001 and Implementation of PAT scheme.</p> <p><b>2. Avinash Kumar (EA- 6550)- Sector- Thermal Power Stations, Power distribution and Commercial buildings</b></p> <p><b>3.Surinder Kumar Kansal (EA-14178)-Sector- Power distribution and Commercial buildings</b></p> <p><b>4.A.P Ram (EA-1596)-Sector- Power Distribution and Commercial buildings</b></p> <p><b>5.Satendra Kumar Agrawal (EA-4750)-Sector- Power distribution and Commercial buildings</b></p> <p><b>6. Pankaj Goyal (EA-3101)-Sector- Power Distribution and Commercial buildings</b></p> <p><b>7.Ritu Raj (EA-2447)-Sector- Power distribution and Commercial buildings</b></p> <p><b>8.Abhishek Ranjan (EA-17134)-Sector- Power Distribution and Commercial buildings</b></p> <p><b>9.Vineet Kumar Sharma (EA-11558)-Sector- Power distribution and Commercial buildings</b></p> <p><b>10.Devendra Singh Rawat (EA-4569)-Sector- Power distribution and Commercial buildings</b></p> <p><b>11.Ravi Malik (EA-10141)-Sector- Power Distribution and Commercial buildings</b></p> <p><b>12.Panchanand Singh (EA-6593)-Sector- Power distribution and Commercial buildings</b></p> <p><b>13.Rajesh Bansal (EM-3243)-Sector- Power Distribution and Commercial buildings</b></p> <p><b>14.Vishal Natani (EA-16948)-Sector- Power Distribution and Commercial buildings</b></p>
	<p>II. No. of part-time energy auditors in position during the current year / previous year associated with the</p>	<p><b>1.Dr.Prem Prakash Mittal, Accredited Energy Auditor, (AEA-011)</b></p>

	<p>energy auditor / energy auditor's firms.</p>	<p>Designation: Director, A-Z Energy Engineers Pvt. Ltd.  Served in Power Distribution utility of Haryana for 37 years and is PhD, MBA, PG Diploma in Power Distribution, Accredited Energy Auditor. He has conducted more than 70 Detailed Energy Audits, including that for PAT and specialized in Transport sector industry. Besides above, also carried out more than 180 nos Walk-Through Energy Audits of various industries.</p> <p>2.Mrs.Manisha Srivastava (EA-8556) )-Sector- Commercial buildings and Transport sector  3.SS Maan (EA-9011) )-Sector- Commercial buildings and Transport sector  4. Mrs. Surbhi Sinha (EA-0320) ) -Sector- Commercial buildings and Transport sector</p> <p><b>5. Kamlesh Kumar Jha, Accredited Energy Auditor,(AEA-0007)</b>  Designation: Director - M/s Padmashtdal Energy Services Pvt. Ltd.  Having more than 25 years experience in the field of Power System, Industrial Electronics, Utility system management, Condition Monitoring and Energy Conservation. He is B Tech (Electrical and Electronics) from NIT Surathkal, MS from BITS Pilani and is an Accredited Energy Auditor. He has conducted more than 50 Detailed Energy Audits of all major energy intensive sectors, including that for PAT.</p> <p>6.Sashi Bhushan Pandey (EA-5768) -Sector- Petrochemical and Petroleum refineries  7. Lal Ji Agrawal ( EA -7405 ) -Sector- Thermal Power Station and Electricity Transmission Company.</p>
21	<p>Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception</p>	<p>Power generation, Power distribution, Metal forging, printing, automobile parts, Paints, Leather, Textile and Paper Industry, Cable manufacturing, Heavy machines, Fertilizers, Hotels, Hospitals, Sponge Iron, Sheet metal, Schools, Colleges and Commercial Buildings, Railways etc</p>

22	Subject wise expertise	Electrical System and Thermal System	
(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	Power generation, Power distribution, Air conditioning of BRPL sub stations, Paint Process, Pulp & paper printing, Artificial leather, Automobile, Textile & Polymer, fertilizer	
(b)	Energy audit thermal utility system (list sectors)	Power generation, Power distribution, Metal forging, printing, automobile parts, Paints, Leather, Textile and Paper Industry, Cable manufacturing, Heavy machines, Fertilizers, Hotels, Hospitals, Sponge Iron, Sheet metal, Schools, Colleges and Commercial Buildings, Railways etc.	
(c)	Energy audit electrical utility system (list sectors)	Power generation, Power distribution, Metal forging, printing, automobile Leather, Textile and Paper Industry , cable manufacturing, Heavy machines, Fertilizers, Hotels, Hospitals, Sponge Iron, Sheet metal, Schools, Colleges and Commercial Buildings, Railways etc	
23	Instruments available		
	(a) Electrical (list the name of the instruments)	Power Analyzer –along with 2 set of CT (AC) & 1 no. CT (DC), LUX Meter, Tachometer, Digital clamp meter, Humidity & temperature meter, Digital Earth Tester, Stop Watch, Ultrasonic Flow Meter etc.	
	(b) Thermal (list the name of the instruments)	Pyrometer, Laser gun thermometer (infra-red thermometer), Flue gas analyzer, Anemometer, Thermo Hygrometer etc.	
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit		
	Organized by	Objective	Date
(i)	India Infrastructure Ltd, New Delhi	14 <sup>th</sup> Annual Conference on Managing Cost of	May 22-23, 2017

		Energy: Increasing Energy Efficiency & Profitability	
(ii)	National Productive council (NPC), New Delhi	State Level Awareness on PAT cycle – II & Way forward	March 03, 2017
(iii)	The Energy Conservation centre, Japan (ECCJ). Tokyo	Energy Conservation (BEC IN12) in Tokyo, Japan	January 22-28,2017
(iv)	Bureau of Energy Efficiency, Ministry of Power	The Energy Efficiency & Conservation capacity building program	November 15-18, 2016
(v)	Bureau of Energy Efficiency, Ministry of Power	PAT Scheme: Capacity building workshop for Electricity distribution companies under PAT	8 <sup>th</sup> , August 2016
(vi)	Shakti Sustainable Energy Foundation (SSEF), DSM India	10 <sup>th</sup> meet of Utility CEO Forum on Demand Side Management initiative	28 <sup>th</sup> , April 2016
(vii)	National Productivity Council and EE & REM, Delhi	State level meet for Energy Auditors and Energy Manager	30 <sup>th</sup> , March 2016
(viii)	Confederation of Indian Industry and Green Co Forum-Delhi	Green Energy- Opportunities in Industrial/Commercial Lighting Using Led	24 <sup>th</sup> Feb, 2016
(ix)	Bureau of Energy Efficiency and NPTI, Faridabad	Training of Trainers for DISCOM on DSM and Energy Efficiency	18-22, Jan 2016
(x)	IIT-Madras	Advances in Renewable Energy Technologies'	December 9 - 10th 2014
(xi)	The Energy and Resources Institute	'Energy Efficient Homes	27 <sup>th</sup> , November 2014
(xii)	CEA, Ministry of Power, GIZ and Steag Energy Services India Pvt. Ltd.	International seminar on Impact of generation from renewable	31 <sup>st</sup> , January 2014



		sources on conventional power generation and Grid	
(xiii)	Urja Prabodhan Kendra, Mumbai	aspects, Present Status, and the next 5 years	4 <sup>th</sup> September,2013

<b>D</b>	<b>Remarks( if any)</b>
	<p>Remarks:</p> <ul style="list-style-type: none"> <li>➤ M.Tech in Energy Studies from IIT Delhi and MBA in Financial Management from IGNOU.</li> <li>➤ Having 29 years of working experience in Power Sector with organization like Central Electricity Authority, Ministry of Power, Govt. of India, Delhi Vidyut Board and presently working as Addl.VP in BRPL.</li> <li>➤ During working in above organization my job profile are as follows. <ul style="list-style-type: none"> <li>• Heading EHV TRL South, Demand Side Management, Energy Conservation and PAT Cell. Looking after operation &amp; maintenance of Grids, Equipments &amp; Feeders in Transmission &amp; distribution system.</li> <li>• Planning and execution of schemes to meet future demand and tariff related issue.</li> <li>• Energy Auditing and promotion of usage of Renewable energy.</li> </ul> </li> <li>➤ Load balancing of transformer and feeders to achieve optimum performance.</li> <li>➤ Appeared for certification examination of energy auditor in 2008 (EA-3939) with an objective to actively participate in Energy conservation drive for sustainability of the Mother Earth.</li> <li>➤ Nominated as the Energy Manager and serving as the single point contact for all communication and activities related to EC Act, 2001 and PAT scheme in BRPL.</li> <li>➤ Associated with some of energy audit agencies to have in depth knowledge and hands on experience of energy audit in various industries and facilities.</li> <li>➤ Achieved substantial reduction in AT&amp;C Losses in BRPL taking following proactive initiatives: <ul style="list-style-type: none"> <li>• Replacement of Electro-Mechanical meter,</li> <li>• Replacement of bare overhead conductor with insulated bunched conductor,</li> <li>• Optimal loading of transformers and feeders,</li> <li>• HVDS installation,</li> <li>• APFCs installation.</li> </ul> </li> <li>➤ Major Activities of DSM Cell at BRPL are: <ul style="list-style-type: none"> <li>• Under Ujala scheme, Over 1.9 million LED bulbs have been distributed lead to Energy saving of approx. 27 MUs/Annum.</li> <li>• Under the SLNP, in SDMC area alone over 2 lakhs street lights replaced lead to annual energy savings 26.5 MUs.</li> <li>• LED tube light scheme launched in 2017 to distribute 50.000 nos per year which will result in saving of 1.8 MUs/ year.</li> </ul> </li> </ul>

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|  | <ul style="list-style-type: none"><li>• Promotion of Roof top Solar to reduce day time peak. In BRPL Installed capacity is 7.3 MWp with more than 255 Net Metered consumers.</li><li>• Distribution of 1, 50,000 nos of BEE five-star-rated super energy efficient ceiling fans with a potential of peak load reduction of 2MW.</li><li>• Replacement of 10,000 nos non star rated air conditioners with BEE five-star rated energy efficient AC , having potential of peak load reduction of 9MW</li><li>• Preparing Demand Response program, with a potential load reduction of 25MW, in consultation with M/s Shakti Sustainable Energy Foundation, M/s Customized Energy Solutions and M/s OPower, USA.</li></ul> |
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I hereby state that information furnished above is true and correct to the best of my knowledge.

Place: New Delhi  
Date: 7<sup>th</sup> June, 2017

( Hemant Verma)