


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

<b>Serial Number (AEA-0005)</b>		<b>As on .(26/02/2013)</b>	
<b>A.</b>			
1	Name of accredited energy auditor	Upendra Pratap Singh	
2	Father's name	Ram Yadi Singh	
3	Date of certification as Energy Manager	07/02/2013	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	06/04/2005	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-0232 EA-0232	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	406 0062	
7	Date of issue of accreditation certificate	26/05/2014	
<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	Sustenergy Solutions LLP	
9	Date of accreditation as accredited energy auditor	26/02/2013	
10	Type of firm/ private/ Government / NGO etc.	Private (Limited Liability Partnership)	

11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address ( All details compulsory)	Upendra Pratap Singh Partner 1644, HBC, Sector-31 Gurgaon-122001, Haryana, India Tel: 0124 – 4118308 Fax: 0124 - 4118308 Mob. 9910695696 Email: singhups@gmail.com
12	Professional postal address with Pin Code of the accredited energy auditor	Sustenergy Solutions LLP 1644, HBC, Sector-31 Gurgaon-122001, Haryana, India
13	E-mail address	singhups@gmail.com upsingh@sustenergysolutions.com
14	Telephone numbers. with STD Code (R) (O) Mobile no:	0124 – 4118308 8004210604 9910695696
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2022
16	Year of commencement of energy audit of the firm	2023
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	No
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	NIL
<b>C</b>	<b>Details of Associated Energy Experts</b>	
19	Number of resource persons available	8
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	6  1.Upendra Pratap Singh <i>Accredited Energy Auditor (AEA-0005), CMVP, Member ASHRAE</i> <i>M.Tech. (Energy Studies) - IIT Delhi</i> <i>B.E. (Mech.) – Bangalore University</i>

		<p>Upendra has over 25 years of work experience in energy efficiency, environment protection, sustainable development, safety and reliability projects, in government, public and private sector. He has experience of working with multilateral agencies-World Bank, UNDP, UNEP &amp; bilateral agencies-GTZ Germany, govt. bodies – BEE, EESL etc. Executed energy efficiency projects in 10 countries.</p> <ul style="list-style-type: none"> <li>- Conducted more than 300 energy audits in various sectors.</li> <li>- Worked with multinational corporation - Nestle to improve energy efficiency of their manufacturing plants in various countries</li> <li>- Have been involved with conceptualization, development and implementation of energy efficiency, cleaner production &amp; climate change projects in various sectors of the Indian economy including: Industrial, commercial, agriculture and urban.</li> <li>- Have been managing team of energy specialists, solution architects &amp; vendors to deliver energy efficiency consultancy &amp; implementation projects.</li> <li>- Demonstration of energy savings achieved after implementation of projects.</li> </ul> <p><b>2. Deepak Bajpai</b>  <i>Certified Energy Auditor (EA-19771), Chartered Engineer</i>  <i>B.Tech. (Mech.) – UPTU</i></p> <p>Deepak has over 16 years of work experience in various types of industries. His key areas of work are:-</p> <ul style="list-style-type: none"> <li>- Energy saving, process improvement, project management, cost reduction, resource management and maintenance management.</li> <li>- Implementation of ISO 9001:2015, ISO 14001:2015 &amp; OHSAS 18001:2007 activities.</li> <li>- NDT level 2 certified in Liquid Penetrate Testing and trained for Hazard Identification Techniques &amp; HAZOP.</li> <li>- Plant expansion, modification and upgradation projects.</li> </ul> <p><b>3. Rahul Mahajan</b>  <i>Certified Energy Auditor (EA-13930)</i>  <i>M.Tech. (Energy Management) – DAVV Indore</i>  <i>B.E. (Mech.) – RGPV Bhopal</i></p> <p>Rahul has over 12 years work experience in field of energy management. He has worked in areas of:-</p> <ul style="list-style-type: none"> <li>- Energy audits, demand side management projects &amp; baseline energy audits.</li> <li>- Execution of MuDSM &amp; AgDSM projects.</li> <li>- Baseline studies of PAT in Power Plant, Cement &amp; Steel sectors.</li> </ul>
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	<p>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>	<p style="text-align: center;">2</p> <p><b>1. Sanjeev Kumar Sanju</b>  <i>MBA (Mktg) – Faculty of Management Studies, Delhi</i>  <i>B.E. (Elect.) – Bhagalpur College of Engineering</i></p>

		<p>Sanjeev has over 25 years of work experience in areas of:-</p> <ul style="list-style-type: none"> <li>- Implementing energy management and conservation techniques to industries and commercial establishment, promoting energy management software, and energy monitoring products.</li> <li>- Inverter drive and automation products for energy cost reduction.</li> <li>- PV Solar rooftop projects on BOOT / OPEX model.</li> </ul> <p><b>2. Shobhit Singh</b>  <i>B.E. (Mech.) – UPTU</i></p> <p>Shobhit has over 6 years of experience in areas of:-</p> <ul style="list-style-type: none"> <li>- Energy data analysis</li> <li>- Performance evaluation</li> <li>- Solution identification</li> <li>- Report preparation</li> </ul>
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	<ol style="list-style-type: none"> <li>1. Iron &amp; Steel</li> <li>2. Thermal Power Plant</li> <li>3. Cement</li> <li>4. Paper &amp; Pulp</li> <li>5. Electricity Distribution Companies</li> <li>6. Railways (Traction &amp; Workshops)</li> <li>7. Hotels</li> <li>8. Textile</li> <li>9. Chlor- Alkali</li> <li>10. Buildings</li> <li>11. Data Centers</li> <li>12. Foods &amp; Beverages</li> <li>13. Automobile (OEM &amp; Components)</li> <li>14. Life Sciences (Pharmaceuticals)</li> <li>15. Tyre</li> <li>16. Battery</li> <li>17. Electronics</li> <li>18. Engineering</li> <li>19. Health Care</li> <li>20. FMCG</li> <li>21. Mining</li> <li>22. Forging</li> <li>23. Foundry &amp; Refractory</li> <li>24. Dairy</li> <li>25. Hydro-electric Power Plant</li> <li>26. Cables &amp; Optical Fibre</li> <li>27. Printing &amp; Packaging</li> <li>28. Water &amp; Waste Water</li> <li>29. Sugar</li> </ol>

		30. Plastics 31. Glass 32. Laminates
22	Subject wise expertise	<ul style="list-style-type: none"> <li>• Electrical demand management</li> <li>• Reactive power management</li> <li>• Power quality analysis and improvement</li> <li>• Safety and reliability</li> <li>• Maintenance optimization</li> <li>• Equipment modernization</li> <li>• Online monitoring, analysis and management of electrical &amp; mechanical/thermal parameters</li> <li>• Energy analytics</li> <li>• Heating ventilation and air conditioning (HVAC)</li> <li>• Lighting</li> <li>• Pumping system</li> <li>• Fans and blowers</li> <li>• Boilers, Furnaces, steam/hot water generation distribution and utilization</li> <li>• STP/WTP</li> <li>• Preparation of investment grade reports and bankable projects</li> <li>• Automation for optimization of equipment and processes</li> <li>• Building management system</li> <li>• Utility performance management system</li> <li>• Green house gas (GHG) emission reduction projects</li> <li>• Energy efficiency demonstration projects</li> </ul>
(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	Thermal Power Plants, Iron and Steel, Cement, Textile, Paper and Pulp, Chlor-Alkali, Life Sciences, FMCG, Automobile, Tyre, Dairy, Sugar, Laminates

(b)	Energy audit thermal utility system (list sectors)	Thermal Power Plants, Iron and Steel, Cement, Textile, Paper and Pulp, Life Sciences, FMCG, Tyre, Battery, Forging, Foundry, Glass, Dairy, Sugar, Laminates, Foods and Beverages etc.	
(c)	Energy audit electrical utility system (list sectors)	Thermal Power Plants, Iron and Steel, Cement, Textile, Paper and Pulp, Railways, DISCOMs, Life Sciences, FMCG, Tyre, Battery, Forging, Foundry, Glass, Dairy, Sugar, Laminates, Foods and Beverages, Hotels, Buildings, Data centers. Battery, Electronics, Engineering, Mining, etc.	
23	Instruments available		
	(a) Electrical (list the name of the instruments)	<ol style="list-style-type: none"> <li>1. Three Phase Power Analyzer</li> <li>2. Single Phase Power Analyzer</li> </ol>	
	(b) Thermal (list the name of the instruments)	<ol style="list-style-type: none"> <li>1. Flue Gas Analyzer</li> <li>2. Thermal Imager</li> <li>3. Infrared Thermometer</li> <li>4. Digital Thermo-Anemometer</li> <li>5. Lux Meter</li> </ol>	
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit		
(i)		Nil	
(ii)			
(iii)			

<b>D</b>	<b>Remarks( if any)</b>
	Nil

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