


**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- 0003)</b>		<b>As on :- 26 February, 2013</b>	
<b>A.</b>			
1	Name of accredited energy auditor	R. PARAMAN	 <p style="text-align: center;">Photograph of the energy auditor</p>
2	Father's name	Mannath Radhakrishnan	
3	Date of certification as Energy Manager	Energy Auditor 6 <sup>th</sup> April 2005	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	6 <sup>th</sup> April 2005	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA Registration no.0588	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	Certificate no. 0130 EA Registration no.0588	
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	Devki Energy Consultancy Pvt. Ltd., Vadodara	
9	Date of accreditation as accredited energy auditor	( to be filled by BEE)	
10	Type of firm/ private/ Government /	Private Limited	

	NGO etc.	
11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address ( All details compulsory)	A.V. Dinesh Director Devki Energy Consultancy Pvt. Ltd., 405, Ivory Terrace, R.C. Dutt Road, Vadodara, Gujarat – 390007 Tel: 0265-2330636 Fax: 0265-2354813 Mobile: 9227401159
12	Professional postal address with Pin Code of the accredited energy auditor	R. Paraman Director Devki Energy Consultancy Pvt. Ltd., 405, Ivory Terrace, R.C. Dutt Road, Vadodara, Gujarat – 390007
13	E-mail address	devkienergy@gmail.com
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(R) 0265-2290844 (O) 0265-2330636 Mobile no. 9825223844
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	1990
16	Year of commencement of energy audit of the firm	1990
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Nil
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	7
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors	3 nos Energy Auditors Full Time. Details as below.

associated with the firm

**Mr. R. Paraman**

B.E. (Electrical) from M.S. University, Baroda. Undergone Professional Development course in Advanced Energy Auditing at University of Wisconsin, U.S.A. Since 1986, working on energy audits and training programs. Conducted more than 300 energy audits & 50 training programs in India & Abroad.

Experience: 26 years

Sectors: Thermal Power Plants, Textiles, Pulp & Paper, Aluminium, Fertiliser, Sugar, Refinery, Petrochemicals, Steel re-rolling, Chemicals, Pharmaceuticals, Engineering & Commercial Buildings

Address:

R Paraman

Director

Devki Energy Consultancy Pvt. Ltd.,

405, Ivory Terrace, R.C. Dutt Road,

Vadodara, Gujarat – 390007

**Mr. A.V. Dinesh:**

B.Tech Electrical & Electronics, M.Tech Energy management. Since 1996, working on Energy Audits and training programs in industries. Chief resource person for preparation of Code & Best Practice Manuals for BEE- Ministry of Power, Govt. of India and PCRA. Conducted more than 200 energy audits & 25 training programs in India & Abroad.

Experience; 15 years

Sectors: Thermal Power Plants, Textiles, Pulp & Paper, Aluminium, Fertiliser, Sugar, Refinery, Petrochemicals, Chemicals, Pharmaceuticals, Engineering & Commercial Buildings

Address:

A.V. Dinesh

Director

Devki Energy Consultancy Pvt. Ltd.,

405, Ivory Terrace, R.C. Dutt Road,

Vadodara, Gujarat – 390007

		<p><b>Mr. K K Peethamparan</b></p> <p>B. Tech Mechanical Engineering. 2001 to 2004: Service Engineer with OPAL Engineers, Mumbai, India, working in the area of air conditioning. 2004 to 2008: Area Service Manager with L. G. Electronics (India), Mumbai, India, working in the area of air conditioning. Since 2008, with Devki Energy Consultancy for Energy Audits.</p> <p>Experience: 10 years</p> <p>Sectors: Petrochemicals, Fertilisers, Thermal Power Plants &amp; Commercial Buildings</p> <p>Address K.K. Peethamparan, D3, 412, Vrundavan Dham, Neelam Nagar, Mulund ( E) Mumbai-400081</p>
	<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><b>4 nos Part time energy auditors. Details as below.</b></p> <p><b>Dr. M.G. Gharpure</b></p> <p>B.Tech in Chemical Engineering from LIT, Nagpur in year 1977, M. Tech in Chemical engineering from IIT, Bombay in 1979, Ph.D n Chemical Engineering from IIT, Bombay in 1981 Energy auditing / engineering analysis of opportunities, Project development &amp; financing alternatives, Process &amp; System design, Turnkey construction or project management, Monitoring of program / project result.</p> <p>Experience; 35 years</p> <p>Sectors: Fertiliser, Refinery, Petrochemicals, Power Plants, Chemicals, Pharmaceuticals.</p> <p>Address: M.G. Gharpure Yajna Fuel Services, B-15, Ground Floor, Shree Dutta Vihar CHS Shivajinagar, B-Cabin, Thane(W)-400602</p>

**Ashok Parikh**

B.E. Electrical from Saurashtra University in 1971. Worked for 36 years on the project management related activities in the diversified industries like large Steam turbine/Gas turbine based power plants, large fertilizer unit, chemical and pharmaceutical concerns. Presently working in feasibility studies, design of captive power generation in industries. Expert in electrical safety audits and design of distribution systems.

Experience: 40 years

Sector: Chemicals, Pharmaceuticals, Power Plants & commercial Buildings

Address

Ashok R. Parikh

54, Omnagar, Opp. Golden Silver Complex lane, Subhanpura, Vadodara – 390023

**V.P. Mundhra**

B.E. (Chemical Engg.) from Indian Institute of Technology, Roorkee. 35 years experience in the fertilizer industry. Retired as Senior manager-Technical services at Chambal Fertilisers-Kota. Associate Consultant with Devki Energy since 2007. Working as Asst. Professor at Institute of Technology & Management, Bhilwara since 2010.

Experience: 40 years

Sectors: Fertilisers, Power Plants, Refinery & Petrochemicals

Address

V.P. Mundhra, Head of Power Plant Training Department, NH-79 , Chittor road, ITM, Bhilwara-311001 (Raj.)

**G. Vishwanathan**

B. E. Chemical Engineering in 1977. 26 years experience in IPCL, Vadodara. Head of the Process Engineering, Energy and Technical services. Process consultant to Technip India, L&T Chiyoda for various petrochemical/refinery projects for heat exchanger optimisation. Associate consultant of Devki Energy since 2008.

		<p>Experience: 35 years</p> <p>Sectors: Refinery &amp; Petrochemicals</p> <p>Address G. Vishwanathan, 12-C, Parthasarthy Street, Muttamizhnagar, Pammal, Chennai- 600075</p>
21	Sectors in which the energy auditor has conducted energy audits since inception	<p>Thermal Power Plant</p> <p>Textiles</p> <p>Pulp &amp; Paper</p> <p>Aluminium</p> <p>Fertiliser</p> <p>Sugar</p> <p>Refinery</p> <p>Petrochemicals</p> <p>Steel re-rolling</p> <p>Chemicals</p> <p>Pharmaceuticals</p> <p>Engineering</p>
22	Subject wise expertise	<p>Operation &amp; Analysis of following equipments/systems</p> <ol style="list-style-type: none"> <li>1. Electrical systems- Motors, transformers, distribution system, harmonics</li> <li>2. Pumps</li> <li>3. Fans/Blowers</li> <li>4. Compressed Air</li> <li>5. HVAC, Refrigeration –Air conditioning</li> <li>6. Cooling Towers</li> <li>7. Electrolysis</li> <li>8. Electrical heating-Resistance, Induction &amp; Arc</li> <li>9. Fuel fired equipments- Boilers, Hot oil generators, Furnaces</li> <li>10. Steam distribution analysis and traps</li> <li>11. End use analysis of heating &amp; cooling Waste Heat recovery- from utility equipments &amp; chemical processes</li> <li>12. Buildings</li> <li>13. Analysis of cogeneration potential</li> </ol>

(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	Pinch Analysis for Process heat Integration (Chloralkali)  Primary reformer analysis (Fertiliser)  Power Plant condenser cleanliness analysis
(b)	Energy audit thermal utility system (list sectors)	Thermal Power Plant Textiles Pulp & Paper Aluminium Fertiliser Sugar Refinery Petrochemicals Chlor-Alkali Chemicals Pharmaceuticals
(c)	Energy audit electrical utility system (list sectors)	Thermal Power Plant Textiles Pulp & Paper Aluminium Fertiliser Sugar Refinery Petrochemicals Chlor-Alkali Chemicals Pharmaceuticals
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ol style="list-style-type: none"> <li>1. Electrical Load Analyser</li> <li>2. Micro-ohm Meter</li> <li>3. Infra-red non-contact thermometer</li> <li>4. Sling hygrometer</li> <li>5. Ultrasonic flow meter – Doppler type</li> <li>6. Ultrasonic flow meter – Transit Time type</li> <li>7. Pressure gauge</li> </ol>

		8. Digital Non-Contact Tachometer 9. Pitot tube 10. Electronic manometer 11. Lux meter 12. Anemometer
	(b) Thermal (list the name of the instruments)	1. Thermometer 2. Surface Temperature indicator 3. Electronic flue gas analyser 4. Infrared thermometer
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"> <li>• IB Thermal Power Station ( OPGC) – Jharsuguda, Orissa</li> <li>• Wanakbori Thermal Power Station, Wanakbori, Gujarat</li> <li>• Gandhinagar Thermal Power Station, Gandhinagar, Gujarat</li> <li>• Godrej &amp; Boyce – Mumbai</li> <li>• Bayer Crop sciences – Ankleshwar</li> <li>• Lean Energy Solution- Kenya ( for Kenya Association of Manufactures)</li> <li>• Nuclear Power Corporation – Surat</li> <li>• Sun Pharmaceuticals – Vadodara</li> </ul>

The programs covered topics on electrical mechanical and thermal systems relevant to each plant

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



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