


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

Serial Number (AEA- 0250)		As on:- 04/11/2014	
A.			
1	Name of accredited energy auditor	Dharmendra Davda	
2	Father's name	Jamanbhai Davda	
3	Date of certification as Energy Manager	4 th September 2008	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	May 2008	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA - 9226 EA - 9226	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	3854 3854	
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	Aditya Birla Management Corporation 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)	Mr Jagrat Mankad Sr Vice President and Head Corporate Technical and Energy Services Aditya Birla Management Corporation Pvt Ltd. , ABSTCPL,Plot no. 1 & 1-A /1, MIDC Taloja, Taluka Panvel, Dist. Raigad – 410 208 Email: jagrat.mankad@adityabirla.com
12	Professional postal address with Pin Code of the accredited energy auditor	Aditya Birla Management Corporation Pvt Ltd., ABSTCPL,Plot no. 1 & 1-A /1, MIDC Taloja, Taluka Panvel, Maharashtra Dist. Raigad – 410 208
13	E-mail address	dharmendra.davda@adityabirla.com dharmendradavda80@gmail.com
14	Telephone numbers with STD Code (R) (O) Mobile no:	(O) 022-67603075 (M) +91 8108311822
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	1999 onwards Aditya Birla Management Corporation Pvt Ltd 1997-99 – A part of Indo Gulf Fertilizers Ltd
16	Year of commencement of energy audit of the firm	1997
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	ISO 9001: 2008
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	Nil
C	Details of Associated Energy Experts	
19	Number of resource persons available	16
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	11
	II. No. of part-time energy auditors in position during the current year /	NIL

previous year associated with the energy auditor / energy auditor's firms.

CVs of all the full-time Energy Auditors with their Names, Contact address and energy audited Sectors

❖ **Present Employer for all full time energy Auditor**
Aditya Birla Management Corporation Pvt Ltd.,

❖ **Contact address for all full time energy auditors:-**
Aditya Birla Management Corporation Pvt Ltd.,
ABSTCPL, Plot no. 1 & 1-A /1,
MIDC Taloja,
Taluka Panvel,
Dist. Raigad – 410 208

❖ **Brief CVs of all full time energy auditors:-**

Dharmendra Davda

(Deputy Manager)

Professional Education

- Bachelor in Chemical Engineering (2002)
- Certified Energy Auditor (2008)
- Certified Measurement & Verification Professional (CMVP)

Total work experience -----13 yrs.

- Energy Audits
- Training Programmes on Energy conservation
- Energy & Emission accounting and cost optimization
- Production operations handling & trouble shooting

Sector covered in Energy Audit studies

- Cement,
- Textile,
- Power Plants,
- Pulp, Fiber,
- Aluminium (Refinery & Smelting)
- Fertilizer
- Chemicals,
- Buildings,
- Engineering & foundry
- Pharmaceuticals

Dipak Khandare

(DGM- Electrical)

Present Employer

Aditya Birla Management Corporation (P) Ltd. -----Since 2007

Type of Employment -----Full Time

Professional Education

- Bureau of Energy Efficiency - Energy Auditor----- 2006
- Master of Business Administration (MBA) – 1998
- Post Graduate Certificate Course in Energy Management (IIT, Mumbai) – 2006
- Bachelor of Electrical Engineering – 1993
- CMVP - Appeared

Total work experience----- 17 yrs.

- Projects – Electricals
- Energy Conservation projects
- Energy Audits
- Electrical Maintenance
- Power system studies

Sector Covered in Energy Audit studies

- Chlor- Alkali & Chemicals
- Cement,
- Textiles
- Aluminium
- Fibre
- Power Plant

Jagrat Mankad

(Vice President and Head Corporate Technical and Energy Services)

Total work experience -----27 yrs.

- Industrial projects
 - Project Execution
 - Project Erection and Commissioning
- Material Handling Design and Manufacturing
- Marketing and Troubleshooting – Mechanical Transmission devices
- Energy Conservation projects
- Energy Audits

Sector Covered in Energy Audit studies

- Chlor- Alkali & Chemicals
- Cement, Textiles
- Aluminium

- Iron
- Power Plant

Deepak Gokhale

(GM Elect.)

Total work experience -----20yrs.

- Electrical Maintenance
- Project Execution
- Energy Conservation projects
- Energy Audits

Sector covered in Energy Audit studies

- Chlor- Alkali & Chemicals
- Cement,
- Textiles
- Aluminium
- Power Plant

Rajesh Chourishi

(Sr. Manager Elect.)

Total work experience -----23 yrs.

- Industrial power system projects
- Electrical Maintenance
- Power system studies & industrial network designing
- Energy Conservation projects
- Energy Audits

Sector covered in Energy Audit studies

- Aluminum,
- Cement,
- Textile,
- Power Plants,
- Pulp, Fiber, Carbon Black, Chemicals & Fertilizers
- Ferrous and Non ferrous metals
- Insulators,
- Mining,
- Office Buildings, Malls, Hyper & Super Markets

Jyotiprasad Bhattacharjee

(DGM- Elect.)

Total work experience----- 26 yrs

- Project execution from concept to commissioning of Power plants & Chemical plants .
- Troubleshooting of electrical problems in power plants and Chemical plants.
- System improvement for Power Plants electrics/instrumentation.
- O&M of Gas turbine, DG Power Plants.
- Electrical Maintenance of Fertilizer, Polymer, Fibre plants.
- Energy Audit of power plant, Textile and cement plant.

Sector covered in Energy Audit studies

- Chlor- Alkali & Chemicals
- Cement,
- Textiles
- Aluminium
- Power Plant

Mayank Shukla

(Manager Process)

Total work experience -----8 yrs.

- Basic Engineering Projects
- Detail Engineering Projects
- Commissioning
- Energy Conservation projects
- Energy Audits
- Energy Optimization projects

Sector covered in Energy Audit studies

- Chlor- Alkali & Chemicals
- Cement,
- Textiles
- Aluminium
- Iron
- Power Plant
- Fertilizers
- Petrochemicals
- Fiber

Monesh Sharma

(Manager Mechanical)

Total work experience -----11 yrs.

- Captive Power Plants (Operation & Maintenance)
- Mechanical Maintenance
- Projects (Erection and Commissioning)

	<ul style="list-style-type: none"> ➤ <input type="checkbox"/> Energy Conservation projects ➤ <input type="checkbox"/> Energy Audits <p style="color: #e91e63; text-align: center;">Sector Covered in Energy Audit studies</p> <ul style="list-style-type: none"> ➤ <input type="checkbox"/> Chlor- Alkali & Chemicals ➤ <input type="checkbox"/> Cement, ➤ <input type="checkbox"/> Textiles ➤ <input type="checkbox"/> Aluminium ➤ <input type="checkbox"/> Iron ➤ <input type="checkbox"/> Power Plant <p style="color: #e91e63; text-align: center;">Sudarshan Kumar Goyal General Manager</p> <p style="color: #e91e63; text-align: center;">Expeiece</p> <ul style="list-style-type: none"> ➤ Energy Audit, Project management, Cement Manufacturing Technology, Mechanical Maintenance , <p style="color: #e91e63; text-align: center;">Audit Sector</p> <ul style="list-style-type: none"> ➤ Cement, textiles, pulp and fiber, power plants, chemical, carbon black <p style="color: #e91e63; text-align: center;">Atul Joshi (Manager Process.)</p> <p style="color: #e91e63; text-align: center;">Total work experience -----7.5 yrs.</p> <ul style="list-style-type: none"> ➤ <input type="checkbox"/> Operations of MEG Plant ➤ <input type="checkbox"/> Commissioning of MEG Plant ➤ <input type="checkbox"/> Project Management for ABSTC ➤ <input type="checkbox"/> Energy Conservation projects ➤ <input type="checkbox"/> Energy Audits <p style="color: #e91e63; text-align: center;">Sector covered in Energy Audit studies</p> <ul style="list-style-type: none"> ➤ <input type="checkbox"/> Aluminum, ➤ <input type="checkbox"/> Cement, ➤ <input type="checkbox"/> Textile, ➤ <input type="checkbox"/> Pulp, Fiber, Carbon Black, Chemicals ➤ <input type="checkbox"/> Hyper & Super Markets.
21	<p>Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception</p> <p>Aluminium, Cement, Textile, Power Plants, Pulp, Fibre, Chemicals, Carbon Black, Fertilizer, Copper (Non ferrous metals), Insulators, Mining, Buildings</p>
22	<p>Subject wise expertise</p> <p><u>Electrical Utilities</u> - Detailed analysis of</p>

		<ul style="list-style-type: none"> • Pumps • Fans & Blowers • Cooling towers • Air compressor • Refrigeration and air conditioning <u>Thermal Utilities</u> – Detailed analysis of <ul style="list-style-type: none"> • Boiler • Furnace • Waste heat recovery • Steam system • Heat exchangers • Steam and gas turbine 						
(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"> • Cement Pyro process • Alumina Refinery 						
(b)	Energy audit thermal utility system (list sectors)	Aluminium, Power Plants, Pulp, Fibre, Chemicals, Carbon Black, Fertilizer, Copper (Non ferrous material), Insulators, Mining						
(c)	Energy audit electrical utility system (list sectors)	Aluminium, Cement, Textile, Power Plants, Pulp, Fibre, Chemicals, Carbon Black, Fertilizer, Copper (Non ferrous material), Insulators, Mining, Buildings						
23	Instruments available							
	(a) Electrical (list the name of the instruments)	<table border="1"> <tr> <td>• Power Logger ALM 10/Krykard</td> </tr> <tr> <td>• Fluke 41B Power and Harmonic Analyser/Fluke</td> </tr> <tr> <td>• Fluke 43B Power and Harmonic Analyser</td> </tr> <tr> <td>• Clampon Power meter Nanovip/Krykard</td> </tr> <tr> <td>• Power Quality Analyser Hioki 3196/Hioki</td> </tr> <tr> <td>• Lux Meter/Testo</td> </tr> </table>	• Power Logger ALM 10/Krykard	• Fluke 41B Power and Harmonic Analyser/Fluke	• Fluke 43B Power and Harmonic Analyser	• Clampon Power meter Nanovip/Krykard	• Power Quality Analyser Hioki 3196/Hioki	• Lux Meter/Testo
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	(b) Thermal (list the name of the instruments)	<table border="1"> <tr> <td>Ultrasonic Flow Meter/Eesiflo</td> </tr> <tr> <td>Ultrasonic Leak Detector/Ultraprobe</td> </tr> </table>	Ultrasonic Flow Meter/Eesiflo	Ultrasonic Leak Detector/Ultraprobe				
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		<table border="1"> <tr><td>Infrared Thermal Imager/Fluke</td></tr> <tr><td>DP Meter Testo 445/Testo</td></tr> <tr><td>Stack Gas Analyser/ACEMaxicem/Testo</td></tr> <tr><td>Pressure Logger/Crystal/Leo</td></tr> <tr><td>Digital Pressure Gauge/Crystal/Keller</td></tr> <tr><td>Digital Vane Anemometer/Dwyer/Testo</td></tr> <tr><td>Stroboscope/Testo</td></tr> <tr><td>IR Thermometer/Raytek/Testo</td></tr> <tr><td>Humidity/Temp. Indicator/Vaishala</td></tr> <tr><td>Temp/Rh. Data Loggers/Testo/Kimo</td></tr> </table>		Infrared Thermal Imager/Fluke	DP Meter Testo 445/Testo	Stack Gas Analyser/ACEMaxicem/Testo	Pressure Logger/Crystal/Leo	Digital Pressure Gauge/Crystal/Keller	Digital Vane Anemometer/Dwyer/Testo	Stroboscope/Testo	IR Thermometer/Raytek/Testo	Humidity/Temp. Indicator/Vaishala	Temp/Rh. Data Loggers/Testo/Kimo
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Stroboscope/Testo													
IR Thermometer/Raytek/Testo													
Humidity/Temp. Indicator/Vaishala													
Temp/Rh. Data Loggers/Testo/Kimo													
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	Training programme conducted during the energy audit at Aditya Cement - Shanbhupura	2013										
(i)													
(ii)		Training programme conducted during the energy audit at Hindalco Industries Ltd - Belgaum	2014										
(iii)		Training programme conducted during the energy audit at Hindalco Industries Ltd - Muri	2014										
		Training programme conducted during the energy audit at Indo Gulf Fertilizers - Jagdishpur	2015										

D	Remarks(if any)
	<ul style="list-style-type: none"> • We have carried out Energy Audits at various plants across the globe – Thailand, Indonesia, Canada, Phillipines, Egypts,etc • We are conducting Corporate Seminar once in a year for all our Group Units on latest topics on Energy / Reliability • We are publishing Quarterly C-ENERGY newsletter mainly focused on new developments in Energy field and circulate it to our group Units. • Encouraging our Group Units for celebration of Energy Conservation Day and participating in number of programs • Having High End Software for in depth analysis of Electrical and Thermal Energy like ETAP, MathCad, ASPEN, EBSILON etc. • Capacity Development of each individual auditor is being done on regular basis. • We have received accreditation for energy audit firm from Gujarat Electricity Commissioner, GEDA, and MEDA

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