


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

Serial Number (AEA- 0110)		As on (26/11/2013)	
A.			
1	Name of accredited energy auditor	Vijay Kumar Bansal	 <p style="text-align: center;">Photograph of the energy auditor</p>
2	Father's name	R.A. Bansal	
3	Date of certification as Energy Manager	2nd November 2006	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	2nd November 2006	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA - 3265 EA - 3265	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	1522 1522	
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 Vice President and Head Corporate Technical and Energy Services Aditya Birla Management Corporation Pvt Ltd. , ABSTC,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., ABSTC,Plot no. 1 & 1-A /1, MIDC Taloja, Taluka Panvel, Maharashtra Dist. Raigad – 410 208
13	E-mail address	vijay.bansal@adityabirla.com ; vij.bansal@gmail.com ;
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(O) 022-67603056 (M) +91 9594932404
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 ISO 50001:2011 (Lead Auditor)
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	19
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	12
	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.,
ABSTC, Plot no. 1 & 1-A /1,
MIDC Taloja,
Taluka Panvel,
Dist. Raigad – 410 208

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

Vijay Bansal

(Manager Mech.)

Total work experience -----17 yrs.

- Mechanical Maintenance
- Energy Conservation projects
- Energy Audits

Professional Education

- Bureau of Energy Efficiency - Energy Auditor----- 2006
- Bachelor of Mechanical Engineering – 1996
- PGDBM - 2001

Sector Covered in Energy Audit studies

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

Deepak Gokhale

(DGM 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

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

Dipak Khandare

(Sr. Manager)

Present Employer

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

Type of Employment -----Full Time

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

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

(Asst. 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

(Asst. Manager Mechanical)

Total work experience -----11 yrs.

- Captive Power Plants (Operation & Maintenance)
- Mechanical Maintenance
- Projects (Erection and Commissioning)
- Energy Conservation projects
- Energy Audits

Sector Covered in Energy Audit studies

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

Harshal Limdi

(Dy. Manager Mech.)

Total work experience -----11 yrs.

- Mechanical Maintenance
- Energy Conservation projects
- Energy Audits

Sector Covered in Energy Audit studies

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

Vikram Shah

(Dep.General Manager - Chemical.)

Total work experience----- 27 yrs.

- Agrochemicals and pesticides
- Polymers
- Specialty chemicals
- Energy Conservation projects
- Energy Audits

Sector Covered in Energy Audit studies

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

Sudarshan Kumar Goyal

Senior Manager

Expeiece

- Energy Audit, Project management, Cement Manufacturing Technology, Mechanical Maintenance ,

Audit Sector

- Cement, textiles, pulp and fiber, power plants, chemical, carbon black

Dharmendra Davda

(Deputy Manager)

Total work experience -----10 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,
- Chemicals,
- Buildings,
- Engineering & foundry
- Pharmaceuticals

Atul Joshi

(Dy. Manager Process.)

Total work experience -----7.5 yrs.

- Operations of MEG Plant
- Commissioning of MEG Plant
- Project Management for ABSTC
- Energy Conservation projects
- Energy Audits

Sector covered in Energy Audit studies

- Aluminum,
- Cement,
- Textile,
- Pulp, Fiber, Carbon Black, Chemicals
- Hyper & Super Markets.

	<div data-bbox="319 245 535 294" data-label="Section-Header"><h2>Atul Joshi</h2></div> <div data-bbox="319 296 609 331" data-label="Text"><p>(Dy. Manager Process.)</p></div> <div data-bbox="319 357 995 401" data-label="Text"><p>Total work experience -----7.5 yrs.</p></div> <div data-bbox="272 401 813 596" data-label="List-Group"><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</div> <div data-bbox="319 594 971 640" data-label="Text"><p>Sector covered in Energy Audit studies</p></div> <div data-bbox="272 640 885 833" data-label="List-Group"><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.</div>	
21	Sectors in which the energy auditor/energy audit firm has conducted energy audits since inception	Aluminium, Cement, Textile, Power Plants, Pulp, Fibre, Chemicals, Carbon Black, Fertilizer, Copper (Non ferrous metals), Insulators, Mining, Buildings
22	Subject wise expertise	<u>Thermal Utilities</u> – Detail analysis of <ul style="list-style-type: none">• Boiler• Furnace• Waste heat recovery• Steam system• Heat exchangers• Steam and gas turbine• Refrigeration and Air Conditioning.
(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	Nil
(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 data-bbox="768 405 1500 464">• Power Logger ALM 10/Krykard</td> </tr> <tr> <td data-bbox="768 464 1500 522">• Fluke 41B Power and Harmonic Analyser/Fluke</td> </tr> <tr> <td data-bbox="768 522 1500 581">• Fluke 43B Power and Harmonic Analyser</td> </tr> <tr> <td data-bbox="768 581 1500 640">• Clampon Power meter Nanovip/Krykard</td> </tr> <tr> <td data-bbox="768 640 1500 699">• Power Quality Analyser Hioki 3196/Hioki</td> </tr> <tr> <td data-bbox="768 699 1500 758">• Digital Multimeter/Motwane</td> </tr> <tr> <td data-bbox="768 758 1500 816">• Insulation Tester/Meco</td> </tr> <tr> <td data-bbox="768 816 1500 875">• Electric Motor Checker/EMC</td> </tr> <tr> <td data-bbox="768 875 1500 934">• 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	• Digital Multimeter/Motwane	• Insulation Tester/Meco	• Electric Motor Checker/EMC	• Lux Meter/Testo			
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• Electric Motor Checker/EMC														
• Lux Meter/Testo														
	(b) Thermal (list the name of the instruments)	<table border="1"> <tr> <td data-bbox="768 1016 1500 1075">Ultrasonic Flow Meter/Eesiflo</td> </tr> <tr> <td data-bbox="768 1075 1500 1134">Ultrasonic Leak Detector/Ultraprobe</td> </tr> <tr> <td data-bbox="768 1134 1500 1192">Infrared Thermal Imager/Fluke</td> </tr> <tr> <td data-bbox="768 1192 1500 1251">DP Meter Testo 445/Testo</td> </tr> <tr> <td data-bbox="768 1251 1500 1310">Stack Gas Analyser/ACEMaxicem/Testo</td> </tr> <tr> <td data-bbox="768 1310 1500 1369">Pressure Logger/Crystal/Leo</td> </tr> <tr> <td data-bbox="768 1369 1500 1428">Digital Pressure Gauge/Crystal/Keller</td> </tr> <tr> <td data-bbox="768 1428 1500 1486">Digital Vane Anemometer/Dwyer/Testo</td> </tr> <tr> <td data-bbox="768 1486 1500 1545">Stroboscope/Testo</td> </tr> <tr> <td data-bbox="768 1545 1500 1604">IR Thermometer/Raytek/Testo</td> </tr> <tr> <td data-bbox="768 1604 1500 1663">Humidity/Temp. Indicator/Vaishala</td> </tr> <tr> <td data-bbox="768 1663 1500 1722">Temp/Rh. Data Loggers/Testo/Kimo</td> </tr> </table>	Ultrasonic Flow Meter/Eesiflo	Ultrasonic Leak Detector/Ultraprobe	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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24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	Fostering RCM culture- A Winning Strategy to Stand Tall	2009
(ii)		Green Energy	2011
iii)		Energy Managers Proficiency enhancement Workshop	2012

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, HTRI, MathCad, 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.)