

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

Serial Number (AEA - 0037)		As on:- 26 February, 2013	
A.			
1	Name of accredited energy auditor	Atul Joshi	
2	Father's name	Sharad Joshi	
3	Date of certification as Energy Manager	Energy Auditor 15 th July 2009	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	2 nd Nov 2006	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA - 6010	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	4466	
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 Head – Corporate Technical and Energy Services (ABMCPL), ABSTC, Plot No. 1 & 1- A/1, MIDC Taloja, Tal. Panvel, Dist. Raigad 410208, Maharashtra, India Email: jagrat.mankad@adityabirla.com
12	Professional postal address with Pin Code of the accredited energy auditor	Corporate Technical & Energy Services, (ABMCPL), ABSTC, Plot No. 1 & 1- A/1, MIDC Taloja, Tal. Panvel, Dist. Raigad 410208, Maharashtra, India
13	E-mail address	atul.joshi@adityabirla.com atuljoshi.chem@gmail.com
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(R) +91 9594935411 (O) 022 - 27403253 (O) 022 - 67603253 +91 9594935411
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	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:-**
Corporate Technical & Energy Services (ABMCPL),
ABSTC, Plot no. 1 & 1-A /1,
MIDC Taloja, Taluka Panvel,
Dist. Raigad – 410 208

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

Atul Joshi

(Dy. Manager Process.)

Present Employer

- Aditya Birla Management Corporation (P) Ltd. -----**Since 2008**
- Type of Employment -----**Full Time**

Education

- Bureau of Energy Efficiency Energy Auditor----- 2006
- BE (Chemical) -----2004
(SVM Engineering College, University of Pune)

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.

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

(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

Dipak Khandare

(Sr. Manager)

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

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

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.

21	Sectors in which the energy auditor 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>Electrical Utilities</u> - Detailed analysis of <ul style="list-style-type: none"> • Tariff Analysis – Effective utilization of ToD. • Contract Demand Rationalization • Distribution network from optimizing at best efficiency point • Electric Motor (HT & LT) • Transformers • Illumination • Thermography

		<ul style="list-style-type: none"> • Power Quality Study • Power System Studies using ETAP software (Like:- Load flow, Harmonic , Short circuit, Device duty analysis and Relay coordination) • DG set • Pumps • Fans & Blowers • Cooling towers • Air compressor • Refrigeration and air conditioning <p><u>Thermal Utilities</u> – Detail analysis of</p> <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	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"> <thead> <tr> <th>Sr.No</th> <th>Electrical Instruments</th> <th>Nos.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Power Logger ALM 10/Krykard</td> <td></td> </tr> <tr> <td>2</td> <td>Fluke 41B Power and Harmonic Analyser/Fluke</td> <td>1</td> </tr> <tr> <td>3</td> <td>Fluke 43B Power and Harmonic Analyser</td> <td>1</td> </tr> <tr> <td>4</td> <td>Clampon Power meter Nanovip/Krykard</td> <td>3</td> </tr> </tbody> </table>	Sr.No	Electrical Instruments	Nos.	1	Power Logger ALM 10/Krykard		2	Fluke 41B Power and Harmonic Analyser/Fluke	1	3	Fluke 43B Power and Harmonic Analyser	1	4	Clampon Power meter Nanovip/Krykard	3
Sr.No	Electrical Instruments	Nos.															
1	Power Logger ALM 10/Krykard																
2	Fluke 41B Power and Harmonic Analyser/Fluke	1															
3	Fluke 43B Power and Harmonic Analyser	1															
4	Clampon Power meter Nanovip/Krykard	3															

	5	Power Quality Analyser Hioki 3196/Hioki	3
	6	Digital Multimeter/Motwane	3
	7	Insulation Tester/Meco	1
	8	Electric Motor Checker/EMC	1
	9	Digital Earth Tester/Motwane	1

(b) Thermal (list the name of the instruments)	Sr.No	Thermal Instruments	Nos.
	1	Ultrasonic Flow Meter/Eesiflo	3
	2	Ultrasonic Leak Detector/Ultraprobe	3
	3	Infrared Thermal Imager/Fluke	3
	4	DP Meter Testo 445/Testo	3
	5	Stack Gas Analyser/ACEMaxicem/Testo	2+1
	6	Pressure Logger/Crystal/Leo	2+1
	7	Digital Pressure Gauge/Crystal/Keller	1+2
	8	Digital Vane Anemometer/Dwyer/Testo	2+1
	9	Stroboscope/Testo	3
	10	Digital Luxmeter/Testo	3
	11	IR Thermometer/Raytek/Testo	2+1
	12	Humidity/Temp. Indicator/Vaishala	3
13	Temp/Rh. Data Loggers/Testo/Kimo	2+2	

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)		Electrical Power System Protection- A 360° Approach, Best Practices and Beyond	2010
(iii)		Green Energy	2011

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.)