


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

Serial Number ( AEA- 0180)		As on:- 09/10/2014	
<b>A.</b>			
1	Name of accredited energy auditor	<b>Pandurang B. Bellary</b>	
2	Father's name	Bhimrao V. Bellary	
3	Date of certification as Energy Manager	<b>ENERGY AUDITOR</b> <b>15-05-2011</b>	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	15-05-2011	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	<b>CEA-11511</b>	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	<b>CEA-11511</b>	
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	<b>Larsen &amp; Toubro Limited</b>	
9	Date of accreditation as accredited energy auditor	( to be filled by BEE)	
10	Type of firm/ private/ Government / NGO etc.	<b>Private</b>	

11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address ( All details compulsory)	<b>Mr. R. Ravichandran</b> <b>Head- Energy management</b>  <b>Address: Larsen &amp; Toubro, EAIC, North Wing, Level 4, Gate no 7, Powai Campus, Saki Vihar Road, Mumbai - 400 072</b>  <b>Phone : 022- 67053050</b> <b>Mobile: 9967354330</b> <b>Fax No: 022 -67051195</b> <b>Email : <a href="mailto:Ravichandran.R@LNTEBG.com">Ravichandran.R@LNTEBG.com</a></b>
12	Professional postal address with Pin Code of the accredited energy auditor	<b>Larsen &amp; Toubro, No 67, Appuswamy Road, Red fields, Coimbatore 641 045, Tamil Nadu</b>
13	E-mail address	bellarypb@lntebg.com
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(R) 0422-2449330 (O) 0422-2588144 Mobile no: 9500462444
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	1946
16	Year of commencement of energy audit of the firm	2010
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Yes ISO 9001:2008 ISO 14001 OHSAS 18001 NABL ACCREDITATION CERTIFICATES FOR Electrical Testing, Mechanical Testing, Electrical Technical Calibration, Mechanical Calibration
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	TWENTY FOUR  (DETAILS GIVEN AT THE END OF THIS FORM)
<b>C</b>	<b>Details of Associated Energy Experts</b>	
19	Number of resource persons available	6

<p>20</p>	<p>I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm</p>	<p><b>4</b></p> <p>1. <b>Mr. P.B.Bellary</b></p> <p><b>Qualification:</b> BE in <b>Electrical</b> Engineering, MBA</p> <p><b>Experience:</b>  21 years' experience in Electrical Industry with exposure to LV distribution &amp; Control system. Experience in Strategic Planning and Financial Management. Have participated in Harmonic audits &amp; Energy Audits of Engineering units, Railway workshops, Automobile units, soft drink units, commercial &amp; IT buildings, Hospitals</p> <p><i>Certified Energy Auditor by Bureau of Energy Efficiency (BEE) India (CEA-11511)</i></p> <p>2. <b>Mr. Joydeep Banerjee,</b></p> <p><b>Qualification:</b> B.E in Industrial Engineering, P.G Diploma in Energy management</p> <p><b>Experience:</b> 7 years' experience in Energy Audits of , Engineering units, Automobile units, soft drinks/beverage, foundry, cable manufacturing, commercial &amp; IT buildings, Steel, Cement, Power Plant, Pharmaceuticals, Food Products, Refractory, Rubber Products</p> <p><i>Certified Energy Auditor by Bureau of Energy Efficiency (BEE) India (CEA-11106 )</i></p> <p>3. <b>Mr. Sanjay Aggarwal</b></p> <p><b>Qualification:</b> B.TECH in Electrical Engineering, &amp; BBA P Graduation – MMM, &amp; PGDBM</p> <p><b>Experience:</b> 20 years' experience in Electrical Industry with knowledge on Industrial Automation, Power Systems, Reactive Power Management &amp; Harmonics, Protection Relays, Metering Solutions, Switchgears Selection. Have done Harmonic Studies / Audits &amp; Energy Audits of Engineering units, Automobile Units, Soft drinks / Beverage, Commercial &amp; IT Buildings,</p>
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	II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.	NIL
21	Sectors in which the energy auditor/ energy audit firm has conducted energy audits since inception	Automobile Industry , Engineering Industries, Electrical Cable/Wire Drawing , Indian Railways Workshop , Soft Drink Manufacturing , Commercial Office Building,Malls , Infotech Building, Datacentre , Hospital, Tyre Industry, Agro Industries (Fish Feed,Polutry Feed)

22	Subject wise expertise	<ul style="list-style-type: none"> <li>• Reactive Power Compensation &amp; Harmonics</li> <li>• Drives &amp; Automation</li> <li>• Motors</li> <li>• Electrical Switchgears</li> <li>• Building Automation</li> <li>• Metering &amp; EMS</li> <li>• DG Synchronisation</li> <li>• HVAC</li> <li>• Lighting</li> <li>• Pumping</li> <li>• Cooling Towers</li> <li>• Compressors</li> <li>• Boilers &amp; Steam network</li> <li>• Fans &amp; Blowers</li> <li>• Energy Conservation Measure with financial analysis of payback period</li> <li>• Training in Energy efficiency</li> <li>• Assistance in implementation of ECMs in electrical field</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	NIL
(b)	Energy audit thermal utility system (list sectors)	CONTINUOUS FURNACES (AUTO COMPONENT MANUFACTURING) GAS CARBURIZING FURNACE (AUTO COMPONENT MANUFACTURING) HOT WATER GENERATION SYSTEM (AUTOMOBILE MANUFACTURING)
(c)	Energy audit electrical utility system (list sectors)	ELECTRICAL DISTRIBUTION, COMPRESSORS, FANS, BLOWERS, COOLING TOWERS, HVAC SYSTE, PUMPS & MOTORS & DG SETS IN VARIOUS SECTORS MENTIONED ABOVE
23	Instruments available	
	(a) Electrical (list the name of the instruments)	3 Phase Power Analyzer Power meter

		Digital tachometer	
	(b) Thermal (list the name of the instruments)	Ultra Sonic liquid flow meter Telescopic Vane type anemometer Pitot Tube (L Types) Thermal Imaging Camera Infrared Thermometer Thermo couple 4 - Channel temperature data logger Thermohygrometer with datalogging Combustion Analyser Digital Manometer Bourdon Type Dial Pressure gauges Lux Meter Water pH Tester ultrasonic leak detector	
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	(i)	Training on Energy Conservation at L&T Technology Conclave Location : L&T Training Centre (6 programs for senior management of customers)
(ii)		Training on Energy Conservation Ultratech Cement – Hirmi -CG	
(iii)		Training on Energy Conservation Tubes India -Chennai	
(iv)		Training on Energy Conservation Jindal Steel & Power – Raigarh -CG	
(v)		Training on Energy Conservation Mahindra & Mahindra Haridwar	

D	Remarks( if any)

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

ENCL: List & Address of L&T Branches across India

## List of Branch offices with address and contact details

### Electrical Standard Products (ESP) Branch Offices:

#### REGISTERED OFFICE AND HEAD OFFICE

L&T House, Ballard Estate  
P. O. Box 278  
**Mumbai 400 001**  
Tel: 022-67525656  
Fax: 022-67525858  
Website: www.larsentoubro.com

#### ELECTRICAL STANDARD PRODUCTS (ESP)

501, Sakar Complex I  
Opp. Gandhigram Rly. Station  
Ashram Road  
**Ahmedabad 380 009**  
Tel: 079-66304006-11  
Fax: 079-66304025  
e-mail: esp-ahm@Lntebg.com

38, Cubbon Road, P. O. Box 5098  
**Bangalore 560 001**  
Tel: 080-25020100 / 25020324  
Fax: 080-25580525  
e-mail: esp-blr@Lntebg.com

131/1, Zone II  
Maharana Pratap Nagar  
**Bhopal 462 011**  
Tel: 0755-3080511 / 05 / 08 / 13 / 17 / 19  
Fax: 0755-3080502  
e-mail: esp-bho@Lntebg.com

Plot No. 559, Annapurna Complex  
Lewis Road  
**Bhubaneswar 751 014**  
Tel: 0674-6451342, 2436696  
Fax: 0674-2537309  
e-mail: esp-bbi@Lntebg.com

SCO 32, Sector 26-D  
Madhya Marg, P. O. Box 14  
**Chandigarh 160 019**  
Tel: 0172-4646840, 4646853  
Fax: 0172-4646802  
e-mail: esp-chd@Lntebg.com

L&T Construction Campus  
TC-1 Building, II Floor  
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**Chennai 600 089**  
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Fax: 044-22706940  
e-mail: esp-maa1@Lntebg.com

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Post Bag 7156  
Opp. Nirmala College  
**Coimbatore 641 045**  
Tel: 0422-2588120 / 1 / 5  
Fax: 0422-2588148  
e-mail: esp-cbe@Lntebg.com

Khairasol, Degaul Avenue  
**Durgapur 713 212**  
Tel: 2559848, 2559849, 2559844  
Fax: 0343-2553614  
e-mail: esp-dgp@Lntebg.com

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**Guwahati 781 021**  
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Vaishali Nagar  
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Fax: 0141-4385925  
e-mail: esp-jai@Lntebg.com

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**Jamshedpur 831 003**  
Jharkhand  
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e-mail: esp-jam@Lntebg.com

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Crystal Tower, Plot No. 606/1  
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Fax: 0261-2477078  
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Radhadaya Complex  
Old Padra Road  
Near Charotar Society  
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