

**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-0228)</b>		<b>As on</b>	
<b>26/6/2015</b>			
<b>A.</b>			
1	Name of accredited energy auditor	Shri Durgaji Bonam	
2	Father's name	BONAM KRISHNA	
3	Date of certification as Energy Manager	1 <sup>st</sup> Feb'13	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	17 <sup>th</sup> Jan'13	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA- 17058	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	7191	
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	National Productivity Council 10-E, Gaganvihar, M.J.Road, Hyderabad – 500 001	
9	Date of accreditation as accredited energy auditor	( to be filled by BEE)	

10	Type of firm/ private/ Government / NGO etc.	GOVERNMENT
11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address ( All details compulsory)	Shri Harbajan Singh, IAS Director General, National Productivity Council Utpadakta Bhavan, 5-6 Institutional Area, Lodhi Road New Delhi – 110 003 Phone: 011-24690331; Fax: 011-24615002 Email: dgnpc@npcindia.gov.in
12	Professional postal address with Pin Code of the accredited energy auditor	National Productivity Council, 10-E, Gaganvihar, M.J.Road Hyderabad – 500 001
13	E-mail address	<a href="mailto:durgaji.bonam@npcindia.gov.in">durgaji.bonam@npcindia.gov.in</a> ; <a href="mailto:durgajibonam@outlook.com">durgajibonam@outlook.com</a> ;
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(O): 040-24733473 (M): +91 9493811719
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	1958 as National Productivity Council, under Societies Act, under Ministry of Commerce & Industry, Govt. of India
16	Year of commencement of energy audit of the firm	1976
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	YES (ISO 9001:2008); NPCs Hyderabad Regional Professional Management Group
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	1 Head Quarters and 12 Regional Offices:  <ul style="list-style-type: none"> <li>• <b>Head Quarters : New Delhi</b> <b>Shri Harbhajan Singh, IAS</b> Director General National Productivity Council Utpadakta Bhavan, 5-6 Institutional Area, Lodhi Road, New Delhi – 110003 Phone: 011-24690331 Email: <a href="mailto:npcinfo@npcindia.gov.in">npcinfo@npcindia.gov.in</a></li> </ul>

Fax: 011- 24615002

**Regional Office: BENGALURU**

**Sh. P. Dharmalingam**

Director & Group Head

National Productivity Council

2nd Floor, Abhaya Complex

KSDB Building, 55, Risaldar Street

Seshadripuram, Bangalore 560 020

Tel: 080-23467294 / 95

Fax: 23467296

Email: [bngnpc@gmail.com](mailto:bngnpc@gmail.com)

[bangalore@npcindia.gov.in](mailto:bangalore@npcindia.gov.in)

• **Regional Office : BHUBANESWAR**

**Sh. B. Girish**

Sr. Deputy Director & Group Head

National Productivity Council

A/7, Surya Nagar, Bhubaneswar –

751003, Odisha

Tel : 0674 2397381/26,

Fax : 0674 2397380

Email [npcbbs@bsnl.in](mailto:npcbbs@bsnl.in)

• **Regional Office : CHANDIGARH**

Sh. G. Saravanan

Director & Group Head

National Productivity Council

SCO 40 (1st Floor), Sector-7 C

Madhy Marg, Chandigarh – 160019

Tel : (O) 2794108, 2794110

Fax : (0172) 2794109

Email [npc-chd@chd.nic.in](mailto:npc-chd@chd.nic.in)

• **Regional Office & Training Center:  
CHENNAI**

**Sh. K.V.R. Raju**

Director (AIP) & Group Head

National Productivity Council

No. 6, SIDCO Indl. Estate Amabattur

Chennai, Tamil Nadu – 600098

Tel : (O) 26255216, 26251808,

26254904 (R) 24844521

Fax : (044) 26254904/26255012

Email [npcaipchn@gmail.com](mailto:npcaipchn@gmail.com)

- **Regional Office : GANDHINAGAR**  
Sh. Shirish Paliwal  
Director & Group Head  
National Productivity Council  
E – 5, GIDC, Electronic Estate, Sector  
26, Gandhi Nagar, Gujarat – 382028  
Tel : (O) 079-23287344, 23287345  
Fax : 079-23287443  
Email [gandhinagar@npcindia.gov.in](mailto:gandhinagar@npcindia.gov.in)
- **Regional Office : GUWAHATI**  
Sh. S. Malik  
Director & Group Head  
National Productivity Council  
Rajgarh Road, P.B. No. 32, Ulubari  
P.O. Guwahati, Assam – 781 007  
Tel : (O) 2453396, 2451896  
Fax : (0361) 2450160  
Email [npcghy@gmail.com](mailto:npcghy@gmail.com)
- **Regional Office : HYDERABAD**  
Sh. D. Sreenivasulu  
Deputy Director & In-Charge  
National Productivity Council  
10th Floor, Eastern Wing  
Gagan Vihar Complex,  
M.J. Road, Nampally  
Hyderabad, Andhra Pradesh -500001  
Tel : (O) 040-24733473  
Fax: 040-24606981  
Email [npc.ap@nic.in](mailto:npc.ap@nic.in)
- **Regional Office : JAIPUR**  
Sh. C. Narendra  
Director & Group Head  
National Productivity Council  
SB-96, Jawahar Lal Nehru Marg, Bapu  
Nagar, Jaipur – 302 004  
Tel : (O) 2702935/ 9871323220  
Fax : (0141) 2703573  
Email : [npcjaipur@rediffmail.com](mailto:npcjaipur@rediffmail.com)
- **Regional Office: KANPUR**

Sh. R. Dubey  
Director & Group Head  
National Productivity Council  
4th Floor, Kabir Bhavan  
(U.P.H.C. Ltd.'s building, Directorate of  
Industries (U.P.) Campus)  
G.T. Road Kanpur – 208 002  
Phone: 0512-2224176  
Tele-Fax: 0512-2224177, 3025735  
Email : [npckanpur@bsnl.in](mailto:npckanpur@bsnl.in)

- **Regional Office: KOLKATA**

Shri A.K. Sinha  
Director- Business Generation & Group  
Head  
National Productivity Council  
9, Syed Amir Ali Avenue, Park Circus,  
Kolkata, West Bengal – 700017  
Tel : (O) (033)-22876069, 22873116  
Fax : (033) 22873919  
Email – [ak.sinha@npcindia.gov.in](mailto:ak.sinha@npcindia.gov.in),  
[npckol@dataone.in](mailto:npckol@dataone.in)

- **Regional Office: MUMBAI**

Sh. T. Shankarnarayanan  
Director & Group Head  
National Productivity Council  
Novelty Chambers, 7th Floor, Grant  
Road, Mumbai, Maharashtra – 400007  
Tel : (O)23002924, 23071322 (R)  
0251-2400561 Fax : (022) 23073323  
Email : [npcmum@vsnl.net](mailto:npcmum@vsnl.net);  
[npcmumbai@mtnl.net.in](mailto:npcmumbai@mtnl.net.in)

- **Regional Office: PATNA**

Sh. P.R. Upadhyay  
Director & Group Head  
National Productivity Council  
2nd Floor, Sudama Bhawan  
Boring Road Crossing, Patna, Bihar –  
800001  
Tel : (O) 6122572311  
Fax : (0612) 2572577  
Email: [npcpat@sify.com](mailto:npcpat@sify.com)

<b>C</b>	<b>Details of Associated Energy Experts</b>	
19	Number of resource persons available	Around 110 (Consultants)
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>18 nos. and few are:</p> <p><b>1. R.Virendra</b>  Dy. Director General  33 years experience with the firm  <b>Key Qualification:</b></p> <ul style="list-style-type: none"> <li>• B.Tech. (Chemical Engineering),</li> <li>• Post Graduate Diploma in Energy Management.</li> <li>• BEE Accredited Energy Auditor</li> </ul> <p><b>Experience:</b>  33 years experience as Consultant and Trainer in Energy Management &amp; conservation. Few of the major assignments undertaken as team leader are:</p> <ul style="list-style-type: none"> <li>▪ Held the position of `Controller of Examinations` and Head of Dr.Ambedkar Institute of Productivity, NPC, Chennai, which conducts the Energy Managers/Energy Auditors National Certification Examinations on behalf of Bureau of Energy Efficiency, New Delhi</li> <li>▪ Accelerated Power Development and Reforms Project of MoP, Gol in states of Himachal Pradesh, Assam and West bengal</li> <li>• BEE National Level assignment on assessment of energy Conservation Potential in Four sectors (Agricultural Pump sets, Municipalities, Buildings, SME) for the 28 states and 7 union territories</li> <li>▪ BEE's PAT (Perform Achieve and Trade) Baseline Energy Audits for Cement Sector as well as Power sector for the groups allotted to NPC.</li> <li>▪ Cleaner Production – Energy Efficiency Studies for UNEP, Paris</li> <li>• Post Graduate certificate course on Energy Management for 11th Batch Energy Management Trainees of National Productivity Council</li> <li>▪ Regular faculty at NPC's Post Graduate programme on Energy Management</li> <li>▪ Designated as a National Expert in Energy Efficiency by Energy Management Centre, Delhi, India</li> </ul> <p><b>2. A.K.Sinha</b></p>

		<p>Director (Energy Management) 29 years experience with the firm</p> <p><b>Key Qualification:</b></p> <ul style="list-style-type: none"> <li>• Graduate Degree of Engineering, National Institute of Technology, Durgapur, 1972-1977</li> <li>• Post Graduate Diploma in Energy Management &amp; Conservation, Ambedkar Institute of Productivity, Chennai, 1979-1981</li> <li>• Accredited Energy Auditor</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>• Transmission &amp; Distribution Studies – APDRP – at Assam, WB</li> <li>• Implementation of Energy Conservation Act – 2001</li> <li>• Carried out shop floor productivity improvement assignment, Energy efficiency &amp; conservation, Resource conservation, heat rate and auxiliary power consumption reduction for various industrial sector as well as power sector such as - <ul style="list-style-type: none"> <li>○ Thermal Power Stations (DVC, NTPC)</li> <li>○ Engineering Units</li> <li>○ Paper Units</li> <li>○ CP Plants (IOCL)</li> <li>○ Pharmaceuticals Industries</li> <li>○ Chemicals Industries (MCC PTA)</li> <li>○ Paints Units</li> <li>○ Steel Foundry</li> <li>○ Rolling Mills</li> <li>○ Jute Industries</li> <li>○ Tea</li> <li>○ 12 Edible Oil &amp; Vanaspati Units</li> </ul> </li> <li>• BEE sponsored study for assessment of Energy consumption and Energy conservation in 4 sectors (involved in Municipal Sector)</li> <li>• Techno-economic viability study at Dunlop India Limited Kolkata</li> <li>• Design of Cathodic protection at Gujarat Heavy Chemicals , Veraval</li> <li>• Thermal Insulation Survey under Comprehensive energy audit at <ul style="list-style-type: none"> <li>• NTPC-SAIL Power Company Ltd. Durgapur</li> <li>• NTPC-SAIL Power Company Ltd. Bhilai</li> <li>• Damodar Valley Corporation Durgapur</li> <li>• Damodar Valley Corporation Bokaro</li> </ul> </li> </ul>
		<p><b>3. Anupom Chakraborty</b> Sr.Deputy Director (EM) 25 years experience with the firm</p> <p><b>Key Qualification:</b></p> <ul style="list-style-type: none"> <li>• Bachelor Degree in Mechanical Engg.- Assam Engineering College</li> <li>• TIPIE (now AIP), Chennai - Two- Yr. PG Certificate in Energy Mgmt.)</li> </ul>

		<ul style="list-style-type: none"> <li>• Japan Productivity Center, Tokyo – One month Trg. Certificate on ' Environment Protection &amp; Resource Conservation'</li> </ul> <p>Experience:</p> <ul style="list-style-type: none"> <li>• Bongaigaon T. P. S. under ASEB - July'81 to Nov'83, Assistant Engineer (O &amp; M)</li> <li>• Performed duties as adviser cum consultant as team leader for the entire APDRP project in the circle of 24 PGs (South), West Bengal State Electricity Board (WBSEB) during end of 2001.</li> <li>• Responsibility: Under the project, the AcC activities included DPR preparations, BID document preparations, assisting the state utilities, awarding the contracts, monitoring the construction/ implementation activities of various schemes as per the provision of DPR.</li> </ul> <p><b>4. P.Dharmalingam</b>  Director  21 years experience with the firm  <b>Key Qualification:</b></p> <ul style="list-style-type: none"> <li>• BEE Accredated Energy Auditor</li> <li>• B.Tech (Hons)Mech, Spl-Automobile Engg Madras Institute of Technology</li> <li>• PGDEM (Post Graduate Professional Course in Energy Management) TIPIE,Chennai</li> <li>• M.S ( Software Systems-Spl Energy Mgmt) BITS, Pilani</li> <li>• <b>ADM</b> - (Business Administration) AIMA</li> <li>• <b>DIM</b> (Industrial Management) Symbiosis Institute,Pune</li> </ul> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>• Consulting assignments in Energy Audit &amp; Energy Efficiency for Industries (Direct users):</li> <li>• Executed more than 200 assignments covering Process, Engineering &amp; Service industry. The sectors covered are Refineries, chemical, textiles, dairy, paper, sugar, tyre, steel, cement, fertilizers, pumping, oil &amp; gas processing, automobiles, railways, power plant, large hotel and commercial buildings</li> <li>• 25 years experience as Consultant and Trainer in Energy Management &amp; conservation</li> <li>• Cleaner Production Energy Efficiency manual for Greenhouse gas Emission Reduction in Industry in Asia Pacific (GERIAP),UNEP,2000  A Manual was prepared for training of trainers to the needs of nine countries in Asia pacific region under UNEP Project.</li> <li>• Performance assessment of Biomass power generation/Cogeneration project in India,</li> </ul>
--	--	--



		<p>Supported by <b>MNRE</b>, GOI, New Delhi)</p> <ul style="list-style-type: none"> <li>• Performance assessment and efficiency improvement in Heat &amp; Power consuming equipments namely, Steam Generators, Waste Heat Boilers, Process/Fired Heaters</li> <li>• Energy audit and Performance assessment in Refrigeration, Compressed Air ,Cooling Water System, water pumping, fan system and Lighting system.</li> <li>• Energy optimisation in process, process integration</li> <li>• Thermal Power Station and Transmission &amp; Distribution</li> <li>• Thermal Insulation &amp; Steam Trap Survey</li> <li>• Captive Power &amp; Co-Generation – Steam &amp; Gas Turbine plant: Evaluation&amp; Improvements</li> <li>• Fuel/steam and power optimisation applicable to large continuous process plants</li> <li>• Electrical Demand side Management</li> <li>• Water audit and conservation Application of metering &amp; monitoring system and Energy Efficient equipments</li> </ul>
		<p><b>5. H. Raghavendra Prabhu</b> Director 23 years experience with the firm <b>Key Qualification:</b></p> <ul style="list-style-type: none"> <li>• B.Tech. (Mechanical Engineering),</li> <li>• Post Graduate Diploma in Energy Management.</li> <li>• Post Graduate Programme in Management (M.B.A. Equivalent) in Production &amp; Operations Management, All India Management Association, New Delhi</li> <li>• Diploma in Training &amp; Development, Indian Society of Training &amp; Development, New Delhi.</li> <li>• Accredited Energy Auditor (AEA) by Bureau of Energy Efficiency (BEE), Govt. of India.</li> </ul> <p><b>Experience:</b> 22 years of experience in training and consultancy in different energy intensive sectors.</p> <ul style="list-style-type: none"> <li>• A unique combination of service in Energy Management &amp; Audit, Production and Operations Management, and also in Training &amp; Development with rich experience of Consulting and Training.</li> <li>• Carried out more than 250 Energy Audit and Conservation studies in large and medium industries in different sectors such as Dairy, Mining, Pharmaceutical, Building, Automobile, Pulp &amp; Paper, Chemical, Textile, re-rolling, Forging etc. Also done projects in Industrial Engineering discipline.</li> <li>• Imparted training to more than 4000 senior and middle level executive of various public and</li> </ul>

private organizations such as GAIL, ONGC, NTPC State Electricity Board, Hero Honda, Karnataka Power Corporation & Indian Railways through national level inter-company training programme and in-company training programme.

**6. B.P.Bhandary**

Director (EM)

23 years experience with the firm

Key Qualification:

- Bachelor of Engineering (Mechanical), Osmania University, Hyderabad (1986).
- 2-years Post Graduate professional training in Energy Management at National Productivity Council's Training Institute at Chennai (1988 –1990).
- Master in Financial Management, JBIMS, Mumbai University (1997)
- Certified Energy Auditor

Experience:

- Performance assessment of 4 X 250 MW Hydro-electric Power Plant of Theri Hydro Development Corporation
- Consulting assignments in Energy Audit, Energy Efficiency & Technical Audit
- Involved in the preparation of Detailed Project Reports for improving the infrastructure of ASEB for supplying quality power as well as for better revenue realisation under Accelerated Power Development and Reforms Programme (APDRP) of Ministry of Power, Government of India.
- Implementation and Monitoring of the projects under APDRP in select circles of ASEB.
- Assessing the performance of several bio-mass based Power Plants for availing Capital Subsidy from Ministry for New & Renewable Energy (MNRE).
- Performance assessment and efficiency improvement in Heat & Power consuming equipments namely, Steam Generators, Waste Heat Boilers, Process/Fired Heaters, Refrigeration, Compressed Air and Cooling Water System.
- Thermal Insulation & Condensate recovery system.
- Energy optimisation in process.
- Captive Power & Co-Generation – Steam & Gas Turbine plants.
- Fuel/steam and power optimisation in large continuous process plants.
- Electrical Demand Management

- Application of metering & monitoring system and Energy Efficient equipments
- Capacity Building and Training Programmes

**7. T.S.Narayan**

Director

26 years experience with the firm

Key Qualification:

- B.Tech. (Electrical & Electronics Engineering),
- Post Graduate Diploma in Energy Management.
- BEE Accredated Energy Auditor

Experience:

25 years experience as Consultant and Trainer in Energy Management & conservation

- Executed more than 120 assignments covering Process, Engineering & Service industry. The sectors covered are textiles, dairy, paper, fertilizers, petroleum product pumping, oil & gas processing, automobiles, railways, power, large luxury hotel and commercial buildings.
- Performance assessment and efficiency improvement in Heat & Power consuming equipments namely, Steam Generators, Waste Heat Boilers, Process/Fired Heaters, Refrigeration, Compressed Air and Cooling Water System.
- Technical audit of Repair & Maintenance of MSEB Thermal Power Station and Transmission & Distribution Circles
- Thermal Insulation & Steam Trap Survey
- Energy optimisation in process
- Captive Power & Co-Generation – Steam & Gas Turbine plants
- Fuel/steam and power optimisation applicable to large continuous process plants
- Electrical Demand Management
- Application of metering & monitoring system and Energy Efficient equipments

**8. R.Suryanarayan**

Director

22 years experience with the firm

Key Qualification:

- BEE Accredated Energy Auditor
- B.Tech. (Mechanical Engg.) Anna University
- Post Graduate Diploma in Energy Management- National Productivity Council, Chennai
- National Productivity Council, Chennai- M.S ( Software Systems)

Experience:

- 21 years experience as Consultant and Trainer in Energy Management.
- Energy Conservation & energy Efficiency in Industry

		<p>sector</p> <ul style="list-style-type: none"> <li>▪ Technology Application &amp; Diagnostic Studies</li> <li>▪ Technology Assessment / Needs</li> <li>▪ Thermal Power Plant Auxiliary Energy use optimization studies</li> <li>▪ Functioned as a Chief Consultant and a specialist in Energy Efficiency improvement studies and energy audit in a wide spectrum of industries including recent ones:</li> <li>▪ Environments Audits &amp; monitoring at NTPC, RSTPS.</li> <li>▪ Faculty in Drum Training Program (Andhra Pradesh State Electricity Board)</li> <li>▪ Preparation of Energy Guide books for Bureau of Energy Efficiency.</li> <li>▪ Sectoral Energy Audits for Deptt. of Power.</li> <li>▪ Assessment of Cogeneration potential in India.</li> </ul> <p><b>9. P. Chitra</b> Asst .Director 6 years experience with the firm Key Qualification:</p> <ul style="list-style-type: none"> <li>• M.E. (BioEnergy)</li> <li>• PGDCA -PG Diploma in Computer Application</li> <li>• B.E. (Agricultural Engineering)</li> <li>• Accredited Energy Auditor (BEE)</li> </ul> <p>Experience:</p> <ul style="list-style-type: none"> <li>• 1 year as Asstt. Director (Energy Mgt.) in AIP, NPC, Chennai in.</li> <li>• 1 year 11 months and 16 days as Sr. Research Fallow in Department of Bio-Energy, AEC&amp;RI, Tamil Nadu Agricultural University (TNAU), Coimbatore.</li> <li>• 5 months and 13 days as Sr. Research Fallow in Forest College &amp; Research Institute, Mettupalayam, TNAU.</li> <li>• 2 years, 1month and 4 days as JRF in Department of Agricultural Food Process Engineering, TNAU, Coimbatore.</li> </ul> <p><b>10. Prashant Srivastava</b> Asst .Director 6 years experience with the firm Key Qualification:</p> <ul style="list-style-type: none"> <li>• B.Tech (Chemical Engineering),</li> <li>• BEE Certified Energy Auditor</li> </ul> <p>Experience: <b>Detailed Energy Audit study</b> of various types of companies includes the following</p> <ol style="list-style-type: none"> <li>(i) M/s Oberoi Hotels – all over India</li> <li>(ii) M/S PVR Cinemas – all over India</li> <li>(iii) M/s Continental Carbon India Ltd,</li> </ol>
--	--	---

Ghaziabad

(iv) M/s Tata Teleservices Ltd , New Delhi

(v) M/S Radico Khaitan Limited , Rampur (U.P.)

Under the project **Process Integration and Optimization in Pulp and Paper Industry** – X five Year Plan Project. , a “Detailed Energy Audit, Performance Evaluation and Optimization studies” was conducted in the following four Pulp & Paper mills

(i) M/s Mysore Paper Mill, Bhadravati, Karnataka

(ii) M/s Cachar Paper Mill, Panchgram, Assam

(iii) M/s Nagaon Paper Mil, Jagi Road, Assam

(iv) M/s Bilt , Unit : ShriGopal ,Yamunanagar

**Other Energy Audits of Interest:**

**Brief Overview:** Under the provision of conservation act 2001, energy audit for buildings above 100 kW of connected load were made mandatory. On this being in NPC I was privileged to carry out energy audits in prestigious government buildings viz

- Mini Secretariat, Chandigarh ,
- Vidhansabha , Dehradun
- Secretariat, Dehradun
- Aayakar Bhawan , Dehradun
- Tel Bhawan , Dehradun
- Lal Bahadur Shastri Academy , Mussorie

**11. D.Rajnikant**

Dy .Director

8 years experience with the firm

Key Qualification:

- B.Tech (Chemical Engineering),
- Post Graduate Diploma in Energy Management
- BEE Accredited Energy Auditor

Experience:

**MAJOR PROJECTS EXECUTED – Few key projects at a glance**

1. Key team member in work executed by NPC in APDRP Project
2. Energy audit at Ferozabad Glass Industries
3. Capability Assessment of SDA for implementation of EC Act 2001
4. Energy Audit At Delhi International Airport
5. Development Of PDD for Large Scale Biomass Based Grid Connected Power Plant From India
6. GERIAP (Greenhouse Emission Reduction from Industry in Asia & Pacific) Project

		<p><b>12. Durgaji Bonam</b>  Asst .Director  5 years experience with the firm  Key Qualification:</p> <ul style="list-style-type: none"> <li>• B.Tech. (Chemical),</li> <li>• M.E. (Chemical Engg.),</li> <li>• Post Graduate Certificate Program in Energy Management.</li> <li>• BEE Certified Energy Auditor</li> </ul> <p>Experience:  Key team member in the various National level assignments such as BEE's study to assess the Energy Consumption and Conservation Potential in sectors like Commercial, Agricultural, Municipal and SME sector through out Country.  BEE/EESL PAT (Perform Achieve and Trade) Baseline Energy Audits for the Cement Plants.</p> <p>Conducted Energy Audits at various Thermal Power Plants, Cements Plants etc., such asNTPC Ramagundam, NTPC Simhadri, NSPCL Bhilai, Cement Corporation of India, Ordnance Factories, Security Printing Press .</p> <p>Faculty for USAID sponsored DRUM programs for Electrical Utilities, Boiler Directorates, BEE, NEDCAP, NMDC training programs  Training Programs :Energy conservation and efficiency, Demand side Management ,APDRP.R-APDRP, Energy audit in Power plant audits, process industries PAT scheme</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>21</p>	<p>Sectors in which the energy auditor/ energy audit firm has conducted energy audits since inception</p>	<p>Aluminium, Buildings (Hospitals, Hotels, Malls, Schools, Tourist Offices), Chemicals Inorganic, Chemicals Organic, Cement, Chloralkali, Dyes, Engineering, Frabraction, Glass, Ceramic &amp; Tiles, Iron &amp; Steel ,Fertilizers, Jute &amp; Jute products, Lamination Industries, Mineral Ores, Mining Industries, Naval Vessels, Pulp &amp; Paper, Power Plants, Pharmaceuticals, Railways, Roadways, Tea Estates,Transmission &amp; Distribution</p>

22	Subject wise expertise	<ul style="list-style-type: none"> <li>• <b>Aluminum</b> - RV,AC,BN,AKS</li> <li>• <b>Buildings</b> (Hospitals, Hotels, Malls, Schools, Tourist Offices) - RV,AKS,TSN,PB,BD,PKR,VV,PC,PS,AM,SK,BR</li> <li>• <b>Chemicals Inorganic</b> -RV, TSN,PB ,GG,AKS, HRP,</li> <li>• <b>Chemicals Organic</b>-RV,TSN,PB ,GG,AR, AKS,HRP</li> <li>• <b>Cement</b>- RV ,TSN,PB,GG,DRK,BD,PKR,HRP</li> <li>• <b>Chloralkali</b> - RV,TSN,PR ,AKS,HRP</li> <li>• <b>Dyes</b> - RV,TSN,PB ,RS,GG,AR,HRP,AKS</li> <li>• <b>Engineering</b> - RV,AKS,TSN ,GG,PB,HRP,DB,PKR</li> <li>• <b>Frabraction</b> - RV,AKS,TSN ,GG,PB,HRP,DB,PKR</li> <li>• <b>Glass,Ceramic&amp;Tiles</b> - RV,AKS,TSN ,GG,PB,HRP,DB</li> <li>• <b>Iron &amp; Steel</b> - RV,AKS,HRP ,PD,DB,VV</li> <li>• <b>Fertilizers</b> - RV,TSN ,PD,AKS</li> <li>• <b>Jute</b> - RV,AKS,PB,TSN ,PD,AKS</li> <li>• <b>Lamination</b> - RV,AKS,PB,TSN ,PKR, DB</li> <li>• <b>Mineral Ores</b> - RV,AKS, TSN</li> <li>• <b>Mining</b> - RV,AKS,TSN</li> <li>• <b>Naval Vessels</b> - RV,AKS,TSN</li> <li>• <b>Pulp &amp; Paper</b> - RV,AKS,TSN,HRP,PD,DB</li> <li>• <b>Pharmaceuticals</b> - RV,AKS,TSN,HRP,PD,DB</li> <li>• <b>POWERPLANTS</b>-RV,AKS,TSN ,HRP,HRP,AC,AR,DB,GG BD, PKR, PD,PS, BR, AM,SK</li> <li>• <b>Railways</b> - RV,AKS,TSN,PB,PC</li> <li>• <b>Roadways</b> -RV,AKS,TSN,PB,PC</li> <li>• <b>Tea Estates</b> -RV,AKS,AC,AR,HRP ,PB, TSN</li> <li>• <b>Transmission &amp; Distribution</b>--RV,AKS,AC,AR,HRP ,PB, TSN</li> </ul> <p>RV - R.VIRENDRA,Director  AKS - A.K.SINHA,Director  AM- ALOK MITTAL,Dy.Director  TSN - T.SANKAR NARAYANAN,Director  SK - SUNIL KUMAR,Dy.Director  PB - P.BHANDARI,Dy.Director  AC - ANUPAM CHAKRAVORTHY,Dy.Director  PD - P.DHARMALINGAM,Director  BD - B.DURGAJI, Asst.Director  HRP - H.R.PRABHU,Director  PKR - PAVAN KUMAR RYALI,Asst.Director  VR - VIPIN ROPHILLA,Asst.Director  PC - P.CHITRA,Asst.Director  VV - V.VELAYUTHAM,Asst.Director  RS - R.SURYANARAYANAN,Dy.Director  CK - CHANDRA KUMAR,Asst.Director  GG - G.GOPINATHAN,Asst.Director  AN - AVJIT NAYAK,Asst.Director  AR - AMITAVA RAY,Dy.Director  KM - K.MALLICK,Asst.Director  DRK - D.RAJANIKANT,Dy.Director  DM - D.MISHRA,Asst.Director  PS - PRASANTH SRIVATSAV,Asst.Director  AV - ANAND VARMA,Asst.Director</p>

		<b>JK</b> - Jitin KAPOOR, AssT. Director <b>NY</b> - NAKUL YADAV, Asst. Director
(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"> <li>• Aluminum Production Process</li> <li>• Cement Production Process</li> <li>• Textiles Production Process</li> <li>• Iron &amp; Steel Production Process</li> <li>• Fertilizers Production Process</li> <li>• Pulp &amp; Paper Production Process</li> <li>• Sugar Production Process</li> <li>• Pharmaceuticals Production Process</li> <li>• Dyes &amp; Chemicals Production Process</li> </ul>
(b)	Energy audit thermal utility system (list sectors)	<ul style="list-style-type: none"> <li>• Aluminum</li> <li>• Buildings (Hospitals, Hotels, Malls, Schools, Tourist Offices)</li> <li>• Chemicals Inorganic</li> <li>• Chemicals Organic</li> <li>• Cement</li> <li>• Chloralkali</li> <li>• Dyes</li> <li>• Engineering</li> <li>• Fabrication</li> <li>• Glass, Ceramic &amp; Tiles</li> <li>• Iron &amp; Steel</li> <li>• Fertilizers</li> <li>• Jute &amp; Jute products</li> <li>• Lamination Industries</li> <li>• Mineral Ores</li> <li>• Mining Industries</li> <li>• Naval Vessels</li> <li>• Pulp &amp; Paper</li> <li>• Power Plants</li> <li>• Pharmaceuticals</li> <li>• Railways</li> <li>• Roadways</li> <li>• Tea Estates</li> <li>• Transmission &amp; Distribution</li> </ul>
(c)	Energy audit electrical utility system (list sectors)	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Chemicals Inorganic</li> <li>• Chemicals Organic</li> <li>• Cement</li> <li>• Chloralkali</li> <li>• Dyes</li> <li>• Engineering</li> <li>• Frabraction</li> <li>• Glass, Ceramic &amp; Tiles</li> <li>• Iron &amp; Steel</li> <li>• Fertilizers</li> <li>• Jute</li> <li>• Lamination</li> <li>• Mining</li> </ul>



		<ul style="list-style-type: none"> <li>• Naval Vessels</li> <li>• Pulp &amp; Paper</li> <li>• Power Plants</li> <li>• Pharma</li> <li>• Railways</li> <li>• Roadways</li> <li>• Buildings (Hospitals, Hotels, Malls, Schools, Tourist Offices)</li> <li>• Transmission &amp; Distribution</li> </ul>
23	Instruments available	<ul style="list-style-type: none"> <li>• Power Analyser</li> <li>• Lux Meter</li> <li>• Strobo Scobe</li> <li>• I R Thermo Gun</li> <li>• Flue Gas Analyser with Probe</li> <li>• Manometer and Pitot Tube</li> <li>• Anemo Meter</li> <li>• Hygro Scope</li> <li>• Ultra Sonic Water Flow Meter with Transducers</li> <li>• K-Type Thermometer and Thermo couple</li> </ul>
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> <li>• Power Analyser</li> <li>• Lux Meter</li> <li>• Strobo Scobe</li> </ul>
	(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> <li>• I R Thermo Gun</li> <li>• Flue Gas Analyser with Probe</li> <li>• Pitot Tube and Digital Manometer</li> <li>• Anemometer</li> <li>• Hygroscope</li> <li>• Ultra Sonic Water Flow Meter with Transducers</li> <li>• K-Type Thermometer and Thermo couple</li> </ul>
24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	<p>Regional Workshops on “Efficient Operation and Maintenance of Boilers” in Hyderabad, Tirupathi, Visakhapatnam, Vijayawada, Rajahmundry.</p> <p>Preparatory Training Course for Candidates appearing in 12<sup>th</sup> BEE National Certification Examination for Energy Auditors and Energy Managers.</p> <p>Preparatory Training Course for Candidates appearing in 13<sup>th</sup> BEE National Certification Examination for Energy Auditors and Energy Managers.</p>

		<p>Preparatory Training Course for Candidates appearing in 14<sup>th</sup> BEE National Certification Examination for Energy Auditors and Energy Managers.</p> <p>Preparatory Training Course for Candidates appearing in 15<sup>th</sup> BEE National Certification Examination for Energy Auditors and Energy Managers.</p> <p>NREDCAP sponsored Workshop on Energy Conservation for various stake holders like Building Maintenance Managers, People working in Process Industries, College students etc.</p> <p>Training program on Energy Conservation and Auditing for the Singareni Coal Collieries Ltd. Kothagudem</p> <p>Training Program on Energy Conservation for Indian Maritime University, Visakhapatnam</p> <p>Workshop on Best Practices in GHG Emission Assessment and Reduction in Cement Industries.</p>	
(ii)			
(iii)			

<b>D</b>	<b>Remarks( if any)</b>
1.	Achieved National 1 <sup>st</sup> Rank in Energy Auditor Category in the 13 <sup>th</sup> BEE's National Certification Exam for Energy Auditor and Energy Managers.
2.	Sent by BEE to Japan to participate in 40 days Country Focused Training Program on "Energy Conservation Techniques for India" during 25 June'13 to 04 Aug'13.
3.	Attended and Passed the Energy Management Systems (EnMS) Auditor/Lead Auditor Course(ISO 50001:2001) organized by BSI.

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