


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

Serial Number (AEA - 0096)		As on:- 26 February, 2013	
<b>A.</b>			
1	Name of accredited energy auditor	ANIL MOHINDRU	 Photograph of the energy auditor
2	Father's name	Late Sh. B.D Mohindru	
3	Date of certification as Energy Manager	Qualify in all the four theory papers on <b>31<sup>st</sup> Aug'2004</b> for the examination held on 22 & 23 <sup>rd</sup> May'2004 and issued the provisional certificate of Energy Auditor & Energy Manager on 2 <sup>nd</sup> Nov. '2006	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	<b>31<sup>st</sup> Aug'2004</b> (examination held on 23 <sup>rd</sup> May'2004)	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	<b>EA-1198</b> (Certified Energy Auditor)	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	1273 (Provisional certificate issued by NPC) ----DO---	
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>National Institute of secondary steel technology, Mandi Gobindgarh (Pb.)</b>	

9	Date of accreditation as accredited energy auditor	( to be filled by BEE)
10	Type of firm/ private/ Government / NGO etc.	Government (Established by Ministry of Steel as autonomous body & registered as society)
11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address ( All details compulsory)	R.K Bagchi, Director National Institute of secondary steel technology, P.B No. 92, G.T Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib (Punjab) -147301 Ph. 01765-258080, Mobile-9872011194, Fax-01765-258079, Email: <a href="mailto:info@nisst.org">info@nisst.org</a> , <a href="mailto:nisst@dataone.in">nisst@dataone.in</a> , <a href="mailto:bagchi2002@yahoo.co.in">bagchi2002@yahoo.co.in</a> ,
12	Professional postal address with Pin Code of the accredited energy auditor	Anil Mohindru, Dy. Director (E) National Institute of secondary steel technology, P.B No. 92, G.T Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib (Punjab) -147301
13	E-mail address	anil_mohindru@rediffmail.com, info@nisst.org, <a href="mailto:nisst@dataone.in">nisst@dataone.in</a>
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(R) 0172-2564568 (O) 01765-259532 Mobile No. – 9815904568
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	1987
16	Year of commencement of energy audit of the firm	1991
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	ISO 9001:2008 Certification
18	No. of branch offices  (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	<b>Two</b> <b>1)</b> Mr. Vishva Bandhu Sr. Dy. Director (I.S) NISST, MHADA Complex, First Floor, Amravati Road, Nagpur-440010, Tel.:0712-2550685, Fax:0712-2527488, Email:nisst_ngp@rediffmail.com <b>2)</b> Mr. Pingal Kumar Das Deputy Director (S.A), NISST, A-34, Bengal Engineering & Science University Campus, Shibpur, Howrah (W.B), Tele: 033-26687259 Telefax: 033-26685303 <b>Email :</b> <a href="mailto:pingalnisst@rediffmail.com">pingalnisst@rediffmail.com</a>

C	Details of Associated Energy Experts	
19	Number of resource persons available	Ten
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p data-bbox="802 344 1451 411">Out of ten, three are certified energy auditors including the applicant</p> <p data-bbox="802 436 1451 653"><b>Mr. R.K Bagchi</b>  <b>Designation :</b> Director/NISST  <b>Qualification :</b> B. Sc. (Met. Engg.), M. Tech (Met.), Dip. In Mgt., Doing Ph.D.  <b>Experience :</b> 25 Years in the fields of Training, consultancy, energy audits, R&amp;D, Ferrous metallurgy, Steelmaking, Refractory, heat treatment, foundry &amp; testing etc.</p> <p data-bbox="802 678 1451 856"><b>Dr. R.Srivastava</b>  <b>Designation :</b> Sr. Dy. Director(E&amp;PC)/NISST  <b>Qualification :</b> M. Sc. (Chem.), Ph.D.  <b>Experience :</b> 25 Years in the fields of Training, consultancy, energy audits, Reheating furnace design, Pollution control, chemical testing of steel etc.</p> <p data-bbox="802 882 1451 1098"><b>Mr. Vishav Bandhu</b>  <b>Designation :</b> Sr. Dy. Director (I.S)/NISST  <b>Qualification :</b> M. Sc. (Chem.), M Tech (Met.), <i>Certified Energy Manager &amp; Certified Energy auditor from B.E.E.</i>  <b>Experience :</b> 24 Years in the fields of Training, consultancy, energy audits, Rolling Mills and reheating furnaces, steel making and heat treatment etc.</p> <p data-bbox="802 1123 1451 1367"><b>Mr. Debasish Chatterjee</b>  <b>Designation :</b> Dy. Director (T)/NISST  <b>Qualification :</b> B E (Met. Engg.),  <b>Experience :</b> 24 Years in the fields of steel making, Training and Mechanical testing of steel, Presently working as Resident Mission manager (East) of NISST under UNDP/GEF Project (steel) on energy efficiency improvement in SRRM Sector</p> <p data-bbox="802 1392 1451 1730"><b>Mr. S.P Singh</b>  <b>Designation :</b> Manager (T)/NISST  <b>Qualification :</b> B E (Met. Engg.), M E (Inds. Materials &amp; Metallurgy), PG Dip. in Indl. Pollution Mgt., <i>Certified Energy Manager &amp; Certified Energy auditor from B.E.E.</i>  <b>Experience :</b> 20 Years in the fields of <b>Energy audits</b>, Rolling Mills and reheating furnaces, consultancy, Training and Mechanical testing of steel, Presently working as Resident Mission manager (North-1) of NISST under UNDP/GEF Project (steel) on energy efficiency improvement in SRRM Sector</p> <p data-bbox="802 1755 1451 1875"><b>Mr. Paramjeet Singh</b>  <b>Designation :</b> Manager (T)/NISST  <b>Qualification :</b> B E (Met. Engg.), appearing in the B.E.E exams of Certified Energy auditor.</p>

		<p><b>Experience</b> : 16 Years in the fields of Training, consultancy, energy audits, Rolling Mills and reheating furnaces etc. Presently working as Resident Mission manager (Central) of NISST under UNDP/GEF Project (steel) on energy efficiency improvement in SRRM Sector</p> <p><b>Mr. B K Batish</b>  <b>Designation</b> : Sr. O.S (E&amp;PC)/NISST  <b>Qualification</b> : M Sc (Environmental Tech. &amp; Mgt.), PG Diploma in Environmental Consultancy Services (3yrs.)  <b>Experience</b> : 20 Years in the fields of Training, consultancy, energy audits and reheating furnaces etc.</p> <p><b>Mr. Praveen Kumar</b>  <b>Designation</b> : Sr. O.S (Mech)/NISST  <b>Qualification</b> : Dip. in Mech. Engg., Dip. in Civil Engg.  <b>Experience</b> : 15 Years in the fields of Training, energy audits and Mechanical testing etc.</p> <p><b>Mr. Kuldeep Singh</b>  <b>Designation</b> : O.S (Elec)/NISST  <b>Qualification</b> : National Trade Certificate (Electrician), Craft Instructor in Electrician  <b>Experience</b> : 12 Years in the fields of Training, energy audits, Maintenance and Electrical testing etc.</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.	Nil
21	Sectors in which the energy auditor has conducted energy audits since inception	Iron & Steel, Government & Commercial buildings, Process inds. (Milk plant), Plywood inds, Rice Sheller
22	Subject wise expertise	
(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)	Iron & Steel (Reheating furnaces in Re-Rolling mills)
(c)	Energy audit electrical utility system (list sectors)	Iron & Steel, Government & Commercial buildings, Process inds. (Milk plant) Plywood inds, Rice Sheller

23	Instruments available		
	(a) Electrical (list the name of the instruments)	<ol style="list-style-type: none"> <li>1) Electrical Power Analyzer Model 3169 HIOKI, Japan</li> <li>2) Electrical Power Analyzer Model 3166 HIOKI, Japan</li> <li>3) Electrical Power Analyzer Model 6310 Kyoritsu, Japan</li> <li>4) Digital clamp meter 1000A, HIOKI, Japan</li> <li>5) Digital Lux Meter</li> <li>6) Digital Power Analyzer, Electron devices</li> <li>7) Power capacitor check meter</li> <li>8) Digital power clamp meter</li> <li>9) Analog tong tester 1000A</li> <li>10) Power factor meter -2nos. etc.</li> </ol>	
	(b) Thermal (list the name of the instruments)	<ol style="list-style-type: none"> <li>1) Flue gas analyzer, Testo Germany</li> <li>2) Digital Temp. meter (non contact type), Testo Germany</li> <li>3) Digital Temp. meter (contact type), Testo Germany</li> <li>4) Flue gas analyser Indus Make</li> <li>5) Flue gas analyser Maester-1500 (UK) - 3 Nos.</li> <li>6) Optical pyrometer</li> <li>7) Radiation pyrometer - 2 Nos.</li> <li>8) Orstat Gas analyser -2 Nos.</li> <li>9) Digital temp. indicators -3 Nos.</li> <li>10) Pressure gauges etc.</li> </ol>	
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit		
	<p>⇒ <b>Conducted a Five days training programme under UNDP/GEF Project (steel) for “Energy cum Investment Manager” on Energy efficiency improvement in SRRM sector from 27<sup>th</sup> Feb’2012 to 2<sup>nd</sup> March’2012 as Coordinator and Faculty.</b></p> <p>⇒ Presented/published a Paper/Case studies “Energy efficiency improvement in SME’s of Steel during conference-cum-exhibition on “Energy conservation in SME’s-From Grey to Green Energy” organised by PHDCCI at Chandigarh during sept’2011.</p> <p>⇒ An awareness workshop was organized by NISST for USAID ECO-III Project on 21<sup>st</sup> January, 2008 at Khanna ([Pb). Four papers on “Energy efficient technologies in re-rolling mills” were presented by NISST in the Workshop.</p> <p>⇒ The Seminars on Awareness Programme on Energy Efficiency Measures &amp; Emission Reduction Potential in secondary steel sector has been organized at Kolkata on 1.2.08</p> <p>⇒ Organised one day Seminar on Energy, Environment and CDM for secondary steel sector at Raipur on 8.3.08 in association with M/s DSCL Energy Services.</p> <p>⇒ A Seminar on Energy &amp; Environment issues – SMEs in Steel Sector was organized at Kolkata on 26<sup>th</sup> September, 2008. About 75 participants from the industry attended the Seminar.</p> <p>⇒ An Awareness program on “Energy Efficiency measures and emission reduction potential in secondary steel sector” was organised at Jamshedpur On 12-09-2009 in Association with Joint Plant Committee, MOS.</p> <p>⇒ A Seminar has been organized on “Technology Improvement for Energy Efficiency in Re-rolling Mills” on 15<sup>th</sup> December, 2009 at Mandi Gobindgarh. . More than 100 participants attended the programme.</p> <p>⇒ A two days in-house training programme for foundry personnel has been conducted at HMT, Pinjore. About 25 participants attended the programme. Recommendations have been sent for future courses.</p> <p>⇒ A Seminar has been organized on “Challenges and Opportunities: Energy Saving, Environment</p>		

	<p>Control and Value Addition Options in SMEs of steel sector” on 29<sup>th</sup> January, 2010 at Hotel Sabari Inn, T-Nagar, Chennai in association with Madras Steel Re-rollers Association.</p> <p>⇒ A comprehensive training programme of 15 days has been conducted at Mandi Gobindgarh for three directors of M/s Agni Steels Pvt. Ltd., Erode. Areas covered were Basic Ferrous metallurgy, steelmaking, quality control, rolling technology combustion &amp; energy conservation, electrical principles and environment.</p> <p>⇒ A two days in-house training programme on Heat &amp; Mass Balance in Sponge Iron making was conducted on 27<sup>th</sup> and 28<sup>th</sup> April, 2010.</p> <p>⇒ Two days in-house training programme at M/s JSPL, Raigarh: A two days training programme on ‘Reheating Furnace &amp; Rolling Mills’ was conducted in the unit.</p> <p>⇒ An industry oriented four months Training course on “Electrical Basics and Maintenance of Electrical Equipments” has been conducted from June, 2010 to Oct.’2010 at Mandi Gobindgarh.</p> <p>⇒ A 6 month course on Reheating furnace was started in July’2010 at Mandi Gobindgarh.</p> <p>⇒ A Seminar on “Energy Efficiency in reheating furnace” sponsored by AISRA has been organized on 10<sup>th</sup> November, 2010 at Mandi Gobindgarh. It was attended by more than 100 local entrepreneurs.</p> <p>⇒ Presented a paper on “Energy efficiency improvement in SME’s of steel Industry” during the National Conference on ‘Improving Energy Efficiency in Indian Secondary Steel Sector Including Steel Re-Rolling’ held at New Delhi on 07-12-10 organized by FICCI/UNDP/MOS.</p> <p>⇒ Presented a paper on “Energy Efficiency Improvement in SME’s of Steel Industry” during the conference on Energy conservation in various sectors of the economy held at CII Chandigarh on 18th January, 2011 organized by PEDA</p>
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<b>D</b>	<b>Remarks( if any)</b>
	<ul style="list-style-type: none"> <li>● Attended one month training programme on “Energy conservation techniques for India” organized by JICA at Japan from 22<sup>nd</sup> August to 25<sup>th</sup> Sept’2010.</li> <li>● Recently carried out energy audits of four Re-Rolling Mills under UNDP/GEF Project (Steel) and also carried out base line study of two units under this project. (The updated list of energy audits carried out is enclosed)</li> <li>● Presented papers in the workshops organized by PEDA/BEE etc.</li> </ul>

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