


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

Serial Number (AEA- 0022)		As on :- 26 February, 2013	
A.			
1	Name of accredited energy auditor	Sandeep Pal Singh	 <p style="text-align: center;">Photograph of the energy auditor</p>
2	Father's name	Sh. Prem Singh	
3	Date of certification as Energy Manager	6 th April' 2005	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	31 st Aug'2004 for the examination held on 22 nd & 23 rd May'2004	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-1199 (Certified Energy Auditor)	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-1199	
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	National Institute of Secondary Steel Technology	
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 -147301 Distt. Fatehgarh Sahib (Punjab) Ph. 01765-258080, Mobile-9872011194, Fax-01765-258079, Email: info@nisst.org, nisst@dataone.in , bagchi2002@yahoo.co.in,
12	Professional postal address with Pin Code of the accredited energy auditor	National Institute of secondary steel technology, P.B No. 92, G.T Road, Mandi Gobindgarh-147301 Distt. Fatehgarh Sahib (Punjab)
13	E-mail address	spsinghweb@yahoo.co.uk, info@nisst.org, nisst@dataone.in
14	Telephone numbers . with STD Code (R) (O) Mobile no:	(R) 01762-225975 (O) 01765-500552 Mobile No. - 9815829399
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)	Two 1) Mr. Vishva Bandhu Dy. Director (I.S) NISST, MHADA Complex, First Floor, Amravati Road, Nagpur-440010, Tel.:0712-2550685, Fax:0712-2527488, Email:nisst_ngp@rediffmail.com 2) 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

C	Details of Associated Energy Experts	
19	Number of resource persons available	Eleven
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	<p>Four</p> <p>i) Dr Rishi Srivastava, Sr Dy Director (E&PC) PhD from IIT, Delhi Experience:</p> <ul style="list-style-type: none"> • Worked in Pollution monitoring in IIT, Delhi-1984-1988 • Worked in Pollution monitoring and Reheating Furnace studies, Energy Audits, consultancy projects, Reheating Furnace Designing in NISST-1988-till date • Worked as Expert Consultant (Combustion) in UNDP_GEF project (Steel) on energy efficiency improvement in Re-rolling sector-2005 <p>Sectors Covered: Rolling Mills, Forging Industries, Boilers etc</p> <p>ii) Anil Mohindru, Dy Director (E) B.E (Electrical), M.B.A, Certified Energy Auditor Experience:</p> <ul style="list-style-type: none"> • Worked with M/s S.R Forging Ltd., Barotiwala (H.P) as Electrical Engineer-1989-1990 • Worked with DCM Engineering Products, Ropar in Plant Engg. Department (as Sr.Executive) - 1990-1997 • Working as energy auditors, Electrical engineer, consultancy, safety inspection studies, MR for ISO:9001 in NISST-1997-till date <p>Sectors Covered: Rolling Mills, Induction Furnace Units, Process Industries, Commercial Buildings, Rice shellers etc.</p> <p>iii) R K Bagchi, Director ME (Metallurgy) Experience: (23 Years)/ Ferrous metallurgy, Steelmaking, refractories, heat treatment, foundry, Energy audits. Sector Covered: Induction Furnaces, Rolling Mills, foundry, Electric Arc Furnaces</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 industries (Milk plant), Plywood industries, Rice Shellers	
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)	1)Electrical Power Analyzer 3166 HIOKI, Japan 2)Digital Lux Meter 3)Digital Power Analyzer, Electron devices 4)Power capacitor check meter 5)Digital power clamp meter 6)Analog tong tester 1000A 7) Power factor meter -2nos. etc. (Detailed list enclosed)	
	(b) Thermal (list the name of the instruments)	1) Flue gas analyzer Maester-1500 (UK) - 3 Nos. 2)Optical pyrometer 3)Radiation pyrometer 4) Orstat Gas analyser -2 nos. 5) Digital temp. indicators -3 nos. 6) Pressure gauges etc. (Detailed list enclosed)	
24 (i)	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	List enclosed at Annexure-1	

(ii)			
(iii)			

D	Remarks(if any)		

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

Details of Training Programme/seminars/workshops conducted during last 3 years

- 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.
- A Seminar has been organized on “Technology Improvement for Energy Efficiency in Re-rolling Mills” on 15th December, 2009 at Mandi Gobindgarh. . More than 100 participants attended the programme.
- 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.
- A Seminar has been organized on “Challenges and Opportunities: Energy Saving, Environment Control and Value Addition Options in SMEs of steel sector” on 29th January, 2010 at Hotel Sabari Inn, T-Nagar, Chennai in association with Madras Steel Re-rollers Association.
- 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 & energy conservation, electrical principles and environment.
- A two days in-house training programme on Heat & Mass Balance in Sponge Iron making was conducted on 27th and 28th April, 2010.
- Two days in-house training programme at M/s JSPL, Raigarh: A two days training programme on ‘Reheating Furnace & Rolling Mills’ was conducted in the unit.
- 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.
- A 6 month course on Reheating furnace was started in July’2010 at Mandi Gobindgarh.
- A Seminar on “Energy Efficiency in reheating furnace” sponsored by AISRA has been organized on 10th November, 2010 at Mandi Gobindgarh. It was attended by more than 100 local entrepreneurs.
- A 3-day in-house training programme on Ferrous Metallurgy, Steelmaking and Quality Control, Reheating furnace – design, construction and operation & Rolling Mill equipments, operation and Energy Audit has been conducted at M/s.Viki Industries, Chennai in March, 2011.

- A 6 month course on Reheating furnace was started in July'2011 at Mandi Gobindgarh.
- Five days Energy cum Investment Managers Training Programme on Energy Efficiency in Rolling Mill for Steel Re-rolling Sector under UNDP GEF Project has been conducted at Mandi Gobindgarh from 27th February to 2nd March, 2012.
- A Seminar on Energy, Quality and Furnace Operation has been organized at Chennai on 19th March, 2012 in association with Madras Steel Re-rollers Association.