

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

Serial Number (AEA- 0245)		As on:- 19/10/2015
A.		
1	Name of accredited Energy Auditor	Sanjay Tyagi
2	Father's name	Shri R.L. Tyagi
3	Date of Certification as Energy Manager	7 th Feb 2013
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	April 2006
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA 1346
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	2348
7	Date of Issue of accreditation certificate	
B	Information in respect of trade name or firms' name	
8	Trade Name / Firms name under which energy audit is proposed to be conducted	Central Pulp and Paper Research Institute
9	Date of accreditation as accredited energy auditor	
10	Type of firm / Private / Government / NGO etc.	Government
11	Name of contact person along with	Dr. (Ms.) Vimlesh Bist



	designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Director, (Officiating) Central Pulp and Paper Research Institute , Saharanpur 0132-2714050, 0132-2714052 (Fax) Email:- director. cppri@gmail.com
12	Professional postal address with PIN Code of the accredited energy auditor	Central Pulp and Paper Research Institute Paper Mill Road, Saharanpur - 247001
13	E- mail address	styagi.cppri@gmail.com
14	Telephone numbers with STD Codes (R) (O) Mobile Number	0132-2714059 (Ext-231) 9412479054
15	Year of establishment of the trade name / firms name of undertaking the energy audit	1982
16	Year of commencement of energy audit of the firm	1992
17	Whether any certificate to support the excellence in the system, has been obtained (ISO etc)	No
18	No. of Branch Offices (List of Complete addresses including heads of all branch offices with telephone , fax and email addresses)	Central Pulp and Paper Research Institute Post Box 174, Paper Mill Road, Himmat Nagar , Saharanpur 247001 (UP), India Base Office :- F-12 , 1 st Floor, Jangpura Extension, New Delhi – 110014
C	Details of Associated Energy Experts	
19	Number of Resource Persons	23 (Scientists of CPPRI as process expert)
	I. Number of Full time energy auditors in position with work experience of all energy auditors associated with the firm.	3 Dr. B.P. Thapliyal, Energy Auditor Address :- Central Pulp and Paper Research Institute, Paper Mill Road, Himmat Nagar , Saharanpur 247001 (UP), India <ul style="list-style-type: none">- Over a period of 25 years, worked on various R&D projects, consultancy assignments and provided expert services to Govt. agencies and pulp and paper industries. One patent filed two under process.- Have been instrumental as a sector expert for development of policies concerned with energy and environmental technology development strategies.- Successful completed various projects sponsored by UNDP, GIZ, BEE- Ministry of Power and Paper Industry.- Published 35 research articles in International and National Journals, presented 38research findings in

various International and National conferences and prepared more than 50 technical reports/ energy audit reports and training manuals.

- As an energy expert conducted about 50 energy audits and consultancy assignments in pulp and paper industry for resource conservation and product development.
- Carried out various prefeasibility and techno-economic studies for paper industries.

Shri Alok Kumar Goel, Energy Manager

Address :- Central Pulp and Paper Research Institute,
Paper Mill Road, Himmat Nagar , Saharanpur 247001
(UP), India

- Conducted energy audit/base line energy audit of more than 40 pulp & paper mills
- Assists to BEE in implementation of PAT scheme in Pulp & Paper sector
- Dissemination of energy conservation technique to paper industry personnel's through training programmes
- Attended three days workshop at Tokyo, Japan on India – Japan workshop for promotion of energy efficiency and conservation capacity building under PAT organized by ECCJ, Japan from 21 – 23 January 2013
- As a sector expert attended the workshop for designated consumers satisfying under PAT scheme in Ahmedabad organized by PCRA and GEDA, March 2013.
- Attended 2 days training programme on energy conservation for India organized by ECCJ and PCRA, Yokohama, Japan 9 – 19 Sept. 2009

Shri N.K. Naik , Technical Officer B

Address :- Central Pulp and Paper Research Institute
Paper Mill Road, Himmat Nagar , Saharanpur 247001
(UP), India

- Conducted energy audit/base line energy audit of more than 50 pulp & paper mills
- Assists to BEE in implementation of PAT scheme in Pulp & Paper sector
- Dissemination of energy conservation technique to paper industry personnel's through training programmes

		<ul style="list-style-type: none"> - Attended three days workshop at Tokyo, Japan on India – Japan workshop for promotion of energy efficiency and conservation capacity building under PAT organized by ECCJ, Japan from 21 – 23 January 2013
	II. No. of part time energy auditors in position during the current year/ previous year associated with the energy auditor / energy auditors firms	<ul style="list-style-type: none"> - Conducted Energy audit jointly with PCRA/NCCBM/ FICCI in various mills - Part time energy auditor employed for audits PCRA – 3 FICCI- 2 NCCBM - 3
21	Sectors in which the energy auditor has conducted energy audits since inception	<ul style="list-style-type: none"> - Pulp and Paper - Cement - Sugar Industry
22	Subject wise expertise	<ul style="list-style-type: none"> - Pulp and Paper - Cement - Sugar Industry
(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	Pulp and Paper
(b)	Energy audit thermal utility system (list sectors)	<ul style="list-style-type: none"> - Pulp and paper - Sugar Industry
(c)	Energy Audit electrical utility system (list sectors)	<ul style="list-style-type: none"> - Pulp and paper - Cement
23	Instruments Available	
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> - Power analyzer Cry Card ALM - 30 - Fluke Thermal Imager IR Flex Cam - Lux Meter - Motor top (Vogelsang & Benning) - Digital Power line MECO
	(b) Thermal (List the name of the instruments)	<ul style="list-style-type: none"> - Hydra Sx 30 DFD Flow meter - Porta Flow 300 (Micromar Ltd) - Pressure meter - Flue Gas Analyser- Quintox - Non Contact Thermometer

		<ul style="list-style-type: none"> - Thickness Guage - Thermo polysonic 		
24 (I)	Details of training program/ seminars workshops conducted during the last three years in the field of Energy efficiency / energy audit	<ul style="list-style-type: none"> - Organized life long learning (3L) Programme on Perform Achieve & Trade (PAT) – working for Pulp & Paper Sector at CPPRI Saharanpur on 17th Feb. 2011. - Organized and presented paper in workshop on “Solar Initiatives in pulp and paper industry” organized by GIZ, New Delhi, January 2012. - Organized the Cess workshop at New Delhi in the month of August, 2011-12 - Organized the Cess Training Program on “Energy Management- Issues and Challenges” at TNPL, Kagithapuram (Tamil Nadu) - Organized the Cess workshop at Chandigarh , 2013 - Organized training programme for supervisors/Sr. operators in the area of energy conservation under UNIDO- FICCI joint business partnership programme, Oct 2005 at Kashipur, Uttranchal. - Organized training of trainers (TOT) in the area of energy conservation under UNIDO- FICCI joint business partnership programme, Sept 2005 at CPPRI, Saharanpur. 		
(II)		<table border="1"> <tr> <td>Advance training in area of Energy Conservation in Foreign Research Institute</td> <td>One month country focused training course in energy Conservation Techniques for India at Kitakyushy International Techno- cooperative association organized by Japan International Cooperation agency (JICA) under the International Cooperation Programme of Govt. of Japan (Aug. 24, 2009 to Sept, 18, 2009).</td> </tr> </table>	Advance training in area of Energy Conservation in Foreign Research Institute	One month country focused training course in energy Conservation Techniques for India at Kitakyushy International Techno- cooperative association organized by Japan International Cooperation agency (JICA) under the International Cooperation Programme of Govt. of Japan (Aug. 24, 2009 to Sept, 18, 2009).
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(III)		<table border="1"> <tr> <td>Faculty Member</td> <td> <ul style="list-style-type: none"> - Teaching B.Tech Students of (Pulp & Paper Tech.) at Dept. of Paper Technology , IIT Roorkee , (Saharanpur Campus) - Teaching M.Sc. Students of (Cellulose paper Technology), </td> </tr> </table>	Faculty Member	<ul style="list-style-type: none"> - Teaching B.Tech Students of (Pulp & Paper Tech.) at Dept. of Paper Technology , IIT Roorkee , (Saharanpur Campus) - Teaching M.Sc. Students of (Cellulose paper Technology),
Faculty Member	<ul style="list-style-type: none"> - Teaching B.Tech Students of (Pulp & Paper Tech.) at Dept. of Paper Technology , IIT Roorkee , (Saharanpur Campus) - Teaching M.Sc. Students of (Cellulose paper Technology), 			

			from ICFRE, Deemed University , Dehradun (2 nd Year of the M.Sc. Course is held in CPPRI, Saharanpur.)
(IV)		Ph.D / M.Tech Supervisor	<ul style="list-style-type: none"> - Supervisor of Ph.D students of ICFRE , Deemed University , Dehradun and HNB Garhwal University , Sringer 2 Nos. (Continuing) - 2 M. Tech (Pulp and Paper) students of IIT, Roorkee , in Deptt of paper Technology (DPT) Saharanpur Campus successfully completed M. Tech Dissertation. - 2 B.Tech (Pulp and Paper) Students- Project Completed.

D	Remarks (if any)

I hereby state that information furnished above is true and correct to the best of my knowledge.

Place: Saharanpur

Signature

Dated: 29th June 2015.

Name : Dr. Sanjay Tyagi

Designation: Scientist C

For and on behalf of

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