


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

| Serial Number (AEA - 0070) | | As on :- 26 February, 2013 | |
|---|--|---|---|
| A. | | | |
| 1 | Name of accredited energy auditor | Madan Mohan Chawla |  <p style="text-align: center;">Photograph of the energy auditor</p> |
| 2 | Father's name | Sh. Ram Piara Chawla | |
| 3 | Date of certification as Energy Auditor | 2 nd Nov'06 | |
| 4 | Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems" | Exam Date 23 rd May'04 Result dt. 31 st Aug'04 | |
| 5 | Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems" | EA- 0611 | |
| 6 | Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems" | | |
| 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 | NTPC Ltd. | |
| 9 | Date of accreditation as accredited energy auditor | (to be filled by BEE) | |
| 10 | Type of firm/ private/ Government / NGO etc. | Government (Central PSU) | |

| | | |
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| 11 | Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory) | Sh. Lalji Agrawal, AGM (CEETEM), NTPC Ltd., Engineering Office Complex (EOC), Sector-24, NOIDA-201301, (U.P.) Ph. 0120-2410527 (off), 09650992703 (Mob) Fax : 0120-2410357 laljiagrawal@ntpc.co.in |
| 12 | Professional postal address with Pin Code of the accredited energy auditor | M.M. Chawla Manager(CEETEM), NTPC Ltd., EOC, Sector-24, NOIDA-201301 (U.P.) |
| 13 | E-mail address | mmchawla@ntpceoc.co.in |
| 14 | Telephone numbers . with STD Code (R) (O) Mobile no: | 011- 22446925 (R) 0120- 3316767 (O) 09650992416 (Mob) |
| 15 | Year of establishment of the trade name / firms' name for undertaking the energy audit | 1975 |
| 16 | Year of commencement of energy audit of the firm | 1998 |
| 17 | Whether any certificate to support the excellence in the system has been obtained (ISO etc.) | ISO 9001 : 2008 |
| 18 | No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses) | Nil |
| C | Details of Associated Energy Experts | |
| 19 | Number of resource persons available | |
| 20 | I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm | 1. Sanjay Verma- 20 yrs O&M experience in power plants and 7 yrs in energy audits of thermal power stations. He is Certified Energy Auditor (EA-1272) and had participated in more than 30 energy audits in TPS. sanjayverma@ntpc.co.in 2.S.K. Tyagi- 15 yrs experience in Combined cycle Gas power |

| | | <p>stations and 6 yrs in energy audits of thermal power stations. He is Certified Energy Auditor (EA-1092) and had participated in more than 20 energy audits in TPS. sktyagi@ntpceoc.co.in</p> <p>3. Samir Sharma - 8 yrs O&M experience in coal based power plant and 6 yrs in energy audits of thermal power stations. He is Certified Energy Auditor (EA-1878) and had participated in more than 25 energy audits in TPS. samirsharma@ntpceoc.co.in</p> <p>4. Harish Kumar – Total 24 yrs of experience in coal based power plants including 7 years in energy auditing. He is a Certified Energy Auditor (EA- 3531) and has conducted more than 25 energy audits in thermal power stations. Harishkumar01@ntpc.co.in</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> | <table border="1"> <thead> <tr> <th>S.No</th> <th>Name</th> <th>CEA-No</th> <th>Email</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Pradeep Jain</td> <td>EA-10304</td> <td>jain98@ntpceoc.co.in</td> </tr> <tr> <td>2</td> <td>Dipak Sarkar</td> <td>EA-0986</td> <td>sarkar_dipak@yahoo.com</td> </tr> <tr> <td>3</td> <td>B.L Yadav</td> <td>EA 8693</td> <td>blyadav@ntpc.co.in</td> </tr> <tr> <td>4</td> <td>Harish Kumar</td> <td>EA-9927</td> <td>hkumar@ntpceoc.co.in</td> </tr> <tr> <td>5</td> <td>Sanjay Kumar</td> <td>EA-9981</td> <td>sanjaykumar02@ntpc.co.in</td> </tr> <tr> <td>6</td> <td>S. Mallikarjuna</td> <td>EA-13248</td> <td>smallikarjun@ntpc.co.in</td> </tr> <tr> <td>7</td> <td>Y.K.Sharma</td> <td>EA-7436</td> <td>yksharma@ntpceoc.co.in</td> </tr> <tr> <td>8</td> <td>S K Singhal</td> <td>EA-9301</td> <td>sanjaysinghal@ntpc.co.in</td> </tr> <tr> <td>9</td> <td>M.K. Malviya</td> <td>EA-2182</td> <td>manishkumarmalviya@ntpc.co.in</td> </tr> <tr> <td>10</td> <td>Sujay Karmakar</td> <td>EA-1042</td> <td>sujaykarmakar@ntpc.co.in</td> </tr> </tbody> </table> <p>Note : All auditors have experience of energy auditing in Thermal & Gas Power Stations.</p> | S.No | Name | CEA-No | Email | 1 | Pradeep Jain | EA-10304 | jain98@ntpceoc.co.in | 2 | Dipak Sarkar | EA-0986 | sarkar_dipak@yahoo.com | 3 | B.L Yadav | EA 8693 | blyadav@ntpc.co.in | 4 | Harish Kumar | EA-9927 | hkumar@ntpceoc.co.in | 5 | Sanjay Kumar | EA-9981 | sanjaykumar02@ntpc.co.in | 6 | S. Mallikarjuna | EA-13248 | smallikarjun@ntpc.co.in | 7 | Y.K.Sharma | EA-7436 | yksharma@ntpceoc.co.in | 8 | S K Singhal | EA-9301 | sanjaysinghal@ntpc.co.in | 9 | M.K. Malviya | EA-2182 | manishkumarmalviya@ntpc.co.in | 10 | Sujay Karmakar | EA-1042 | sujaykarmakar@ntpc.co.in |
| S.No | Name | CEA-No | Email | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Pradeep Jain | EA-10304 | jain98@ntpceoc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Dipak Sarkar | EA-0986 | sarkar_dipak@yahoo.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | B.L Yadav | EA 8693 | blyadav@ntpc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Harish Kumar | EA-9927 | hkumar@ntpceoc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Sanjay Kumar | EA-9981 | sanjaykumar02@ntpc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | S. Mallikarjuna | EA-13248 | smallikarjun@ntpc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Y.K.Sharma | EA-7436 | yksharma@ntpceoc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | S K Singhal | EA-9301 | sanjaysinghal@ntpc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | M.K. Malviya | EA-2182 | manishkumarmalviya@ntpc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Sujay Karmakar | EA-1042 | sujaykarmakar@ntpc.co.in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Sectors in which the energy auditor has conducted energy audits since inception | Power sector, Building sector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Subject wise expertise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| (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) | Power sector – Boiler, Steam Turbine, Gas Turbine, HRSG, Milling, Feed water system, HP/LP Heater, Air Pre Heaters, Condenser | |
| (c) | Energy audit electrical utility system (list sectors) | Power sector – Aux. Power Consumption, coal handling, ash handling, CW system including CT's, Pumps, Fans, Compressors, HVAC, Lighting, Thermal insulation, , Building Sector – Electrical, HVAC, Lighting | |
| 23 | Instruments available | | |
| | (a) Electrical (list the name of the instruments) | a. 3-phase Power Analyzer (2 nos.) b. Multimeter c. Tong tester d. Lux meter | |
| | (b) Thermal (list the name of the instruments) | a. Non-contact infrared gun b. Ultrasonic flowmeter c. Flue gas analyzer d. Vane type Anemometer e. Digital hygrometer f. Non-contact tachometer | |
| 24 | (i) Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit | Topic specific workshops on EC opportunities in thermal power stations (once every year) | 3 nos. |
| | (ii) | Energy Manager's Conference (once every year) | 3 nos. |
| | (iii) | 3L workshops (BEE) | 2 nos. |
| | (iv) | Training program on Energy Audit Procedures & Techniques in Thermal Power Plants (2010) | 01 no. |

| D | Remarks(if any) |
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| | |

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