

FORM IV
[See regulation 7(2)]
BUREAU OF ENERGY EFFICIENCY
Register containing names of offices and firms of accredited energy auditors

| Serial Number (AEA- 0191) | | As on:- 09/10/2014 | |
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| A. | | | |
| 1. | Name of Energy Auditor | PRADEEP DHINGRA | |
| 2. | Father's Name | Sh. N.K. Dhingra | |
| 3 | Date of certification as Energy Manager | CEA, 10 th August 2007 | |
| 4 | Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems" | April 2007 | |
| 5 | Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems" | CEA - 5927 | |
| 6 | Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems" | CEA - 5927 | |
| 7 | Date of issue of accreditation certificate | | |
| B. Information in respect of trade name or firm's name | | | |
| 8 | Trade name/ firms name under which energy audit is proposed to be conducted | PGS Energy Services | |
| 9 | Date of accreditation as accredited energy auditor | | |
| 10 | Type of firm/ private/Government/ NGO etc. | Private | |
| 11 | Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and Email address | PRADEEP DHINGRA, CEO SCO 409-410, Sector 35C, Chandigarh Ph. 0172-4605017, Fax:0172-2604460 Mob.: 098761-05017 | |
| 12 | Professional postal address with PIN Code of the accredited energy | PGS Energy Services SCO 409-410, Sector 35-C, Chandigarh-160036 | |



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|------------|---|---|
| | auditor | |
| 13 | E-mail address | info@pgsenergyservices.com pd@pgsenergyservices.com |
| 14 | Telephone numbers with STD Code (R) (O) Mobile no: | 0172-2555130 0172-4605017 098761-05017 |
| 15 | Year of establishment of the trade name/firm's name for under taking the energy audit | Year 1997 |
| 16 | Year of commencement of energy audit of the firm | Year 2000 |
| 17 | Whether any certificate to support the excellence in the system has been obtained (ISO etc.) | Empanelled with DRDO, Ministry of Defense, GOI Company is working with EATON (USA) & Schneider Electric and Geothermal International (UK) for energy conservation projects. |
| 18 | No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and Email addresses) | N/A |
| C | Details of Associated Energy Experts | |
| 19 | Number of resources persons available | 16 |
| (i) | Number of full-time energy auditors in position with work experience of all energy auditors associated with the firm | Er. Rakesh Sharma EDUCATION : 1.National Certification Examination of Certified ENERGY AUDITOR from BEE & working as Energy Consultant with M/S PGS Energy Services, Chandigarh. 2.AMIE(India) Degree in Elect. Engineering from Inst. Of Engineers, Calcutta in 1981 WORK EXPERIENCE: Total Work Experience about 29 years : Completed 10 Energy Audit and involved in use of energy in operation, Maintenance construction planning & design in differ cadres with UT Elecy Department Chandigarh Administration is as under : 1 Junior Engineer from Feb.'1979 to June 1994 2. Assistant Engineer from June 1994 to Aug.'2001 3. A/ Executive Engineer (class one Gaztd. Officer) from Aug.' 2001 to Feb.' 2008 |
| 20 (ii) | No. of part-time energy auditors in position during the current year / previous year associated with the | 1) Er. R.K.Aggarwal I graduated in electrical engineering in 1961 & joined |

firms.

Punjab State Electricity Board as assistant engineer & from there retired as Member (Power) Bhakra Beas Management in 1996. During this period of 35 years, I mostly worked in Hydro and thermal power plants with distinction.

i) I have carried out energy audit in **more than 400 industries. It includes involvement for BEE'S PAT work for iron & steel.**

ii) My contribution on draft codes on transformers, motors, refrigeration, lighting, driers, piping were adjusted very good by BEE during 2005 for which they also rewarded me.

2). Published material- One book on "Preventive maintenance, Diagnostic Tests, Over hauling, Life assessment, Refurbishment & Up rating of hydro power plants". To the best of my knowledge, this is the only exhaustive write up on this subject. One chapter of this book is posted on BEE's web site.

3) Energy audit Experience: I have conducted more than 400 energy audits from small plants to large plants throughout the country.

2) Er. Rakesh Yechoo

Key Assignments takenup in the last five years:

Besides handling more than **750 Nos** of Detailed Energy Audits (thermal & electrical) of a diverse segment of industries including designated consumers, I have also been a lead consultant for several National / State level projects in the last five years, some of them have been listed below:

- Impact Assessment Study of Energy Efficiency Measures implemented in 26 SME Clusters (13 Sectors), which involved a survey of around 1200 SME units across the Country – (study sponsored by NITCON/BEE).

Sectors

- 1) Oil Mill (Alwar & Sawai Madhopur),
- 2) Lime Stone (Jodhpur),
- 3) Steel, Forging & Galvanizing (Batala, Jalandhar, Ludhiana, Howrah, Odisha),

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| | | <p>4) Brass & Utensils (Jamnagar, Bhubaneswar & Jagadhari),</p> <p>5) Ceramic, Refractories & Bricks (Varanasi, Morbi and East & West Godawari),</p> <p>6) Dyes & Chemicals (Ahmedabad & Vapi),</p> <p>7) Textile (Pali, Sholapur & Surat),</p> <p>8) Rice Mill (Warangal, Ganjam & Vellore),</p> <p>9) Paper (Muzaffarnagar),</p> <p>10) Machine Tools (Bangalore),</p> <p>11) Tea (Jorhat),</p> <p>12) Dairy, Ice & Food Processing (Bhimavaram, Gujarat & Kochi) and</p> <p>13) Glass sector (Ferozabad)</p> <p>3) Er. Mandeep Singh CEA</p> <p>Working as Professor at Thapar University Patiala.</p> <p>Experience:</p> <p>Design and implementation of a Free Elective course on Energy Auditing & Management</p> <p>Design and development of Low Energy consuming Multiparameter probe for DRDO as principle investigator (project value Rs.4.86 lac), leading to an International Publication</p> <p>“Penetrometer for Soil and Snowpack characterization” Mandeep Singh & Mandeep Singh, Asian Journal of Chemistry Vol.21, No. 10, Supplementary Issue march 2009, pp S017-021. “Electrical Energy Conservation by Variable Speed Drive & other techniques”, Mandeep Singh, National Conference on Power Systems and Energy Management (PSEM-2003), IET Bhaddal (Ropar), May 23rd, 2003, pp 67-71</p> |
| 21 | Sectors in which the energy auditor/ energy audit firm has conducted energy audits since inspection | Textile, Paper & Pulp, Steel Rerolling plants, Punjab Bio Technology, Pharma sector, Govt. & Private Buildings, Hotel & Hospitals, Banking sector, Cement Industry, Petroleum Industry, Food Processing, Municipal Corporation(Detail list enclosed) |
| 22 | Subjects wise expertise | |
| (a) | Energy audit process system (list sectors) – If no energy has been carried out of the process system | Complete Energy Audit of process & utilities at Textile, Paper & Pulp, Pharma, Food processing Cement Industry, Petroleum Industry, Building (Govt. & |

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| | and parameters, please list nil. Bureau of Energy Efficiency will be calling for detailed information in case energy has listed its energy audit expertise in the process systems. | Private) Hotel & Hospitals, banking sector, Street lighting & Pumps at Municipal corporations (Detail list enclosed) |
| (b) | Energy audit thermal utility system (list sectors) | Boilers, Steam distribution & Utilization, Dyeing Plant |
| (c) | Energy audit electrical utility system (list Sectors) | Power distribution systems, Transformers, Lighting, Motors & Pumps, HVAC, Cooling Tower, AC's, Humidity Plant, Blower & Suction fans, Air Compressors, DG Set, |
| 23 | Instruments available | |
| | (a) Electrical (list the name of the instruments) | List enclosed in Annexures |
| | (b) Thermal (list the name of the instruments) | List enclosed in annexure |
| 24 | Details of training programme/ seminars/ workshops conducted during the last 3 Years in the field of energy efficiency / energy audit | General Secretary of SEEM-PHC and organized PEDAC Conference, |
| (ii) | | PAT Seminar at CII-Chandigarh, Attended 3L programmers from GTZ-BEE |
| (iii) | | Energy Efficiency in Schools at UT Chandigarh |
| D | Remarks (if any) | |
| | Working as Energy Professional –Textile for PAT scheme with EESL /BEE(Copy enclosed) Energy Consultant with SDA's Completion & Appreciation letter enclosed | |
| | | |

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

Place : Chandigarh

Signature:

Date :

**Name : PRADEEP DHINGRA
Designation : CEO
For M/s. PGS Energy Services
Chandigarh.**

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

