


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

Serial Number(AEA - 0121)		As on 1)	
A.			
1	Name of accredited energy auditor	Bibhu Charan Swain	
2	Father's name	Baishnab Charan Swain	
3	Date of certification as Energy Manager	18 th February 2008	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	18 th February 2008	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	Regd. No - CEA-7205	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	4747	
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	M/s. Power Tech Consultants	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
10	Type of firm/ private/ Government / NGO etc.	Partnership Firm	

11	Name of contact person along with designation, address, telephone, mobile and fax number along with STD codes and email address (All details compulsory)	Mr. Baishanab Charan Swain (Managing Director) M/s. Power Tech Consultants 1-A/6, Swati Villa, Surya Vihar, Link Road, Cuttack-753012, Odisha Phone -0671-2328844 (O), 9337277840 (M), Fax: 0671-2328384 Email- pwrтч@gmail.com
12	Professional postal address with Pin Code of the accredited energy auditor	Bibhu Charan Swain, M/s. Power Tech Consultants, 1-A/6, Swati Villa, Surya Vihar, Link Road, Cuttack-753012, Odisha
13	E-mail address	pwrтч@gmail.com , bibhusir@gmail.com
14	Telephone numbers . with STD Code (R) (O) Mobile no:	0671-2327784 (R) 0671-2328844 (O) 0671-2328384(Fax) 9437155337 (Mob)
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2009
16	Year of commencement of energy audit of the firm	2009
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	NA
18	No. of branch offices (List of complete addresses including heads of all branch offices with telephone, fax and email addresses)	NA
C	Details of Associated Energy Experts	
19	Number of resource persons available	<ol style="list-style-type: none"> 1. Mr. Baishanab Charan Swain (Managing Director) 2. Mr. R.C Mahapatra (Executive Director) 3. Mr. Basudev Mohanty (Sr. Consultant) 4. Mr. A.D. Chaudhry (Sr. Consultant) 5. Mr. K.N Padhi (Sr. Consultant) 6. Mr. Bibhu Charan Swain (Sr. Consultant)
20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	1. Mr. Basudev Mohanty EDUCATION <ul style="list-style-type: none"> • BSc. Engg. (Hons.) in Electrical Engg. from REC (NIT) Rourkela • Certified Energy Auditor

EXPERIENCE OVERVIEW

- He has retired as an Ex-Chief General Manager (Construction), GRIDCO & having 30 years of experience in power transmission & distribution system particularly in Design, Procurement, Construction, Maintenance of 400/220/132/33 KV GRID Substation & Transmission Line, and Procurement of power from generation companies.
- He is proficient in Energy Audit, Energy studies and handling techno-commercial matter of Power Plant, preparation of DPR, TEFR etc. He is also appointed as National Level Monitor (NLM) for Renewable Energy Projects by MNRE, Govt. of India and involved in Decentralized Distributed Generation through Renewable Power Project, Rural Electrification projects, Capacity Development and Biomass Assessment Study and preparation DPR for the projects.
- He is also involved in Design, procurement of materials and equipments Hydro Electric Projects and involved in Renovation & Modernization of Old Hydro Power Stations.
- He is working as Sr. Consultant in Power Tech Consultants and involved in Base Line energy Audit of 10 nos. of Thermal Power Plant, Investment Grade Energy Audit of Buildings, Detailed Energy Audit of Power Plant and Steel Plant etc.

2. Mr. Bibhu Charan Swain

EDUCATION

- **Master of Engineering (M.E.) in Computer Application in Power System & Drives, Electrical Engineering from INDIAN INSTITUTE OF SCIENCE (IISc), Bangalore.**
- **Bachelor of Engineering (B.E. - Electrical)-Institute-I.G.I.T., Utkal University, Orissa**
- **Certified Energy Auditor**

EXPERIENCE OVERVIEW

- He is having around 18 years of rich Experience in Power Project & EHT Transmission systems and has earlier worked with reputed company like Tata Chemicals Limited & Jindal Stainless Limited and he is proficient in Energy Audit, Energy studies and handling techno-commercial matter of Power Plant, preparation of DPR, TEFR, Renewable

		<p>Energy, Power Trading, Open Access, Power Purchase Agreement, Regulatory affairs and matter relating to Electricity Act, Energy Conversion Act, Ministry of Power, National Tariff Policy, National Electric Policy, Procurement of power through competitive bidding.</p> <ul style="list-style-type: none"> • He is working with M/s. Power Tech Consultants since July 2009 as Sr. Consultant and involved in Energy Audit, Renewable Energy Project, REC, RPO related assignments, Regulatory matters, Power Trading, Transmission & Distribution Systems, Preparation DPR/TEFR of power Projects(Solar, Biomass, Thermal, Biodiesel etc.) , Consultancy of power & Industrial Projects etc. • He is involved in Base Line energy Audit of 10 nos. of Thermal Power Plant, Investment Grade Energy Audit of Buildings, Detailed Energy Audit of Power Plant and Steel Plant etc.
	II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.	NA
21	Sectors in which the energy auditor/ energy audit firm has conducted energy audits since inception	Power Plant, Manufacturing Sector, Buildings etc.
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	<ul style="list-style-type: none"> • 2 X 250 MW, units 7 & 8, Panipath Thermal Power Station of M/s. Haryana Power Generation Corporation Limited, Panipath (Haryana) • 2 x 210 MW at Ib Thermal Power Station, Odisha • Ordnance Factory, Badmal, Ministry of Defence, Balangir, Odisha • 250 MW Giral Lignite Thermal Power project, Barmer, Rajasthan • 420 MW NTPC –Anta, Baran, Rajasthan • 1240 MW Kota Thermal Power Station, Kota, Rajasthan • 110.5 MW Ramgarh Combined Cycle Gas, Ramgarh, Rajasthan

		<ul style="list-style-type: none"> • 1500 MW Suratgarh Thermal Power Station, Suratgarh, Rajasthan • 2x125 MW Neyveli Lignite Corp. Limited, Bikaner, Rajasthan • 3x110 MW Dholpur CCPP, Dholpur, Rajasthan • 2x250 MW Chabra Thermal Power Plant, Baran, Rajasthan • 2x600 MW Kalisindh thermal Power Project, Jhalawar, Rajasthan • 1080 MW Rajwest Power Pvt. Limited, Barmer, Rajasthan • Hindustan Petroleum Corporation Limited (HPCL), Mumbai. • Odisha Electricity Regulatory Commission (OERC), Bhubaneswar, Odisha • SCB medical College & Hospital Building, Cuttack, Odisha • VSS Medical College & Hospital Building, Burla, Sambalpur, Odisha • Collectorate Building, Cuttack, Odisha • Board of Revenue Building, Cuttack, Odisha • Revenue Divisional Commissioner Building, Cuttack, Odisha • DG Police Head Quarter, Cuttack, Odisha • Revenue divisional Commissioner Building, Sambalpur, Odisha • OMFED, Bhubaneswar, Odisha • Collectorate Building , SHAHDOL, Madhya Pradesh • National Library, Kolkata • IDBI Building, Kolkata • UCO Bank Building, Kolkata
(b)	Energy audit thermal utility system (list sectors)	<ul style="list-style-type: none"> • 2 X 250 MW, units 7 & 8, Panipath Thermal Power Station of M/s. Haryana Power Generation Corporation Limited, Panipath (Haryana) • 2 x 210 MW at Ib Thermal Power Station, Odisha • Ordnance Factory, Badmal, Ministry of Defence, Balangir, Odisha • 250 MW Giral Lignite Thermal Power project, Barmer, Rajasthan • 420 MW NTPC –Anta, Baran, Rajasthan • 1240 MW Kota Thermal Power Station, Kota, Rajasthan • 110.5 MW Ramgarh Combined Cycle Gas, Ramgarh, Rajasthan • 1500 MW Suratgarh Thermal Power Station, Suratgarh, Rajasthan

		<ul style="list-style-type: none"> • 2x125 MW Neyveli Lignite Corp. Limited, Bikaner, Rajasthan • 3x110 MW Dholpur CCPP, Dholpur, Rajasthan • 2x250 MW Chabra Thermal Power Plant, Baran, Rajasthan • 2x600 MW Kalisindh thermal Power Project, Jhalawar, Rajasthan • 1080 MW Rajwest Power Pvt. Limited, Barmer, Rajasthan
(c)	Energy audit electrical utility system (list sectors)	<ul style="list-style-type: none"> • Hindustan Petroleum Corporation Limited (HPCL), Mumbai. • Odisha Electricity Regulatory Commission (OERC), Bhubaneswar, Odisha • SCB medical College & Hospital Building, Cuttack, Odisha • VSS Medical College & Hospital Building, Burla, Sambalpur, Odisha • Collectorate Building, Cuttack, Odisha • Board of Revenue Building, Cuttack, Odisha • Revenue Divisional Commissioner Building, Cuttack, Odisha • DG Police Head Quarter, Cuttack, Odisha • Revenue divisional Commissioner Building, Sambalpur, Odisha • OMFED, Bhubaneswar, Odisha • Collectorate Building , SHAHDOL, Madhya Pradesh • National Library, Kolkata • IDBI Building, Kolkata • UCO Bank Building, Kolkata
23	Instruments available	
	(a) Electrical (list the name of the instruments)	<ul style="list-style-type: none"> • 3Phase Power Analyser ALM 30 • Power Analyser (Model 2745) • Earth tester • Meggar • Ultrasonic Flow Meter (Model AUF610) • RTD based temperature sensor • Stroboscope • High Temperature Thermocouple based temperature Indicator
	(b) Thermal (list the name of the instruments)	<ul style="list-style-type: none"> • Flue Gas Analyser, (Model KM 5410) • Contact Thermometer • Anemometer (AVM 07)

		<ul style="list-style-type: none"> • Hygro Meter (Model KM 918), • Non Contact Thermometer (Infrared temperature monitor pointer type), (Model IRL 1000) • Digital Thermometer, (Model KM-936) • TDS Meter, Model KM 6032
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	Participated in Workshop on Adoption of Energy Efficient process technologies & practices and implementation of Energy Conservation Act 2001 in Power Sector at Reliance Infrastructure Ltd, Dahanu, Maharashtra
		Attended Life Long Learning (3L) Programme One Day Technical Workshops on Perform Achieve & Trade (PAT) Scheme on Steel Sector conducted by BEE in Bhubaneswar, Odisha.
		Attended Workshop on Energy Conservation and Demand side Management at The Institution of Engineers, Bhubaneswar
		Attended the National Workshop on Emerging Technologies in Electrical power Engineering (NWET-2012) at Silicone Institute of Technology, Bhubaneswar
		Attended Life Long Learning (3L) Programme One Day Technical Workshops on Perform Achieve & Trade (PAT) Scheme conducted by BEE at National Aluminium Company Limited (NALCO)
		Participated in 2nos. of awareness program conducted by SDA, Odisha as an energy auditor for spreading awareness on EC Act 2001 and Energy Audit.

D	Remarks(if any)

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