

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

Serial Number: AEA-259		As on Date: 02 nd November, 2017	
A.			
1	Name of accredited energy auditor	SUBRATA SANYAL	Photograph of the energy auditor
2	Father's name	MUKUL KR SANYAL	
3	Date of certification as Energy Manager	13 th May, 2011	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	February, 2011	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	EA-11719 EA-11719	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	8183 Not received	
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	S. SANYAL & ASSOCIATES	
9	Date of accreditation as accredited energy auditor	(to be filled by BEE)	
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 (All details compulsory)	SUBRATA SANYAL, Proprietor S. SANYAL & ASSOCIATES 1 st . FLOOR, SARKAR HOUSE, SISIR BHADURI SARANI, KSHUDIRAMPALLY, SILIGURI- 734001 (W.B.) 094340-53803/ 033-25224434/ 081162-63973
12	Professional postal address with Pin Code of the accredited energy auditor	SUBRATA SANYAL S. Sanyal & Associates, 1 st . Floor, Sarkar House, Sisir Bhaduri Sarani, Siliguri- 734001 (W.B.)
13	E-mail address	Subratasanyal.jal@gmail.com
14	Telephone numbers . with STD Code (R) (O) Mobile no:	033-25224434 094740-30946 094340-53803
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2011
16	Year of commencement of energy audit of the firm	2011
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)	<u>KOLKATA</u> FLAT NO- B-9/6, KALINDI HOUSING ESTATE, KOLKATA- 700089 IN_CHARGE : TAPAS BANERJEE Cell : 098311-48371 e-mail : tapas_banerjee@gmail.com
C	Details of Associated Energy Experts	
19	Number of resource persons available	THREE

20	I. Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	ONE (Total engg experience : 27 years, total experience in energy related jobs – 25 years)
	II. No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.	TWO
21	Sectors in which the energy auditor/ energy audit firm has conducted energy audits since inception	Oil exploration/ oil & gas collection/ LPG bottling plant/ hospital/ Office building/ commercial building/ plastic extrusion/ tea processing/ fertilizer/ jute/ paper/ sulphuric acid/ power distribution/ glass / engineering/ fruit processing/ cattle feed manufacturing
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	(i) Plastic extrusion (ii) Tea Processing (iii) Fertilizer (iv) Glass (v) Fruit Processing (vi) Cattle feed manufacturing
(b)	Energy audit thermal utility system (list sectors)	Nil
(c)	Energy audit electrical utility system (list sectors)	(i) Oil exploration (ii) Oil & gas collection (iii) LPG Bottling plant (iv) Commercial, office building (v) Plastic extrusion (vi) Tea processing (vii) Fertilizer (viii) Jute based industry (ix) Fruit processing (x) Power Distribution (xi) Engineering

23	Instruments available		
	(a) Electrical (list the name of the instruments)	(i) Electrical Measuring Equipments for single and three phases, (ii) Tachometer (iii) Lux Meter (iv) Vane Anaemometer (v) Manometer with pitot tube	
	(b) Thermal (list the name of the instruments)	(i) Non-contact type thermometer (ii) Liquid flow-meter (on hire)	
24	Details of training programme/ seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	Attached with Petroleum Conservation Research Association as External Faculty.	Conducted Energy Awareness Programme : For Tea Associations at Siliguri in 2013
(i)	Conducted Training Programme for Small scale Associations in North Bengal through Jalpaiguri Dabgram Industries Owners Welfare Association in 2014 Conducted Seminar on Solar Energy for Institution of Engineers (India) in 2014	Conducted Training Programme through DIC, Jalpaiguri/ Darjeeling in 2015	Conducted seminars 'Energy Conservation in Construction Industry' in November, 2015
(ii)	Conducted training programme on Energy Efficiency/ Energy Audit for the engineers of GE Power Ltd (Durgapur) in 2016	Conducted three workshops for PCRA from 2013-2016	

D	Remarks(if any)
	CV of the Full-time & Part-time Energy Auditors are attached herewith.

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

C.V. of SUBRATA SANYAL (FULL –TIME)

Graduate in Electrical Engineering with 27 years in the field of maintenance (sectors : Plastic, textile, power distribution system, tea industry, fertilizer, fruit processing), Engineering Project consultancy, electrical equipment design and installations, energy management and audit, teaching & training in the fields of electrical power and its management.

Served in M/s Modi Steels Ltd., M/s Tata Consultancy Services Ltd., M/s CIMCO Birla Ltd.

Passed Energy Manager & Auditorship examination in 2011

Trained as Lead Auditor for EnMS (ISO-50001)

Full time engagement in the sector of electrical equipment design, installation, capacity generation, energy management, energy audit, EnMS consultancy, training/workshop programme on energy conservation and operation of energy savings equipment for industries' association, seminars conducted for The Institution of Engineers (India) and various colleges.

Conducted energy audit for own Firm, *Energy Conservation Total Solutions* (since 2011) and for Petroleum Conservation Research Association since 2014.

Provides Consultancy Services in EnMS for certification in ISO-50001. The major client names include GE Power India Ltd., Tata Group, Indian Tea Association, etc.

C.V. of TAPAS BANERJEE (PART-TIME)

Passed B E in Electrical Engineering and M.Tech in Industrial Drives & Control

Around 35 years of working experience in different units of SAIL in the areas of Power Generation, Power Management, Project Management, Regulatory Affairs, Energy Efficiency, Energy Audit and Renewable Energy. Have done extensively self research in the field of MSW management and New and Renewable Energy sources.

Advised SAIL units on development of Renewable Energy Sources and how to meet renewable energy obligations stipulated by concerned Regulatory Commissions. Conducted internal energy audit and introduced different energy saving techniques in various units of SAIL.

Retired as Deputy General Manager from Durgapur Steel Plant.

Certified Energy Manager & Auditor and trained as Lead Auditor in ISO-50001

C. V. of SUBAL CHANDRA GHOSH (PART-TIME)

Passed B.E.E. from Jadavpur University in 1971.

Served Coal India Ltd in various capacities in mines and in Dankuni Coal Complex (CIL). Retired from Dankuni Coal Complex as Deputy Chief Engineer (Electrical & Mechanical). The job profile included erection and maintenance of equipments.

Attached with Petroleum Conservation Research Association as External Faculty.
Conducted energy Audit since 2010 in the industrial units of chemical, power plant, Iron & Steel, Plastic, Textile, Tea Processing, Cement et al.

Certified Energy Manager & Auditor.