


Form-IV

(Note: To be submitted by the applicant at the time of submission of application. This is a modified version of Form IV. The original version of Form IV may please be seen in the Notified Regulation)

BUREAU OF ENERGY EFFICIENCY

Serial Number (AEA-0335)		As on: (02nd April, 2024)	
A.			
1	Name of energy auditor	K. BALASUBRAMANIYAN	
2	Father's name	R. KANNAYIRAM	
3	Date of certification as Energy Manager (or Energy Auditor, pl specify)	02.11.2006	
4	Date of passing the examination in "Energy Performance Assessment for Equipment and Utility Systems"	02.11.2006	
5	Examination Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems" (In case of Certified Energy Auditor, please write CEA Registration No.)	EA-2879	
6	Certificate Registration Number of (i) Energy Manager (ii) "Energy Performance Assessment for Equipment and Utility Systems"	(Not to be submitted at this stage)	
7	Date of issue of accreditation certificate	(to be filled by BEE)	Photograph of the energy auditor
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.NANDANA ENERGY SERVICES & TRADING, No.107, Thangaraj Nagar, Thirupadiripuliyur, Cuddalore, Tamil Nadu - 607002	
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)	K. BALASUBRAMANIYAN Proprietor, M/s.Nandana Energy services & Trading. No.107, Thangaraj Nagar, Thirupadiripuliyur, Cuddalore, Tamil Nadu – 607002 e-mail: kannayiram2000@yahoo.com 04142-796194, 9487153988, 6382962213
12	Professional postal address with Pin Code of the accredited energy auditor	K. BALASUBRAMANIYAN Proprietor, M/s.Nandana Energy services & Trading. No.107, Thangaraj Nagar, Thirupadiripuliyur, Cuddalore, Tamil Nadu – 607002
13	E-mail address	kannayiram2000@yahoo.com
14	Telephone numbers. with STD Code (R) (O) Mobile no:	04142-796194, 9487153988, 6382962213
15	Year of establishment of the trade name / firms' name for undertaking the energy audit	2021
16	Year of commencement of energy audit of the firm	2021
17	Whether any certificate to support the excellence in the system has been obtained (ISO etc.)	Nil
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	6 Nos.
20 (I)	Number. of full-time energy auditors in position with work experience of all energy auditors associated with the firm	1. K. Balasubramaniyan. B.E., Certified Energy Auditor (EA-2879) , Retired General Manager from NLCIL. Total experience of 35 years in Thermal Power Plant of various capacity viz.,50MW,100MW & 210 MW. 14 years of experience as Energy Manager /Auditor of NLCIL. Caried out lot of energy Conservation project at NLCIL. After retirement working as sector expert (Power Plant) for Center for Energy Environment and productivity, Chennai. Also headed more than 20 detailed Energy Audits (Mandatory Energy Audits) in various power plant of capacity 50,100,210, 500,600 & 800MW(super Critical) in Tamil Nadu, Telangana.

		<ol style="list-style-type: none"> 2. M. Venkatasubramanian. M.E(Power system)., Certified Energy Auditor (EA-2832), Retired Chief Manager, NLCIL. 37 years of work experience in the field of electrical utilities. Erection of energy efficient motors. Energy audit experience in Thermal Power Plant. 3. A. Balasubramanian. B.E.(Mech)., certified Energy Auditor (EA-21859) 22 Years of work experience in industries and Energy Audit 4. N. Rajasekaran. B.E., Retired ADGM from NLCIL. 35 Years of work experience in the field of power Generation, wind mill erection & maintenance and power plant control system.
(II)	No. of part-time energy auditors in position during the current year / previous year associated with the energy auditor / energy auditor's firms.	<ol style="list-style-type: none"> 1. Mr. K.G. Divakar, M.E (IISC Bangalore), He is a Certified Energy Auditor (EA - 28672) and has over forty years of experience in various types of industries in implementation of energy management measures. He holds a Post Graduate Degree in Mechanical Engineering from Indian Institute of Science, Bangalore Consultant 2. Dr.J.Nagesh Kumar. B.E (Mech)., Ph.D - AEA-0133. Certified Energy Manager, Accredited Energy Auditor and ISO 50001 Lead Auditor from British Standard Institute (UK) with an experience of more than 30 years in the field of Energy Efficiency. He has served the National Productivity Council (NPC) for about 26 years. He has headed more than 100 detailed Energy Audits in different sectors and has conducted many Trainings and Seminars on Energy Efficiency. He holds a Bachelors in Mechanical Engineering, Post Graduation in Energy Management from NPC and Doctorate in Gas turbine energy efficiency from Anna University, Chennai.
21	Sectors in which the energy auditor/ energy audit firm has conducted energy audits since inception	<ol style="list-style-type: none"> 1. Coal /Lignite fired Thermal Power plants with unit capacity of 50 MW, 100 MW, 210 MW, 500 MW, 600 MW & 800 MW 2. Paper & Pulp
22	Subject wise expertise	Boilers, Turbines, pumping system, Fan system, MDFP, TDBFP, lighting, electrical Motors and transformers, cooling towers etc.
(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	<ol style="list-style-type: none"> 1. Thermal Power Plants 2. Paper & Pulp

(b)	Energy audit thermal utility system (list sectors)	1. Thermal Power Plants 2. Paper & Pulp
(c)	Energy audit electrical utility system (list sectors)	1. Thermal Power Plants 2. Paper & Pulp
23	Instruments available	
	(a) Electrical (list the name of the instruments)	1. Lux meter Lutron Make LX-101 A 2. Clamp on Power Meter make Rishabh 3. Infrared Thermometer make Metravi model pro 65 max 4. Temp & Humidity Meter make Metravi model HT -13
	(b) Thermal (list the name of the instruments)	5. Anemometer Make Lutron Model AM - 4201 6. Flue Gas Analyzer Testo 310
(i)	Details of training programme / seminars/ workshops conducted during the last 3 years in the field of energy efficiency / energy audit	During my service at NLCIL as Energy Auditor I have conducted so many energy conservation programmes and conducted work shop on energy conservation for more than 400 employees of NLCIL. Also conducted energy conservation programme for Engineering college students nearby Cuddalore.
(ii)		Presented a Webinar on “ GOI Initiative to Enhance Energy Efficiency ” for senior executives of NLCIL on 14.11.2023.
(iii)		Session on energy Conservation techniques @ 1.North Chennai Power Station -1 during 2023 2.ILFS Power Station, Cuddalore during 2023 3.NLCIL TPS-I Expn, Neyveli during 2023
D	Remarks(if any)	
	1. Attended Refresher course on 19 th June 2022 at Chennai and obtained the certificate 2. Life Member of Society of Energy engineers and Managers. Membership No.330216280991. 3. Attended Indo-German Energy programme conducted at NPTI 4. Attended 3 days workshop on “Energy Efficiency in Thermal Power Plant” at Hyderabad. 5. Presented 3 Nos of National level technical papers on Energy conservation (Role of Power Engineers, Milling system & EC measures in Power Plant).	

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

Place: Cuddalore.

Date:.....

Signature:

Name: K.BALASUBRAMANIYAN

Designation: Proprietor

Nandana Energy Services & Trading, Cuddalore.

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