



B.V.V.S
**SHRI S.R.KANTHI ARTS, COMMERCE & SCIENCE
COLLEGE MUDHOL**

Accredited with "A" Graded by NAAC for 4th Cycle

ANNUAL QUALITY ASSURANCE REPORT 2023-24

Criterion-7

Institutional Value and Best Practice

7.1.6: Reports on Environment and Energy Audit

ABOUT SUNSHUBH TECHNOVATIONS PRIVATE LIMITED

Sunshubh Technovations Private Limited is registered in the year 2020 and has evolved from initial proprietary concern, Sunshubh Renewables & Research Centre. Sunshubh has been in operation since 2008. Sunshubh today is led by a team of well experienced Certified Energy Auditors and tech-savvy young engineers.

We believe in identifying opportunities and executing solutions based on need with highest priority to energy conservation over efficiency.

Since beginning, Sunshubh has been growing and today, we have a wide range of clientele in the field of industry: Tool room, Chemicals and refinery, Mining, Health, Hospitality, Food processing, Infrastructure and Educational institutions under NAAC compliance. Our approach has been very aggressive in equipping ourselves with the latest instruments.

After a decade of professional experience, we restructured ourselves and thus the formation of a Private Limited company on 22nd July 2020.

Today we have with us the technical team comprising three Certified Energy Auditors, One Certified Energy Manager and support team of young and enthusiastic engineers to comply to the client requirements.

POLICY MATTERS

Learning from our training in Germany and their policies, SUNSHUBH does not supply any energy saving equipment's or systems. However, we do stand up to support and execute the measures to prove our findings right. This is mandatory to assure the client that we do not market any self-centred product or orient the Audit assignment to sell any third party product. Meaning to say **we stand neutral to all methodologies in the interest of adopting best technologies.**

We strongly believe in sharing our knowledge and training in-house manpower for continual improvement in energy flow.

We have set a policy not to hire the instruments from third party but to procure every small or big ones to do justice to our clients.



BUREAU OF ENERGY EFFICIENCY



Examination Registration No. : **EA-3485** Serial Number **2838**

Certificate Registration No. : **2838**

Certificate For Certified Energy Manager

This is to certify that Mr./Mrs./Ms. **Mallikarjun A Kambalyal** Son/Daughter of Mr./Mrs. **Andanappa V Kambalyal** who has passed the National Examination for certification of energy manager held in the month of **April 2006** is qualified as certified energy manager subject to the provisions of Bureau of Energy Efficiency (Certification Procedures for Energy Managers) Regulations, 2010.

This certificate shall be valid for five years with effect from the date of award of this certificate and shall be renewable subject to attending the prescribed refresher training course once in every five years.

His /Her name has been entered in the Register of certified energy manager at Serial Number **2838** being maintained by the Bureau of Energy Efficiency under the aforesaid regulations.

Mr./Mrs./Ms. **Mallikarjun A Kambalyal** is deemed to have qualified for appointment or designation as energy manager under clause (1) of Section 14 of the Energy Conservation Act, 2001 (Act No.52 of 2001).

Given under the seal of the Bureau of Energy Efficiency, this **7th** day of **February, 2013**

Secretary
Bureau of Energy Efficiency
New Delhi

Dates of attending the refresher course	Secretary's Signature	Dates of attending the refresher course	Secretary's Signature
28.01.2020			

Certificate of Successful Completion

Intertek

This is to Certify that

MALLIKARJUN A KAMBALYAL

has successfully completed the

Intertek

***CQI & IRCA Certified ISO 14001:2015
Auditor Conversion Training Course***

*The Course includes the assessment and evaluation of Environmental Management
Systems to conform to the requirements of ISO 14001:2015 and ISO 19011:2011*

*This course is certified by the Chartered Quality Institute (CQI) and the
International Register of Certificated Auditors (IRCA)
– IRCA REFERENCE 18093 –*

*The course meets the training requirements for individuals seeking certification
under the IRCA Auditor Certification Schemes*



Authorising Signature: Vyra Srinuova

Course Dates: 14th – 16th July 2017

Certificate Number: 47730

Membership Application To Be Made Within 3 Years From Last Day of Course

121807

bsi.

BSI Training Academy

This is to certify that

Mallikarjun A. Kambalyal

has attended and passed

**Energy Management Systems (ENMS) Auditor/Lead Auditor Training Course
(ISO 50001:2011)**



Premanand Ramakrishnan, Director of Training

Date: 14/04/2016 - 18/04/2016

Certificate Number: ENR-00253448

This certificate is valid for 3 years from the date above for the purpose of registering as an auditor with IRCA.

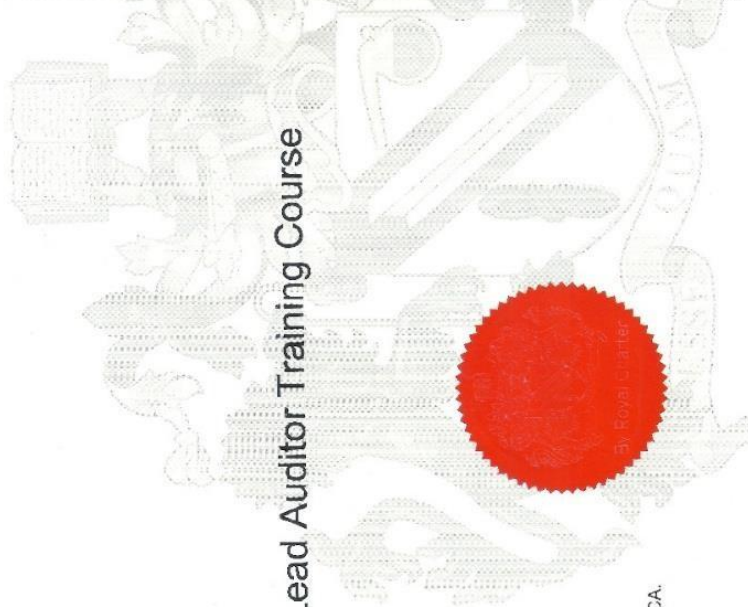


Course number A17583 certified by IRCA

The British Standards Institution is incorporated by Royal Charter
BSI India, The Mira Corporate Suites (A-2), Plot 1 & 2, Ithwer Nagar, Memura Road, New Delhi 110005, India Tel: +91 11 2952 8000



By Royal Charter



...making excellence a habit.™

WHAT IS AN ENERGY AUDIT?

An energy audit is an analysis of a facility, indicating how and where that facility can reduce energy consumption and save energy costs. Its insight to energy efficiency and conservation can lead to significant savings on the company's utility bill.

WHY SHOULD YOU GET AN ENERGY AUDIT?

Energy costs are soaring and your business can be at considerable risk if you don't take the guesswork out of your energy usage and the budget you need to cover it. Energy audits identify where your business is wasting energy. Residential and commercial properties account for around 10% of carbon emissions in the US, according to the EPA, which means they are very inefficient and waste huge amounts of energy and... revenue. An energy audit helps by revealing just how and where energy is being wasted. With thousands of commercial energy customers nationwide, we are well-qualified to advise you on which methods are best used for reducing energy waste and overall energy consumption. Let's start with a simple free evaluation of your bills and show you how we have been found to save between 5% and 35% for many of our customers. In the case of energy, less is more. Lower energy consumption equals lower energy costs. And, of course, less energy consumption is obviously good for the environment.

ENVIRONMENT AUDIT OBJECTIVES.

Energy Audit was initiated in the beginning of 1970's, with the motive of inspecting the work executed within an organization, whose exercises could cause risk to the health of inhabitants and the environment. It exposes the genuineness of the proclamation made by the organisation with the concern on health issues. As a consequence of their operations with respect to environmental pollution it is the duty of the organisation to carry out the green audit of the ongoing processes for various reasons, such as,

- To make sure whether one is performing in accordance with the relevant rules and regulations,
- To improve the procedures and aptness of material in use,
- To analyse the potential duties and to determine a way which can lower the cost and to the revenue.
- Through green audit one gets adoration as to how to improve the condition of the environment. There are various factors that were forced upon and determine the growth of/or conduct of green audit. Incidents like,
- Decades old Bhopal gas tragedy, that has left its residual effect which still haunts us.
- Our buildings catching fire due to various reasons,
- Industries blowing off taking valuable human lives etc
- People going sick, feeling tired, after long hours of operations in the organization,
- Increased demand of generators due to inconsistent power supply, which has resulted or lead into recent floods and droughts,

are some of the situations to ponder about!

To address various issues in context with human health, green audit is assigned to "Criteria 7" of NAAC (National assessment and accreditation council) accreditation. NAAC is a self-governing organization in India that declares the institutions as Grade "A++", "A+", "A", Grade "B", according to the scores assigned at the time of accreditation.

The other intention of organising green audit is to update the environment conditions in and around the institutions i.e., within the compound and outside the

compound. It is carried out with the aid of performing certain tasks like waste management, energy consumed, diesel burnt it performing the objective of the organization. Lastly to self-assess the net carbon footprint of the conduct of process in the organization.

THE GOALS OF GREEN AUDIT

The purpose of carrying out green audit is securing the environment and cut down the threat posed to human health.

- To Make sure that rules and regulations are complied with.
- To avoid the environmental interruptions that are more difficult to handle and their corrections call for high cost.
- To suggest the best protocol for adding to sustainable development.
- To execute the process of the organisation utilising minimum natural resources and efficient use of those resources contributing to minimum waste generation.

How is the green audit conducted?

- Pre-audit
- Planning
- Selecting the team of auditors both internal and external
- Schedule the audit facility
- Acquire the background information
- Visit areas under audit

We present this report to fulfil the citizens moral responsibilities much more than the legal or mandatory compliances. This report is tabled in two parts. The first forms the core discussions which are general in nature. The second section is subject specific under the statutory requirements of the NAAC accreditation norms. They are Audit reports on Green aspects, Energy aspects, Environment aspects, Health aspects and the discussions on net CARBON FOOTPRINT & the CARBON HANDPRINT initiatives.

shall be common for all the three se

Any modifications, changes, omissions after the site visit shall be exclusive.

Authorised Auditor.

Mallikarjun A. Kambalyal B.E (E&C)
Certified Energy Auditors EA-3485 & ISO 50001:2011 & ISO14001:2015 Lead Auditor.

ACKNOWLEDGEMENT:

SUNSHUBH RENEWABLES & RESEARCH CENTRE is pleased to express its sincere gratitude to the management of BVV Sangha's Shri S.R. Kanthi Arts, Commerce and Science College, Mudhol, for entrusting SUNSHUBH RENEWABLES & RESEARCH CENTRE with the assignment on Green Earth practices based on Educate, Practice, Advocate & Manage the resources in their educational organization.

We acknowledge the assignment allocation sent by Email on 19th Oct 2019.

We also wish to thank Dr. N B Inganal Principal, and Dr. A U Rathod, Environment Audit Co-Ordinator, who have been constantly following with the green aspects and developments in the college. It was on their instance that we got to evaluate the initiatives undertaken. The officials and the maintenance staff for the help rendered during the energy flow study.

We would fail if we neglect to appreciate the sincere efforts put in by the Faculty Members

THOUGHT FOR EVERY MOMENT

There are about 15,00,00,000 students in INDIA. If every student uses one sheet per day, 15,00,00,000 sheets of paper containing 998 tons of paper will be used every day. This is equivalent to cutting 2748.54 tons of wood a day. This will lead to saving about 33,00,679 trees per year.

SO LET US ALL USE BOTH SIDES OF THE SHEET even better about E-CORRESPONDENCE.

GREEN AUDIT COMPLETION CERTIFICATE

Credentials
attached
7.1.6

I, Mallikarjun A. Kambalyal endorse and confirm that this report is generated based on the site visits and evidence collected from the site.

All attempts have been made to evaluate the scope for development and inculcate green practices in the campus and extended throughout the campus. The focus is also laid to make positive impact on the society for a better living.

I also confirm and sign this certificate, in case the institution needs demonstration, my team of professionals shall be happy to do so.

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Certified Energy Auditor EA-3485 & ISO 50001:2011 & ISO 14001:2015 Lead Auditor.

THOUGHT FOR EVERY MOMENT

There are about 15,00,00,000 students in IN-DEA. If every student saves one sheet per day, 15,00,00,000 sheets of paper remaining 968 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. The carbon

saving about 13,00,00,78 tons per year.

SO LET US ALL USE BOTH SIDES OF THE SHEET even better about E-CORRESPONDENCE