



A GUIDE FOR PLANTS, OFFICES & COMMUNITIES

# The Energy, ESG & Safety Audit Guide

How a professional audit cuts your energy bills, closes safety gaps and builds an ESG record — with findings you can actually act on.

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By ITIHAS Engineering Services

Certified EPC & Fit-Out authority · CEng · BEE · IGBC · ECBC · ISO 45001 *"Building Trust. Delivering Value."*

# What a real audit delivers

An audit is only useful if it leads to savings and safety, not a report that sits in a drawer. Here is the full scope ITIHAS delivers, led by a BEE-certified auditor:

- **Energy audit (BEE method)**  
Measured consumption, losses and load profiling across the facility.
- **Energy conservation measures**  
Prioritised ECMs with investment, savings and payback for each.
- **Electrical safety audit**  
Earthing, panels, protection, thermography and code compliance checks.
- **Fire & general safety**  
Hazard identification (HIRA) and fire-safety gap analysis.
- **ESG & sustainability**  
Baseline metrics and a practical roadmap toward ESG reporting.
- **Compliance & documentation**  
Findings mapped to IS / CEA / NBC / BEE / ISO 45001 requirements.

**Measured, prioritised, and mapped to real savings.**

Not a generic report — a costed action plan you can execute.

# How a professional audit runs

A credible audit follows a measured method, not a walkthrough and a template.

**1****Scope & baseline**

Bills, drawings and consumption history reviewed to set a baseline.

**2****On-site measurement**

Instrumented readings, thermography and load logging on site.

**3****Analysis**

Losses, inefficiencies and safety gaps identified and quantified.

**4****Prioritised recommendations**

ECMs and fixes ranked by cost, saving and payback.

**5****Report & walkthrough**

A clear report and a session to explain findings and priorities.

**6****Implementation support**

Optional execution of the recommended measures by our EPC team.

## 6 audit mistakes to avoid

A weak audit costs you twice — the fee, and the savings you never capture.



### Walkthrough-only 'audits'

No instruments, no data — just opinions you can't bank on.



### Uncertified auditors

Findings without BEE / recognised credentials carry little weight.



### No payback analysis

Recommendations with no cost or ROI are impossible to prioritise.



### Ignoring electrical safety

Energy focus that overlooks earthing and protection is dangerous.



### Report with no action plan

A list of problems is not the same as a plan to fix them.



### No follow-through

Findings that no one implements deliver zero return.

# Audits that pay for themselves.

Led by a **BEE-certified energy auditor**.

Every ITIHAS project is personally overseen by a Managing Partner who holds the credentials most firms in this space simply don't. One firm. One accountable engineer. What we commit, we deliver.

✓ Chartered Engineer (CEng)

✓ BEE Certified Energy Auditor

✓ IGBC Accredited Professional

✓ ECBC Professional

✓ ISO 45001:2018 Certified

✓ NISM-CRISIL ESG Risk Analyst

## Price locked upfront

A transparent, itemised BOQ before any work starts.

## What we commit, we deliver

Approved scope & materials — zero substitutions.

## Supervised every day

A dedicated engineer owns quality at every stage.

## Committed handover

A milestone schedule and a handover date we keep.

## Before you commission an audit

Ask any audit provider these questions. The right partner answers all of them clearly.

- ☐ Is the auditor BEE-certified and recognised?
- ☐ Are findings based on measured data and thermography?
- ☐ Does each recommendation include cost, saving and payback?
- ☐ Are electrical and fire safety gaps included, not just energy?
- ☐ Is the report mapped to IS / CEA / BEE / ISO standards?
- ☐ Will you help us implement the priority measures?
- ☐ Can you support ESG baselining and reporting?

**Want to cut energy cost and close safety gaps?**

Get a scoping call and a fixed-fee proposal from a BEE-certified auditor.

**Call / WhatsApp +91 98499 08842**

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