



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

An ISO 9001:2015 Certified Institution

GREEN AUDIT CERTIFICATE



CERTIFICATE FOR GREEN AUDIT

Certificate Number: PSQC961

This is to certify that, we have conducted a GREEN AUDIT in RAAK COLLEGE OF ENGINEERING AND TECHNOLOGY, MUTHUPILLAI PALAYAM ROAD, SULTHANPET POST, PUDUCHERRY – 605 110 on 15, June 2023. The Audit investigates the following activities.

1. Coverage of matured trees (nearly 189 trees available in the college campus)
2. Implemented many flowers, shrubs and indoor plants
3. Assessment of water distribution network
4. Evaluation of solid and E-waste management system
5. Future expansion of Thermal energy systems for regular activities
6. Identification of expansion of green coverage for planting more trees

The detailed campus Greenery Coverage and initiatives are presented in the Audit Report.

Authorized Auditor

G. ARIVARASAN

BEE Certified Energy Auditor (EA-21875)

Lead Auditor – ISO 14001, EMS

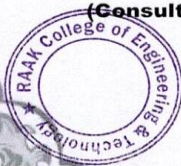
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ENERGY AUDIT CERTIFICATE



CERTIFICATE FOR ENERGY AUDIT

Certificate Number: PSQC960

This is to certify that, we have conducted a detailed ENERGY AUDIT in RAAK COLLEGE OF ENGINEERING AND TECHNOLOGY, MUTHUPILLAI PALAYAM ROAD, SULTHANPET POST, PUDUCHERRY – 605 110 on 15, June 2023. The Audit team has identified 06 Energy Conservation Proposals (ENCONs) and summary of the energy audit is given below.

Description/Year	2022-2023		
Annual Electricity Consumption (kWh)	1,61,093 kWh		
Summary of Energy Conservation (ENCON) Proposals			
Description	Parameters		
	Present	After	Savings
Annual Energy Consumption	1,61,093 kWh	1,44,984 kWh	16,109 kWh
Annual Energy Cost	17.43 lakhs	15.69 lakhs	1.743 lakhs
Simple Payback Period	---	---	1.5 years

Equipment's/Systems Audited

Electrical System	Thermal System
<ul style="list-style-type: none">Electrical System & NetworkLighting, Fan & Air Conditioning System	<ul style="list-style-type: none">Diesel generators, pumps and motorsInverter, UPS and Battery System

The detailed Energy Conservation Proposals are presented in the Audit Report.

Authorized Auditor

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CIN: U74999TN2020PTC138625 Dr. S. SEENUVASAMURTHI, M.E., Ph.D.

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ENVIRONMENTAL AUDIT CERTIFICATE



CERTIFICATE FOR ENVIRONMENTAL AUDIT

Certificate Number: PSQC962

This is to certify that, we have conducted an **ENVIRONMENTAL AUDIT** in RAAK COLLEGE OF ENGINEERING AND TECHNOLOGY, MUTHUPILLAI PALAYAM ROAD, SULTHANPET POST, PUDUCHERRY – 605 110 on 15, June 2023. This Audit highlights the **energy balance sheet** indicating various energy carriers associated with the regular activities of the college and their CO₂ mapping.

Environmental System: CO₂ Balance Sheet (2022-2023)

S. No.	Energy Consumption & CO ₂ Emission			CO ₂ Neutralization		
	Description	Annual Usage	CO ₂ Emission (Tons/Annum)	Description	Annual Usage	CO ₂ Neutralized (Tons/Annum)
1.	Electrical Energy	161093 kWh	132.09	Matured Trees	189 Nos.	4.12
2.	Total Emission		132.09	Total Neutralized		4.12
Balance CO ₂ to be neutralized				127.97 Tons/Annum		
CO ₂ Accountability for RCET Campus				650.21 Tons/Annum ¹		
¹ Calculated based on the weighted average of total strength of students, teaching and technical staff = 506						

Systems Audited

Electricity consumption	Usage of Chemical, Salts, Acids & Cleaning Agents
Diesel consumption (Transport)	Solid and E-waste Handling & Management
RO and water distribution system	

The detailed Environmental aspects & impacts are presented in the Audit Report.

Authorized Auditor

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