



CERTIFICATE FOR GREEN AUDIT

Certificate Number: **PSQC1052**

This is to certify that, we have conducted a **GREEN AUDIT** in **RAAK ARTS AND SCIENCE COLLEGE, NO.1, BASHEER CAMPUS, PERAMBAL ROAD, PERAMBAL, VANUR (T.K.), VILLUPURAM DISTRICT – 605 110** during 23 June 2023.

The Audit investigates the following activities.

1. Coverage of matured trees (nearly 109 trees available in the college campus)
2. Implementation of many flowers, shrubs and indoor plants
3. Assessment of water distribution work
4. Future expansion of Thermal Energy for regular activities
5. 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

P S QUALITY CERTIFICATION PVT. LTD.

(Consultancy - Accreditation & Certification) Auditing & Training

E-mail: info@psqualitycertifications.com

Web Site: www.psqualitycertifications.com

CIN: U74999TN2020PTC138625



PRINCIPAL

**RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.**



CERTIFICATE FOR ENVIRONMENTAL AUDIT

Certificate Number: PSQC1054

This is to certify that, we have conducted an **ENVIRONMENTAL AUDIT** in RAAK ARTS AND SCIENCE COLLEGE, NO.1, BASHEER CAMPUS, PERAMBAL ROAD, PERAMBAL, VANUR (T.K.), VILLUPURAM DISTRICT – 605 110 during 23 July 2023. This Audit highlights the energy balance sheet indicating various energy carriers associated with the regular activities of the institution 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 Emission (Tons/Annum)
1	Electrical Energy	112328 kWh	92.1	Matured Trees	109 Nos.	2.38
5	Total Emission		92.1	Total Neutralized		2.38
Balance CO ₂ to be Neutralized				89.72 Tons/Annum		
CO ₂ Accountability for RAAK Arts and Science College Campus				1310.7 Tons/Annum¹		
(Calculated based on the weighted average of total strength of students, teaching and technical staff = 1040)						

System 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

G. ARIVARASAN

BEE Certified Energy Auditor (EA-21875)

Lead Auditor - ISO 14001, EMS

P S QUALITY CERTIFICATION PVT. LTD.

(Consultancy - Accreditation & Certification) Auditing & Training

E-mail: info@psqualitycertifications.com

Web Site: www.psqualitycertifications.com

CIN: U74999TN2020PTC138625



PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL:



CERTIFICATE FOR **ENERGY AUDIT**

Certificate Number: **PSQC1053**

This is to certify that, we have conducted an **ENERGY AUDIT** in **RAAK ARTS AND SCIENCE COLLEGE, NO.1, BASHEER CAMPUS, PERAMBAL ROAD, PERAMBAL, VANUR (T.K.), VILLUPURAM DISTRICT – 605 110** during 23 June 2023. The Audit team has identified 06 Energy Conservation Proposals (ENCONs) and summary of the energy audit is given below.

Description/Year	2022-23		
Annual Electricity Consumption (kWh)	1,12,328 kWh		
Summary of Energy Conservation (ENCON) Proposals			
Description	Parameters		
	Present	After	Savings
Annual Energy Consumption	1,12,328 kWh	95,479 kWh	16,849 kWh
Annual Energy Cost	19.84 lakhs	18.06 lakhs	1.78 lakhs
Simple Payback Period	---	---	1.5 years

Equipment's/Systems Audited

Electrical System	Thermal System
Electrical System & Network	Diesel generators, pumps and motors
Lighting, Fan & Air Conditioning System	Inverter, UPS and Battery System

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

Authorized Auditor

G. ARIVARASAN

BEE Certified Energy Auditor (EA-21875)

Lead Auditor - ISO 14001, EMS

P S QUALITY CERTIFICATION PVT. LTD.

(Consultancy - Accreditation & Certification) Auditing & Training

E-mail: info@psqualitycertifications.com

Web Site: www.psqualitycertifications.com

CIN: U74999TN2020PTC138625



PRINCIPAL

RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL