



CERTIFICATE FOR ENERGY AUDIT

Certificate Number: PSQC9051

This is to certify that, we have conducted a detailed **ENERGY AUDIT** in **Narayana Pharmacy College** situated at Chinthareddypalem, Nellore, Andhra Pradesh – 524 003 during 20 July 2022 (for the **academic year 2021-2022**). The Audit team has identified 10 Energy Conservation Proposals (ENCONs) and summary of the energy audit is given below.

Description/Year	2021-2022		
Annual Electricity Consumption (kWh)	2,47,364 kWh		
Summary of Energy Conservation (ENCON) Proposals			
Description	Parameters		
	Present	After	Savings
Annual Energy Consumption	2,47,364 kWh	2,10,260 kWh	37,105 kWh
Annual Energy Cost	21.76 lakhs	18.50 lakhs	3.26 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
Rooftop solar PV plant	

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

Authorized Auditor

Mr. G. ARIVARASAN
BEE Certified Energy Auditor (EA-21875);
Lead auditor Enms ISO 50001 &
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CIN: U74999TN2020PTC138625


PRINCIPAL

NARAYANA PHARMACY COLLEGE

NELLORE - 524 002



CERTIFICATE FOR ENVIRONMENTAL AUDIT

Certificate Number: PSQC9052

This is to certify that, we have conducted an **ENVIRONMENTAL AUDIT** in **Narayana Pharmacy College** situated at Chinthareddypalem, Nellore, Andhra Pradesh – 524 003 during 20 July 2022 (for the **academic year 2021-2022**). 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 (2021-2022)

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	2,47,364 kWh	202.84	Matured Trees	385 Nos.	8.39
	Total Emission		202.84	Total Neutralized		8.39
	Balance CO ₂ to be Neutralized			194.45 Tons/Annum		
	CO ₂ Accountability for NPC Campus			804.41 Tons/Annum¹		
(Calculated based on the weighted average of total strength of students, teaching and technical staff = 626)						

System Audited

Electricity consumption	Usage of Chemical, Salts, Acids & Cleaning Agents
Rooftop solar PV plant	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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CERTIFICATE FOR GREEN AUDIT

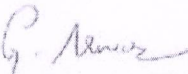
Certificate Number: PSQC 9050

This is to certify that, we have conducted a **GREEN AUDIT** in **Narayana Pharmacy College** situated at Chinthareddypalem, Nellore, Andhra Pradesh – 524 003 during 20 July 2022 (for the **academic year 2021-2022**). The Audit investigates the following activities.

1. Coverage of matured trees (nearly 385 trees available in the college campus)
2. Future expansion of thermal energy system for regular activities
3. Evaluation of solid, liquid and e-waste management system
4. Identification of expansion of green coverage for planting more trees
5. Evaluation of water distribution network

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

Authorized Auditor


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