



CERTIFICATE FOR ENERGY AUDIT

Certificate Number: PSQC7021

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 15 July 2020 (for the **academic year 2019-2020**). The Audit team has identified 14 Energy Conservation Proposals (ENCONs) and summary of the energy audit is given below.

Description/Year	2019-2020		
Annual Electricity Consumption (kWh)	3,56,204 kWh		
Summary of Energy Conservation (ENCON) Proposals			
Description	Parameters		
	Present	After	Savings
Annual Energy Consumption	3,56,204 kWh	3,02,773 kWh	53,431 kWh
Annual Energy Cost	31.34 lakhs	26.64 lakhs	4.7 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: PSQC7022

This is to certify that, we have conducted an **ENVIRONMENTAL AUDIT** in **Narayana Pharmacy College** situated at Chinthareddypalem, Nellore, Andhra Pradesh – 524 003 during 15 July 2020 (for the academic year 2019-2020). 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 (2019-2020)

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	3,56,204 kWh	292.08	Matured Trees	315	6.87
	Total Emission		292.08	Total Neutralized		6.87
Balance CO ₂ to be Neutralized				285.21 Tons/Annum		
CO ₂ Accountability for NPC Campus				768.43 Tons/Annum ¹		
(Calculated based on the weighted average of total strength of students, teaching and technical staff = 598)						

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

G. Arivarasan

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[Signature]
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CERTIFICATE FOR GREEN AUDIT

Certificate Number: PSQC7020

This is to certify that, we have conducted a **GREEN AUDIT** in **Narayana Pharmacy College** situated at Chinthareddypalem, Nellore, Andhra Pradesh – 524 003 during 15 July 2020 (for the academic year 2019-2020).

The Audit investigates the following activities.

1. Coverage of matured trees (nearly 315 trees available in the college campus)
2. Implemented many flowers and shrubs
3. Assessment of water distribution network
4. Analysis of waste water treatment in STP
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

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