



## CERTIFICATE FOR ENERGY AUDIT

Certificate Number: PSQC1056

This is to certify that, we have conducted a detailed **ENERGY AUDIT** in **Narayana Pharmacy College** situated at Chinthareddypalem, Nellore, Andhra Pradesh – 524 003 on 20<sup>th</sup> and 21<sup>st</sup>, June 2024. The Audit team has identified 05 Energy Conservation Proposals (ENCONs) and summary of the energy audit is given below.

Description/Year	2023-2024		
Annual Electricity Consumption (kWh)	1,71,781 kWh		
Summary of Energy Conservation (ENCON) Proposals			
Description	Parameters		
	Present	After	Savings
Annual Energy Consumption	1,71,781 kWh	1,46,014 kWh	25,767 kWh
Annual Energy Cost	15.13 Lakhs	12.86 Lakhs	2.27 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 &

Lead Auditor EMS ISO 14001

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CIN: U74999TN2020PTC138625

PRINCIPAL

NARAYANA PHARMACY COLLEGE

NELLORE - 524 002.





## CERTIFICATE FOR ENVIRONMENTAL AUDIT

Certificate Number: PSQC1057

This is to certify that, we have conducted an **ENVIRONMENTAL AUDIT** in **Narayana Pharmacy College** situated at Chinthareddypalem, Nellore, Andhra Pradesh – 524 003 on 20<sup>th</sup> and 21<sup>st</sup>, June 2024. This Audit highlights the **energy balance sheet** indicating various energy carriers associated with the regular activities of the college and their CO<sub>2</sub> mapping.  
**Environmental System: CO<sub>2</sub> Balance Sheet (2023-2024)**

S.No	Energy Consumption & CO <sub>2</sub> Emission			CO <sub>2</sub> Neutralization		
	Description	Annual Usage	CO <sub>2</sub> Emission (Tons/Annum)	Description	Annual Usage	CO <sub>2</sub> Emission (Tons/Annum)
1	Electrical Energy	<b>1,71,781</b>	<b>140.86</b>	Matured Trees	<b>455</b>	<b>9.9</b>
	<b>Total Emission</b>		<b>140.86</b>	<b>Total Neutralized</b>		<b>9.9</b>
	Balance CO <sub>2</sub> to be Neutralized			130.96 Tons/Annum		
	CO <sub>2</sub> Accountability for NPC Campus			976.6 Tons/Annum <sup>1</sup>		
(Calculated based on the weighted average of total strength of students, teaching and technical staff = 760)						

### System Audited

<b>Electricity consumption</b>	<b>Usage of Chemical, Salts, Acids &amp; Cleaning Agents</b>
<b>Rooftop solar PV plant</b>	<b>Solid and E-waste Handling &amp; Management</b>
<b>RO and water distribution system</b>	

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

### Authorized Auditor

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## **CERTIFICATE FOR** **GREEN AUDIT**

Certificate Number: PSQC1055

This is to certify that, we have conducted a **GREEN AUDIT** in **Narayana Pharmacy, College** situated at Chinthareddypalem, Nellore, Andhra Pradesh – 524 003 on 20th and 21<sup>st</sup> June 2024.

The Audit investigates the following activities.

1. Coverage of matured trees (nearly 455 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. 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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