



CERTIFICATE FOR ENERGY AUDIT PROCESS

This is to certify that, we have conducted a detailed **ENERGY AUDIT** in KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), Nanjanapuram, Erode - 638 107 on 25 & 26 November 2021. The audit team has identified **12 Energy Conservation Proposals (ENCONs)** and the summary of the Energy Audit Process is given below.

Description/Year	2017-18	2018-19	2019-20	2020-21	2021-22
Annual Electricity Consumption (kWh)	5,07,748	5,31,578	4,76,888	2,34,796	1,31,718
Annual LPG Consumption (kg)	12,787	17,442	13,680	4,560	2,375
Summary of Energy Conversion (ENCON) Proposals					
S. No.	Description		Parameters		
1.	Present Annual Energy Consumption		5,31,478 kWh + 17,442 kg of LPG		
2.	Present Annual Energy Cost		Rs. 55.0 Lakhs		
3.	Proposed % of Energy Savings		19.0 % Electrical + 20.0 % LPG		
4.	Proposed Annual Energy Savings		1,01,432 kWh + 3,493 kg of LPG		
5.	Proposed Financial Savings		Rs. 10.50 Lakhs		
6.	Initial Investment Required		Rs. 18.40 Lakhs		
7.	Simple Payback Period		Nearly 1.8 Years		

Equipment's/Systems Audited:

• Electrical System & Network	• Motors & Water Pumping Systems
• Lighting, Fan & Air Conditioning System	• Boiler and Steam Distribution System
• Inverter, UPS & Battery System	• LPG Consumption

Thank You

Audit Conducted and Verified by,

S.R. Sivarasu

(Dr. S.R. SIVARASU)

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