



KONGU ENGINEERING COLLEGE (Autonomous)

PERUNDURAI, ERODE - 638 060, INDIA



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31/10/2025

ENERGY AUDIT CERTIFICATE

This is to certify that, we have conducted an **Energy Audit** in **Vivekanandha College of Engineering for Women**, Elayampalayam, Tiruchengode, Namakkal - 637205, TamilNadu on 28th October, 2025. The audit team has identified energy saving measures and the summary of Energy Audit Process is given below.

S.No.	Description	Parameters
1	Annual Energy/ fuel Consumption	185650.63 litres diesel, 45277 kg of LPG & 711532.4 kWh electricity
2	Present Annual Energy Cost	Rs.3,11,15,719
3	Proposed cost Savings due to the replacement 100 fans with BLDC fans	Rs. 75,000.00
4	Proposed cost Savings per year from LPG cylinders by efficient usage.	Rs. 34,000.00
5	Proposed cost savings per year due to the installation of 50 kW solar PV Plant.	Rs. 4,62,000.00
6	Initial Investment Required	Rs. 19,00,000.00
7	Total savings ((3)+(4)+(5))	Rs. 5,71,000.00
8	Payback period in years	3.33

Equipment/Systems Audited

Electrical Network
Inverter, UPS and Battery System
Solar PV [90.2 kW]
Lightings, Fans & Air Conditioning System
Diesel Fuel Consumption

Audited and accounted for June 2024 to May 2025

Yours Truly

Dr.T.Logeswaran

BEE Certified Energy Auditor EA-13164,
IGBC – AP, ISO 14001:2015 -
Environmental Management Systems
Lead Auditor

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