



CERTIFICATE FOR ENERGY AUDIT

Certificate Number: PSQC 190

This is to certify that we have conducted an ENERGY AUDIT in UNNAMALAI INSTITUTE OF TECHNOLOGY, Kovilpatti (PO), Thoothukudi (Dt) - 628502, Tamil Nadu during 13/03/2019 - 14/03/2019. The Audit team has identified 07 Energy Conservation Proposals (ENCONs) and summary of the energy audit is given below.

Description/Year	2018-2019		
Annual Electricity Consumption (kWh)	57000 kWh		
Annual LPG consumption (kg)	323 kg		
Summary of Energy Conservation (ENCON) Proposals			
Description	Parameters		
	Present	After	Savings
Annual Energy Consumption	57000 kWh + 323 Kg of LPG	51300 kWh + 307 kg of LPG	5700kWh + 16 kg of LPG
Annual Energy Cost	7.60 lakhs	6.84 lakhs	0.76 lakhs
Simple Payback Period	-	-	1.5 years

Equipment's/Systems Audited

Electrical System	Thermal System
All major electrical equipment's	Inverter, UPS and battery system
Electrical Distribution system	Diesel generators, pumps and motors
Lightings, Fans and Air conditioning system	LPG for cooking application
Solar power plant	

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

Authorized Auditor

G. ARIVARASAN

BEE Certified Energy Auditor (EA-21875)

Lead Auditor - ISO 14001, EMS

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CIN: U74999TN2020PTC138625



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Certificate Number: PSQC 191

This is to certify that we have conducted an ENERGY AUDIT in UNNAMALAI INSTITUTE OF TECHNOLOGY, Kovilpatti (PO), Thoothukudi (Dt) - 628502, Tamil Nadu during 18/03/2020 - 19/03/2020. The Audit team has identified 07 Energy Conservation Proposals (ENCONs) and summary of the energy audit is given below.

Description/Year	2019-2020		
Annual Electricity Consumption (kWh)	35000 kWh		
Annual LPG consumption (kg)	136 kg		
Summary of Energy Conservation (ENCON) Proposals			
Description	Parameters		
	Present	After	Savings
Annual Energy Consumption	35000 kWh + 136 Kg of LPG	31500 kWh + 129 kg of LPG	3500 kWh + 7 kg of LPG
Annual Energy Cost	5.70 lakhs	5.13 lakhs	0.57 lakhs
Simple Payback Period	-	-	1.6 years

Equipment's/Systems Audited

Electrical System	Thermal System
All major electrical equipment's	Inverter, UPS and battery system
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