

RAM KALAM-CENTRE FOR ENERGY CONSULTANCY & TRAINING

CHENNAI



COIMBATORE



ERODE

(Regt. Office. No. 8, VPK Garden, Coimbatore – 641 062,

Mobile: +91-99420 14544, 80567 19372, Email: ramkalamcect@gmail.com)

(GST No. 33AAZFR8890A1ZN)

CERTIFICATE

To whomsoever it may concern

This is to certify that, we have conducted a detailed Energy Audit in **M/s. Dhirajlal Gandhi College of Technology**, Opposite Salem Airport, Kamalapuram, Sikkampatti, Omalur, Tamil Nadu 636 309 on **16 December 2019**. The audit team has identified **9 Energy Conservation Proposals (ENCONs)** and summary of all the ENCONs are given below.

S. No	Description	Parameters
1.	Present Annual Energy Consumption	2,18,440 kWh + 4,152 kg of LPG
2.	Present Annual Energy Cost	Rs. 22.29 Lakhs
3.	Proposed Energy Savings	96,472 kWh + 83 kg of LPG
4.	Proposed Financial Savings	Rs. 8.64 Lakhs
5.	Initial Investment Required	Rs. 24.62 Lakhs
6.	Simple Payback Period	Nearly 2.8 Years
7.	% Reduction of Energy Consumption	44 % in Electrical + 2 % LPG

Equipment's/Systems Audited:


- Electrical Network, DG & APFC
- Lighting, Fans, UPS & Air Conditioners
- Water Pumping & Bore wells
- RO, STP, Solar Power Plant (25 kW)
- LPG System in Cooking

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

Thank You

Yours Truly,

M/s. Ramkalam - Centre for Energy
Consultancy & Training (RK-CECT),
No. 8, VPK Garden,
Velanaipatti, Coimbatore - 641 062.


(Dr. S.R. SIVARASU)
Dr.S.R.SIVARASU, M.E., Ph.D.,
BEE Certified Energy Auditor
(EA-27299)

RAM KALAM-CENTRE FOR ENERGY CONSULTANCY & TRAINING

CHENNAI



COIMBATORE



ERODE

(Regt. Office. No. 8, VPK Garden, Coimbatore – 641 062,

Mobile: +91-99420 14544, 80567 19372, Email: ramkalamcect@gmail.com)

(GST No. 33AAZFR8890A1ZN)

CERTIFICATE

To whomsoever it may concern

This is to certify that, we have conducted an **Environmental Audit** in **M/s. Dhirajlal Gandhi College of Technology**, Opposite Salem Airport, Kamalapuram, Sikkanampatty, Omalur, Tamil Nadu 636 309 on **16 December 2019**. This audit process highlight the present CO₂ emission and methods adopted to neutralize the same in the college campus.

S. No	Description	Type of Fuel and their Conversion Process		
		Electricity	Diesel	LPG
1.	Total Annual Consumption	2,18,440 kWh	1,29,058 Litre	4,152 kg
2.	CO ₂ Emission (Tons)	179.12	340.71	13.87
3.	Total CO ₂ Emission	533.7 Tons/Annum		
4.	No. of Matured Trees Available	508		
5.	CO ₂ absorption (Neutralization) due to Trees	11.07 Tons (2.1 % ↓)		
6.	CO ₂ absorption (Neutralization) due to SPV Plant	27.7 Tons (5.2 % ↓)		
7.	CO ₂ absorption (Neutralization) after implementing ENCON	79.1 Tons (14.8 ↓)		
8.	Amount of CO ₂ to be neutralized	415.8 Tons/Annum		

System Audited*	Systems Inspected
<ul style="list-style-type: none">Electricity Consumption	<ul style="list-style-type: none">E-Waste Handling and Management
<ul style="list-style-type: none">Diesel Consumption (Vehicle + DG)	<ul style="list-style-type: none">Chemical, Salts & Acids Used in Laboratories
<ul style="list-style-type: none">LPG Consumption for Cooking	


(* Audited and accounted for one year)

The detailed Environmental Analysis along with CO₂ estimation is presented in the Audit Report.

Thank You

Yours Truly,

M/s. Ramkalam - Centre for Energy
Consultancy & Training (RK-CECT),
No. 8, VPK Garden,
Velanaipatti, Coimbatore - 641 062.


(Dr. S.R. SIVARASU)
Dr.S.R.SIVARASU,M.E.,Ph.D.,
BEE Certified Energy Auditor
(EA-27299)

RAM KALAM-CENTRE FOR ENERGY CONSULTANCY & TRAINING

CHENNAI



COIMBATORE



ERODE

(Regt. Office. No. 8, VPK Garden, Coimbatore – 641 062,

Mobile: +91-99420 14544, 80567 19372, Email: ramkalamcect@gmail.com)

(GST No. 33AAZFR8890A1ZN)

CERTIFICATE

To whomsoever it may concern

This is to certify that, we have conducted a **Green Audit** in **M/s. Dhirajlal Gandhi College of Technology**, Opposite Salem Airport, Kamalapuram, Sikkampatty, Omalur, Tamil Nadu 636 309 on **16 December 2019**. This audit process investigates the following activities;

- I) Coverage of matured tree in and around the campus (for estimation of CO₂ neutralization).
- II) Implementation of Renewable Energy Sources for their regular activities.
- III) Assessment of 25 kW Rooftop Solar PV Plant (Grid Tied Model).
- IV) Treated water usage from Sewage Treatment Plant and Best Operating Practices followed.

The detailed Greenery assessment and Solar PV plant is presented in the Audit Report.

Thank You

Yours Truly,

M/s. Ramkalam - Centre for Energy
Consultancy & Training (RK-CECT),
No. 8, VPK Garden,
Velanaipatti, Coimbatore - 641 062.

(Dr. S.R. SIVARASU)

Dr.S.R.SIVARASU,M.E.,Ph.D.,
BEE Certified Energy Auditor
(EA-27299)