

# ENERGY AUDIT REPORT

**JANUARY 2019**

**SRI SHANMUGHA**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

SANKARI, SALEM



**Mangla Smart Energy Solutions Private Limited**

*Specialists in Renewable Energy & Energy Efficiency*

# **Energy Audit Report Of M/s Sri Shanmuga College of Engineering & Technology, Sankari, Salem**

Prepared by  
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## **For more information**

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## EXECUTIVE SUMMARY

An energy audit is an investigation of all facets of a user facility's historical and current energy usage with an objective of identifying and quantifying areas of energy wastage in its activities. The process of energy audit is the key to a systematic approach for decision-making in the area of energy conservation and energy management. The objective of the energy, power quality and thermography audit is primarily to assess the viability to upgrade the energy efficiency measures prior to investing extensive resources with a main focus on electrical and thermal energy. Upon completion of the audit process, the Energy Audit Team has worked out **4 Energy Conservation Action Plans** and the summary of all the **Energy Conservation Proposals (ENCONS)** are presented as follows:-

1. **Projected Annual Energy Savings of 40580 kWh**
2. **With the Annual Financial Saving to be achieved will be Rs. 3.45 Lakhs.**
3. **Total Investments to achieve the above Rs. 6.0 Lakhs.**
4. **With a Simple Pay Back Period of 1.74 Years.**
5. **Hence the Anticipated Total reduction in Annual Fuel Bills = 17.7%**

Audited By



Dr. R. Sivakumar

(BEE Certified Energy Manager –EA-6098)

Verified by

For MANGLA SMART ENERGY SOLUTIONS (P) LTD  
  
Authorised Signatory

Dr. Vimal Kumar Eswarlal

Mangla Smart Energy Solutions