

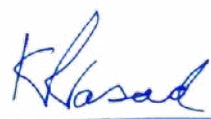
"Solutioning" in the Consultation/Training/Auditing

ENERGY AUDIT REPORT

SDUAHER



Submitted by
TULASI EOHS CONSULTANCY SERVICES



Registrar
Sri Devaraj Urs Academy of Higher
Education and Research
Tamaka, Kolar - 563 103.

This is to certify that the following utilities were carried out Energy audit in the month of June'2020.

Details of Facilities Audited Main building of Academy / Institution which includes Laboratories, Libraries, Hospitals, All departments and Hostel and Academy / Institution Canteen.



Dr. Vanisri Arunachalam



Er. C. Madhan Mohan

Authorized Signatory

For TULASI EHS CONSULTANCY SERVICES

Date: 29-06-2020

Place: Chennai

ENERGY AUDIT REPORT

2019-2020

Done by

Dr. A. Vanisri

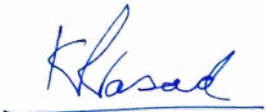
Er. C. Madhan Mohan

TABLE OF CONTENTS

S.NO	CONTENTS	No of sheets
1	INDEX	2
2	INTRODUCTION	3
3	SUMMARY	4
4	MEASURING EQUIPMENT SPECIFICATIONS	6
5	TOTAL AVERAGE RECORDINGS	9
	5.1 Total Recordings for four Hours Averaged over 15min	9
6	Annexure – (i) Extracts from IEEE 519.1992 (ii) Extracts from CEA regulation	12
7	TOTAL POWER REQUIERMENT OF VARIOUS EQUIPMENT	19
8	STATEMENT OF POWER GENERATION ❖ ENERGY SAVING STATEMENT USING SOLAR WATER HEATERS (Page-21). ❖ ENERGY SAVING STATEMENT USING LED LIGHTS (Page-24).	21
9	COST PER CAPITA	26
10	RECOMMENDATION/ CONCLUSION	33

Separately Enclosed- CD with soft copies of

1. Data recorded during specific load combinations


Registrar
Sri Devaraj Urs Academy of Higher
Education and Research
Tamaka, Kolar - 563 103.

8. STATEMENT OF POWER GENERATION

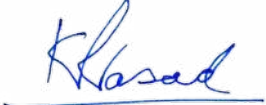
8.1- Statement power Generation by the “Solar Water heaters” in Campus during the year (2015~2019).

Sl. No	Description	2015	2016	2017	2018	2019
1	Energy Generated by each Panel per day in KW	4	4	4	4	4
2	Total energy generated per day in Kw	2520	2520	2520	2520	2520
3	Total energy generated in year approximately 250days in Kw	630000	630000	630000	630000	630000
4	Cost per unit as Bescom	8.00	8.00	8.00	8.00	8.00
5	Total Amount in Rs	5040000	5040000	5040000	5040000	5040000

With a minimum 10 panels “Total energy generated in year approx. 250days in Kw” is 10000 @ Ladies hostel.

8.4- Statement power Generation by the “LED Lamps” in Campus during the year (2015~2019),

Sl No	Description	2015	2016	2017	2018	2019
1	No of 20 watt Led Lamps replaced in place of 40 watt Fluorescent lamp	316	3136	5331	5446	6850
2	Total energy conservation per hour in watts (Including all the building)	6320	62720	106620	133320	168400
3	Average use per day considered 8Hours per day in KWH unit	50.6	501.76	852.96	1066.56	1347.2
4	Energy conservation per year(365Days)	18454.4	183142.4	311330.4	318046.4	400040.0
5	Rate /Unit	8.00	8.00	8.00	8.00	8.00
	Total Amount in Rs	147635.00	1465139.00	2490643.00	2544371.00	3200320.00


 Registrar
 Sri Devaraj Urs Academy of Higher
 Education and Research
 Tamaka, Kolar - 563 103.

Certificate of Compliance

ENERGY AUDIT REPORT

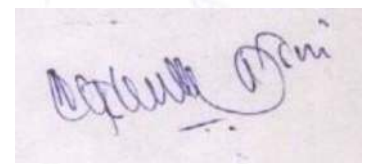
of

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH,

Post Box No 62, Tamaka, Kolar- 563103.

This is to certify that an Energy Audit of SDUAHER campus has been conducted by Dr. Vanishri Arunachalam and Mr. C. Madhan Mohan of M/s Tulasi EOHS Consultancy Services on 29th June 2020.

The Audit Report has been found to be satisfactory.



Mr. Anil Patil Kulkarni
Managing Director



ACM Certification Pvt. Ltd.

No. 811, Anand Mangal-3, Opp Doctor House Lane, Nr. Parimal Under Bridge, Ambawadi
Ahmedabad, Gujarat- 380 006. e-mail: info@acmcertifications.com | www.acmcertifications.com