

SHREE CHAITANYA ELECTRICAL ENGINEERS & CONTRACTORS

Licenced Electrical Contractors

Shop No.4, Muncpal Shoping Centre, Somwar Peth, Karad. 415110.

☎ : 222171, 99701 72371

Ref No. CE/Gen/578

Date : 18-Jan-23

To,
The Principal
Mahila Mahavidyalay, Karad

A. Total annual Lighting requirement

Sr	Item	Quantity	Watt	Hours /day	Annual Days	Total KWH
1	Tubes	45 Nos	40	5	250	2250
2	Tubes	29 Nos	28	4	300	974
3	Led	58 Nos	14	5	250	1015
4	Area Lighting LED	6 Nos	15	12	300	324
Annual Lighting requirement						4563 KWh

- * Annual Lighting requirement **4563 KWh**
- * Annual Lighting requirement by LED $1015+324$ **1339 KWh**
- * Percentage of annual lighting requirement of institution met LED bulbs **29 %**

B. Total annual Power requirement

Sr	Item	Quantity	Watt	Hours /day	Annual Days	Total KWH
1	Lighting Load					4563
2	Ceiling Fans	66 Nos	70	5	70	1617
3	Desktop PC	7 Nos	150	8	250	2100
4	laptop	13 Nos	100	1	250	325
5	Printer	14 Nos	500	0.5	250	875
6	Interactive board	10 Nos	700	0.5	250	875
7	Desktop PC	28 Nos	150	2	250	2100
8	Fan	30 Nos	70	12	280	7056
9	Waterpump	2 Nos	800	4	250	1600
Total annual Power requirement						21111 KWh

Total annual Power requirement met by renewable energy

- 1 Solar Water heater
2000Ltrs/day **50 KWh** **300** **15000 KWh**

- * Annual power requirement **21111 KWh**
- * Annual power requirement met by renewable energy source **15000 KWh**
- * Percentage of annual power requirement of institution met by renewable energy source **71 %**


IQAC Co-ordinator
Mahila Mahavidyalaya, Karad


Principal
Mahila Mahavidyalaya, Karad