

7.1.2

***The Institution has the
Facilities and Initiatives
for
Alternate Sources of
Energy
and
Energy Conservation
Measures***



Trimurti Shikshan Prasarak Mandal's,

Trimurti Institute Of Pharmacy

Paldhi B.K., Tal-Dharangaon, Dist-Jalgaon, M.S. 425103

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PRINCIPAL
Principal
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Tal.Dharangaon.Dist.Jalgaon

Generator





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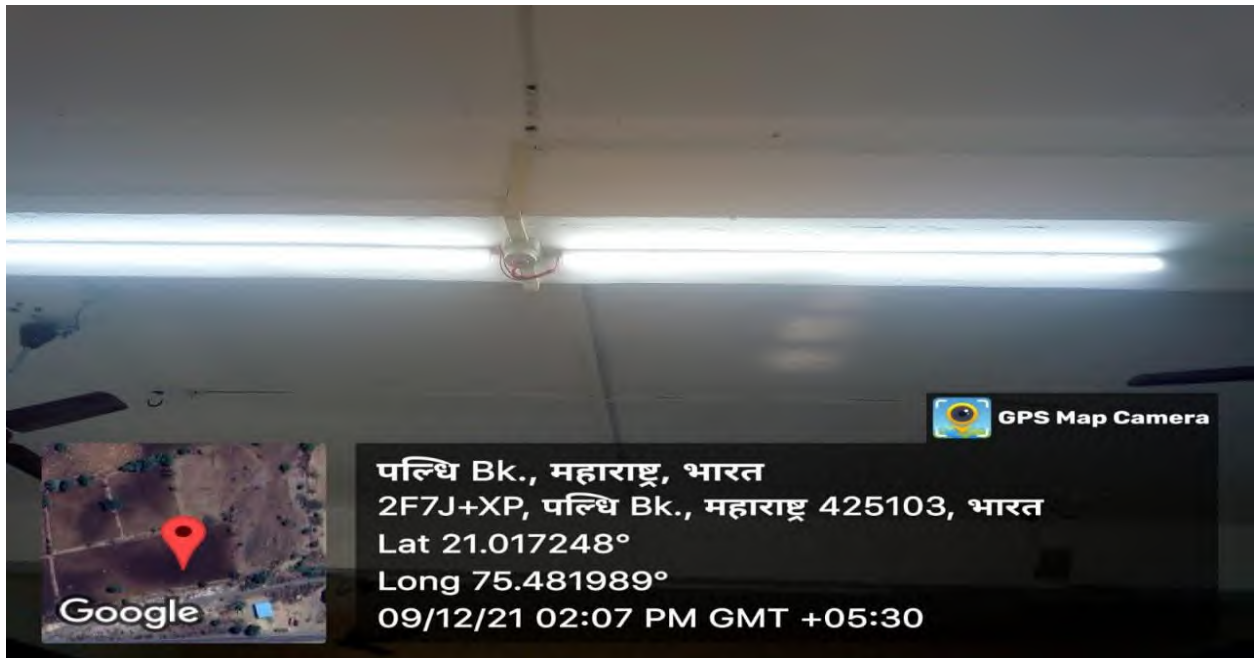
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LED Bulbs





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Solar Energy:

7.1.2.1 Table of Solar Power Plant Specifications and Energy Consumption

No of Photo Voltaic Cells	Each Cell Energy Produced	Total Power Produced	Inverter Specifications
40	540 WP	$P = (40 \times 540) = 21,600 \text{ W}$ 21.6 KW	DC-AC Converter – 21.6 KW Max I/P: 1500 V DC Rated Vtg: 750 V DC Rated Power: 21,000 Watts


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Transformer	Technical Specifications	Standard Value	Difference
13 KV / 433V	Type : Out door Rated KVA: 63 Rated Voltage: HV 11KV LV 433V Rated Current: HV 3.306A LV 84.00A	Power Factor: 0.8 Transformer: 11KV / 433 V Solar Inverter: 1000V / 600V 15,000 Watts	Transformer PV KVA – KVA 18750 KVA – 11000 KVA = 7750 KVA/0.8KW Total Full Load Power Saved = 6200 Watts



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Photos



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