



INDIAN INSTITUTE OF TECHNOLOGY, MADRAS

# SOLARIZE PROJECT

## 1995, 1975 BATCH

Solar Roof top for hostels Tunga, Bhadra, Sabarmati and Central Library



## **OVERVIEW:**

The Rooftop Solar Power Plant at IITM Hostels, viz. Tunga, Bhadra and Sabarmati and Central Library was set up through the contributions of batch 1995 and 1975. The plant was inaugurated on 19th of July 2018 at Sabarmati Hostel, IIT Madras, by Mr. R. Nagarajan, Dean I & AR.

The total capacity of the installed is 184.14 KW and it generates about 825 KWH energy per day.

The annual savings of total installed capacity of the plant is *Rs.25.20 Lakhs*.





**CAPACITY BIFURCATION OF THE PLANTS:**

<b>Hostel</b>	<b>Capacity</b>
Rooftop capacity of Tunga	37.62 kW
Rooftop capacity of Bhadra	37.62 kW
Rooftop capacity of Sabarmati	37.62 kW
Rooftop capacity of Central library	71.28 kW
<b>Total Plant capacity</b>	<b>184.14 kW</b>



**SOLAR PANELS ACROSS THE CAMPUS:**

Most of the buildings at IIT Madras campus are powered by Solar Panels, an initiative towards the energy conservation. Located amidst beautiful flora and fauna, IITM focuses on conserving the environment and reducing the carbon footprint.

The Solar Panels have a total capacity of about 3.2 M.W and it generates about 3 Lakh K.W.H units of energy in a month.

This is highly economical and has contributed to a high savings in terms of energy as well as monetary.



A heartfelt gratitude to all the contributors towards the Solar Panels, it has indeed made a lot of difference.

***Thank you!***

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