

7.1.2:

The Institution has facilities for alternate sources of energy and energy conservation measures

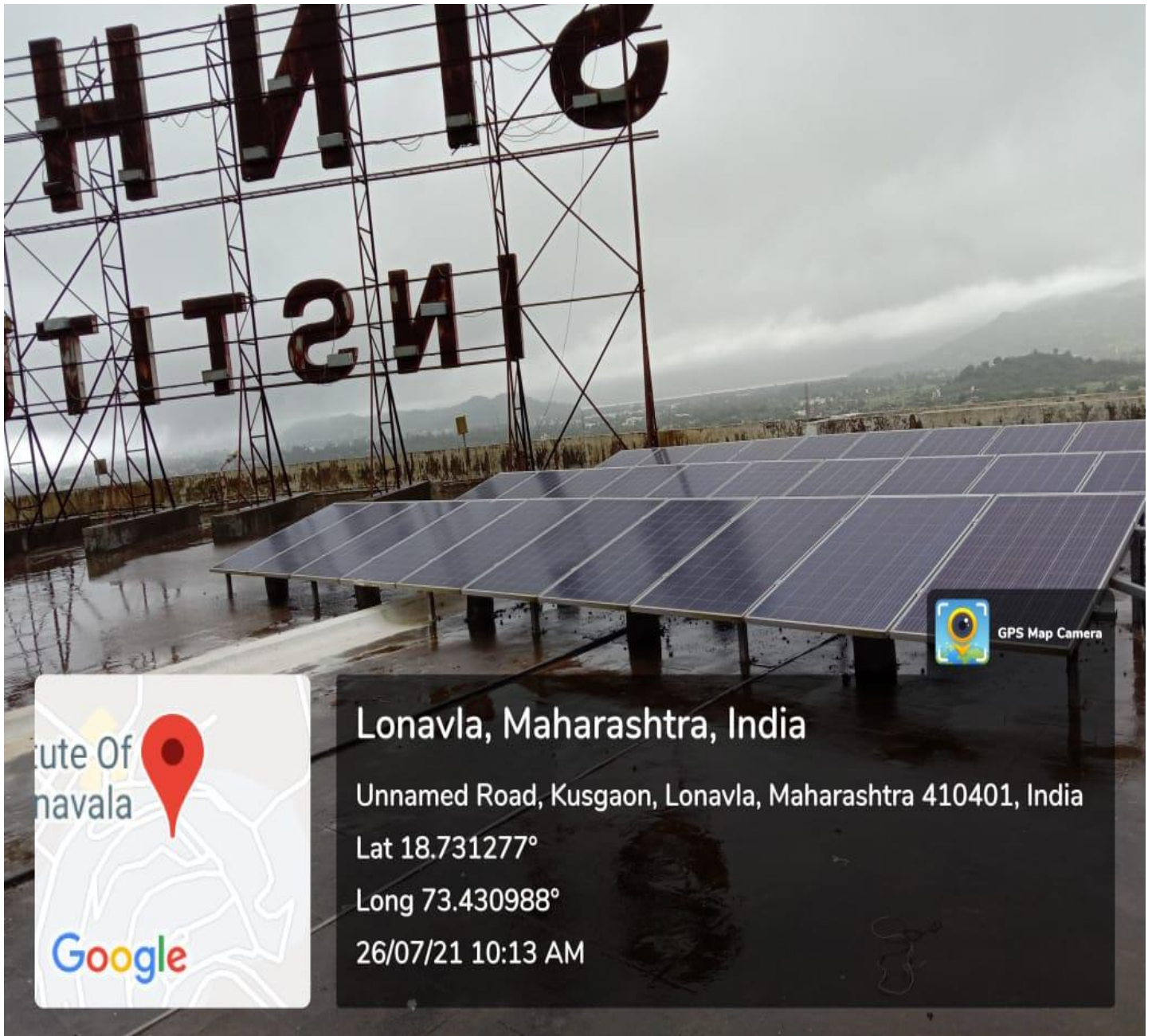
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1. **Solar energy (Y)**

SOLAR POWER PLANT (10 kW)

Brand: 1. GK Energy Marketrers and 2. Waree Energies Limited, Surat



Solar Power Plant (10 kW)

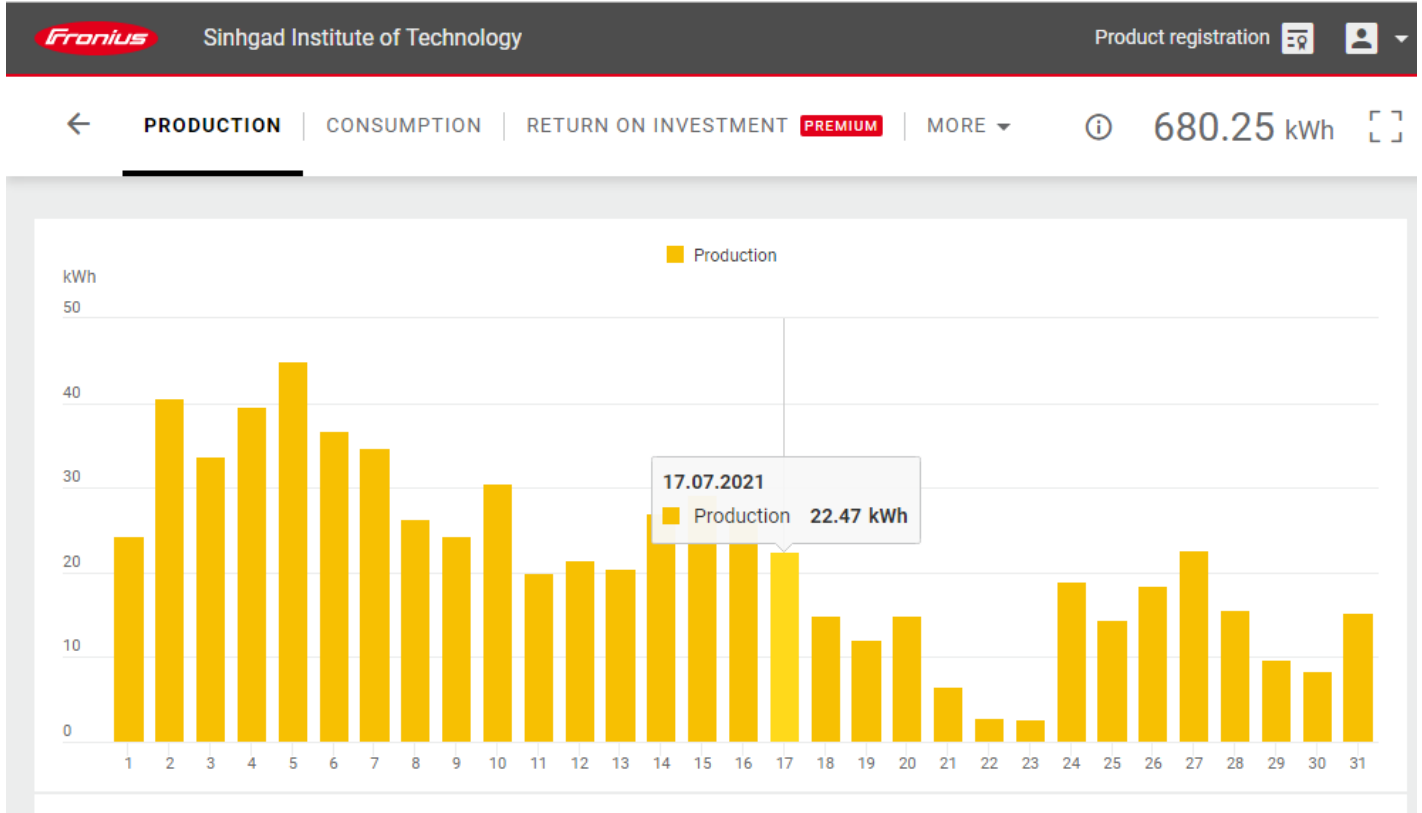
Incoming-Convertor-Outgoing

From right to left: **1. A C Distribution Borad,** **2) Convertor,** **3) D C Distribution Board**

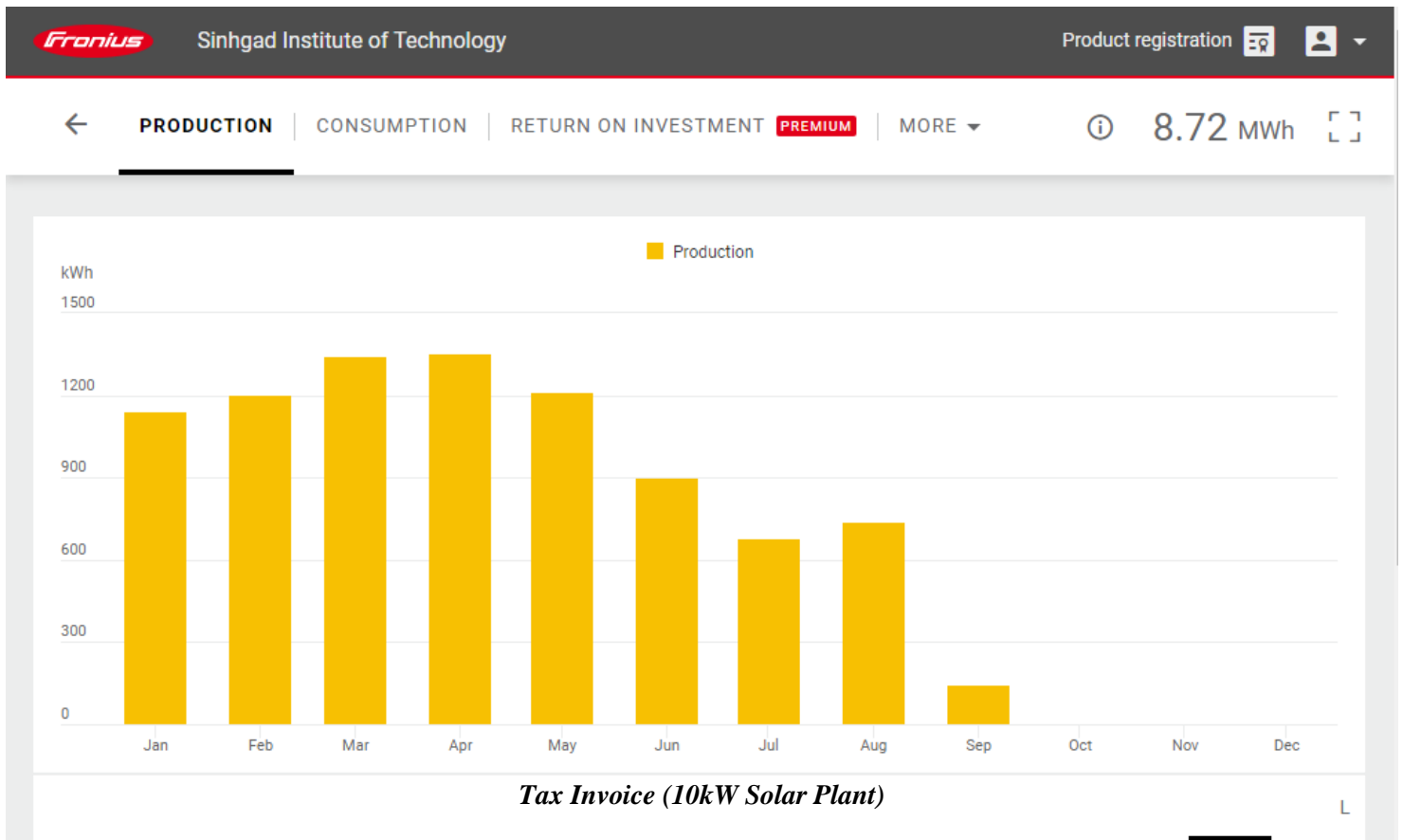


Incoming-Convertor-Outgoing

Daily Generation Sample



Monthly Generation Sample (July 2021)



Tax Invoice (10kW Solar Plant)

Annual Generation

2. Solar Thermal:

BRAND Name: Anant Urja, Chaitanya Saur Urja, Recold Thermo Ltd, Nespal Air Water Heater



Solar Thermal

3. **Wheeling to the Grid :**

BRAND NAME: Fronius Symo

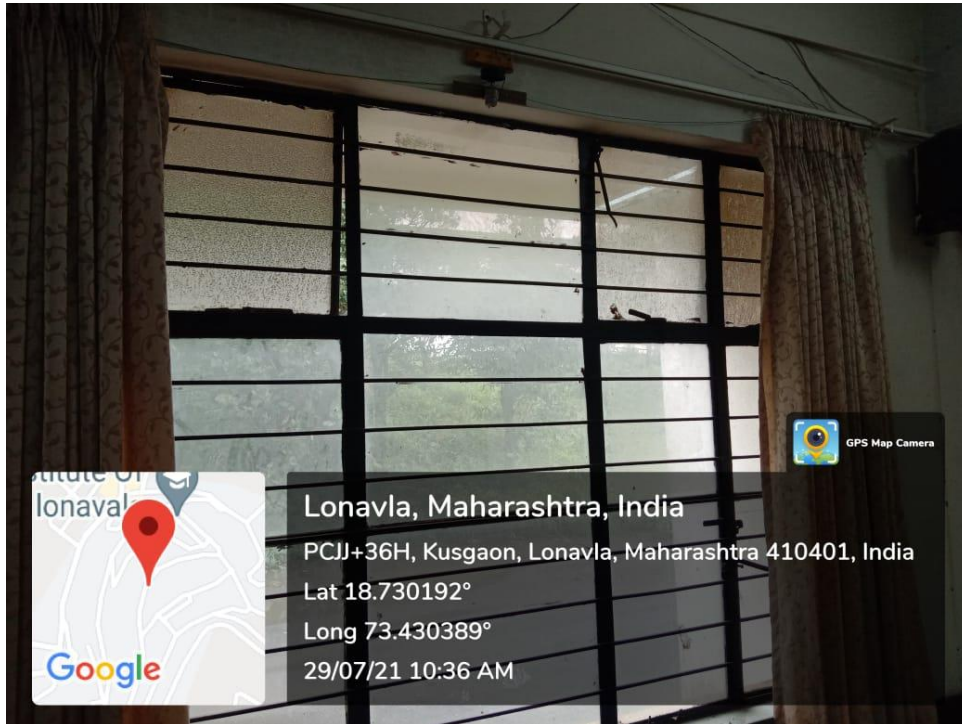


Generation Display

4. Sensor-based energy conservation (Y)



SMART CLASS ROOM-CURTAIN

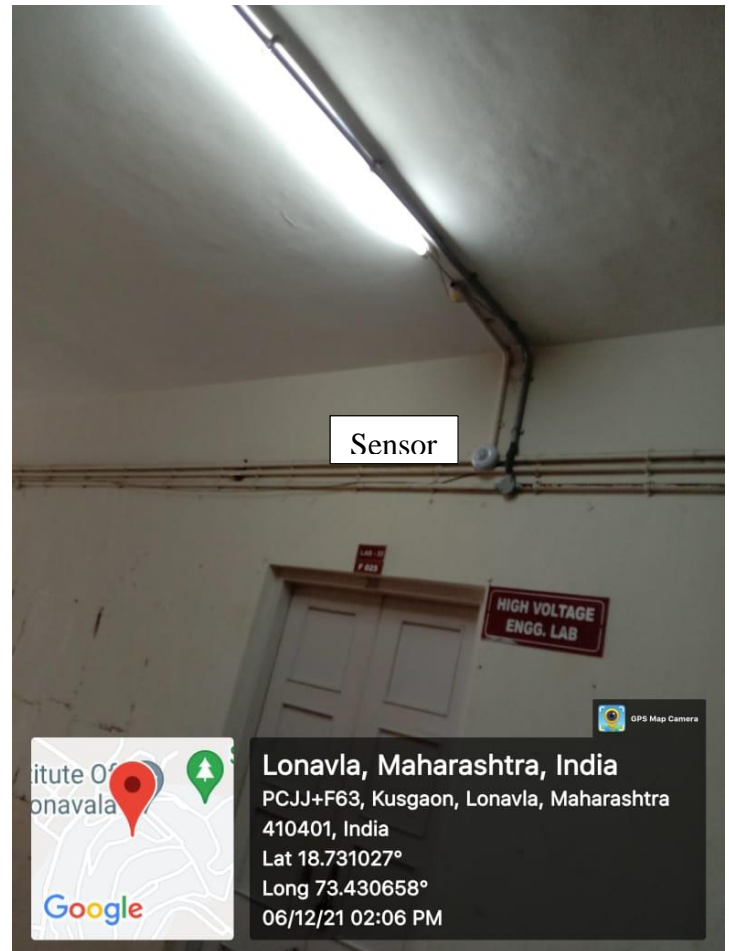
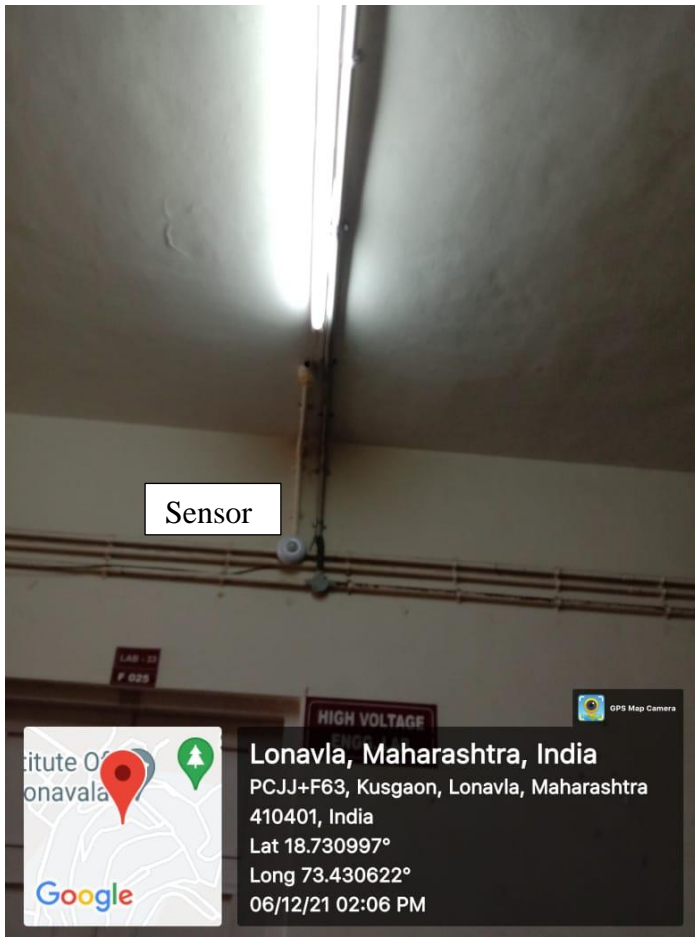


SMART CLASS ROOM : PIR-Kit



Sensor based Tube-lights in corridor:

Brand name: Photosensitive PIR Device Ceiling Type BT31C HSN No. 903180



5. Use of LED bulbs/ power efficient equipment(Y)

SPORTS Complex, Sinhgad Institutes, Lonavala

Brand Name: BJFL 100W, BCLSB 18W, Downlighter HSN Code:94051090

