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7.4.4 Support to Government in Clean Energy



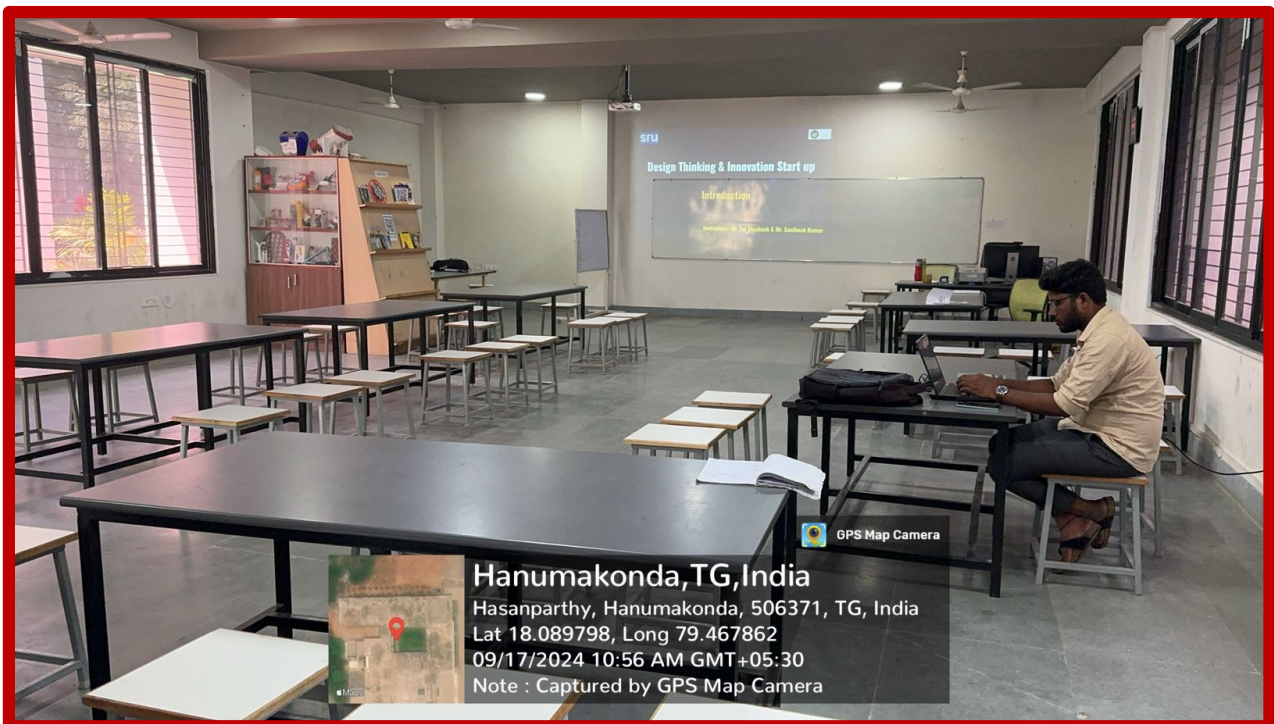
7.1 Institutional Values and Social Responsibilities

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

5. Use of LED bulbs/power-efficient equipment:

The classrooms and office rooms in the academic blocks of SRU are furnished with BLDC (Brushless Direct Current Motor) fans and LED (Light Emitting Diode) lights

Geo Tagged Photos



Design Thinking room with Natural Lighting



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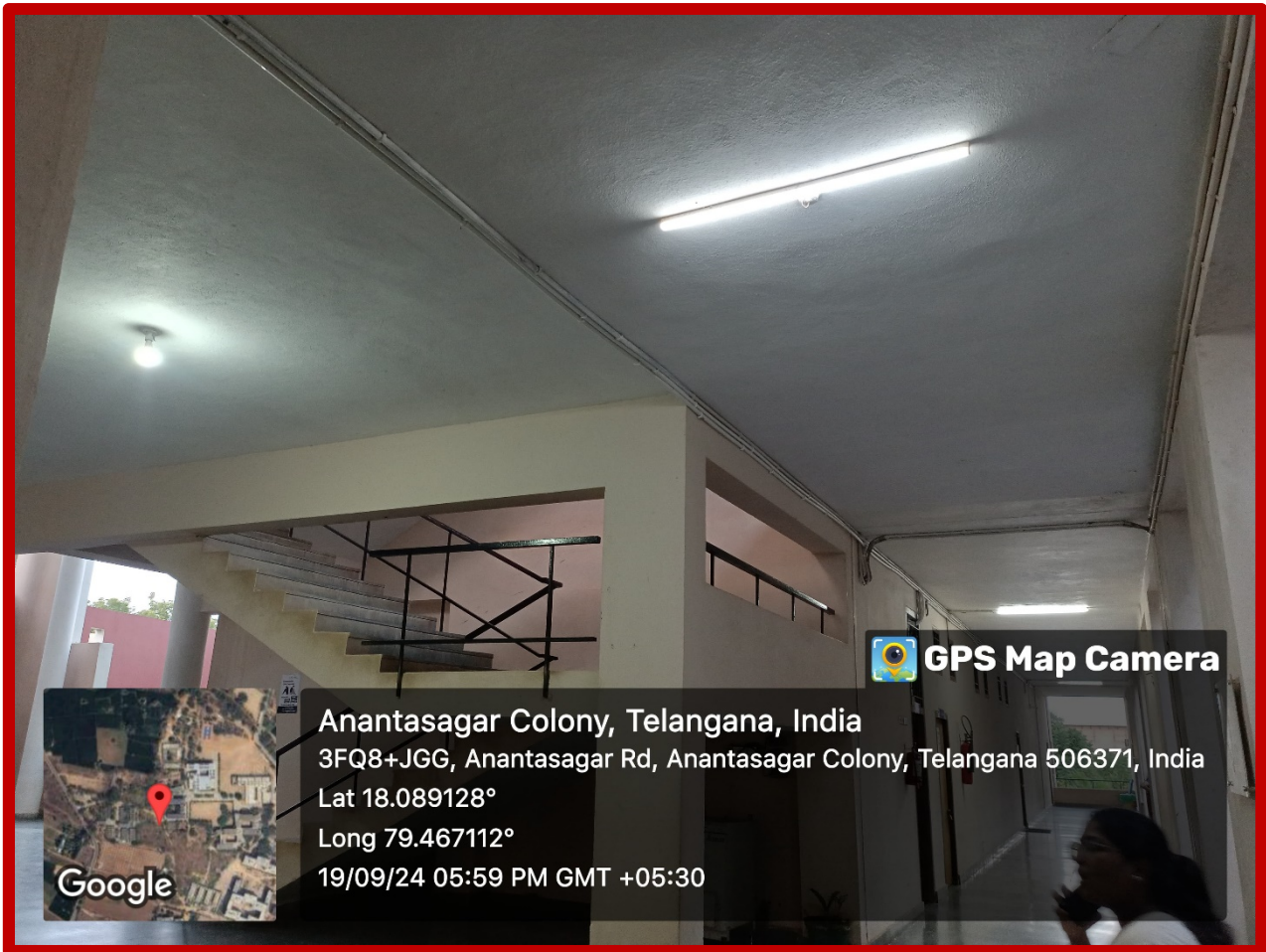
LED Bulbs and Energy Saving BLDC fans in University Library



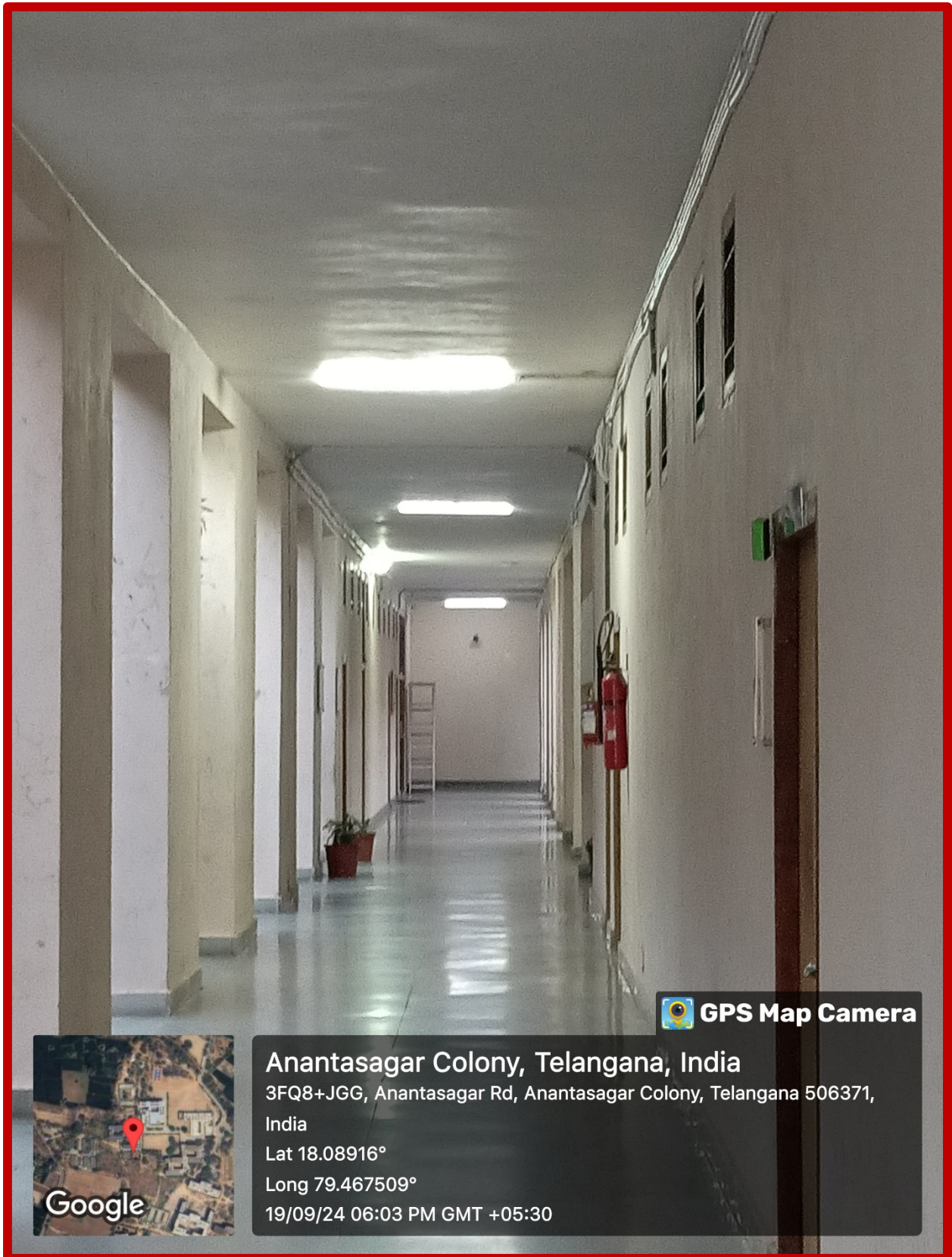
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LED Bulbs and Energy Saving BLDC fans in Staff Room



LED Bulbs in all Common areas



 **GPS Map Camera**



Anantasagar Colony, Telangana, India
3FQ8+JGG, Anantasagar Rd, Anantasagar Colony, Telangana 506371,
India
Lat 18.08916°
Long 79.467509°
19/09/24 06:03 PM GMT +05:30

LED Bulbs in Corridors



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

3. Wheeling to the Grid

- These SPV systems generate power during the daytime, which is fully utilized to power campus internal loads and feed excess power (wheeling to the grid) as long as the grid is available.
- In cases where solar power is not sufficient due to cloud cover, etc., the campus loads are served by drawing power from the grid.
- SRU exported 23754 kwh (Units) to TSNPDCL Grid during the academic year 2022- 23.

Renewable Energy Exporting to Grid Report:

Academic Year: 2022- 23		
S. No	Month	Solar Generation (kwh)
1	May-23	3029
2	Apr-23	33
3	Mar-23	1449
4	Feb-23	2506
5	Jan-23	3092
6	Dec-22	1616
7	Nov-22	2669
8	Oct-22	3593
9	Sep-22	1616
10	Aug-22	1852
11	Jul-22	1029
12	Jun-22	1270
Total Export		23754


REGISTRAR
SR UNIVERSITY
(V) Ananthasagar, (M) Hasanparthy,
Dt: Warangal - 506371, T.S.



Geo-tagged Photos



Connecting On-Grid to Inverter



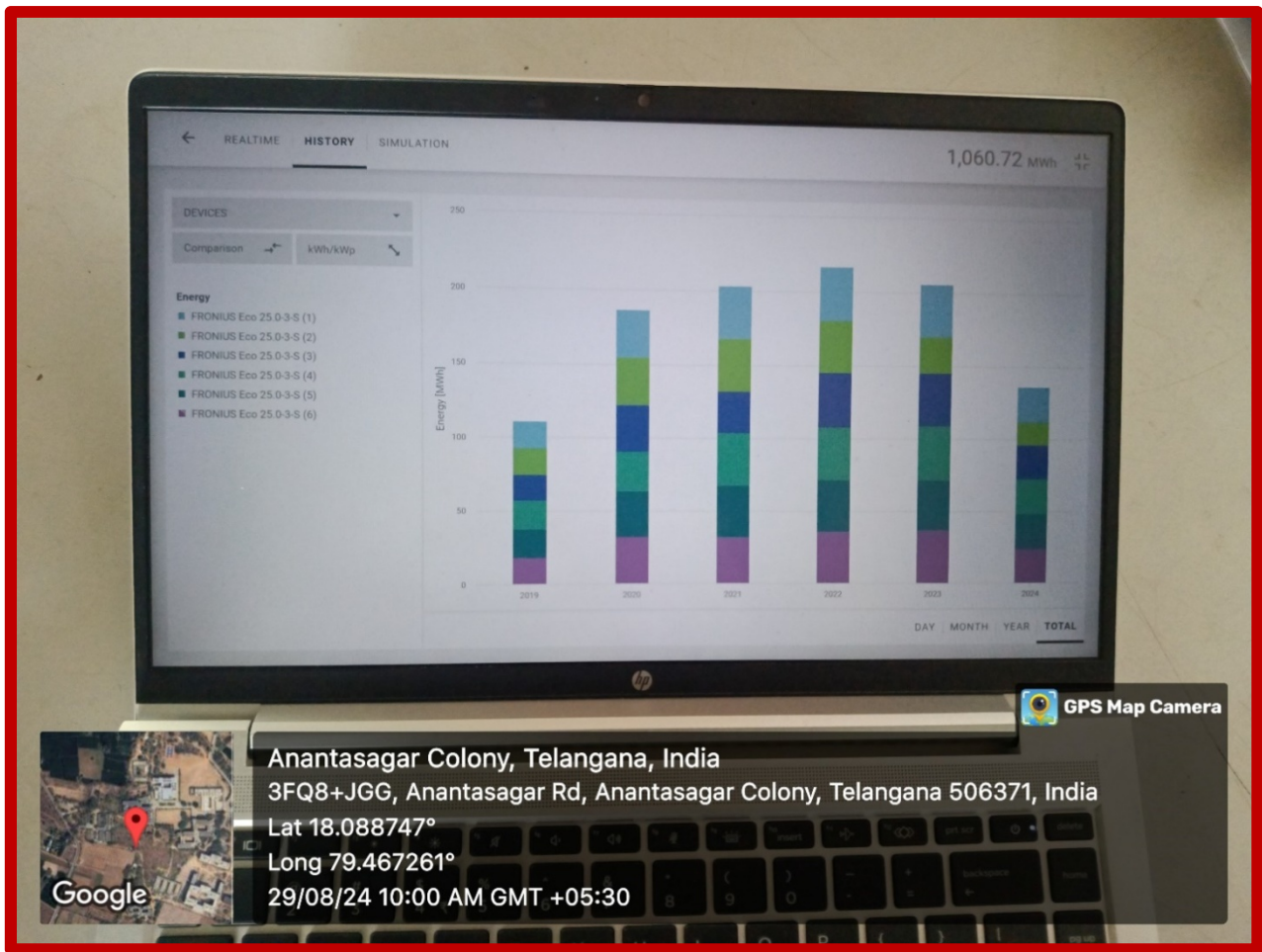
Connecting the Solar power to the Grid



On-Grid to Inverter



On-Grid to Inverter



Solar-Log for renewable energy readings

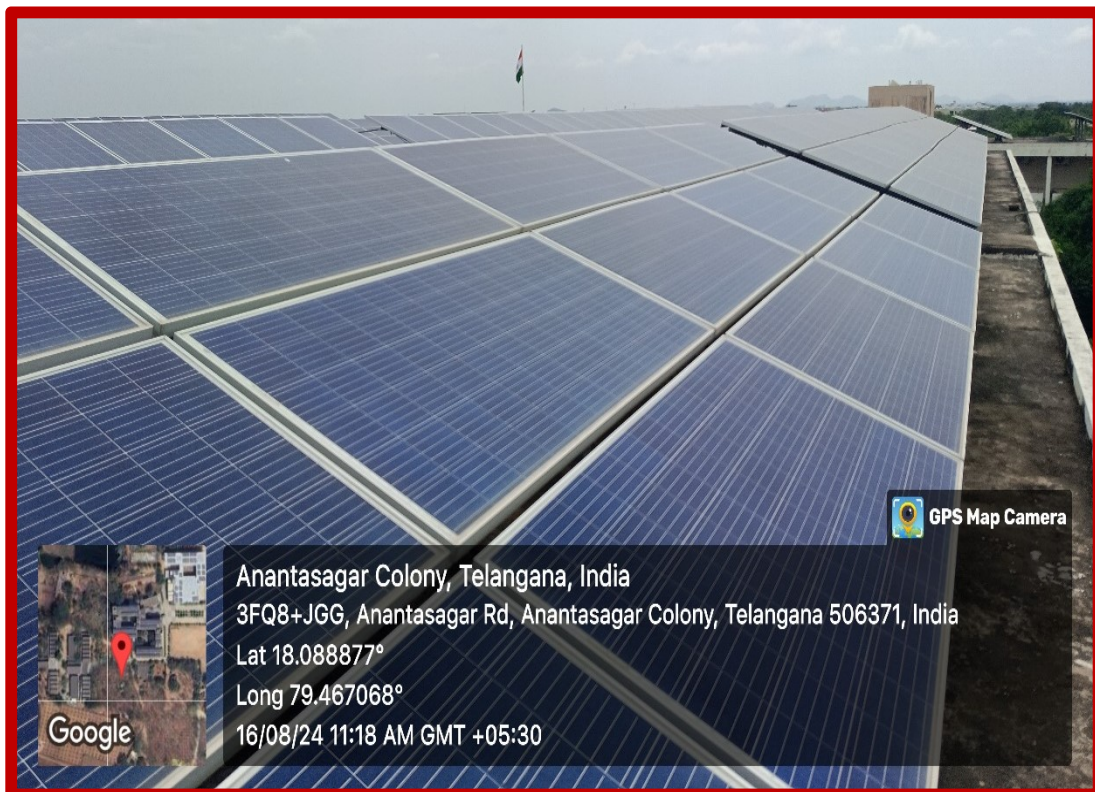


7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures.

1. Solar Energy

- SRU established Grid-Connected Rooftop Solar Photovoltaic (SPV) systems on roofs of academic buildings.
- The DC power generated from the SPV panels is converted to AC power using Power Conditioning Unit (PCU) / Grid-tied Inverters, and it is fed to the 33 kV three-phase grid lines with a capacity of 1858.08 kWp of the system installed at the institution.
- Solar Energy generated for the academic year 2022 – 23 is 216980 kwh

Geo-tagged Photos



Grid-Connected Rooftop Solar Photovoltaic (SPV) Systems at Block 1



Grid-Connected Rooftop Solar Photovoltaic (SPV) Systems at Block 1



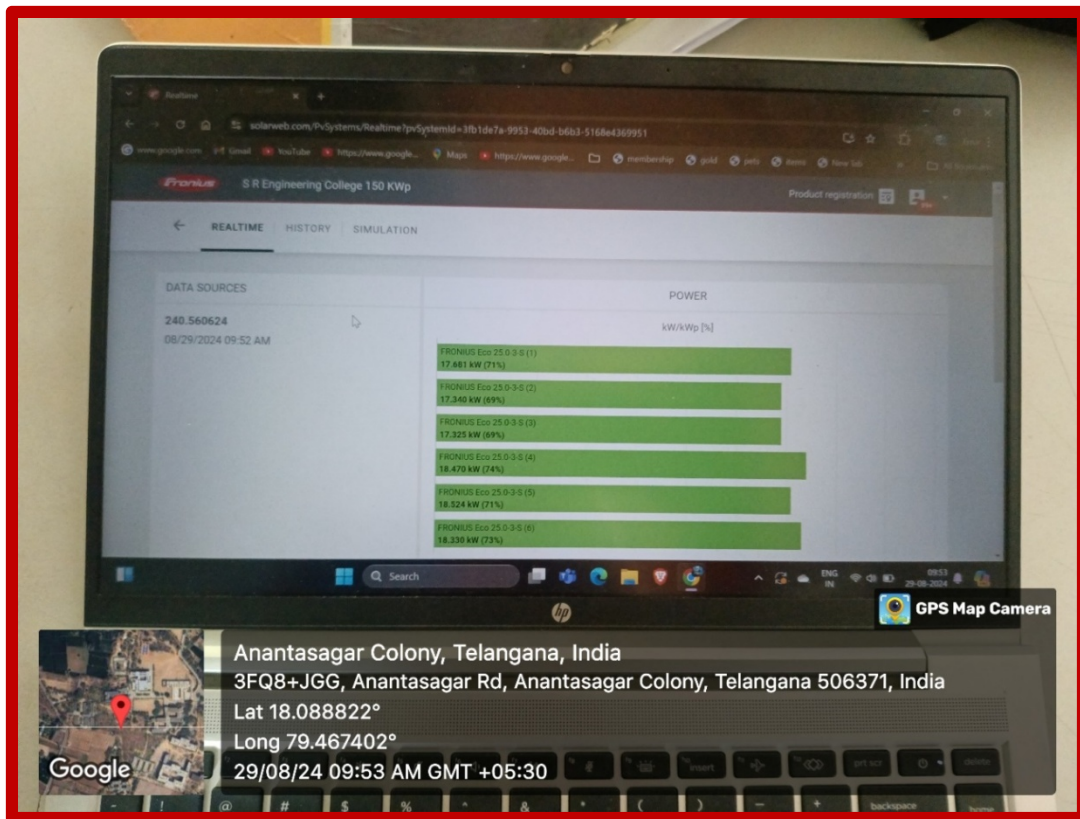
Grid-Connected Rooftop Solar Photovoltaic (SPV) Systems at SRIX



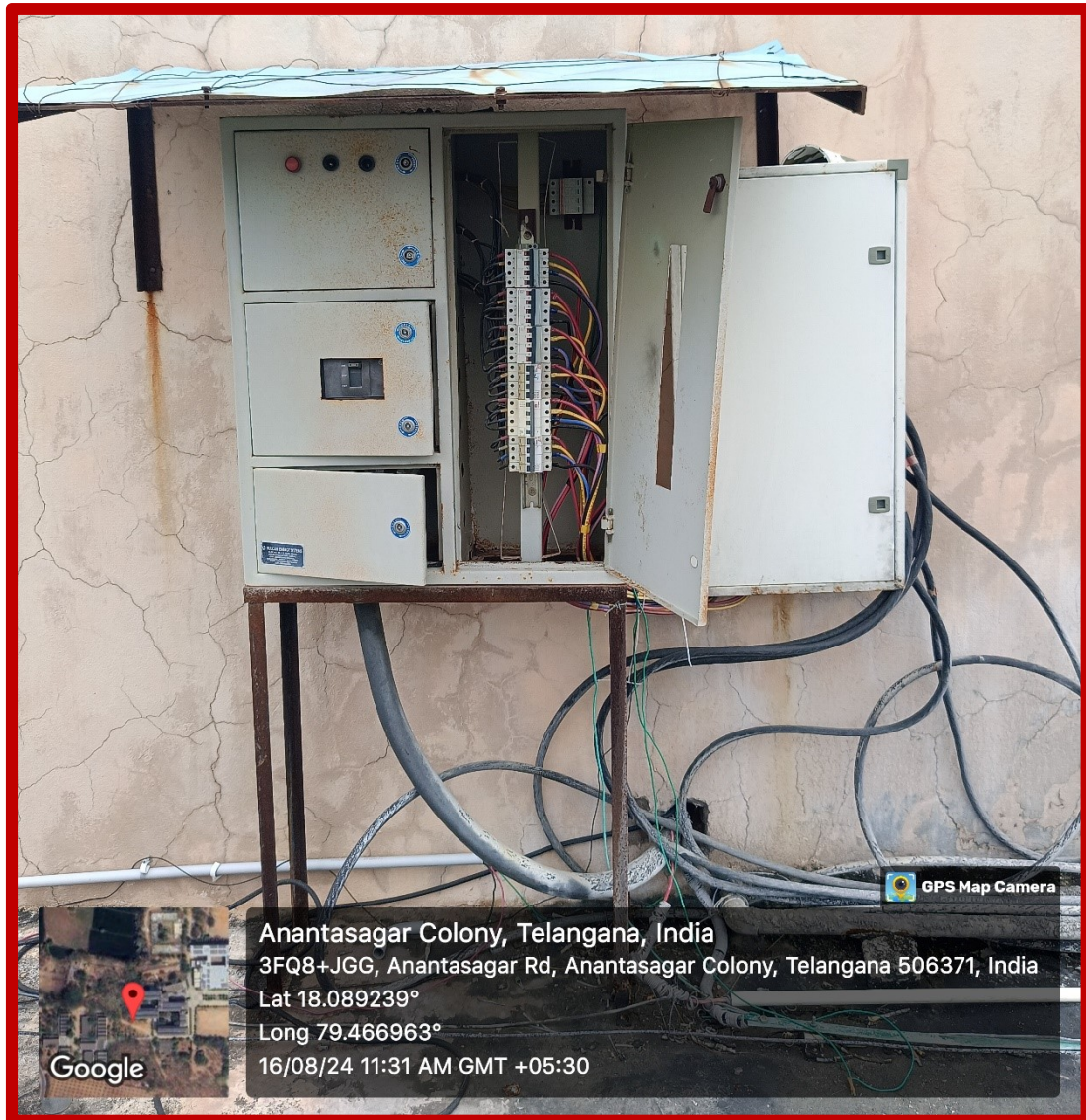
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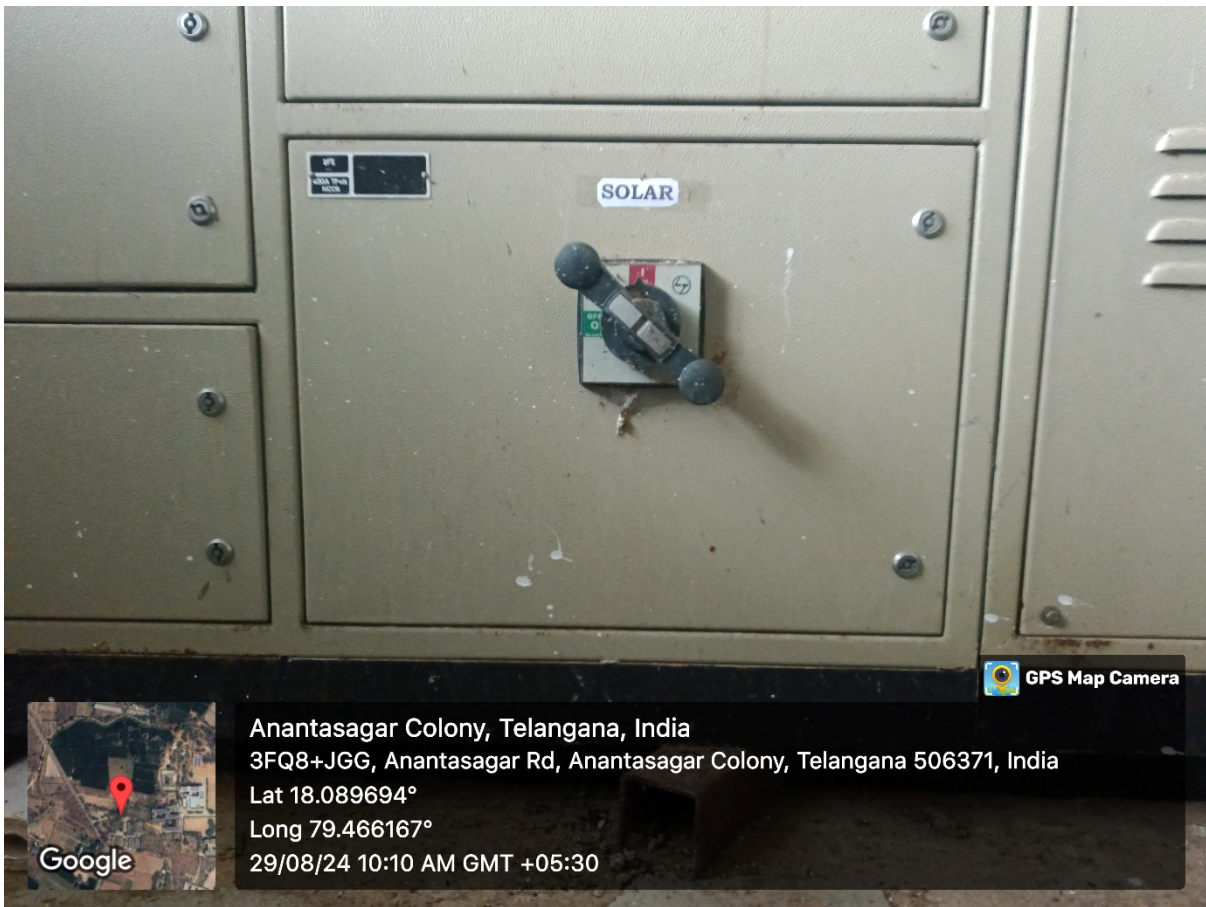
Grid-Connected Rooftop Solar Photovoltaic (SPV) Systems at SRIX



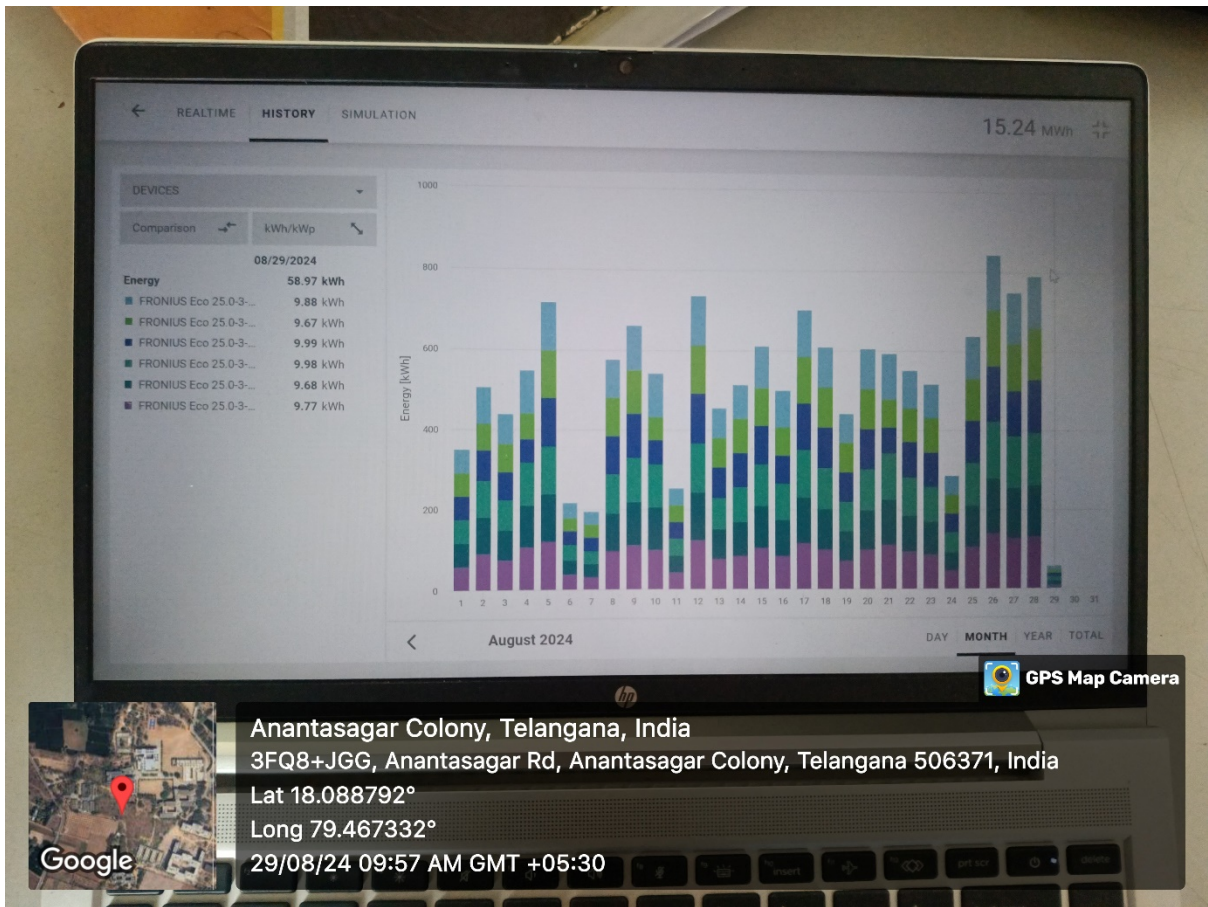
Measurements of Real time Production of Solar power



Connecting On-Grid to Inverter



Control Panel of Solar Power



Solar-Log for renewable energy readings