Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES
(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)
MoE, UGC & AICTE Approved
NAAC A++ Accredited

Energy Generated through Renewable Sources

Number of renewable energy sources on campus	**<u>34 No.s</u>** **[4 No.s of Solar Power Plant +** **30 Solar Water heaters]**
Amount of the Energy Produced	**<u>1,704,783.71 kWh</u>** **[87,473.71 kWh + 24,388 kWh + 38,829 kWh + 8,375 kWh + 15,45,718 kWh]**





95kW Solar Power Plant in Admin Block: 87,473.71 kWh





20kW Solar Power Plant in EVR/Oprah Mess Building: 24,388 kWh





87,600 LPD Solar Water heating system (30 Nos): 15,45,718 kWh

Karunya Institute of Technology and Sciences (KITS) encourages the use of energy-efficient equipment and has made steps to upgrade antiquated infrastructure to make it more energy-efficient. The University follows a robust policy to ensure that all renovations / new builds are following energy efficiency standards. The constant monitoring of the policy in the campus has resulted in decrease of Carbon emissions, optimizing the electricity consumption and minimizing wastage by using energy efficient fixtures and reducing the running cost.

Solar Power Generation from 95kW Solar Power Plant in Admin Block

Sl.No	Month	Solar Power Generation in kWh
1	Apr'2024	2227.71
2	May'2024	2628
3	Jun'2024	3210
4	Jul'2024	6530
5	Aug'2024	8323
6	Sep'2024	9378
7	Oct'2024	8098
8	Nov'2024	3899
9	Dec'2024	5211
10	Jan'2025	11759
11	Feb'2025	12607
12	Mar'2025	13603

Solar Power Generation from 20kW Solar Power Plant in EVR/Oprah Mess Building

Sl.No	Year	Solar Power Generation in kWh
1	Apr'2024	1949
2	May'2024	429
3	Jun'2024	3270
4	Jul'2024	1348
5	Aug'2024	2034
6	Sep'2024	1923
7	Oct'2024	1885
8	Nov'2024	1890
9	Dec'2024	1966
10	Jan'2025	2179
11	Feb'2025	2720
12	Mar'2025	2795

Solar Power Generation from 95kW Solar Power Plant in the CTC Building

SL.No	Month	Units Generated
1	May'2024	7,863.90
2	Jun'2024	7,611.50
3	July'2024	5,972.90
4	Aug'2024	7,130.50
5	Sep'2024	10,250.20
Total		38,829.00

Solar Power Generation from 50kW Solar Power Plant in EGR Hostel Building

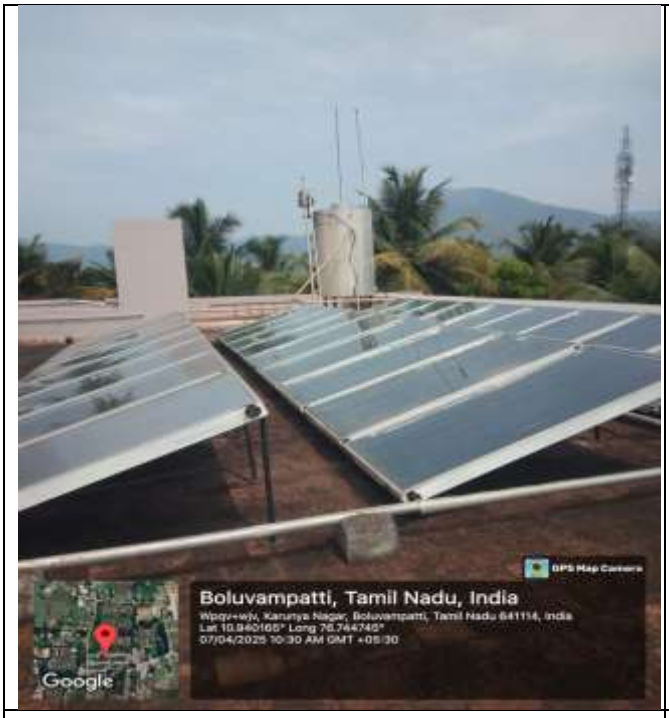
SL.No	Month	Units Generated
1	May'2024	8,375
2	Jun'2024	
3	July'2024	
4	Aug'2024	
5	Sep'2024	

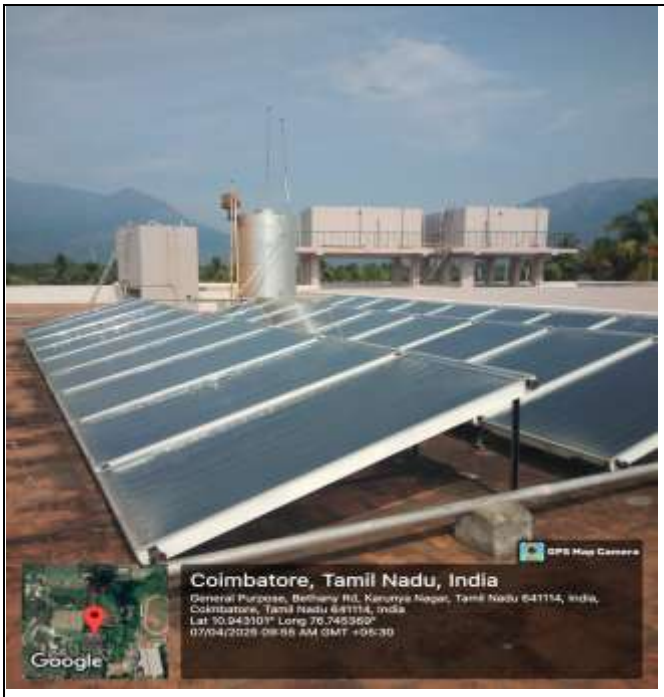
The institution encourages the use of energy-efficient equipment and has made steps to upgrade antiquated infrastructure to make it more energy-efficient. The University follows a robust policy to ensure that all renovations / new builds are following energy efficiency standards. The constant monitoring of the policy in the campus has resulted in decrease of Carbon emissions, optimizing the electricity consumption and minimizing wastage by using energy efficient fixtures and reducing the running cost.

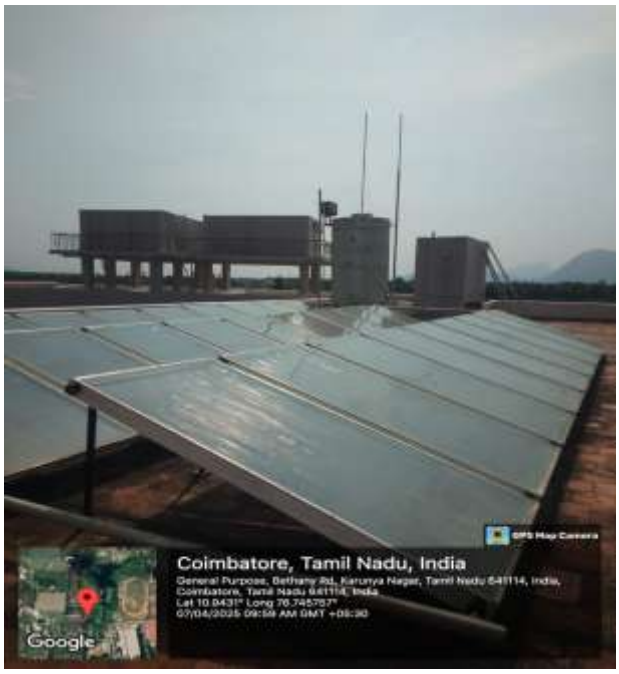
- As part of energy conservation initiatives, a functional 95 kW solar power plant, 20kW solar power plant, 30 solar water heaters, 15,288 LED lights are in place saving approximately 42,47,020 units/annum.
- For water conservation, treatment and management, 33 rainwater harvesting units and a 25,000 litres capacity ferro-cement tank for rainwater harvesting are in operation.
- To recycle and reuse wastewater, 5 Sewage Treatment Plants-STPs are installed on campus and the treated water is used for farming and gardening.
- Another initiative in managing wastewater in the students residences is the replacement of septic tanks with four biogas plants that generate 114kg/day of cooking gas, thereby reducing the consumption of LPG.
- An eco-friendly paper recycling unit converts 150-200 kg of wastepaper into compact boards, files and writing pads.

Locations of the Solar Power Plants across the Campus

<table>
<tr><th colspan="2">JMR BLOCK</th></tr>
<tr><td>
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<tr><td>WEST SIDE</td><td>EAST SIDE</td></tr>
<tr><th colspan="2">JVR BLOCK</th></tr>
<tr><td>
</td><td>
</td></tr>
<tr><td>WEST SIDE</td><td>EAST SIDE</td></tr>
<tr><th colspan="2">BRR BLOCK</th></tr>
</table>

	
WEST SIDE	EAST SIDE
JMR BLOCK	
	
WEST SIDE	EAST SIDE
BYR BLOCK	





Hepzibah Block

WEST SIDE



CENTRE SIDE



EAST SIDE



Angelina Block

WEST SIDE



EAST SIDE



FDR Block

WEST SIDE



EAST SIDE



EAST SIDE

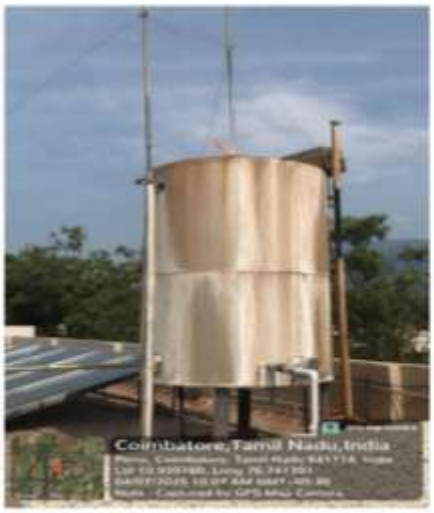


EGR Block

WEST SIDE



EAST SIDE



EAST SIDE



SPR BLOCK



DMR Block

WEST SIDE

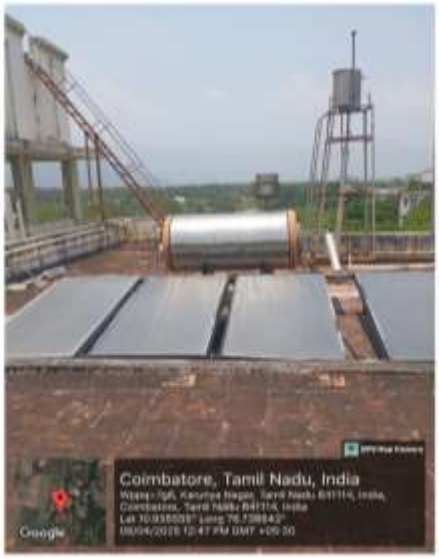


WEST SIDE



OPRAH Block

NORTH SIDE



NORTH SIDE



EVR Block

EAST SIDE



EAST SIDE

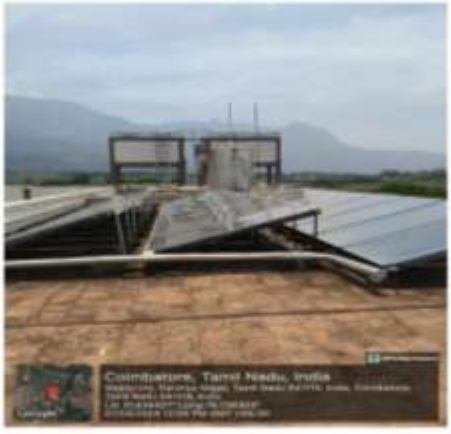


SRR Extension Block

NORTH SIDE



WEST SIDE



PRGR BLOCK	SRR BLOCK

Boluvampatti, Tamil Nadu, India Wpqq+7p8, Siruvani Main Rd, Karunya Nagar, Boluvampatti, Tamil Nadu 641114, India Lat 10.937802° Long 76.739436° 07/04/2025 01:34 PM GMT +05:30 Google	Coimbatore, Tamil Nadu, India Wppq+vrc, Karunya Nagar, Tamil Nadu 641114, India, Coimbatore, Tamil Nadu 641114, India Lat 10.938443° Long 76.738625° 07/04/2025 12:52 PM GMT +05:30 Google