7.1.2 Geotagged Photograph of Solar Panel

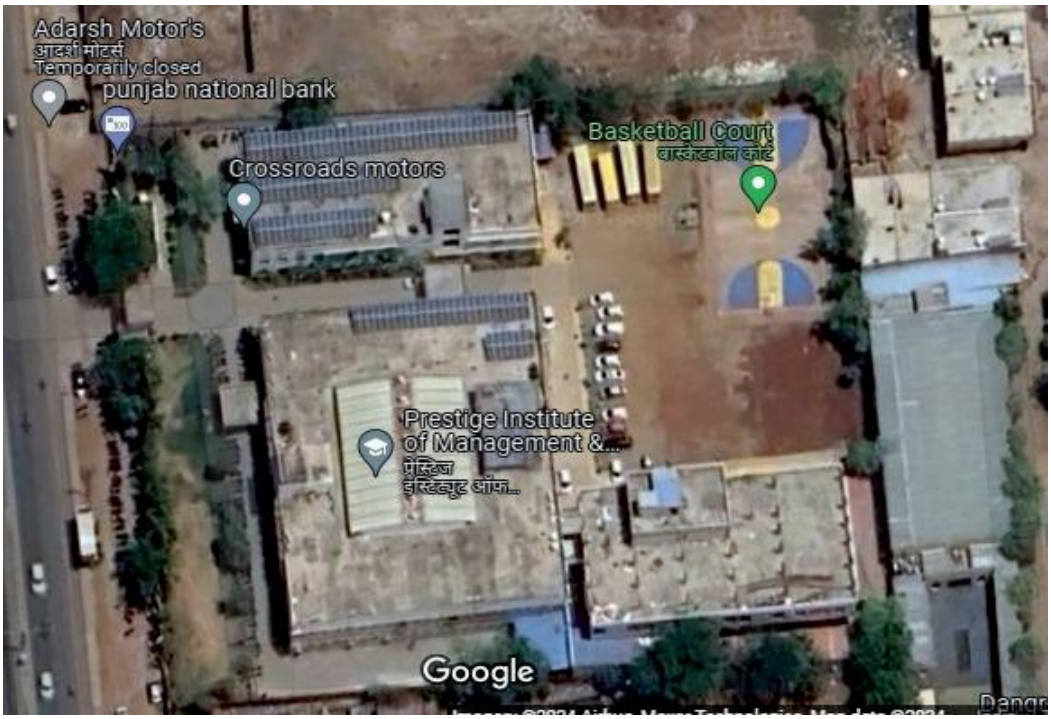
A. Roof top Solar Panel

PIMRG has been taken initiative in the field of alternative source of energy generation. Collegehas installed roof top solar panel system in "on grid mode". Detailed performance sheet of SolarPanel attached in energy audit

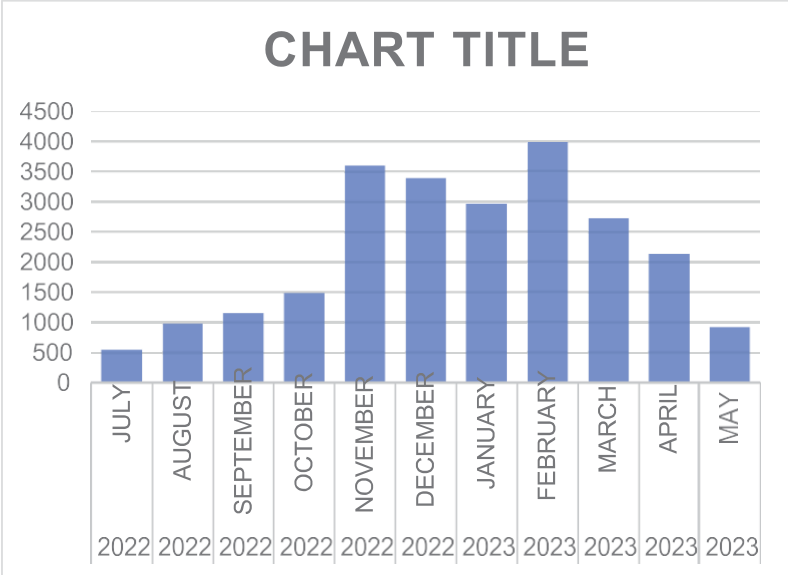
ROOFTOP SOLAR PANELINSTALLTED IN BLOCK A

ROOFTOP SOLAR PANELINSTALLTED IN BLOCK A

7.1.2 Satellite of Solar Panel



SATELLITE VIEW OF SOLAR PANEL



Total Energy Produced from Solar Grid - Academic Year 2022-2023

Year	Month	Energy Produced (in KW)
2022	July	548
2022	August	992
2022	September	1155
2022	October	1493
2022	November	3610
2022	December	3397
2023	January	2969
2023	February	3995
2023	March	2736
2023	April	2143
2023	May	926
	Total Energy Produced from Solar Grid	**23964**

POWER GENERATION CHART OF SOLAR PANEL

7.1.2: Geotagged Photograph of Wheeling to the Grid

A. Wheeling Grid:

Wheeling facilitates the transmission of electricity generated by sources like solar PV systems to end-users directly through the grid. The institute generated solar power through solar panel system again exported to the Grid of MPMKVV.

WHEELING TO THE GRID SYSTEM IN POWER SUPPLY ROOM

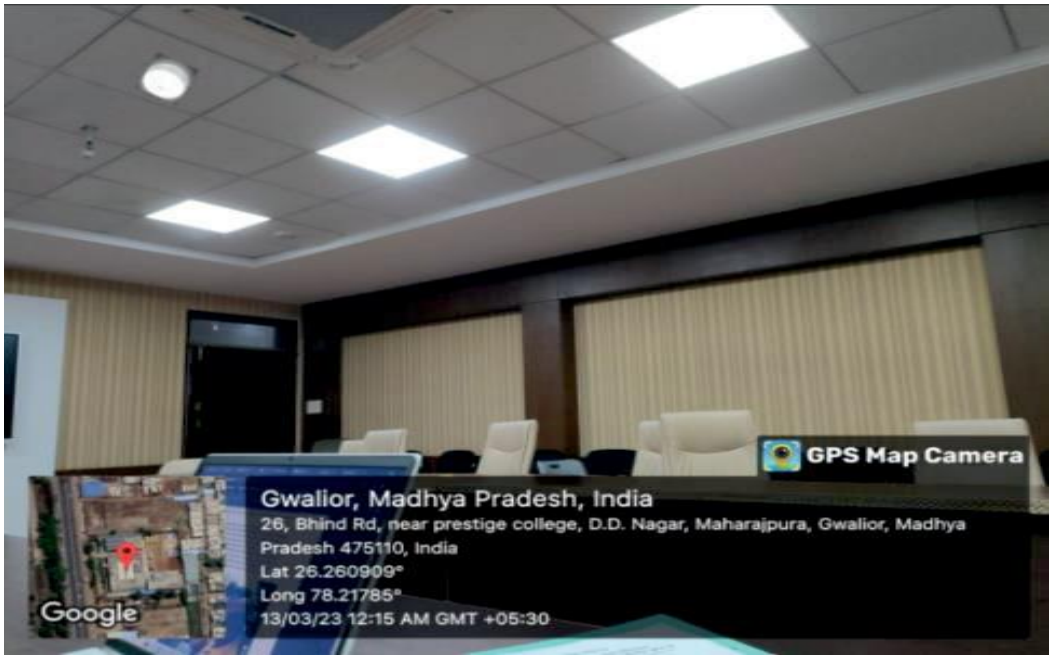
WHEELING TO THE GRID SYSTEM IN ROOFTOP OF BLOCK B

7.1.2: Geotagged Photograph of Sensor-Based Energy Conservation

Sensor-based energy conservation

College campus has adopting technology vigorously. For saving the electrical energy college campus has installed motion sensor in LED light. In campus has different types of requirements like Board Room, Meeting Rooms etc. Campus has adopted technology of motion sensor. We installed motion sensors (electronic circuit) in LED tube.

Functioning: Electronic circuit device named as V-Tag Motion sensor installed in lighting fixture, after installation sensor catch human movement. When any human movement around the lighting fixture then light brightness levels increases and when there is no movement in particular space then lighting fixture is dimmed (functioning like fan regulator), through this electronic device we save of energy.



MOTION SENSOR INTALLED IN BOARD ROOM OF BLOCK A

MOTION SENSOR INTALLED IN FACULTY LOUNGE

7.1.2: Geotagged Photograph of Led Bulbs and Power

A.Use of LED bulbs/ power efficient equipment

Using LED bulbs and power-efficient equipment is a necessary key to saving energy consumption within theinstitution. The institution has installed all LED bulbs in the faculty lounge, corridors, washrooms (male andfemale), and placement areas. Additionally, meeting rooms, board rooms, and the reception area are equippedwith LED bulbs, utilizing power-saving techniques throughout the institution.

LED LIGHTS INTALLED IN FACULTY LOUNGE

7.1.2: Geotagged Photograph of Led Bulbs and Power

LED LIGHTS INTALLED IN FACULTY LOUNGE

LED LIGHTS INTALLED IN CLASS ROOMS IN THE BLOCK A