



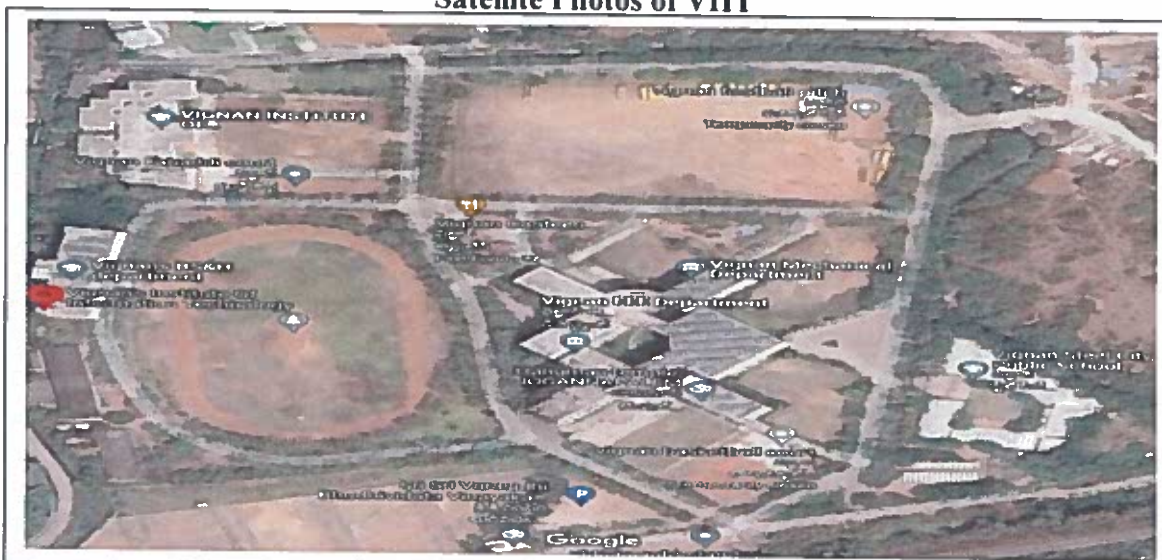
SUMMARY SHEET – AQAR 2020-21

Criterion 7 - Institutional Values and Best Practices

Key Indicator (KIs)	Key Indicator - 7.1 Institutional Values and Social Responsibilities
Metric 7.1.2	<i>The Institution has facilities for alternate sources of energy and energy conservation measures</i>

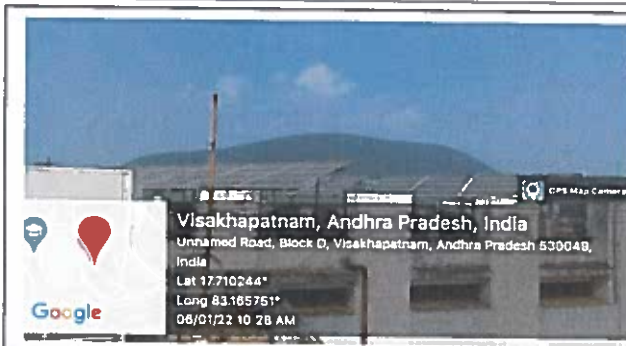
Any Additional Information

Satellite Photos of VIIT



Solar Energy: It is once type renewable energy source which converts the solar energy into electrical energy. This technology is installed at vignan's Institute of information technology in 2017 at different locations. 180 KW of solar plant is installed at main block, first year block 70 KW of solar power is installed at First year block, 50 KW of power is installed at Ladies Hostel and 50 KW of solar power is installed on mess .Total 350 KW of grid tied solar plant is installed in this Institute with all Protections. Reliability power is good due to the well maintenance of the plant. Throughout the year.

The sample Geo tag photos are attached here





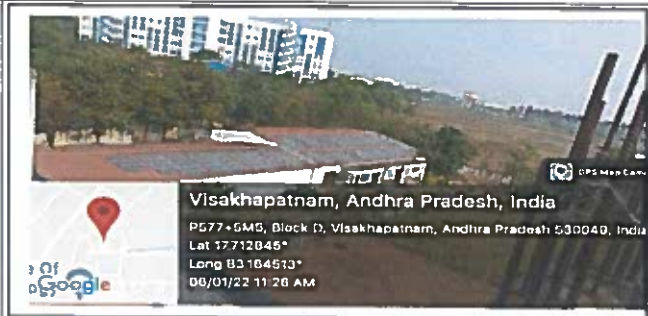
VIGNAN's INSTITUTE OF INFORMATION TECHNOLOGY (AUTONOMOUS)

(Approved by AICTE & Affiliated to JNTUK, Kakinada)

DUVVADA, VISAKHAPATNAM

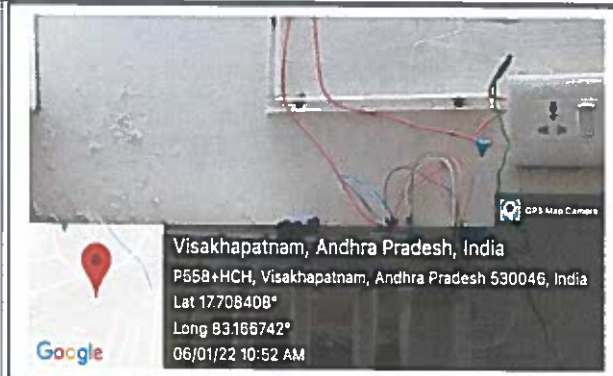
Wheeling to the grid:

From 350 KW of solar plant is tied to grid. During the summer more amount of power is generated. Winter and rainy seasons bit less amount of power generated. But on an average of 1200 units per day of electrical power generated. This generation is meeting 50% Power demand



Sensor-Based Energy Conservation

Sensor based and Wifi- based electrical energy control is installed at different locations in the VIIT campus for better utilization of the Electrical power. Principal Camber and ECE HOD cabin and system cell laboratory. The sample geo tagged photos are attached here



Use of LED bulbs/ Power efficient equipment

In this institute major load is lighting load. In last 6 year back for lighting purpose incandescent and florescent tube lights were used . Now the total lighting load met only by the LED bulbs even though its cost is more .it Gives the 50 % power saving on lathing load with same illumination. The sample geo tag photos are attached here

More ever for better utilization of electrical power in this institute at the major panel boards semi auto mated power factor correction equipments are installed which maintain the unit power factor.

The Geo tag photos also attached here



Principal
PRINCIPAL
VIGNAN'S INSTITUTE OF
Information Technology (A)
Beside: VSEZ, Duvvada, Visakhapatnam-49