1. Solar Energy

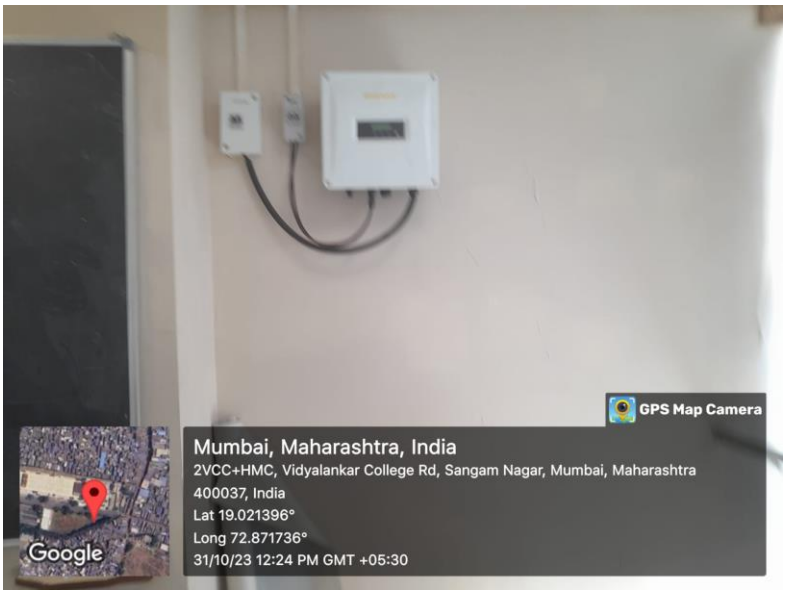

Figure 1.1. Solar Energy Power meter at Lab 514, 5th Floor, M-block, VIT

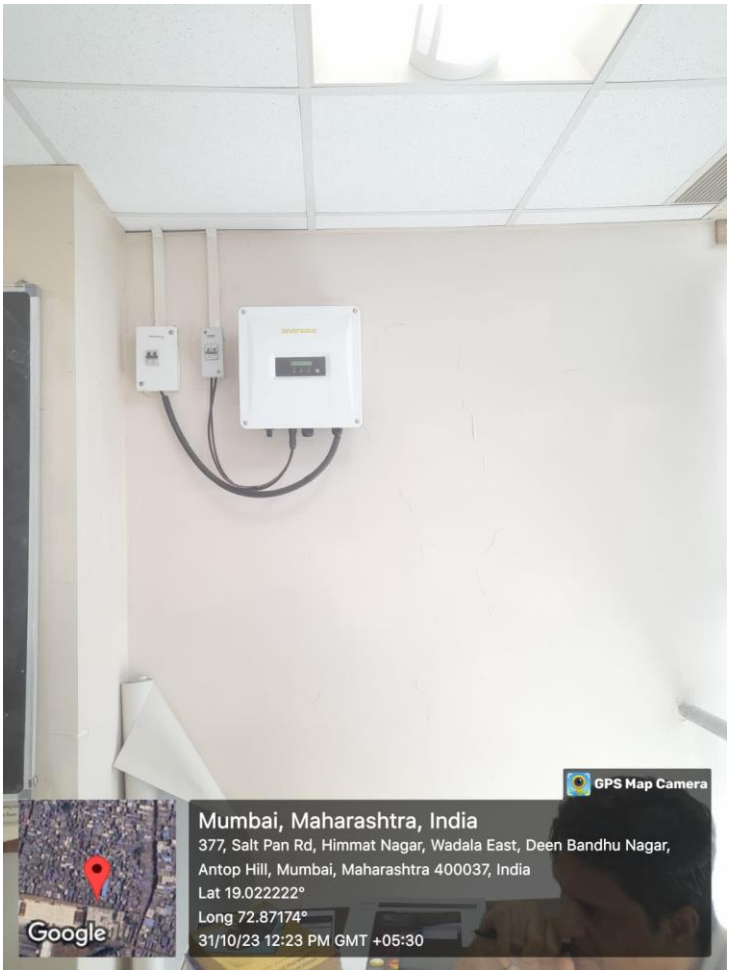

Figure 1.2. Solar Energy Power meter at Lab 514, 5th Floor, M-block, VIT

2. Sensor Based Energy conservation

We have installed Variable Refrigerant Volume (VRV) systems for AC units on campus. This technology provides Energy savings during actual operation it have been further improved by advancement in the VRT Smart Control and a new compressor. The VRV units are controlled by Intelligent Temperature Machine (ITM) shown in figures below.

Figure 2.1. Intelligent Temperature Machine (ITM) unit, Basement, M-block, VIT

Figure 2.2. Intelligent Temperature Machine (ITM) unit, Basement, M-block, VIT

3. Use of LED bulbs/Power efficient equipment

a. Use of LED in Staff Rooms

Figure 3.1. LED lights in Staffroom, M-block, VIT

b. Use of LED in Corridors

Figure 3.2. LED lights in Corridor, M-block, VIT

c. Use of LED in Classrooms

Figure 3.3. LED lights in Classrooms, M-block, VIT

d. Use of LED in Labs

Figure 3.4. LED lights in Labs, M-block, VIT