7.1.2- ALTERNATE SOURCE OF ENERGY

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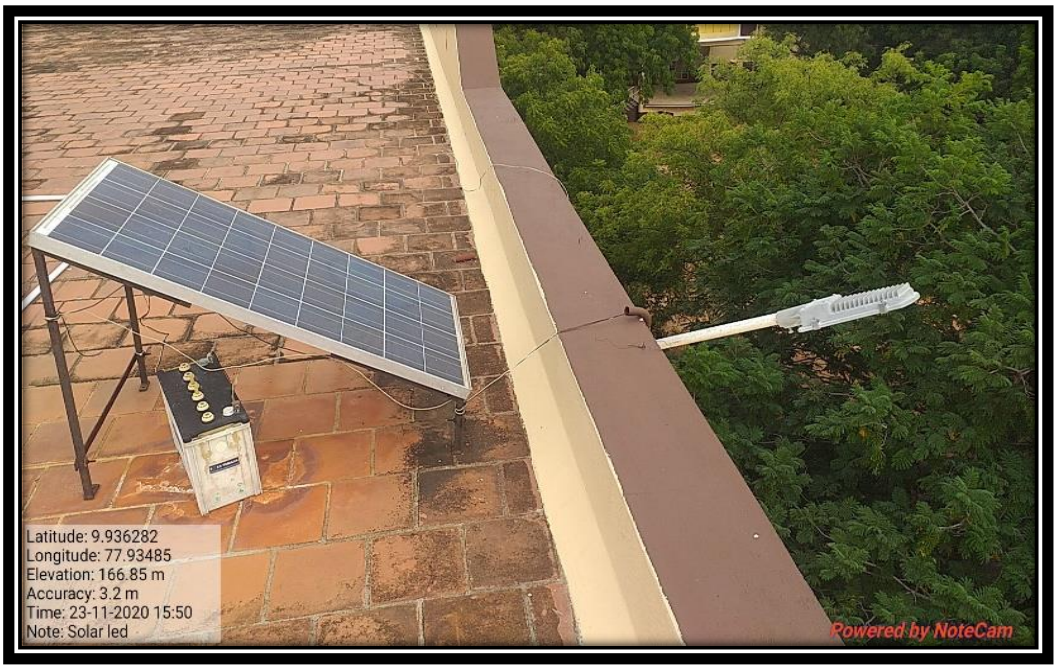
1. SOLAR ENERGY

Solar Panels Installed in Toulouse Block (Capacity 3KW)

Solar Dryer Installed in Arruppe Illam (Capacity 500W)

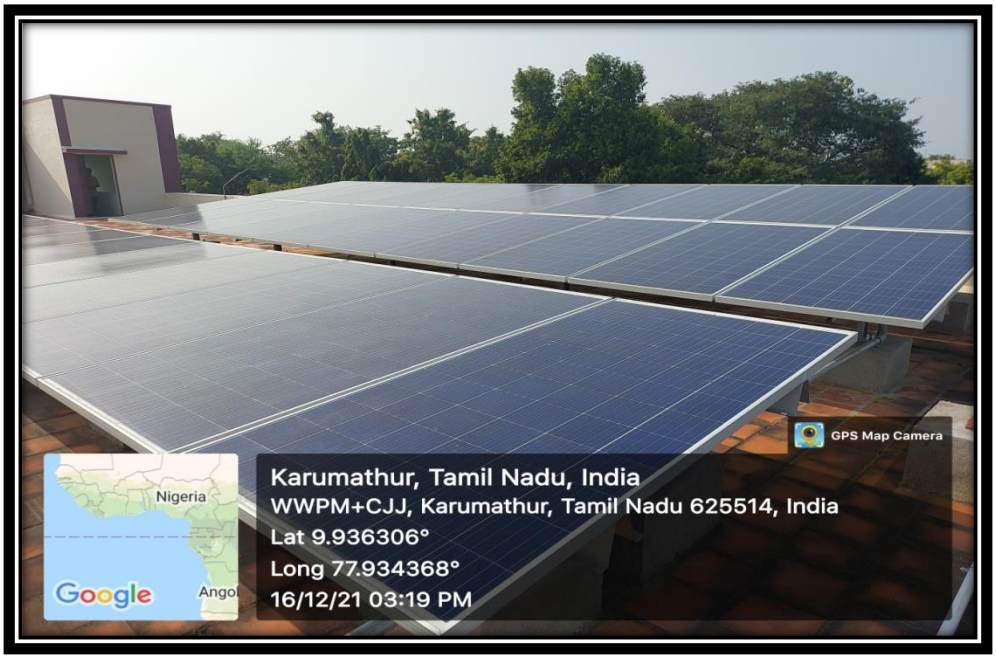
Solar Panels Installed in Boys Hostel (Capacity 20W)

Solar Panels Installed in Girls Hostel (Capacity 20W)



Solar Thermal –Water Heater installed in Aruppe Illam (Capacity 1,000 LPD)

Solar Panel Installed in De Nobili Hall (Capacity 20 KW)



2. BIOGAS PLANT

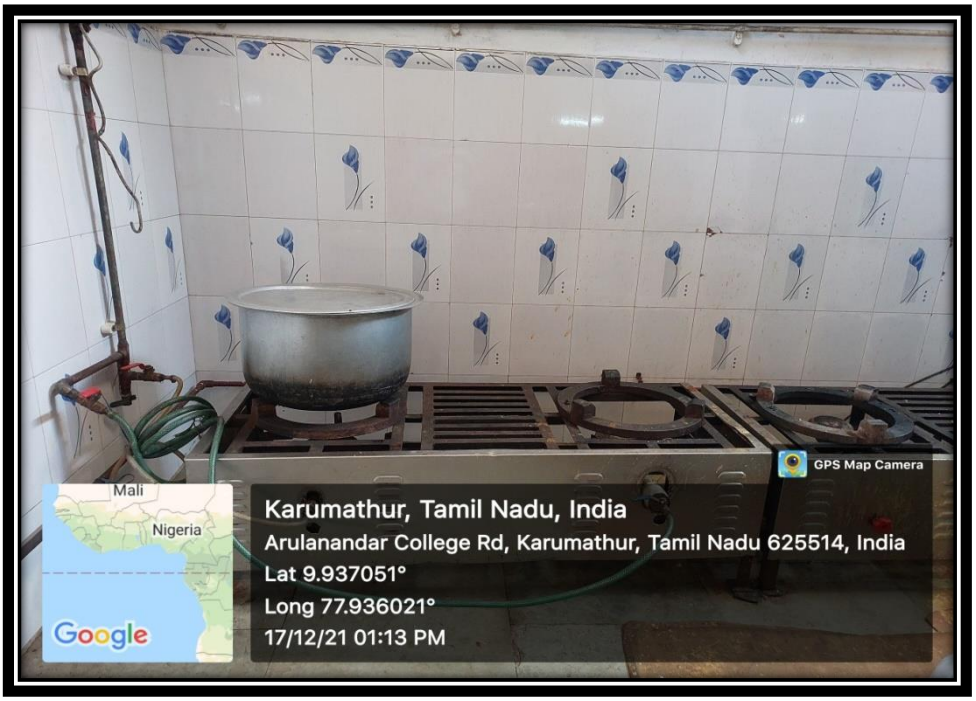
Biogas is generated from biodegradable food waste. Biogas generated during 2019-2020 is 9600M^3

Biogas Plant Installed in Boys Hostel - Biogas Digester

Biogas Storage Balloon

Biogas Control Panel

Biogas Burner



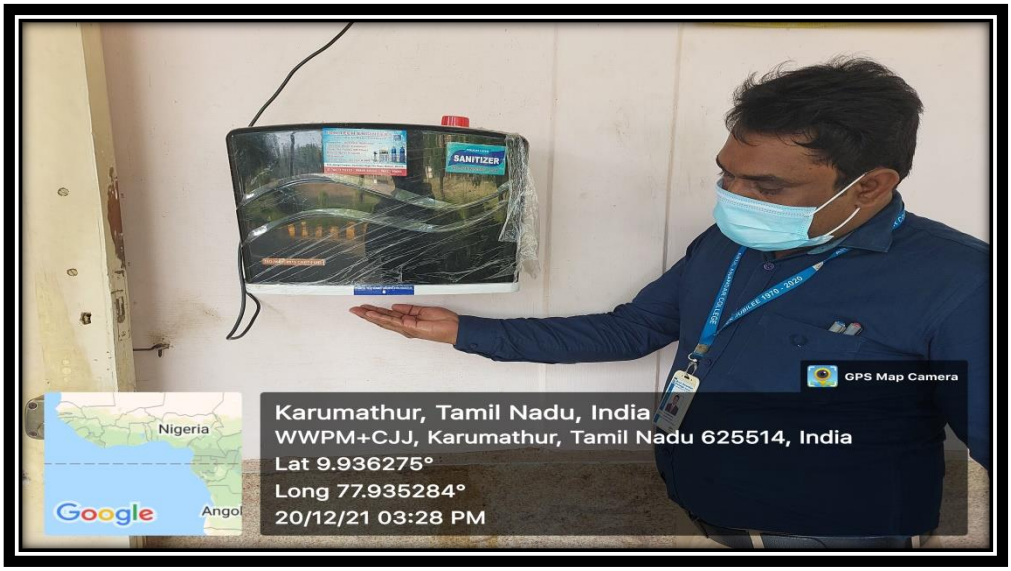
3. SENSOR-BASED ENERGY CONSERVATION

Sensor – based solar street lights are installed at 13 prime locations inside the campus. This aids in saving energy of 1423 units / year

Sensor- based Solar LED Street Light at Main Entrance (Capacity 25W)

Sensor- based Solar LED Street Light near Car Parking (Capacity 25W)

Sensor- Based Hand Sanitizer Dispenser in Administrative Block



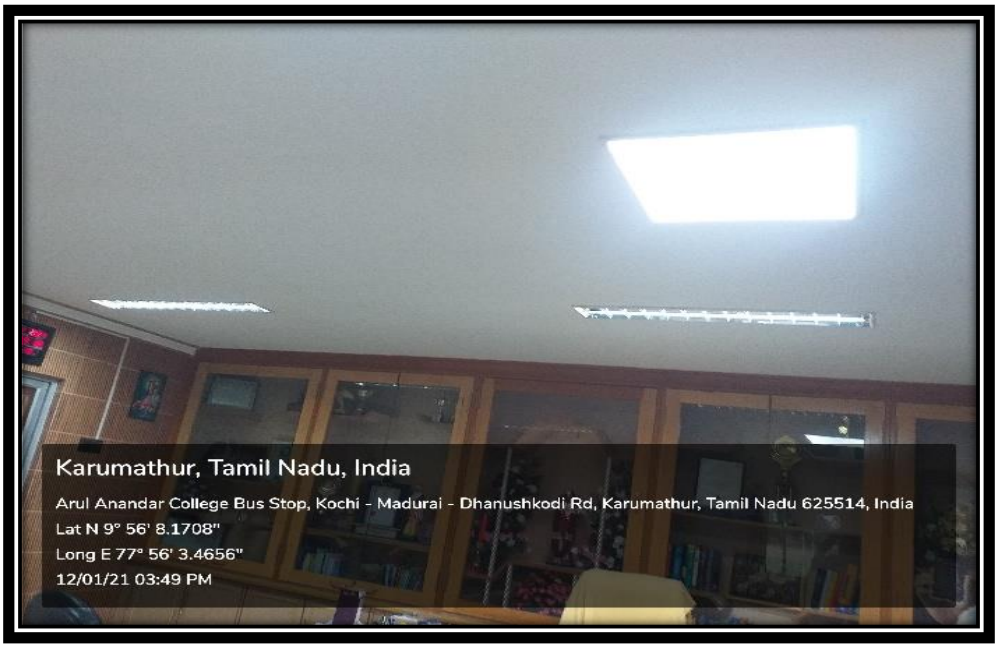
Sensor- Based Hand Sanitizer Dispenser in Library

4. USE OF LED-BULBS

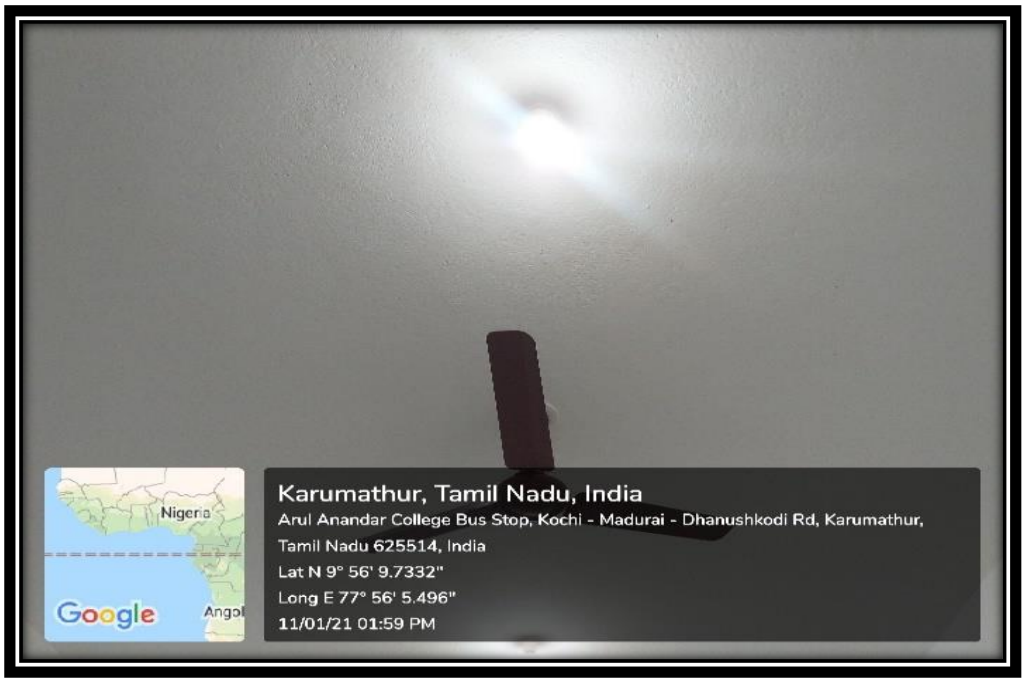
LED bulbs are potential source of energy savers. A total 336 LED (devices) are in use inside the campus. The total power consumption is 6.739 KW/Hour

LED Tubelights in Secretary's Office

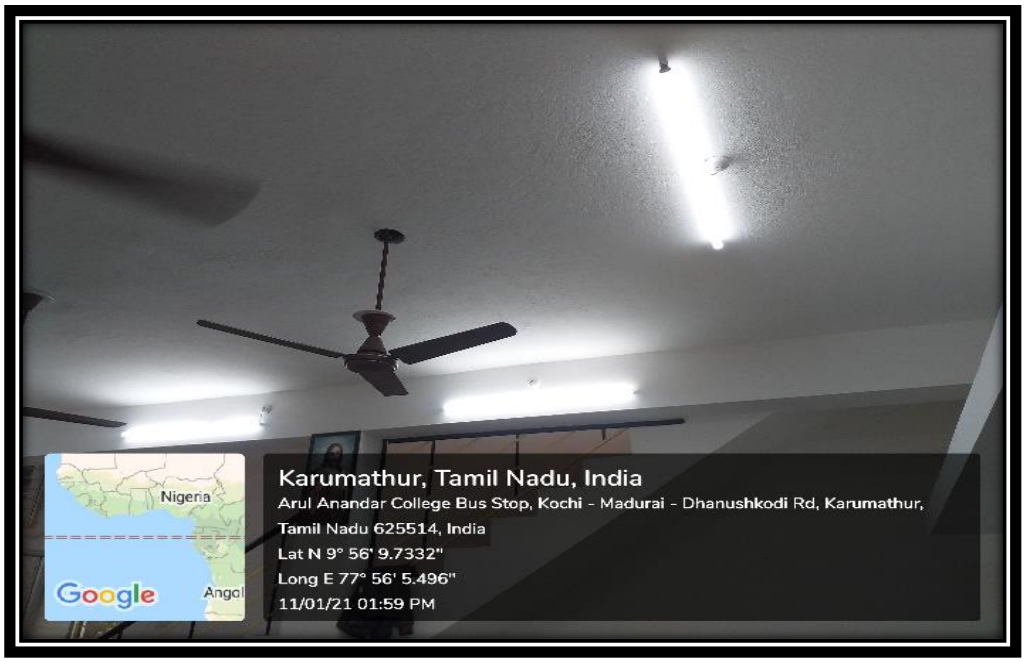
LED Tubelights in Principal's Office



LED Tubelights in Shift-II Office



LED Tubelights in Office of Controller of Examinations



LED Tubelights in Classroom