



# PERIYAR MANIAMMAI

INSTITUTE OF SCIENCE & TECHNOLOGY

(Deemed to be University)

Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited

think • innovate • transform

# **GEO TAGGED PHOTOS OF THE ALTERNATE SOURCES OF ENERGY & ENERGY CONSERVATION**



## Criterion VII – Institutional Values and Best Practices

Key Indicator	7.1	Institutional Values and Social Responsibilities
Metric	7.1.2	The Institution has facilities for alternate sources of energy and energy conservation measures

# **SOLAR ENERGY**

# 1. Solar Water Heater at Chakaravarthy Hostel





## 2. Solar Water Heater at Chakaravarthy Hostel





### 3. Solar Water Heater at Chakaravarthy Hostel

P3H8+6M, Vallam, Tamil Nadu  
613403, India

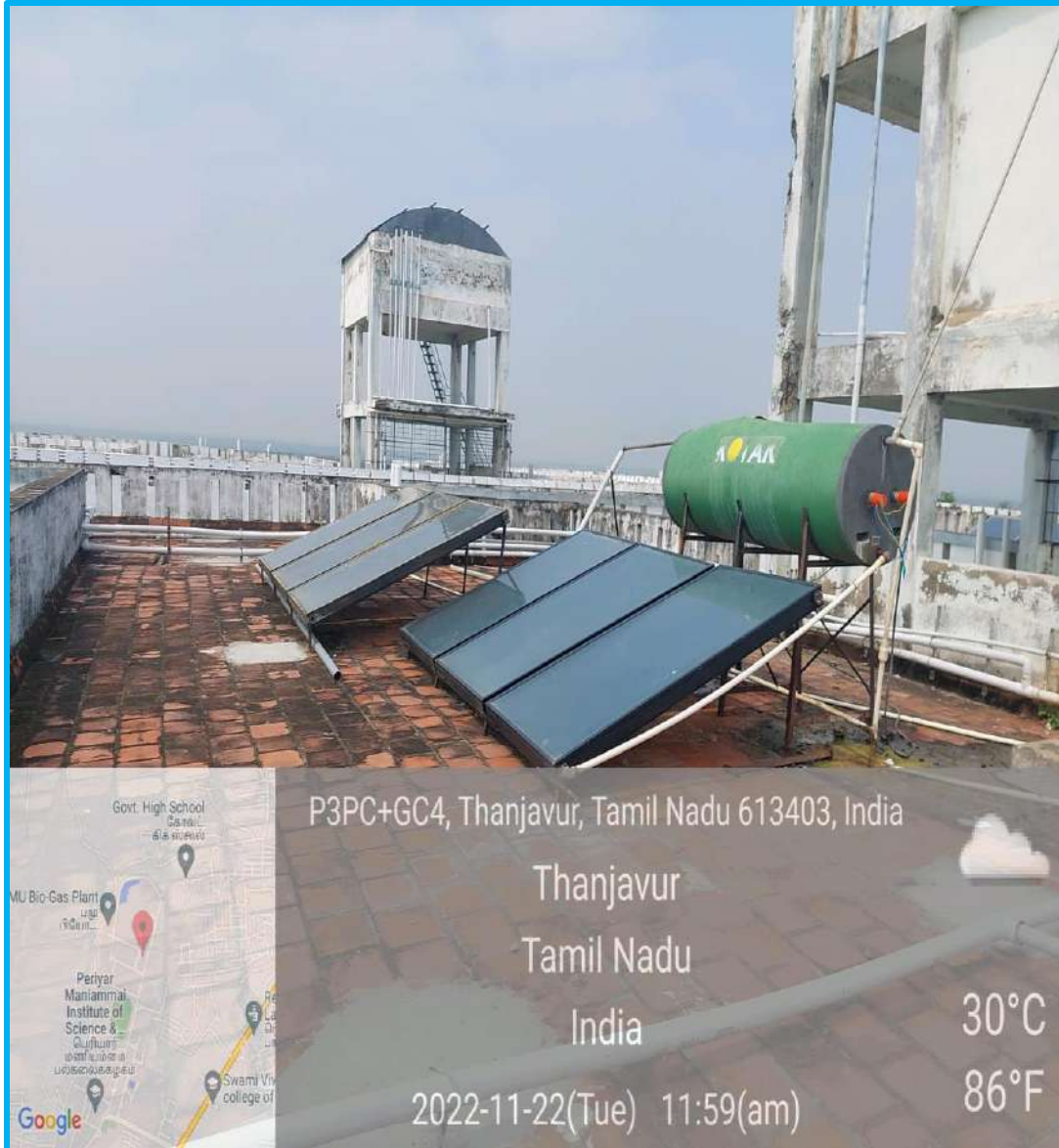
Latitude Longitude  
10.727790° 79.066736°

LOCAL 13:34:49 WEDNESDAY 11.22.2022  
GMT 08:04:49 ALTITUDE 0 METER

#### 4. Solar Water Heater at Vittobai Hostel







## 5. Solar Water Heater at Vittobai Hostel

## 6. Solar Water Heater at Sornaranganathan Hostel



## 7. Solar Water Heater at Sornaranganathan Hostel





## 8. Solar Water Heater at Staff Quarters





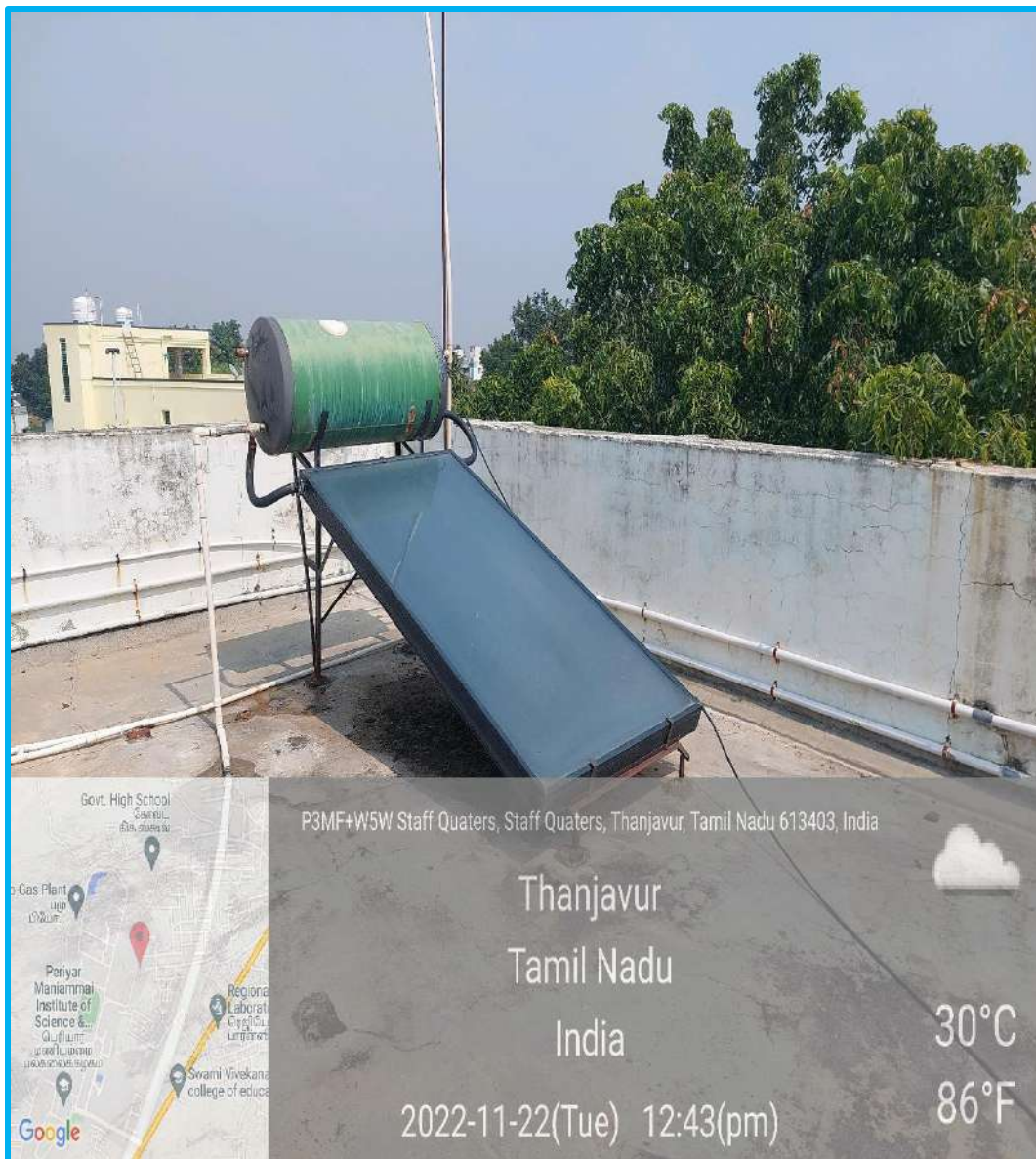
## 9. Solar Water Heater at Staff Quarters





## 10. Solar Water Heater at Staff Quarters





## 11. Solar Water Heater at Staff Quarters



# Solar Panels - Lighting for Annai Nagammaiyar Dinning Hall



P3MC+V4P, Vallam, Tamil Nadu 613403, India

Vallam

Tamil Nadu

India

2022-11-22(Tue) 12:37(pm)

30°C

86°F



# BIOGAS PLANT



Bio-Gas Plant, Tamil Nadu 613403, India

Thanjavur  
Tamil Nadu  
India

2022-11-22(Tue) 12:14(pm)



30°C

86°F





Bio-Gas Plant, Tamil Nadu 613403, India  
 Thanjavur  
 Tamil Nadu  
 India



2022-11-22(Tue) 12:12(pm)

30°C

86°F





Bio-Gas Plant, Tamil Nadu 613403, India

Thanjavur  
Tamil Nadu  
India

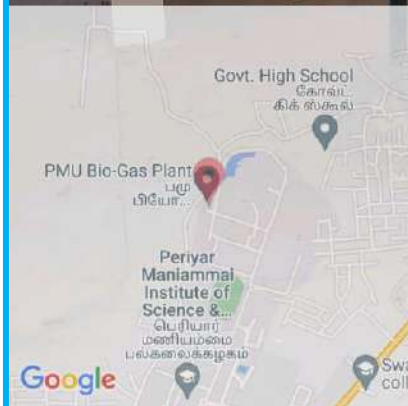
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30°C

86°F





Bio-Gas Plant, Tamil Nadu 613403, India  
Thanjavur  
Tamil Nadu  
India



30°C  
86°F

2022-11-22(Tue) 12:13(pm)

1. SKIP CHARGER

2. GASIFIER WITH DOUBLE DOOR

3. CYCLONE WITH DISTANCE PIECE 2-NOS

4. TOP JUNCTION BOX

5. ASH COLLECTING BOX WITH VALVE

6. DISTANCE PIECE

7. VENTURI SCRUBBER

8. DRAIN BOX

9. SEPERATION TANK

10. COARSE FILTER (1500 X 1500)

11. FINE FILTER ACTIVE WFA-123 4-NOS.

12. FINE FILTER PASSIVE WFP-123 4-NOS.

13. SAFETY FILTER

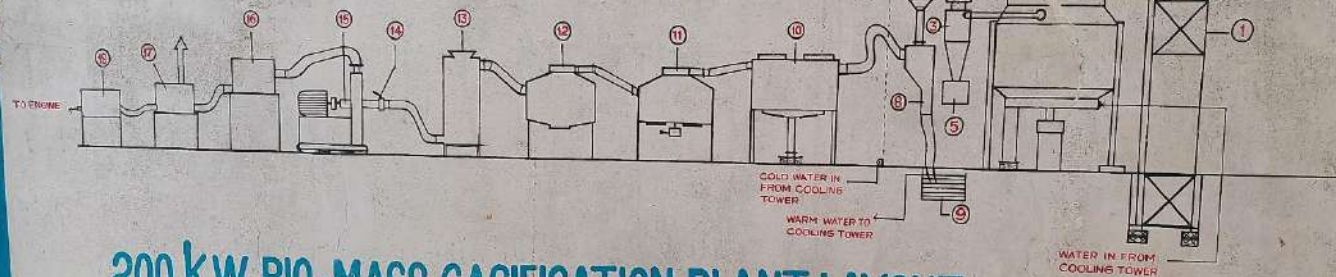
14. GAS CONTROL VALVE

15. GAS BLOWER

16. PRESSURE REGULATOR VALVE OR AUTOMATIC GAS CONTROL VALVE WITH PROGRAMMER

17. PNEUMATIC ENGINE GAS CONTROL HEADER WITH FLARE START/SHUTTING ARRANGEMENT

18. GAS AIR MIXER



## 200 K.W. BIO-MASS GASIFICATION PLANT LAYOUT



P3JC+V8V, Vallam, Tamil Nadu 613403, India

Vallam

Tamil Nadu

India

2022-11-22(Tue) 12:56(pm)

30°C

86°F



# BIOMASS GASIFICATION PLANT



P3J9+4QV, Vallam, Tamil Nadu 613403, India

Vallam

Tamil Nadu

India

2022-11-22(Tue) 12:58(pm)



30°C

86°F

# Sensor Based Energy Conservation



# Sensor Based Water Level Detector for Overhead Tank



# **USE OF LED BULBS / POWER EFFICIENT EQUIPMENT**

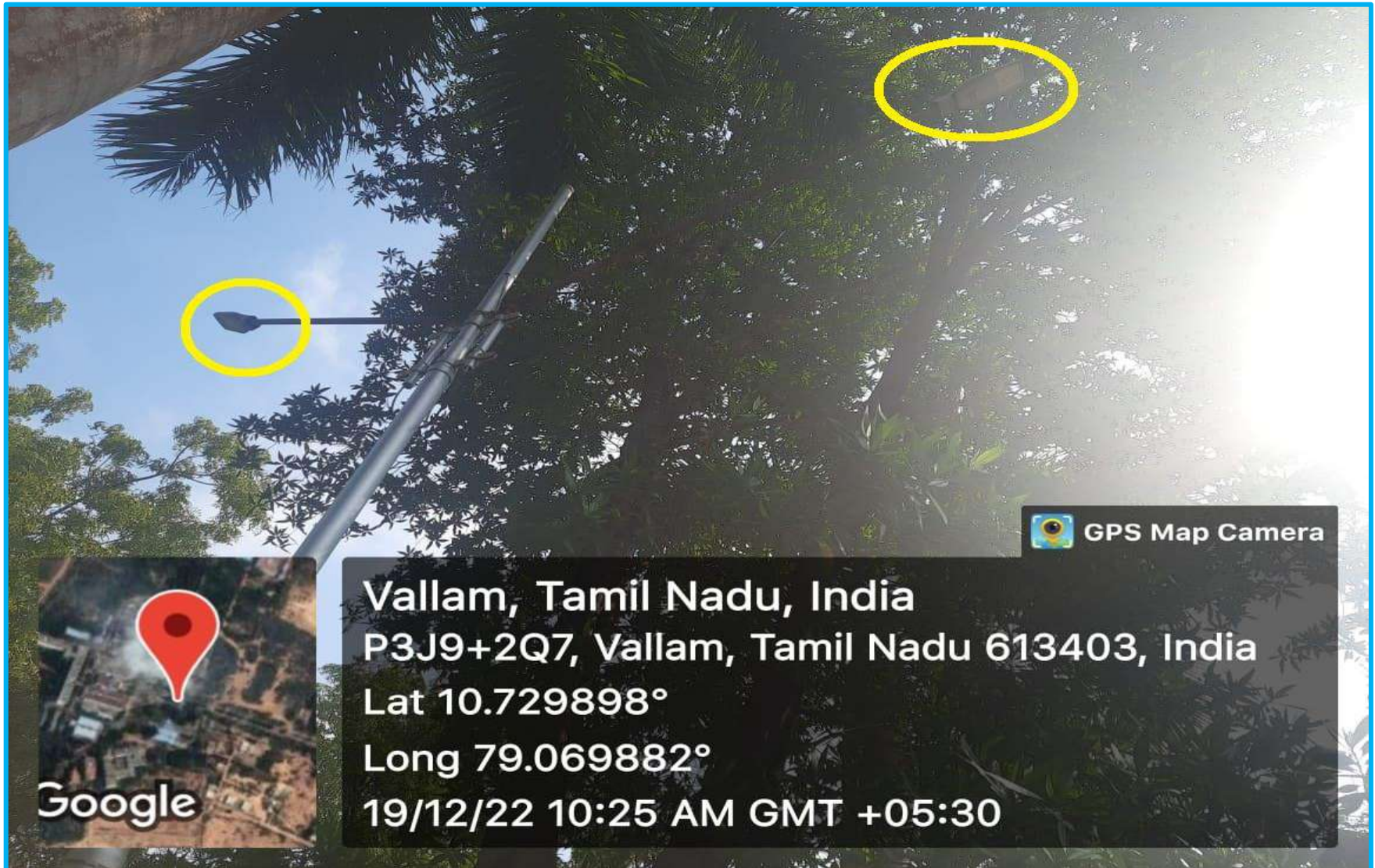


# Street Lights Towards Administrative Building





# Street Lights Towards Administrative Building

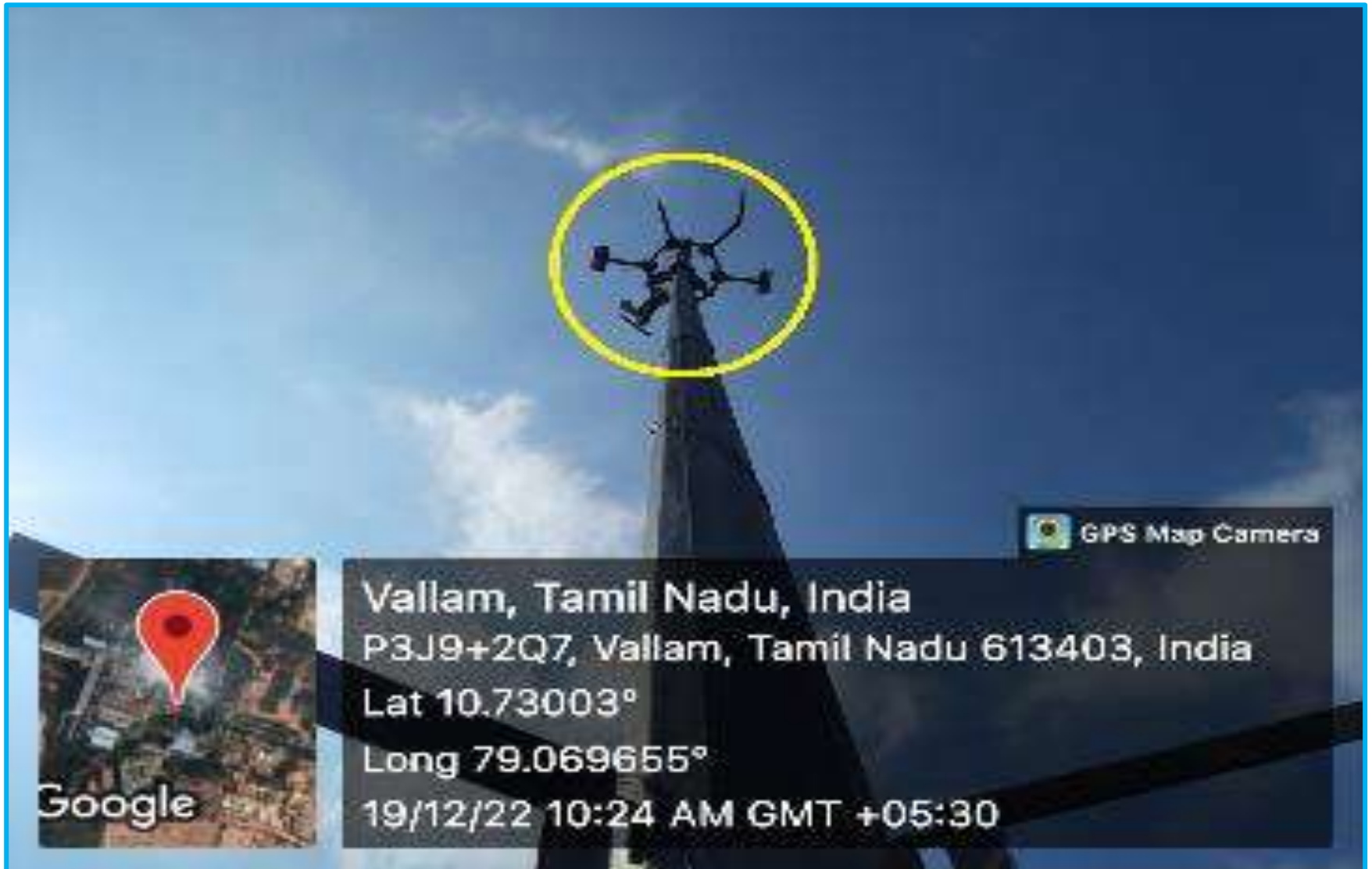






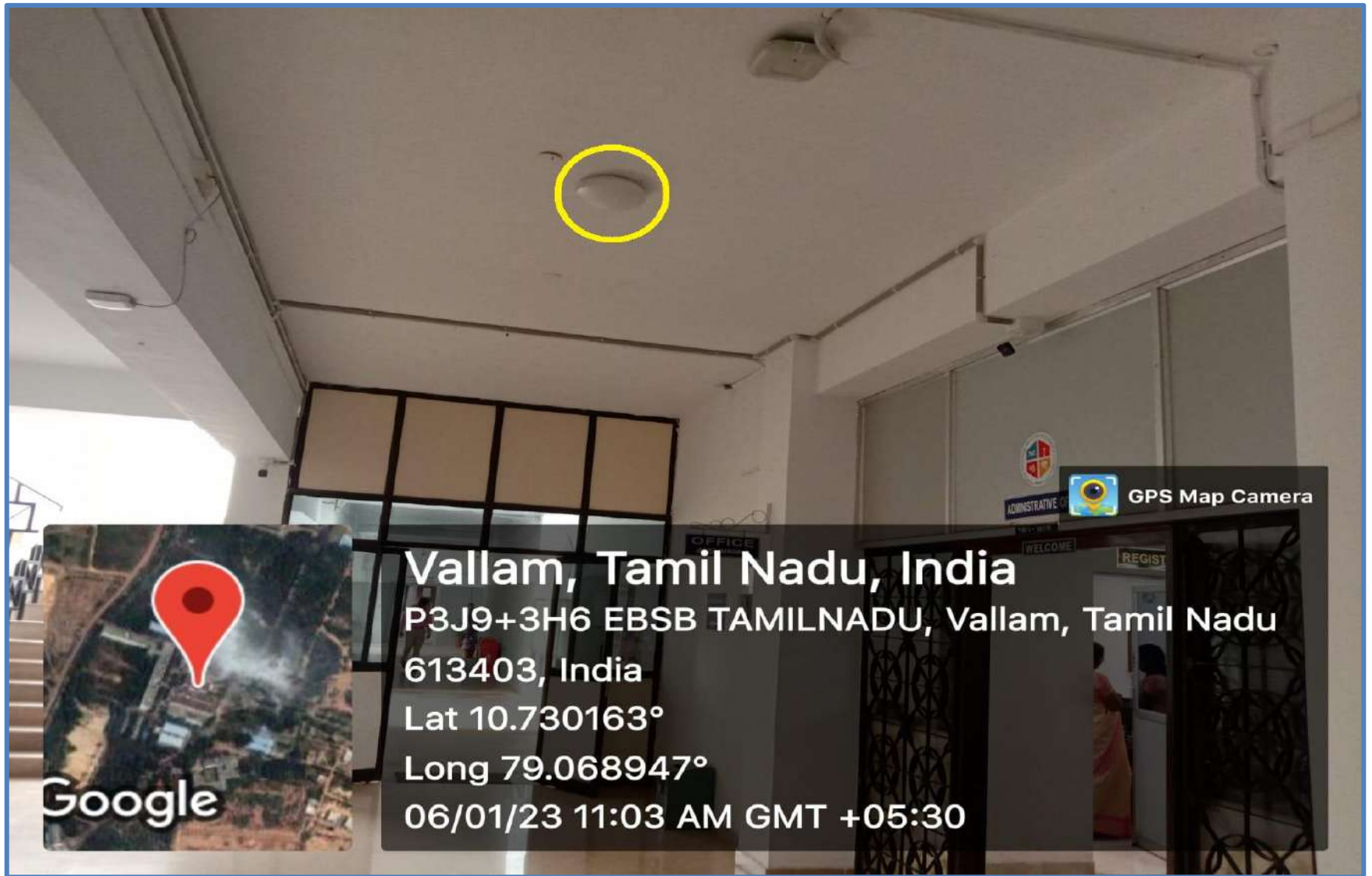
**Focus Lights at  
Administrative  
Building**

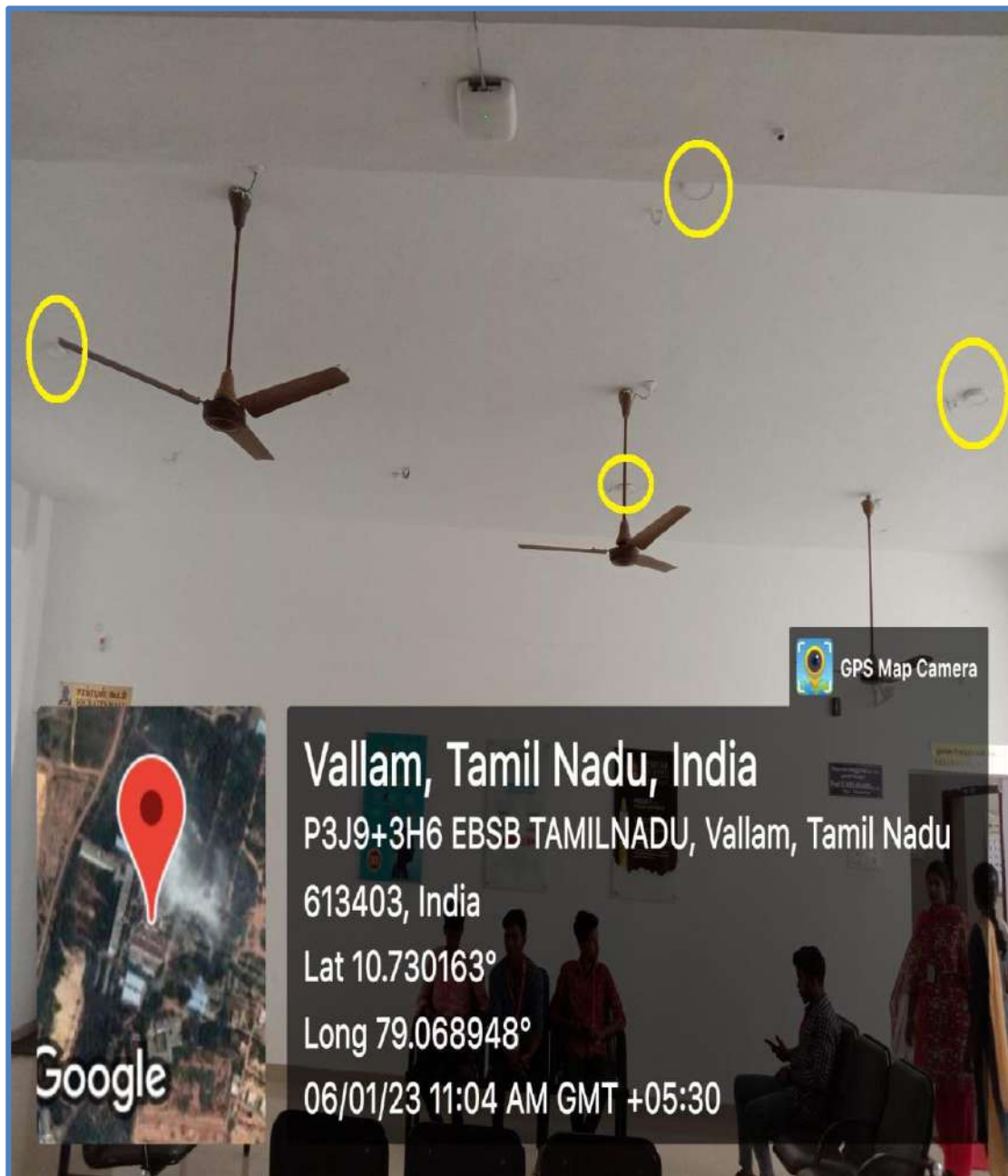
# Focus Lights at Administrative Building





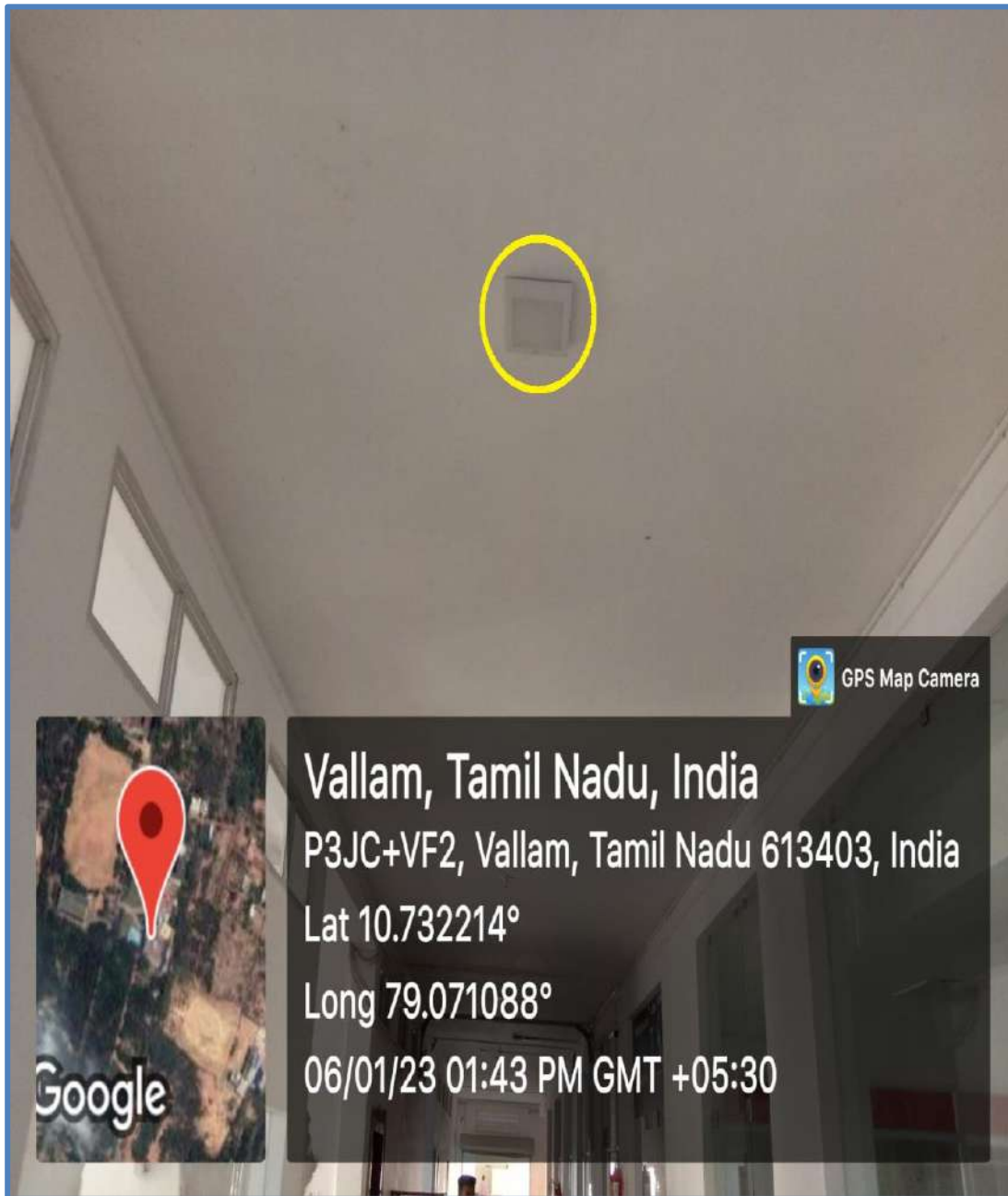
# LED Lights at Registrar Office Corridor





**LED Lights at Vice  
Chancellor Office  
Waiting Hall**



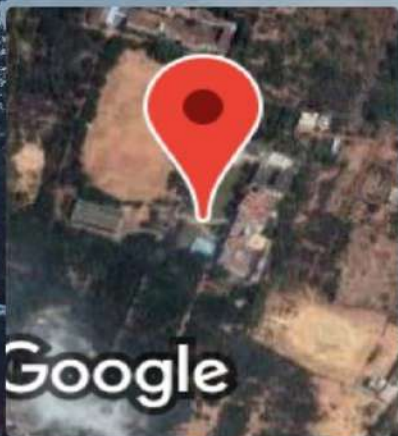


**LED Lights at  
Periyar Knowledge  
Centre (PKC)  
Corridor**

## Focus Lights at Staff Quarters



GPS Map Camera



**Vallam, Tamil Nadu, India**

**P3JC+V8V, Vallam, Tamil Nadu 613403, India**

**Lat 10.732498°**

**Long 79.07082°**

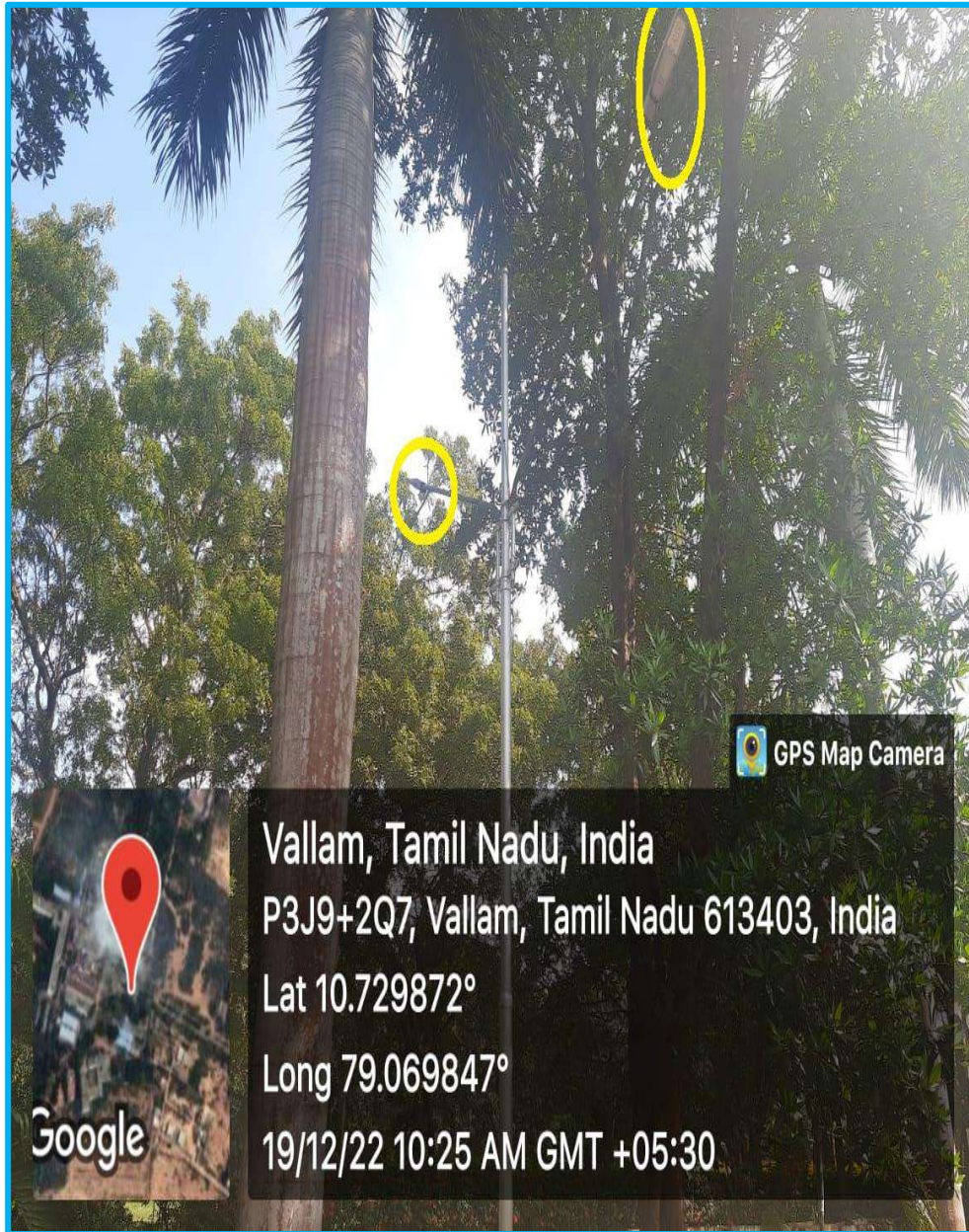
**06/01/23 01:40 PM GMT +05:30**





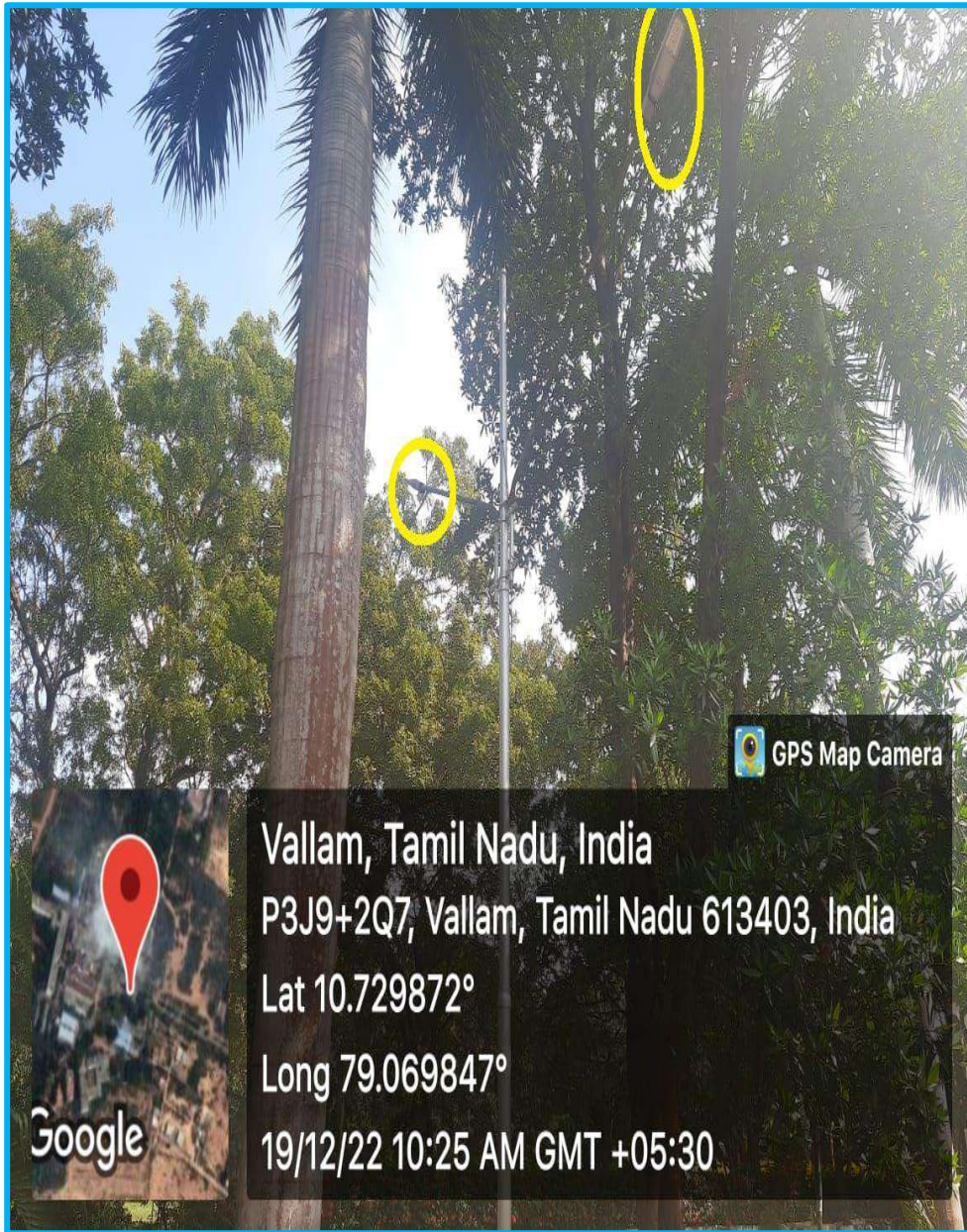
## LED Street Lights in the Campus



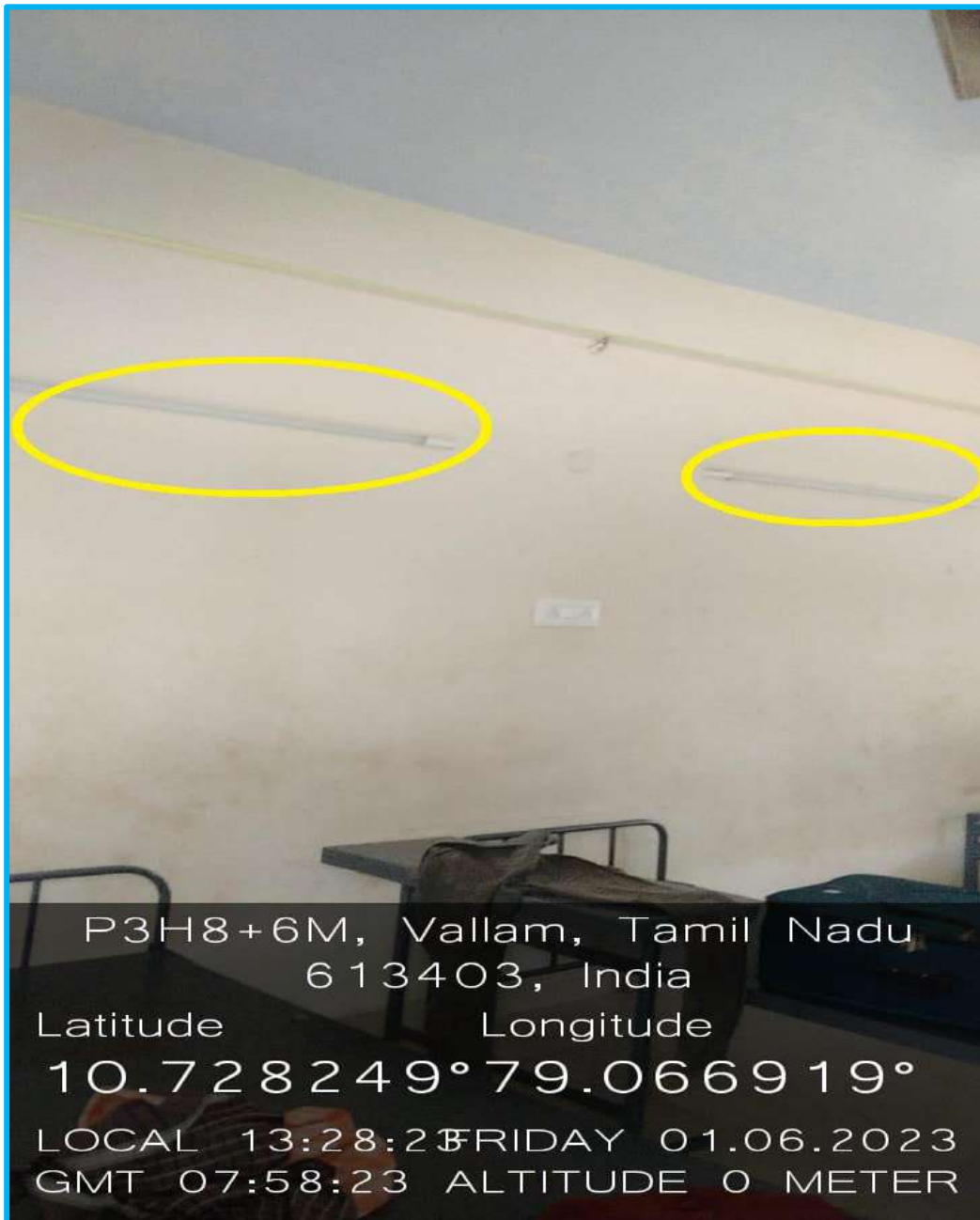


## LED Street Lights in the Campus





## LED Street Lights in the Campus



## LED Tube Lights at Boys Hostel

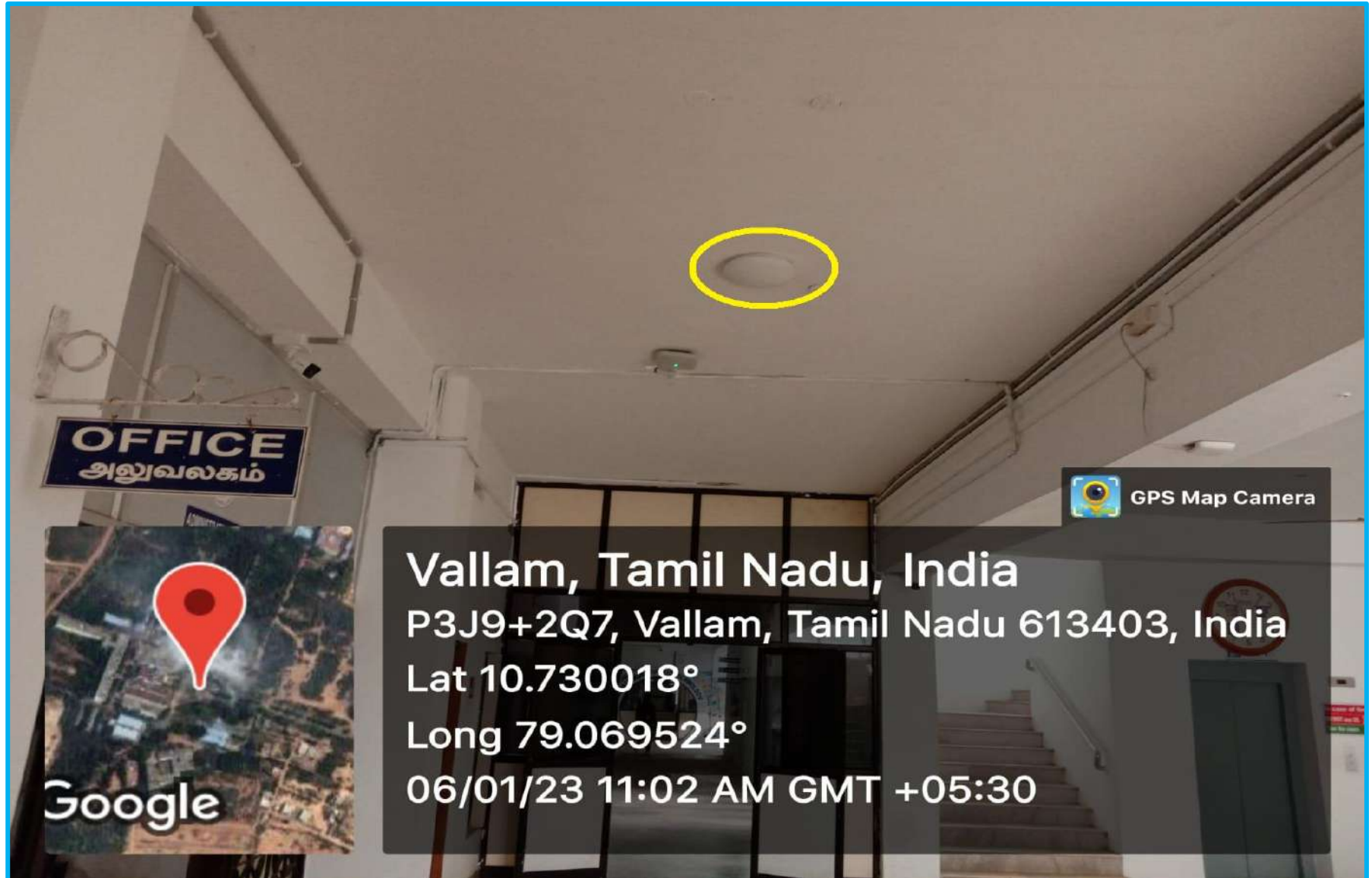
P3H8+6M, Vallam, Tamil Nadu  
613403, India

Latitude Longitude  
10.728249° 79.066919°

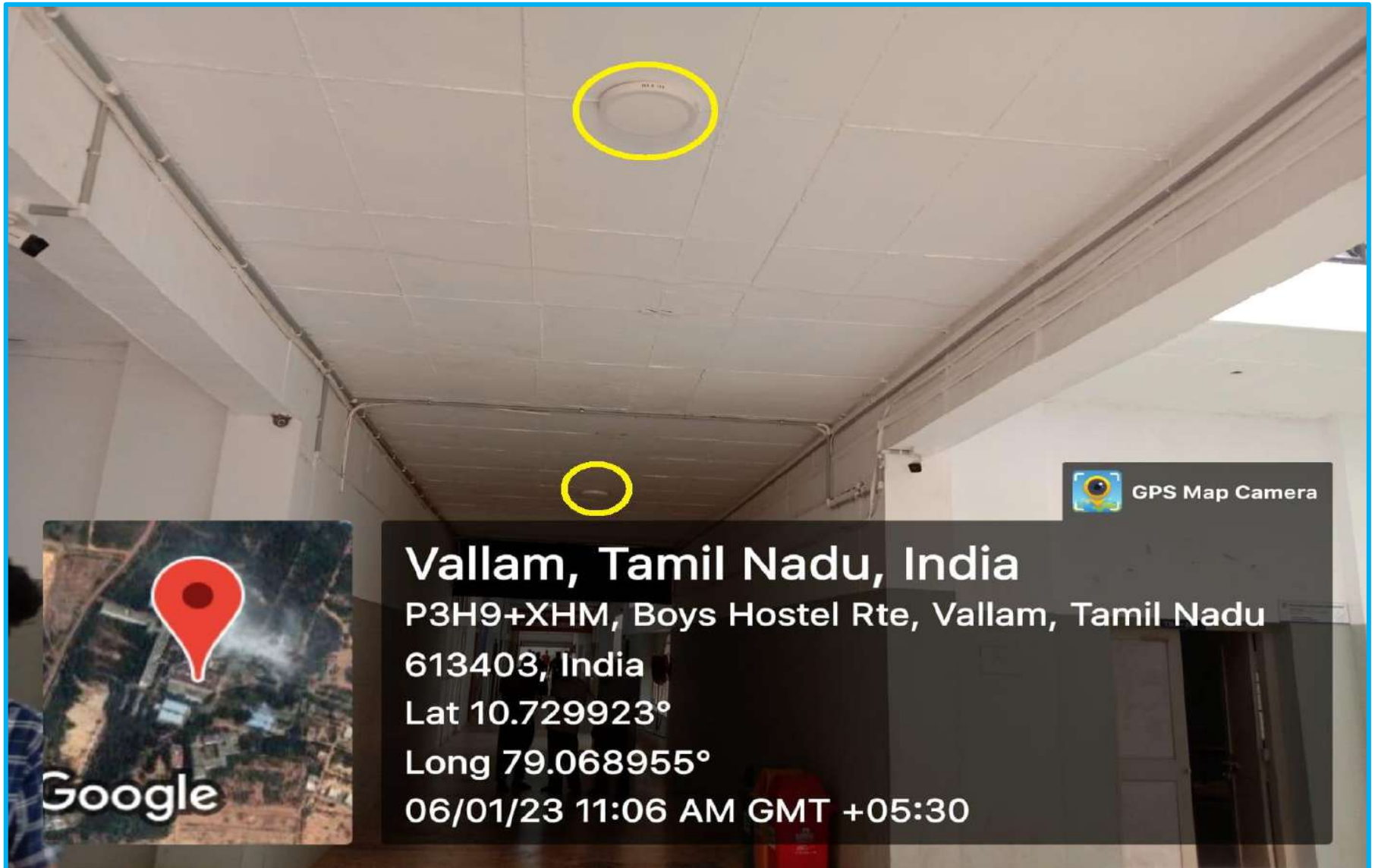
LOCAL 13:28:23 FRIDAY 01.06.2023  
GMT 07:58:23 ALTITUDE 0 METER



# LED Lights at Corridors in Various Building of the Campus



# LED Lights at Corridors in Various Building of the Campus



GPS Map Camera

**Vallam, Tamil Nadu, India**

P3H9+XHM, Boys Hostel Rte, Vallam, Tamil Nadu

613403, India

Lat 10.729923°

Long 79.068955°

06/01/23 11:06 AM GMT +05:30

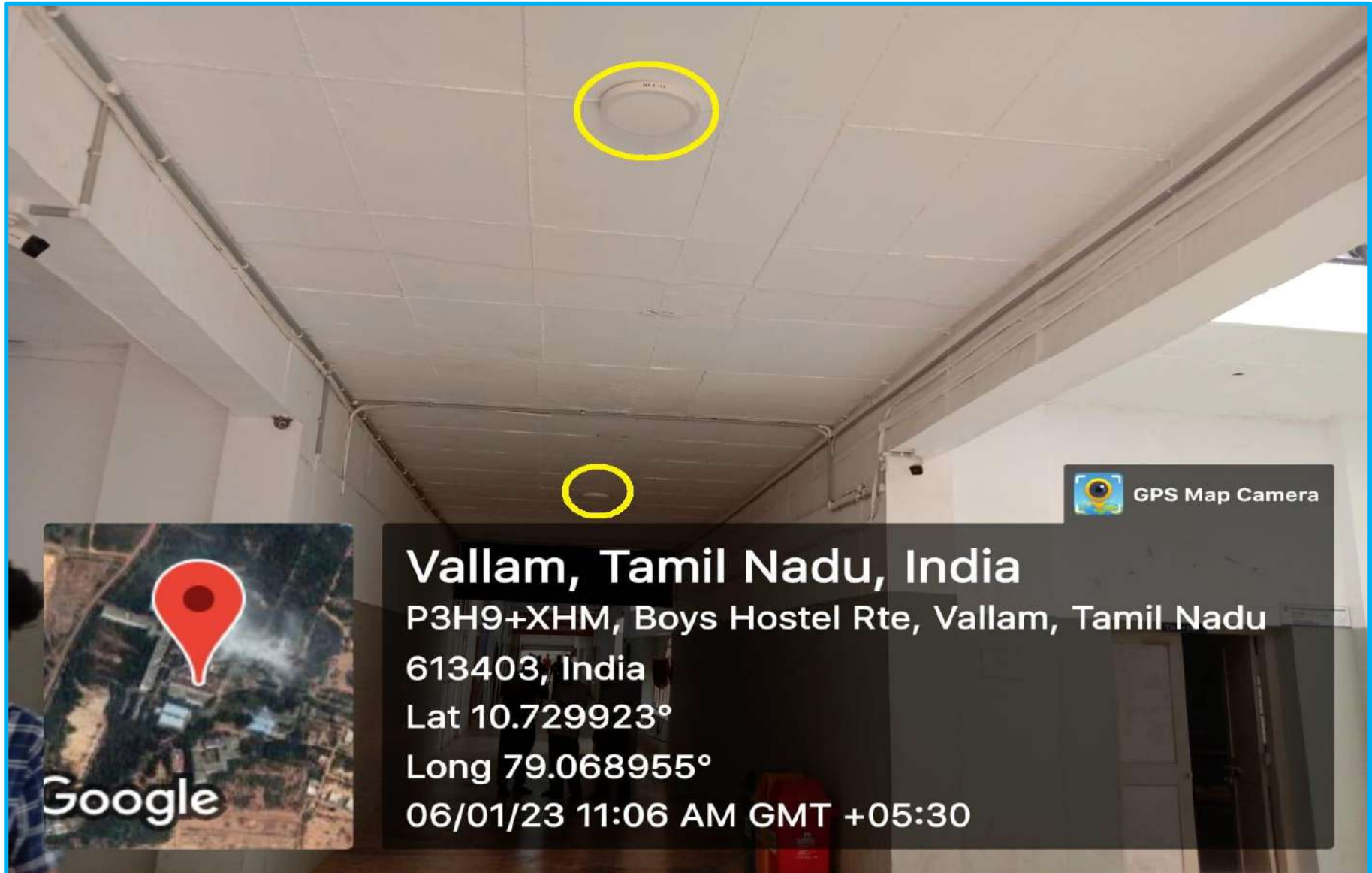




# LED Lights at Corridors in Various Building of the Campus



# LED Lights at Corridors in Various Building of the Campus



GPS Map Camera

**Vallam, Tamil Nadu, India**

P3H9+XHM, Boys Hostel Rte, Vallam, Tamil Nadu

613403, India

Lat 10.729923°

Long 79.068955°

06/01/23 11:06 AM GMT +05:30





# LED Lights at Corridors in Various Building of the Campus



# LED Lights at Corridors in Various Building of the Campus

