

### 7.1.2. The Institution has facilities for alternate sources of energy and energy conservation measures

The college has a G+4 building with spacious classrooms, laboratories, wide corridors and stairs in every floor. Other than these, there are staff-rooms, library, five audio-visual rooms, one spacious multipurpose-hall (used for various events), administrative blocks, common rooms for students, canteen and toilets. The non-LED lights are gradually getting replaced by LED tube lights and spotlight with the goal of making the college full energy-efficient soon. In all newly built department/laboratories/facilities (specially on ground and 4<sup>th</sup> floors) only LED lights have been fixed on the walls as a measure to save energy.

Following are the details:

➤ **LED light versus non-LED light in college building**

Floor	LED Tube	LED Spot Light	Non-LED Tube	Total
Ground	36	89	48	173
First	4	18	58	80
Second	5	8	97	110
Third	11	28	94	133
Fourth	58	30	2	90
Total	114	173	299	586

Percentage of LED lights in college building:  $[(114 + 173) \times 100] / 586$   
**= 48.9%**

Thus, almost 50% of the lights in the college are LED lights.

The college has taken initiatives to fix "Solar Panels" on the roof-top. The proposal was given by IQAC and the permission has been granted by college GB members. The accounts department is going through the procurement process so that they can be installed by early next session.

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The Geo-tagged photographs of electricity source and LED tube lights and spot lights in the college building:

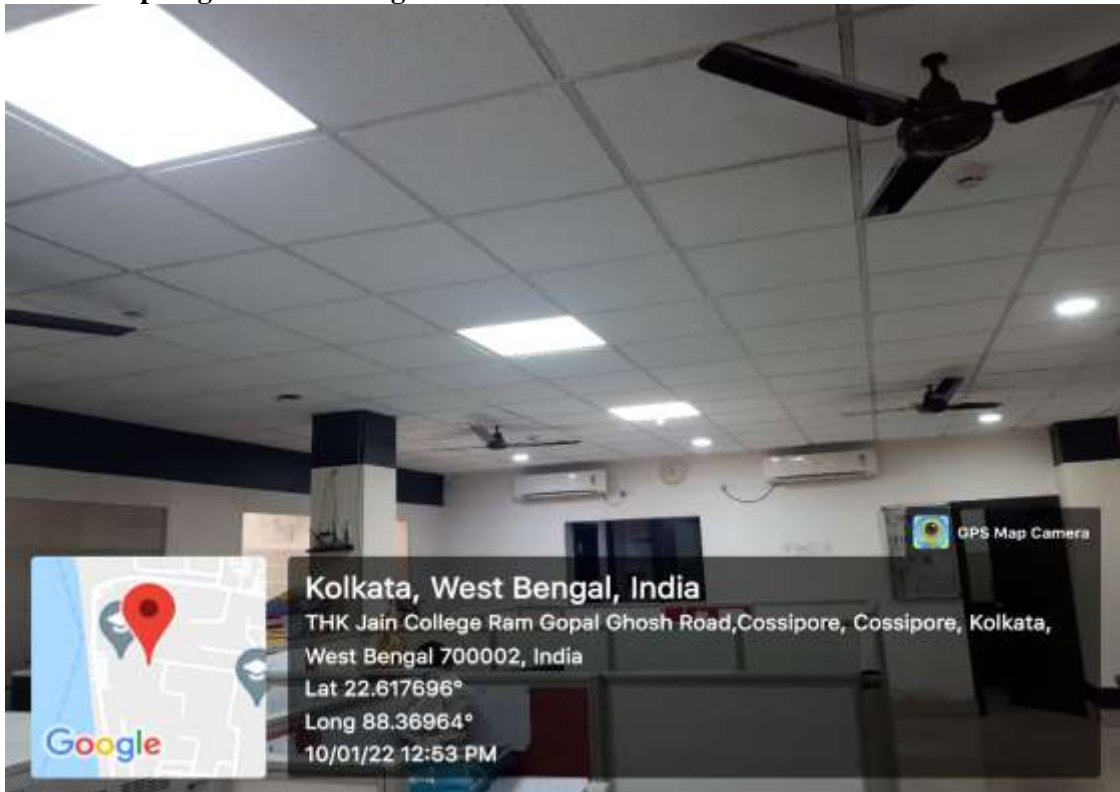
**A. The main electric board outside:**

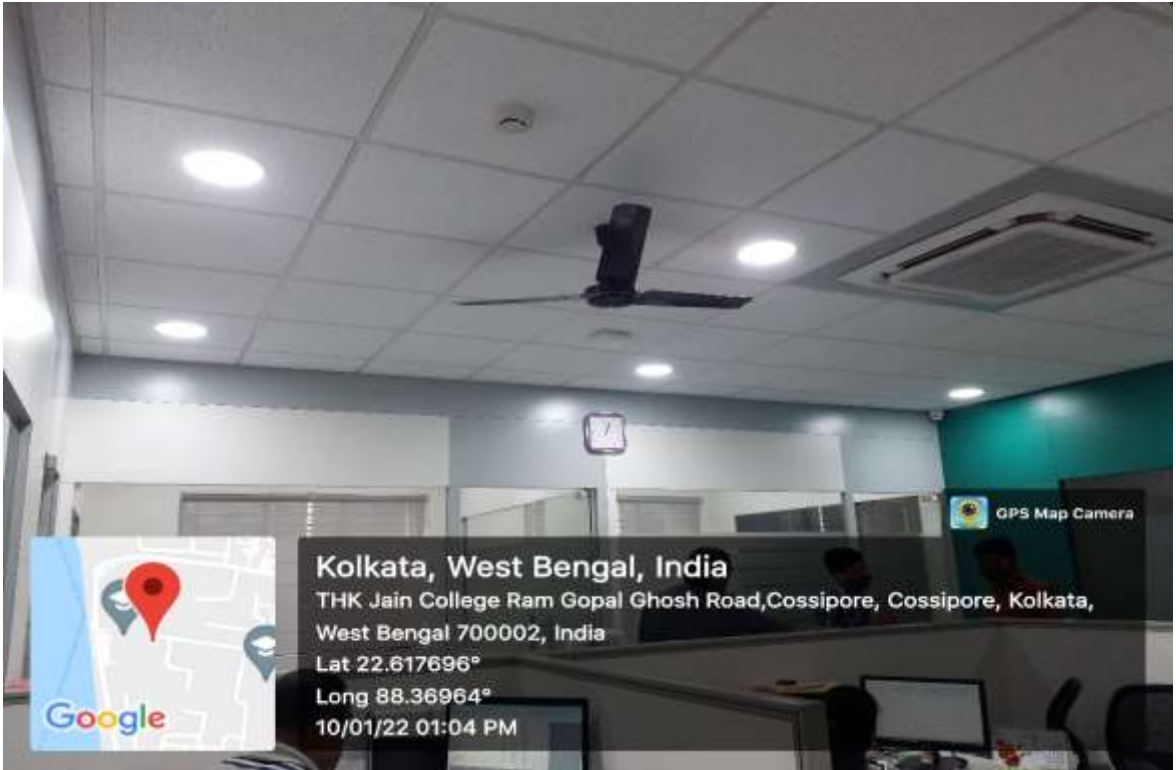


**B. The electric meters:**



**C. The LED spotlights and tube lights in various rooms and classes:**





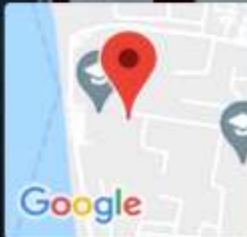
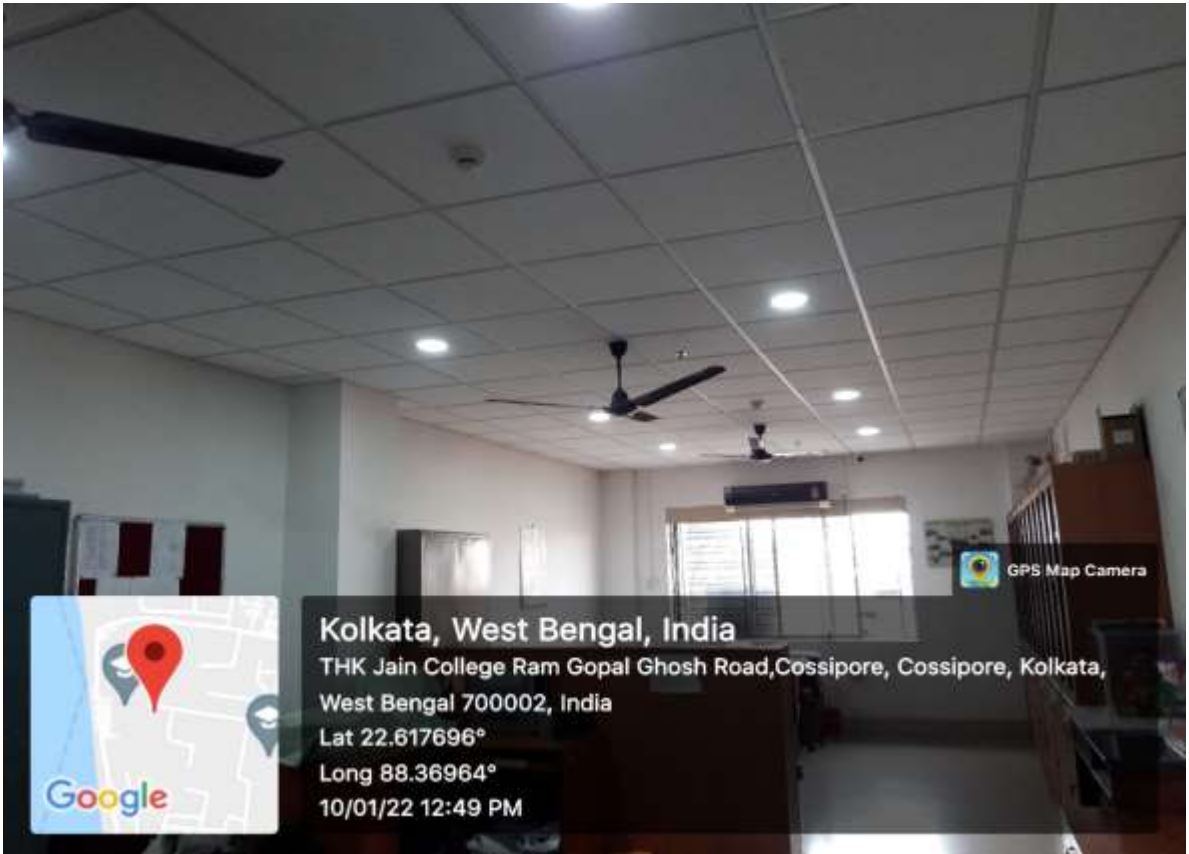
**Kolkata, West Bengal, India**

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West Bengal 700002, India

Lat 22.617696°

Long 88.36964°

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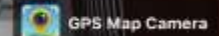
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