



**Waghire College of Arts Commerce and Science,  
Saswad, Tal-Purandar, Dist-Pune**

### **7.1.2: The Institution has facilities and initiatives for Alternate Energy Sources**

- We have 16 solar lamps
- we have 48 solar panels which covers approximately 1152 square feet area.
- Annual power requirements met by the renewable energy sources is 3.9KWH.
- we also use LED tubes and bulbs.

## **Alternate Energy Sources**

### *Solar energy*



we have 48 solar panels which covers approximately 1152 square feet area.

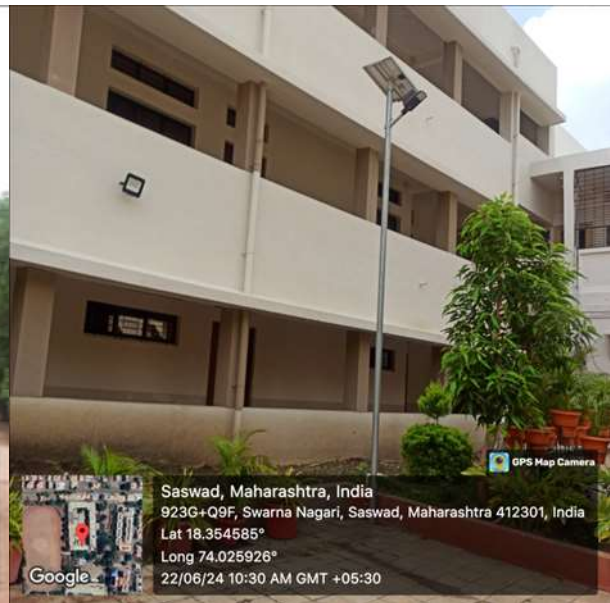
**Solar panels mounted on roof**



Solar panels mounted on roof

# Alternate Energy Sources

## 16 solar lamps



Solar lamp Infront of girls' hostel

## Wheeling to the Grid



Solar Panel Meter



Latitude: 18.354929  
Longitude: 74.025752  
Elevation: 719.88±15 m  
Accuracy: 116.1 m  
Time: 17-11-2021 12:03  
Note: solar meter reading4

**Solar panel meter**



Latitude: 18.354858  
Longitude: 74.025648  
Elevation: 719.68±15 m  
Accuracy: 87.6 m  
Time: 17-11-2021 12:03  
Note: solar meter reading2

**Technician taking reading of solar panel meter**

# Energy Conservation Measures

## Signage-Instruction Board for Energy Conservation



*Use of LED bulbs/ power efficient equipment*



IQAC



Examination



Chemistry Lab





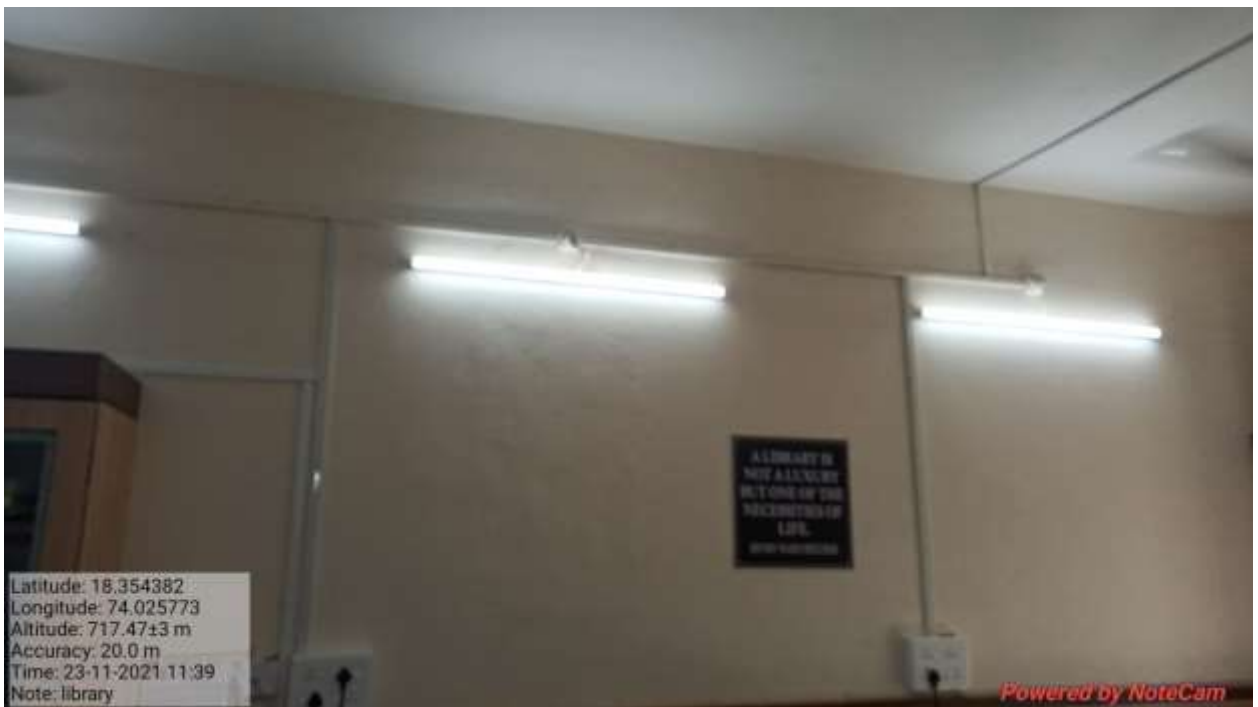
Food Lab



Office



Gymnasium



library



Electronic Lab



Commerce Dept.



Zoology Passage





**Total LED Tubes-81**

**Total LED Bulbs-27**

# A.Y. DESHPANDE

Electrical Contractor & Installation

58/537, Gokhale Nagar, Nr. Baramati Hostel, Pune-411 016. Mobile : 9527529775 / 9421440449

Bill

Date : 27<sup>th</sup> December , 2018

Bill No. 027

To,  
The Principal,  
Wagere College,  
Saswad, Tal Purander, Dist. Pune

Ref No. PDEA/ACCOUNT SECTION/03-2018-19/47-44/07 SEP 2018

| S.No.          | Particulars   | Quantity | Rate    | Amount             |
|----------------|---|----------|---------|--------------------|
| 1.             | 5 Amp light point casing modi, 1 sq. mm. polycab wire, switch socket vinay / equitant up to 15' | 122.0 no | 550.0   | 67,100.00          |
| 2.             | 25 mm. AL armored polycab cable laying meter to biology laying                                  | 20mtr.   | 295.00  | 5,900.00           |
| 3.             | Arthing job 25 x 3 patti, 1 x 1 vertical height canteen   | 01 job   | -       | 5,500.00           |
| 4.             | Fan Fastner Double  | 30 No.   | 250.00  | 7,500.00           |
| 5.             | 10/25 amp MCB installation  | 010 nos. | 500     | 5,000.00           |
| 6.             | 4mm main bus bar to MCB laying  | 382 foot | 58.00   | 22,156.00          |
| 7.             | 1.5mm main SB to DB laying  | 455 foot | 36.00   | 17,250.00          |
| 8.             | Expose fan 9 inch instoletion   | 6 no.    | 1900.00 | 11,400.00          |
| 9.             | Extra work Passeege & other   | 1 job    | -       | 20,000.00          |
| 10.            | DB TPN instoletion biology  | 1 job    | -       | 12,000.00          |
| 11.            | 15 Amp power point 4mm  | 13no.    | 1300    | 16,900.00          |
| 12.            | 4 LAD TUBES PHILIPS   | 60 NO    | 525.00  | 31,500.00          |
| 13.            | Fan dimmer  | 30no.    | 270     | 8,100.00           |
| 14.            | 8/9 w LAD fitting , laibrarynd other instoletion  | 25no.    | 650     | 16,250.00          |
| 15.            | 1MM main point two SB   | 300f     | 32.00   | 9,600.00           |
|                |   |          |         | 2,56,196 = 00      |
| <b>Total :</b> |   |          |         | <b>2,56,471.00</b> |

10% Discount - 25,647RS - 824Rs = 2, 30,000.00RS) Two Lakh Thirty Thousand Only

2,56,196 - 25620 = 2,30,576

Final Amount : 2, 30,000.00

25620 = - 576 =  
27/12/18  
27/12/18  
27/12/18  
Filling  
AS  
TPS

|                                      |      |              |
|--------------------------------------|------|--------------|
| <b>Waghire College, Saswad, Pune</b> |      |              |
| Inward No.                           | 714  | Dr. 11/12/18 |
| For Action :                         |      |              |
| Information :                        |      |              |
| Record :                             |      |              |
| Clerks                               | O.S. | Principal    |

For A. Y. Deshpande

PROPRIETOR