
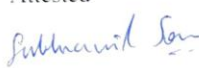


## 1. Alternate Sources of Energy and Energy Conservation Measures

### Relevant Policy Documents:

Excerpts from various G.B meetings:

- 1) Work of installing Solar Power (dated 4/9/15)

		<b>BHAIRAB GANGULY COLLEGE</b> (Government Aided) 'A' Accredited Institute by NAAC Belgharia, Kolkata-700 056 Phone : (033) 2553 2280 / (033) 2564 3191 E-mail : principal.office@bhairabgangulycollege.ac.in bhairab1968@gmail.com Website : www.bhairabgangulycollege.ac.in
Ref. No. ....	Date . ....	
<b>Excerpt from the Minutes of the meeting of the Governing Body held on 04.09.2015</b>		
<b>Under the Item No.-1</b>		
The Principal reported that the actions / recommendations / suggestions adopted in the meeting dated 25-07-2015 have been successfully initiated e.g.		
<ol style="list-style-type: none"><li>i) Medicinal Plants Garden, e-resource zone, e-class room have been set-up.</li><li>ii) Date of inauguration of the same by Prof. Saugata Ray, Hon'ble M.P. is fixed on 17-10-2015.</li><li>iii) Work of construction of Museum is in concluding phase.</li><li>iv) Relevant papers for career advancement of Dr. Manisha Sarkar have been submitted to the H.E. Department.</li><li>v) Five P.G. Courses under DDE, V.U. have been introduced from the current academic session.</li><li>vi) Work of installing solar power plant has been initiated following prevailing norms with Sun Power Energy Technology, a channel partner of Ministry of New &amp; renewable Energy (MNRE), Govt. of India.</li><li>vii) The paraphernalia for formation of Employees' Co-operative Credit Society have been done and the said society is already operative.</li><li>viii) The proposal to set-up Rain Water Harvesting System by the Dept. of Geography followed by a project report of the said department is on the verge of materialization.</li></ol>		
		Sd/-President Governing Body, Bhairab Ganguly College
Attested  (Subhranil Som) Principal		
Principal & Secretary Bhairab Ganguly College Belgharia, Kolkata - 56		

2) Installation of Solar Power Plant completed (dated 10/2/16)

## BHAIRAB GANGULY COLLEGE



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bhairab1968@gmail.com

Website : www.bhairabgangulycollege.ac.in

Ref. No. ....

Date . ....

Excerpt from the Minutes of the meeting of the Governing Body held on 10-02-2016

Under the Item No.-2

Principal, Dr. Ray reported that as per suggestions adopted in the G.B. meeting dated 04.09.2015, the works of Medicinal Plants Garden, e-resource zone, e-class room, construction of Museum of the Dept. of History, installation of solar power plant, formation of Employees' Co-operative Credit Society and introduction of Rain Water Harvesting System by the Dept. of Geography and Butterfly garden by the Department of Zoology have already been completed maintaining proper procedure.

Sd/-President

Governing Body, Bhairab Ganguly College

Attested

(Subhranil Som)

Principal

Principal & Secretary  
Bhairab Ganguly College  
Belgharia, Kolkata - 56

- 3) Proposal for installation of separate meter for Solar Power System (dated 19/1/21)

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bhairab1968@gmail.com

Website : www.bhairabgangulycollege.ac.in

Ref. No. ....

Date : .....

**Excerpt from the Minutes of the meeting of the Governing Body held on 19-01-2021**

**Under the Item No.-5**

The Vice Principal reported that due to the persistent and committed endeavours of Dr. Kalyan Rudra, Chairman, West Bengal Pollution Control Board, the college has started receiving necessary equipment for **installation of solar power system**. The House heartily lauded Dr. Rudra's tireless effort and requested Vice Principal to complete the work at the earliest convenience. CA Srikumar Banerjee suggested that the college contact the CESC and appeal for installation of separate meter so that actual generation of power through solar system could be properly measured.

Sd/-President

Governing Body, Bhairab Ganguly College

Attested

*Subhranil Som*


(Subhranil Som)

Principal

**Principal & Secretary**  
**Bhairab Ganguly College**  
**Belgharia, Kolkata - 56**

Excerpts from Finance and Purchase Sub-Committee meeting:

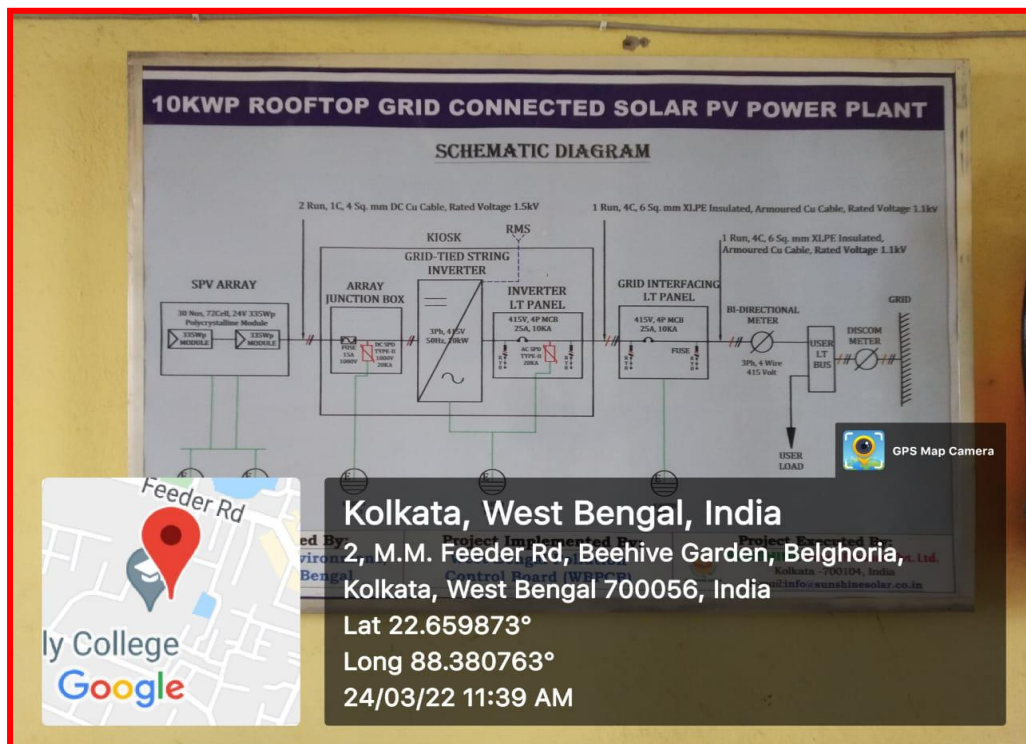
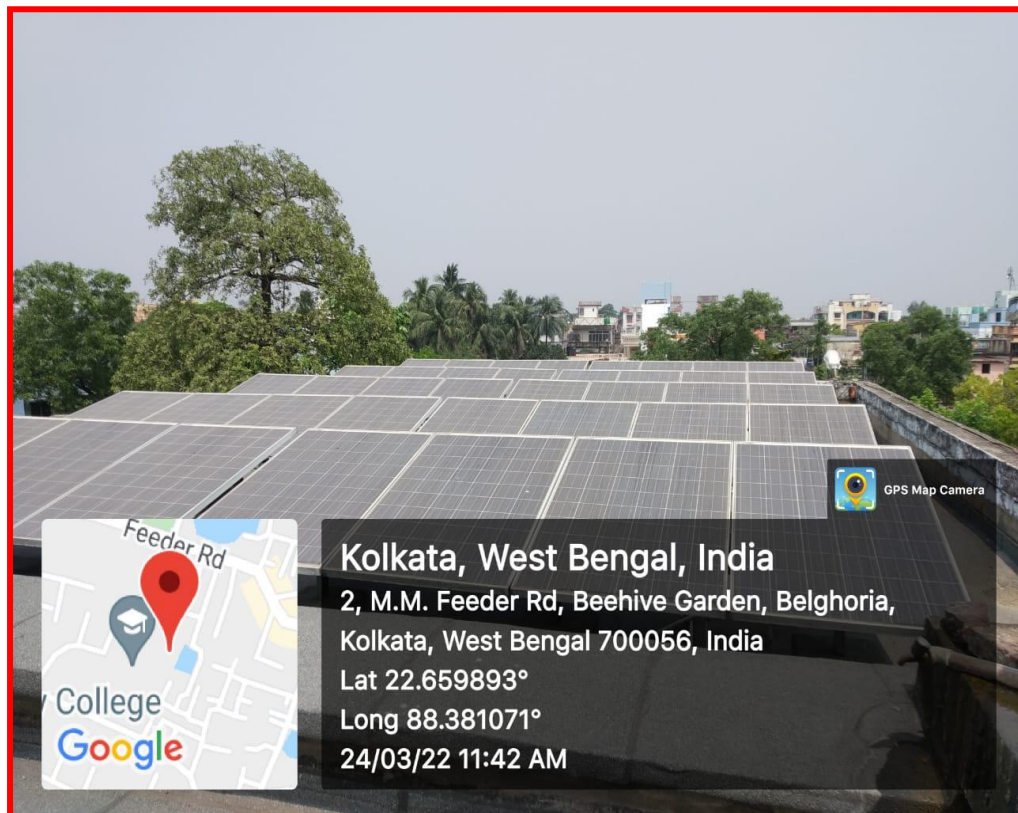
- 1) Installation of one Solar powered High mast (dated 06/2/23)

<b>BHAIRAB GANGULY COLLEGE</b>	
<b>(Government Aided)</b>	
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<b>Phone : (033) 2553 2280 / (033) 2564 3191</b>	
<b>E-mail : principal.office@bhairabgangulycollege.ac.in</b>	
<b>bhairab1968@gmail.com</b>	
<b>Website : www.bhairabgangulycollege.ac.in</b>	
<b>Ref. No. ....</b>	<b>Date . ....</b>
<b>Excerpt from the Minutes of the meeting of the Finance and Purchase Sub-Committee</b>	
<b>held on 06-02-2023 under the Item No. - 3</b>	
Item No.-3 Principal reported the House that -	
<ul style="list-style-type: none"><li>i) Foundation work of a monument/stage for the International Mother Language Day in our college campus has been continuing.</li><li>ii) Extension works of "Heritage", the museum of History Department has been continuing.</li><li>iii) Work for beautification of pond side area in the campus has been continuing.</li><li>iv) One Solar powered High Mast has been installed beside the statue of Bhairab Chandra Ganguly.</li><li>v) To increase Rainwater Harvesting System, one additional reservoir has been installed.</li><li>vi) Extension and up-gradation of Gymnasium has been continuing.</li><li>vii) Some wooden works in different places of campus has to be started shortly.</li></ul>	
Sd/-President Governing Body, Bhairab Ganguly College	
Attested  (Subhranil Som) Principal	
Principal & Secretary Bhairab Ganguly College Belgharia, Kolkata - 56	

Geo tagged photographs and videos with caption

Geo tagged photographs with caption:

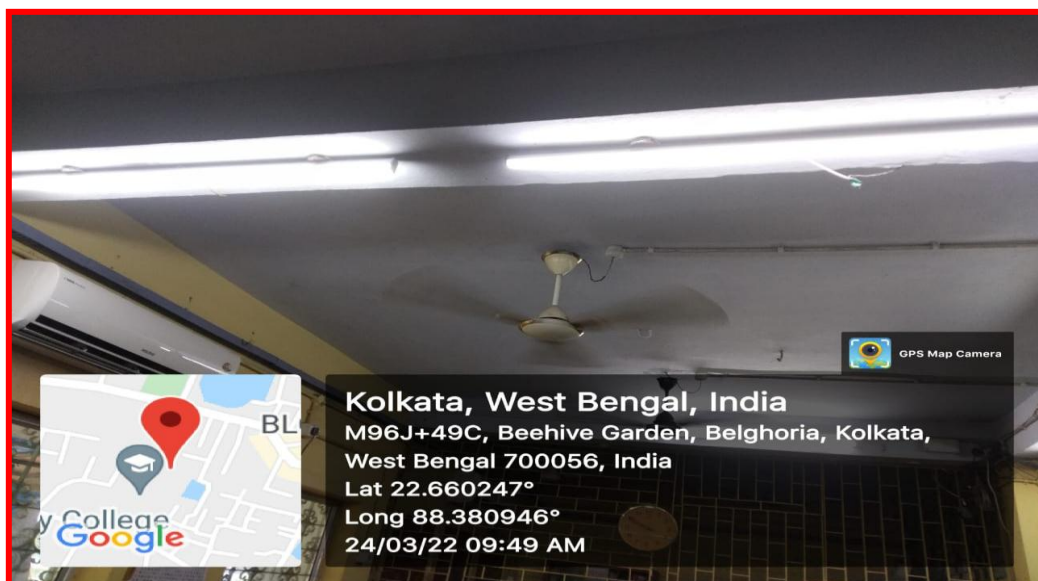
Solar Energy: Two panels of 10 KWP each



## Solar Powered High Mast



## Use of LED tube light



## Video link and GPS information related to Alternative Sources of Energy and Energy Conservation Measures (Solar)

<https://bhairabgangulycollege.ac.in/wp-content/uploads/2023/04/1.Alternative-sources-of-energy-and-energy-conservation-measuresSolar.mp4>



### Bills for the purchase of equipment

- 1) Payment voucher of Solar Power Plant (dated 29/4/16)

**BHAIRAB GANGULY COLLEGE**  
Belgharia, Kolkata- 700056  
Phone: 2553-2280, 2564-3191  
[www.bhairabgangulycollege.ac.in](http://www.bhairabgangulycollege.ac.in)

**Payment Voucher**

---

To \_\_\_\_\_

Voucher No.: **V161078** Date: **29-04-2016**

---

On A/c \_\_\_\_\_ Amount (Rs.) \_\_\_\_\_

**SOLAR POWER PLANT** 151,620.00

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Rupees one lakh fifty one thousand six hundred twenty only. Total (Rs.) **151,620.00**

---

Payment Mode: **BOB DEVELOPMENT FUND** Ch No: **000396** Ch Dt: **29-04-2016**

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**SUNPOWER TECH PVT. LTD.-BEING THE AMOUNT PAID TO SUN POWER TECH PVT. LTD.**

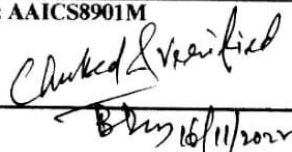


Received Payment

Accountant/Cashier \_\_\_\_\_ Bursar \_\_\_\_\_ Principal \_\_\_\_\_

Prepared by: SuperUser **Bursar** **Principal**

**BHAIRAB GANGULY COLLEGE** **Bhairab Ganguly College**  
**Belgharia, Kol-56** **Belgharia, Kolkata - 56**

Accountant  
**Bhairab Ganguly College**  
**Belghoria, Kolkata - 56**

- | <b>PROFORMA INVOICE</b><br><b>SUNPOWER Energy Technologies Pvt. Ltd.</b><br>( Mfr.of Renewable Energy Systems & Spare/Parts)<br>130/20/1,Bakrahat Road,Hanspukur Greenpark, P.O - Joka, Kolkata-700104,West Bengal<br>Phone. No. - +91 9073942426, E-mail: info@sunpowertech.co.in<br>GSTIN:19AAICS8901M1ZQ                                              |                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                      |                     |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| <b>Sl. No. :SET2223PINV/001</b><br><b>Date : 16.07.2022</b>                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                             | <b>Customer Bill to Address:</b><br>To<br>The Principal<br>Bhairab Ganguly College<br>Feeder Road,Belgharia, Kolkata-700056                                                                                                                                                                                                          |                     |                       |
|                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                             | <b>Our Bank Details :</b><br>Bank Name: State Bank of India<br>Branch Name & Code : Behala (01522)<br>Bank Account No: 30983771324<br>IFSC Code :SBIN0001522<br><b>Payment Terms : 100% payment in Advance</b>                                                                                                                       |                     |                       |
|                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                             | <b>Currency : INR</b>                                                                                                                                                                                                                                                                                                                |                     |                       |
| Sl. No.                                                                                                                                                                                                                                                                                                                                                  | Description of Goods / Services                                                                                                                                                                                                                                                                                             | Total Qty                                                                                                                                                                                                                                                                                                                            | Unit Price (In Rs.) | Total Amount (in Rs.) |
| 1                                                                                                                                                                                                                                                                                                                                                        | <b>SOLAR PHOTOVOLTAIC DEVICES AND SPARE PARTS / SOLAR POWER GENERATING SYSTEM &amp; SPARE PARTS</b><br><br>Supply of 10 KW grid tied Inverter<br><br><br><br><br><br><br><br><br><br><br>Add: GST @12%<br>SET2223PINV/001 Bill Amount . 72800<br>SET2223PINV/002 / Bill Amount. 4130<br>76930<br>Less: TDS 2% 1539<br>75391 | 1 Set                                                                                                                                                                                                                                                                                                                                | 65,000.00           | 65,000.00             |
|                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                      |                     | 7,800.00              |
| <b>Total Amount (in Rs.)</b>                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                      |                     | <b>72,800.00</b>      |
| Amount (in Words) : Rupees Seventy Two Thousand Eight Hundred Only                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                      |                     |                       |
| IT PAN NO.: AAICS8901M<br><div style="text-align: center;"> <br/>                     Checked &amp; Verified<br/>                     Bursar<br/>                     Bhairab Ganguly College<br/>                     Belgharia, Kolkata - 56                 </div> |                                                                                                                                                                                                                                                                                                                             | For Sunpower Energy Technologies Pvt.Ltd<br><div style="text-align: center;"> <br/> <br/>                     (Authorised Signatory)                 </div> |                     |                       |

- 3) Tax invoice of the installation of a complete set 9 Mtr. Octagonal GI Pole Solar Light High Mast Tower Lightning System (dated 30/1/23)

<b>SARN Solar Solution Private Limited</b>									
Office Address: "SWAPNA NEER" Apartment, 1st Floor, R.N.C Road; Subhasgram. West Bengal, Koll 700147. (Follow GPS). CONTACT NUMBER: 9432689034 / 7003792405 / 7980181480 / 87770549 Whats app No.: 9432689034 / 7980181480 ; Mail ID: sarnsolar@gmail.com / contact@sarnsolar.in PAN: ABBCS5489G; GSTIN: 19ABBCS5489G1ZV									
<b>Tax Invoice</b>									
Work Order Reference Number: 1964/ Work Order/2023 on Dated 09/01/2023									
Invoice No: SSSPLT1/012023/03									
Date : 30/01/2023									
Reverse Charge (YES/NO):					NO				
State: WEST BENGAL					Code:		19		
Billing Details									
Name:		BHAIRAB GANGULY COLLEGE					Mob:		
Off. Address:		Feeder Road, Belghoria, Kolkata 700056, W.B, India					Contact person		Arup Da (947449 Principal (81789)
GSTIN:		N/A							
State:		West Bengal					Code		19
S. No.	Description of Service	HSN code / SAC	QTY.	Taxable Value	CGST		SGST/UTGST		
					Rate	Amount	Rate	Amount	
1	Installation of a Complete Set 9.00 Mtr. Octagonal GI Pole Solar Light High Mast Tower Lighting System with 6 No. 30 Watt at Bhairab Ganguly College, Belghoria.	HSN CODE: 9405	1	170000	6.00%	10,200	6.00%	10,200	
<b>Total</b>				1	170000		10,200	10,200	
(CGST: Central Goods and Services Tax, SGST: State Goods and Services Tax, IGST: Integrated Goods and Services Tax, UTGST: Union Territory Goods and Services Tax)									
Total Invoice amount in words								Total Amount before Tax	
<b>Rupees : ONE LAKH NINETY THOUSAND FOUR HUNDRED ONLY</b>								Add: CGST	
								Add: SGST/UTGST	
								Add: IGST	
								Total Tax Amount	
								Total Amount after Tax	
Bank Details								GST on Reverse Charge	
Bank A/C: 920020063669568								<i>Ayan Ghos</i>  <b>Authorised signator</b>	
Bank IFSC: UTIB0001481									
Bank Name: AXIS BANK									
Name as per Bank : SARN Solar Solution Private Limited									
Terms & conditions:									
1) Payment should be made in the name of "SARN Solar Solution Private Limited"									
Original For Recipient									
Duplicate for Supplier									
Triplicate for Transporter									
<div style="display: flex; justify-content: space-between;"> <div> <p>Checked and Verified Accountant Bhairab Ganguly College Belghoria, Kolkata - 56</p> <p><i>BDM 01/2/2023</i> <i>Bursar 01/2/2023</i></p> </div> <div> <p>Total Amount before Tax 170,000.00 Less: TDS 2% 3400.00 Add: - GST on Total Amount - (12%) 20900.00 Total Amount after Tax 187000.00</p> <p>SARN SOLAR SOLUTION PVT. LT Nisha DIRECT</p> </div> </div>									

**Brief Report**

College has used LED tube lights for managing power consumption of non-renewable energy. College also strategically use solar power as a renewable source of energy. To reduce electricity consumption the college has install two panels of 10 KWP grid connected roof top solar photovoltaic power plant. By using the solar panel College posted High Mast Light (30 watt).