

ENVIRONMENTAL CONSCIOUSNESS AND SUSTAINABILITY

Alternate Energy Initiatives Such as:

Percentage of annual power requirement of the Institution met by the renewable energy sources

64.77%

A Solar panel has been installed in the campus (documents annexed in this regard) which is being used as a renewable source of energy to generate power.

- Date of Installation of Solar Plant: 07-09-2016
- Units Produced: 1,56,921
- Rate per Unit =Rs. 4.65
- Amount Saved= Rs. 7,29,682.65

Total annual power requirement (in KWH)

- Total Annual Power Requirement met out by H.P State Electricity department =28,199 KWH
- Annual Power requirement met out of Solar Panel and Grid = 52,085 KWH
- Total (Annual) Power Consumption = 28,199+ 52085 = 80,284 KWH
- Cost of one unit in H.P.= Rs 4.65
- Money Saved Per Annum = 52,085X 4.65 = Rs. 2,42,195.25

Table 1 Energy Production and Consumption Chart

Energy Consumption before Installation of Solar Panel KWh (21 st July, 2015)	Energy Consumption after Installation of Solar Panel KWh (22 nd July, 2018)	Total Reduction after Installation of Solar Panel (KWh)
740	130	610



Figure 1 Solar light meter reflecting units produced



Figure 2 Solar panels installed on the roof of college building



Figure 3 Solar Power House

OFFICE OF THE PRINCIPAL
Swami Vivekanand Govt. College Ghumarwin,
Distt. Bilaspur (H.P.)

Voucher No. 10 to Voucher No. 10 Dated 24/11/16
Cheque No. 24/11/16 Rs. 2,92,500/- (only)
Amounting to Rs. 2,92,500/- for making
has been drafted in the name of Sh./M/s. for making
the payments of the undersigned vouchers which may kindly be signed
or directed for payments. P.S.D. / G.R.A.M.T.

V.No.	Description	Cheque No.	Amount
1	Material		2,92,500/-
2	Labour		
3	Transport		
4	Other		
5	Grand Total		Rs. 2,92,500/-

Prepared by: _____
Checked and Verified for Rs. 2,92,500/-

By: S.V.G.C. Ghumarwin
Distt. Bilaspur (H.P.)

Treasurer PTA
S.V.G.C. Ghumarwin
Distt. Bilaspur (H.P.)

Principal
S.V.G.C. Ghumarwin
Distt. Bilaspur (H.P.)

Figure 4 Report showing expenses incurred on installation of solar plant

MAHARASHTRA STATE ELECTRICITY BOARD
"A STATE GOVERNMENT UNDERTAKING"
ELECTRICITY BILL for DOMESTIC CONSUMERS

Name of Sub-Division: _____
Office: 309
Telephone: _____
Complaint: 14/6/16

Bill No. KLDW-3
Reading Date: 10/6/16
Due Date: 21-7-15

S. No.	Description of Item	Amount	E. Duty	MC Tax	Total Payable
1.	Current energy charges as per MSEDCL Tariff	3478			
2.	Govt. Subsidy against interest on loan				
3.	Energy Charges Payable / Payee (to be filled)				
4.	Consumer Service Charge for others	210			
5.	Meter rent (if any)	115			
6.	Sanitary Charges (if any)				
7.	Sanitary Allowance (if any)				
8.	Electricity Allowance (if any)				
9.	Ar. Adjustment (if any)				
10.	HVSR (if any on item 1 to 9)				
11.	LVSS (if any on item 1 to 9)	140			
12.	LVMS (if any on item 1 to 9)	287			
13.	DLP (if any)	577			
14.	Outstanding Amount (if any)				
15.	Total (Sr. No. 2 to 14)	5639			5639
16.	Amount payable by due date (Sr. No. 15)				
17.	Like payment Surcharge 1% on item 15				
18.	Including MC Tax & E. Duty (if any)	5639			5639
19.	Amount payable after due date (18+17)				

Sub Divisional Officer

Figure 5 Electricity Bills

MAHARASHTRA STATE ELECTRICITY BOARD LIMITED
Electricity Bill for the month of July-18
Sub-Division: GHUMARWIN SUB-DIVISION
Sub-Division code: 3223

Customer Code: _____

Sl. No.	Description	Rate	Value	Amount
1.	Energy Charge	130.00	100.00	13000.00
2.	Minimum Demand Charge	100.00	100.00	10000.00
3.	Power Factor Charge	100.00	100.00	10000.00
4.	Energy Charge	130.00	100.00	13000.00
5.	Minimum Demand Charge	100.00	100.00	10000.00
6.	Power Factor Charge	100.00	100.00	10000.00
7.	Energy Charge	130.00	100.00	13000.00
8.	Minimum Demand Charge	100.00	100.00	10000.00
9.	Power Factor Charge	100.00	100.00	10000.00
10.	Energy Charge	130.00	100.00	13000.00
11.	Minimum Demand Charge	100.00	100.00	10000.00
12.	Power Factor Charge	100.00	100.00	10000.00
13.	Energy Charge	130.00	100.00	13000.00
14.	Minimum Demand Charge	100.00	100.00	10000.00
15.	Power Factor Charge	100.00	100.00	10000.00
16.	Energy Charge	130.00	100.00	13000.00
17.	Minimum Demand Charge	100.00	100.00	10000.00
18.	Power Factor Charge	100.00	100.00	10000.00
19.	Energy Charge	130.00	100.00	13000.00
20.	Minimum Demand Charge	100.00	100.00	10000.00
21.	Power Factor Charge	100.00	100.00	10000.00
22.	Energy Charge	130.00	100.00	13000.00
23.	Minimum Demand Charge	100.00	100.00	10000.00
24.	Power Factor Charge	100.00	100.00	10000.00
25.	Energy Charge	130.00	100.00	13000.00
26.	Minimum Demand Charge	100.00	100.00	10000.00
27.	Power Factor Charge	100.00	100.00	10000.00
28.	Energy Charge	130.00	100.00	13000.00
29.	Minimum Demand Charge	100.00	100.00	10000.00
30.	Power Factor Charge	100.00	100.00	10000.00
31.	Energy Charge	130.00	100.00	13000.00
32.	Minimum Demand Charge	100.00	100.00	10000.00
33.	Power Factor Charge	100.00	100.00	10000.00
34.	Energy Charge	130.00	100.00	13000.00
35.	Minimum Demand Charge	100.00	100.00	10000.00
36.	Power Factor Charge	100.00	100.00	10000.00
37.	Energy Charge	130.00	100.00	13000.00
38.	Minimum Demand Charge	100.00	100.00	10000.00
39.	Power Factor Charge	100.00	100.00	10000.00
40.	Energy Charge	130.00	100.00	13000.00
41.	Minimum Demand Charge	100.00	100.00	10000.00
42.	Power Factor Charge	100.00	100.00	10000.00
43.	Energy Charge	130.00	100.00	13000.00
44.	Minimum Demand Charge	100.00	100.00	10000.00
45.	Power Factor Charge	100.00	100.00	10000.00
46.	Energy Charge	130.00	100.00	13000.00
47.	Minimum Demand Charge	100.00	100.00	10000.00
48.	Power Factor Charge	100.00	100.00	10000.00
49.	Energy Charge	130.00	100.00	13000.00
50.	Minimum Demand Charge	100.00	100.00	10000.00
51.	Power Factor Charge	100.00	100.00	10000.00
52.	Energy Charge	130.00	100.00	13000.00
53.	Minimum Demand Charge	100.00	100.00	10000.00
54.	Power Factor Charge	100.00	100.00	10000.00
55.	Energy Charge	130.00	100.00	13000.00
56.	Minimum Demand Charge	100.00	100.00	10000.00
57.	Power Factor Charge	100.00	100.00	10000.00
58.	Energy Charge	130.00	100.00	13000.00
59.	Minimum Demand Charge	100.00	100.00	10000.00
60.	Power Factor Charge	100.00	100.00	10000.00
61.	Energy Charge	130.00	100.00	13000.00
62.	Minimum Demand Charge	100.00	100.00	10000.00
63.	Power Factor Charge	100.00	100.00	10000.00
64.	Energy Charge	130.00	100.00	13000.00
65.	Minimum Demand Charge	100.00	100.00	10000.00
66.	Power Factor Charge	100.00	100.00	10000.00
67.	Energy Charge	130.00	100.00	13000.00
68.	Minimum Demand Charge	100.00	100.00	10000.00
69.	Power Factor Charge	100.00	100.00	10000.00
70.	Energy Charge	130.00	100.00	13000.00
71.	Minimum Demand Charge	100.00	100.00	10000.00
72.	Power Factor Charge	100.00	100.00	10000.00
73.	Energy Charge	130.00	100.00	13000.00
74.	Minimum Demand Charge	100.00	100.00	10000.00
75.	Power Factor Charge	100.00	100.00	10000.00
76.	Energy Charge	130.00	100.00	13000.00
77.	Minimum Demand Charge	100.00	100.00	10000.00
78.	Power Factor Charge	100.00	100.00	10000.00
79.	Energy Charge	130.00	100.00	13000.00
80.	Minimum Demand Charge	100.00	100.00	10000.00
81.	Power Factor Charge	100.00	100.00	10000.00
82.	Energy Charge	130.00	100.00	13000.00
83.	Minimum Demand Charge	100.00	100.00	10000.00
84.	Power Factor Charge	100.00	100.00	10000.00
85.	Energy Charge	130.00	100.00	13000.00
86.	Minimum Demand Charge	100.00	100.00	10000.00
87.	Power Factor Charge	100.00	100.00	10000.00
88.	Energy Charge	130.00	100.00	13000.00
89.	Minimum Demand Charge	100.00	100.00	10000.00
90.	Power Factor Charge	100.00	100.00	10000.00
91.	Energy Charge	130.00	100.00	13000.00
92.	Minimum Demand Charge	100.00	100.00	10000.00
93.	Power Factor Charge	100.00	100.00	10000.00
94.	Energy Charge	130.00	100.00	13000.00
95.	Minimum Demand Charge	100.00	100.00	10000.00
96.	Power Factor Charge	100.00	100.00	10000.00
97.	Energy Charge	130.00	100.00	13000.00
98.	Minimum Demand Charge	100.00	100.00	10000.00
99.	Power Factor Charge	100.00	100.00	10000.00
100.	Energy Charge	130.00	100.00	13000.00
101.	Minimum Demand Charge	100.00	100.00	10000.00
102.	Power Factor Charge	100.00	100.00	10000.00
103.	Energy Charge	130.00	100.00	13000.00
104.	Minimum Demand Charge	100.00	100.00	10000.00
105.	Power Factor Charge	100.00	100.00	10000.00
106.	Energy Charge	130.00	100.00	13000.00
107.	Minimum Demand Charge	100.00	100.00	10000.00
108.	Power Factor Charge	100.00	100.00	10000.00
109.	Energy Charge	130.00	100.00	13000.00
110.	Minimum Demand Charge	100.00	100.00	10000.00
111.	Power Factor Charge	100.00	100.00	10000.00
112.	Energy Charge	130.00	100.00	13000.00
113.	Minimum Demand Charge	100.00	100.00	10000.00
114.	Power Factor Charge	100.00	100.00	10000.00
115.	Energy Charge	130.00	100.00	13000.00
116.	Minimum Demand Charge	100.00	100.00	10000.00
117.	Power Factor Charge	100.00	100.00	10000.00
118.	Energy Charge	130.00	100.00	13000.00
119.	Minimum Demand Charge	100.00	100.00	10000.00
120.	Power Factor Charge	100.00	100.00	10000.00
121.	Energy Charge	130.00	100.00	13000.00
122.	Minimum Demand Charge	100.00	100.00	10000.00
123.	Power Factor Charge	100.00	100.00	10000.00
124.	Energy Charge	130.00	100.00	13000.00
125.	Minimum Demand Charge	100.00	100.00	10000.00
126.	Power Factor Charge	100.00	100.00	10000.00
127.	Energy Charge	130.00	100.00	13000.00
128.	Minimum Demand Charge	100.00	100.00	10000.00
129.	Power Factor Charge	100.00	100.00	10000.00
130.	Energy Charge	130.00	100.00	13000.00
131.	Minimum Demand Charge	100.00	100.00	10000.00
132.	Power Factor Charge	100.00	100.00	10000.00
133.	Energy Charge	130.00	100.00	13000.00
134.	Minimum Demand Charge	100.00	100.00	10000.00
135.	Power Factor Charge	100.00	100.00	10000.00
136.	Energy Charge	130.00	100.00	13000.00
137.	Minimum Demand Charge	100.00	100.00	10000.00
138.	Power Factor Charge	100.00	100.00	10000.00
139.	Energy Charge	130.00	100.00	13000.00
140.	Minimum Demand Charge	100.00	100.00	10000.00
141.	Power Factor Charge	100.00	100.00	10000.00
142.	Energy Charge	130.00	100.00	13000.00
143.	Minimum Demand Charge	100.00	100.00	10000.00
144.	Power Factor Charge	100.00	100.00	10000.00
145.	Energy Charge	130.00	100.00	13000.00
146.	Minimum Demand Charge	100.00	100.00	10000.00
147.	Power Factor Charge	100.00	100.00	10000.00
148.	Energy Charge	130.00	100.00	13000.00
149.	Minimum Demand Charge	100.00	100.00	10000.00
150.	Power Factor Charge	100.00	100.00	10000.00
151.	Energy Charge	130.00	100.00	13000.00
152.	Minimum Demand Charge	100.00	100.00	10000.00
153.	Power Factor Charge	100.00	100.00	10000.00
154.	Energy Charge	130.00	100.00	13000.00
155.	Minimum Demand Charge	100.00	100.00	10000.00
156.	Power Factor Charge	100.00	100.00	10000.00
157.	Energy Charge	130.00	100.00	13000.00
158.	Minimum Demand Charge	100.00	100.00	10000.00
159.	Power Factor Charge	100.00	100.00	10000.00
160.	Energy Charge	130.00	100.00	13000.00
161.	Minimum Demand Charge	100.00	100.00	10000.00
162.	Power Factor Charge	100.00	100.00	10000.00
163.	Energy Charge	130.00	100.00	13000.00
164.	Minimum Demand Charge	100.00	100.00	10000.00
165.	Power Factor Charge	100.00	100.00	10000.00