



Maa Bharti P.G. College, Kota.



Self-Study Report

Criterion 7

**7.1.3 Policy document on environment and energy usage Certificate
from the auditing agency**

Maa Bharti P.G. College, Kota



Energy Audit Report

- The campus has a 40 KW Solar Power on grid system. The system was established in the year 2016 under RRECL (Rajasthan Renewable Energy Corporation Limited). The system was purchased from Adani Solar Private Ltd.
- The system is working efficiently and continuously from the time of establishment.
- From Sep 2018 to Aug 2023 the system has produced 194120.00 units of electricity as per the record.
- Campus is becoming self-sufficient in energy generation through sustainable methods like renewable energy.
- Saving environment through efficient energy usage as well as saving energy costs for the institution.
- Maintenance of electrical/electronic equipment is done regularly in the campus to optimize the power use.
- For energy saving purpose the incandescent bulbs and tube lights are being replaced by LED lights.
- Students and staff members are motivated to switch off lights, fans etc as and when they leave the room to save the energy.
- Awareness programmes are conducted for students to save the energy.
- Institute promotes the use of Star rated electric/electronic appliances like air conditioner, refrigerator etc.

Consolidation of Energy Audit Findings

S.NO.	BILL MONTH	UNITS CONSUMED	UNITS PRODUCED BY SOLAR SYSTEM
1	Aug-23	8060	3500
2	July-23	3300	2010
3	June-23	5620	4080
4	May-23	3620	3210
5	Apr-23	1370	4050
6	Mar-23	1480	4380
7	Feb-23	1420	3010
8	Jan-23	2120	1490
9	Dec-22	2420	1570
10	Nov-22	4240	1930
11	Oct-22	5320	2300
12	Sep-22	5420	1920
13	Aug-22	8260	1240
14	July-22	3360	1570
15	June-22	5360	4080
16	May-22	5800	2320
17	Apr-22	1980	4350
18	Mar-22	1500	4510
19	Feb-22	1260	3120
20	Jan-22	1460	2400
21	Dec-21	1440	2010
22	Nov-21	2720	1900
23	Oct-21	4020	2900
24	Sep-21	2540	3500
25	Aug-21	2640	2100
26	July-21	1140	5140
27	June-21	560	3000
28	May-21	1340	3205
29	Apr-21	1660	3100
30	Mar-21	700	2120
31	Feb-21	580	1000
32	Jan-21	560	1200
33	Dec-20	880	1610
34	Nov-20	1200	2100
35	Oct-20	1220	1800
36	Sep-20	1080	2510
37	Aug-20	1160	3130
38	July-20	460	3200
39	June-20	320	4100
40	May-20	340	4200
42	Apr-20	660	3900
43	Mar-20	1160	3120


44	Feb-20	1420	3640
45	Jan-20	1200	2410
46	Dec-19	2480	3420
47	Nov-19	3900	3860
48	Oct-19	5840	3150
49	Sep-19	5260	3320
50	Aug-19	8740	2120
51	July-19	4240	2810
52	June-19	6420	3200
53	May-19	8240	3070
54	Apr-19	3440	5100
55	Mar-19	2980	5020
56	Feb-19	2700	4720
57	Jan-19	2840	3140
58	Dec-18	3540	4600
59	Nov-18	7020	4140
60	Oct-18	6160	3260
61	Sep-18	6402	3100
Total		206352	194120

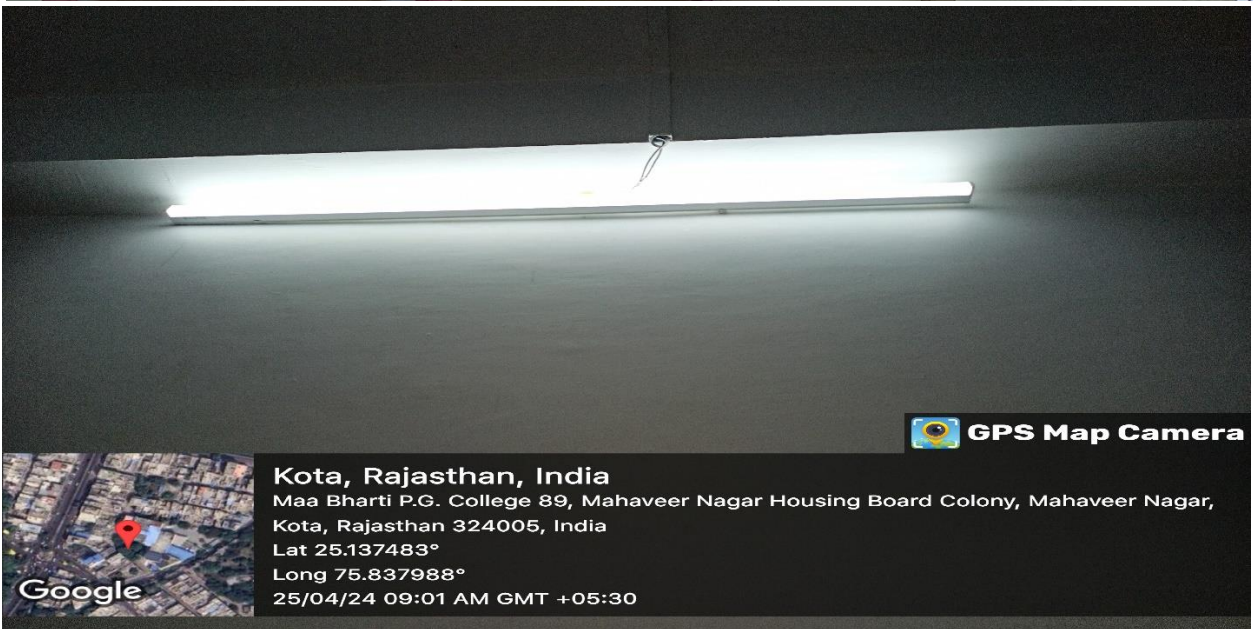
The energy audit was conducted in Maa Bharti P.G. College, Kota, Rajasthan. On the basis of the bills received and their analysis it was found that the total energy utilized by the institution from Sep 2018 to Aug 2023 was approximately 206352.00 units.

- The main source of power is the electricity purchased from Kota Electricity Distribution Limited (KEDL). The institution has already implemented many measures to decrease the dependence on conventional power.
- The institution has installed 40 KW solar plants connected with on grid system. This solar power system produced 194120.00 units of electricity from Sep 2018 to Aug 2023 which made college self-sufficient in energy generation through sustainable methods like renewable energy.



Kota, Rajasthan, India
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Lat 25.138794°
Long 75.839466°
06/04/24 11:28 AM GMT +05:30

 **GPS Map Camera**



Kota, Rajasthan, India
Maa Bharti P.G. College 89, Mahaveer Nagar Housing Board Colony, Mahaveer Nagar,
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Lat 25.137483°
Long 75.837988°
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 **GPS Map Camera**

