



Janki Devi Bajaj Government Girls College, Kota



Data Validation and Verification Criterion 7

7.1.3

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

JANKI DEVI BAJAJ GOVERNMENT GIRLS COLLEGE, KOTA



Energy Audit Report (2021-22)

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that, in Janki Devi Bajaj Government Girls College Kota energy efficient measures have been implemented by the installation of solar panel unit and use of LED lights in the campus. The installation of solar panel and use of LED lights has made the campus nearly self-reliant. The efforts of all staff members are commendable in making the campus self-reliant in fulfilling its energy requirement.

Date 10.05.2022

Place: Kota


Signature

विभागाध्यक्ष (विद्युत)
राजकीय पॉलिटेक्निक महाविद्यालय
कोटा

Energy Audit Report

- The campus has a 50 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 Green Ripples Private Ltd.
- The system is working efficiently and continuously from the time of establishment.
- From June 2018 to April 2022 the system has produced 149800 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, CFL lamps 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

	Bill Month	Units Consumed	Units produced by Solar system
1	Apr-2022	1700.00	3600
2	Mar-2022	1400.00	3580
3	Feb-2022	2520.00	2940
4	Jan-2022	4220.00	2080
5	Dec-2021	1860.00	2860
6	Nov-2021	1640.00	3620
7	Oct-2021	2800.00	2120
8	Sep-2021	5500.00	4500
9	Aug-2021	2141.00	0
10	Jul-2021	6060.00	14200
11	Jun-2021	2375.00	0
12	May-2021	2272.00	0
13	Apr-2021	2440.00	3560
14	Mar-2021	2080.00	3420
15	Feb-2021	2400.00	3720
16	Jan-2021	2240.00	4340
17	Dec-2020	2220.00	3740
18	Nov-2020	3140.00	3140
19	Oct-2020	2300.00	3720
20	Sep-2020	2460.00	1280
21	Aug-2020	4540.00	60
22	Jul-2020	3500.00	0
23	Jun-2020	3220.00	0
24	May-2020	6360.00	3560
25	Apr-2020	3649.00	0
26	Mar-2020	3020.00	2860
27	Feb-2020	4420.00	2620
28	Jan-2020	3300.00	2960
29	Dec-2019	3500.00	2440
30	Nov-2019	3620.00	3040
31	Oct-2019	4120.00	1360
32	Sep-2019	1780.00	1720
33	Aug-2019	2720.00	1500
34	Jul-2019	2980.00	1840
35	Jun-2019	5660.00	3000
36	May-2019	2980.00	2900
37	Apr-2019	1260.00	4820

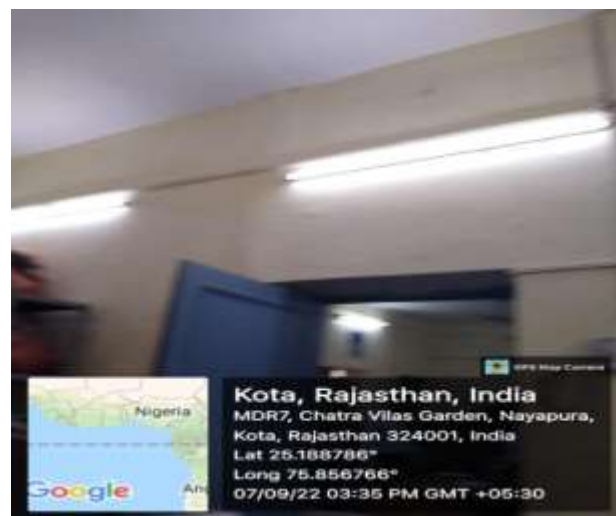
38	Mar-2019	1160.00	4900
39	Feb-2019	1560.00	3980
40	Jan-2019	2440.00	1120
41	Dec-2018	1940.00	6000
42	Nov-2018	1200.00	3680
43	Oct-2018	1520.00	2820
44	Sep-2018	1800.00	2220
45	Aug-2018	2700.00	1900
46	Jul-2018	2860.00	4360
47	Jun-2018	4700.00	17720
Total		136277.00	149800.00

- The energy audit was conducted in Janki Devi Bajaj Govt Girls 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 June 2018 to April 2022 was approximately 136277.00 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 50 KW solar plant connected with on grid system. This solar power system produced 149800.00 units of electricity from June 2018 to April 2022 which made college self-sufficient in energy generation through sustainable methods like renewable energy.

Solar Power System in the College



LED tube-lights



Star rated appliances



Latest Electricity Bill

KNO 2107 3300 8312 THE PRINCIPLE GIRLS COLLEGE N - MAIN GATE B-III KOTA Mob : 7442324074 E-mail : jdbcollege@gmail.com		Bill Month APR-2022 Due Date 18-04-2022 Units 1700		Sub-division : AEN(B3,KOTA) Bill No. : 21073300001798011 Bill Date : 08-04-2022 Service / Bill Status : Regular / Regular Bill Period : 1.0000																																																																	
Previous Payable(₹)	Payment Made(₹) (14-03-2022) (-) 3809	Arrears (₹) (=) 0	Current Bill (₹) (+) 10414.05	Total Payable by Due Date (₹) 10414	Current LPS (₹) 208.28	Payable after Due Date (₹) 10622																																																															
Electricity Bill Details <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2"></td> <td style="text-align: right;">Amount (₹)</td> </tr> <tr> <td colspan="2">Energy Charge</td> <td style="text-align: right;">13685.00</td> </tr> <tr> <td style="text-align: center;">Unit</td> <td style="text-align: center;">Rate (₹)</td> <td style="text-align: center;">Total (₹)</td> </tr> <tr> <td style="text-align: center;">1700</td> <td style="text-align: center;">8.05</td> <td style="text-align: center;">13685.00</td> </tr> <tr> <td colspan="2">Fixed / Demand Charges</td> <td style="text-align: right;">9148.79</td> </tr> <tr> <td colspan="2">Fuel Surcharge*</td> <td style="text-align: right;">1368.20</td> </tr> <tr> <td colspan="2">Power Factor Surcharge (+)(-)</td> <td style="text-align: right;">-102.64</td> </tr> </table>					Amount (₹)	Energy Charge		13685.00	Unit	Rate (₹)	Total (₹)	1700	8.05	13685.00	Fixed / Demand Charges		9148.79	Fuel Surcharge*		1368.20	Power Factor Surcharge (+)(-)		-102.64																																														
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Assistant Revenue Officer of sub-division B3 (Mob: 9116155199) is your Customer Account Manager.																																																																					
✉ विज्ञापन के लिए सम्पर्क करें kedl@rpsg.in																																																																					
कृपया ध्यान दें																																																																					
राजस्थान विद्युत विनियामक आयोग के आदेशानुसार आपको अपना मोबाईल नं., एवं ईमेल आईडी रजिस्टर (अपडेट) करना है। कृपया नीचे दर्शाये गये रिक्त स्थानों में अपना मोबाईल नं., और ईमेल आईडी लिखकर हमारे बिल भुगतान केन्द्र/ग्राहक सेवा केन्द्र/ऊपर दर्शाये गये व्हाट्सएप नंबर पर भेजें।																																																																					
के. नंबर		<input style="width: 100%;" type="text"/>			नाम		<input style="width: 100%;" type="text"/>																																																														



PAN: AARCS51RP
GST: 06AARCS51RP1231

Kota Electricity Distribution Limited

(A Distribution Franchisee of JVVNL)

https://cescrajasthan.co.in



RAJASTHAN
Email: kedl@rpsg.in

Helpline 0141-3532000 7230044001, 7230044002

CEN: 040100WB2012PLC181283

KNO 2107 3300 8312 THE PRINCIPLE GIRLS COLLEGE N - MAIN GATE B-II KOTA Mob : 7442324074 E-mail : jpbcolleges@gmail.com	Bill Month FEB-2022	Sub-division : AEN(B3,KOTA)
	Due Date 14-02-2022	Bill No. : 21073300001754410
Units 2520	Bill Date : 03-02-2022	Service / Bill Status : Regular / Regular
		Bill Period : 1.0000

Previous Payable (₹)	Payment Made (₹) (13-01-2022) (-) 29733	Arrears (₹) (+) 0	Current Bill (₹) (+) -5811.85	Total Payable by Due Date (₹) -5812	Current LPS (₹) 0.00	Payable after Due Date (₹) -5812
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Electricity Bill Details			Amount (₹)
Energy Charge			20286.00
Unit	Rate (₹)	Total (₹)	
2520	8.05	20286.00	
Fixed / Demand Charges			9148.79
Fuel Surcharge*			607.00
Power Factor Surcharge (+/-)			-324.58
Sub-Total			29717.21
Sundry Adjustment			-35529.06
Current Bill			-5811.85



Bank details for Payment through RTGS / NEFT Beneficiary / IFSC Code : KEDL / ICIC0000104 Account Number : KOTA210733008312
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Sundry Adjustment Code & Description	Amount (Rs.)
079 Power Pur. from Solar (SSPVs) Generators (2520 units)	-20286
123 SHORT/EXCESS PAID	-15092.14
142 Prompt Payment Incentive @ 0.35%	-150.92

*P.F. 18-19Q1 @0.05p.u. 2836 Innd=607.00.

Meter No	Unit	Current Reading	Current Reading Date	Previous Reading	Previous Reading Date	Reading Difference	MF	Taxes Levied	Unit (kWh)
XB493346	KWHI	8326.00	01-02-2022	8200.00	01-01-2022	126	20.0	0	2520
XB493346	KVAH	8819.00	01-02-2022	8690.00	01-01-2022	129	20.0	0	2580
XB493346	KVA	0.5400	01-02-2022	01-01-2022	01-01-2022	20.0	0.0000	0	10.8000
XB493346	KWHI (E)	8832	01-02-2022	8385	01-01-2022	447	20	0	2940
Solar Mtr XB493346	KWHI	0	02-02-2022	0	06-01-2022	0	20	0	0

Last 12 months Consumption	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
	2400	2080	2440	2272	2375	8060	2141	5500	2800	1640	1860	4220

Assistant Revenue Officer of sub-division B3 (Mob: 9116155199) is your Customer Account Manager. This is computer generated invoice no signature required (24/2)

⚡ विज्ञापन के लिए सम्पर्क करें kedl@rpsg.in कृपया ध्यान दें

राजस्थान विद्युत वित्तियामक आयोग के आदेशानुसार आपको अपना मोबाईल नं. एवं ईमेल आईडी रजिस्टर (अपडेट) करना है। कृपया नीचे दर्शाये गये रिक्त स्थानों में अपना मोबाईल नं. और ईमेल आईडी लिखकर हमारे बिल भुगतान केन्द्र/ग्राहक सेवा केन्द्र/ऊपर दर्शाये गये प्लेटफॉर्म नंबर पर भेजें।

फ़ोन नंबर	नाम
मोबाईल नं.	ईमेल आईडी

Record of Solar energy produced from KEDL

RNO: 210733008312

Name : THE PRINCIPLE GIRLS COLLEGE Sanctioned Load : 65.00 K

RESET					
K. No.	YYYYMM	Meter No	Prev. Export Reading	Curr. Export Reading	Total Export Consumption
210733008312	202304	XB493346	10071	10267	3920
210733008312	202303	XB493346	9864	10071	4140
210733008312	202302	XB493346	9796	9864	1360
210733008312	202301	XB493346	9736	9796	1200
210733008312	202212	XB493346	9608	9736	2560
210733008312	202211	XB493346	9479	9608	2580
210733008312	202210	XB493346	9368	9479	2220
210733008312	202209	XB493346	9298	9368	1400
210733008312	202208	XB493346	9248	9298	1000
210733008312	202207	XB493346	9162	9248	1720
210733008312	202206	XB493346	9005	9162	3140
210733008312	202205	XB493346	8891	9005	2280
210733008312	202204	XB493346	8711	8891	3600
210733008312	202203	XB493346	8532	8711	3580
210733008312	202202	XB493346	8385	8532	2940
210733008312	202201	XB493346	8281	8385	2080
210733008312	202112	XB493346	8138	8281	2860
210733008312	202111	XB493346	7957	8138	3620
210733008312	202110	XB493346	7851	7957	2120
210733008312	202109	XB493346	7626	7851	4500
210733008312	202108	XB493346	7626	7626	0
210733008312	202107	XB493346	6916	7626	14200
210733008312	202106	XB493346	6916	6916	0
210733008312	202105	XB493346	6916	6916	0
210733008312	202104	XB493346	6738	6916	3560
210733008312	202103	XB493346	6567	6738	3420
210733008312	202102	XB493346	6381	6567	3720
210733008312	202101	XB493346	6164	6381	4340
210733008312	202012	XB493346	5977	6164	3740
210733008312	202011	XB493346	5820	5977	3140
210733008312	202010	XB493346	5634	5820	3720
210733008312	202009	XB493346	5570	5634	1280
210733008312	202008	XB493346	5567	5570	60
210733008312	202007	XB493346	5567	5567	0
210733008312	202006	XB493346	5567	5567	0
210733008312	202005	XB493346	5389	5567	3560
210733008312	202004	XB493346	5389	5389	0
210733008312	202003	XB493346	5246	5389	2860
210733008312	202002	XB493346	5115	5246	2620
210733008312	202001	XB493346	4967	5115	2960
210733008312	201912	XB493346	4845	4967	2440
210733008312	201911	XB493346	4693	4845	3040
210733008312	201910	XB493346	4625	4693	1360
210733008312	201909	XB493346	4539	4625	1720
210733008312	201908	XB493346	4464	4539	1500

210733008312	201907	XB493346	4372	4464	1840
210733008312	201906	XB493346	4222	4372	3000
210733008312	201905	XB493346	4077	4222	2900
210733008312	201904	XB493346	3836	4077	4020
210733008312	201903	XB493346	3591	3836	4900
210733008312	201902	XB493346	3392	3591	3980
210733008312	201901	XB493346	3336	3392	1120
210733008312	201812	XB493346	3036	3336	6000
210733008312	201811	XB493346	2852	3036	3680
210733008312	201810	XB493346	2711	2852	2820
210733008312	201809	XB493346	2600	2711	2220
210733008312	201808	XB493346	2505	2600	1900
210733008312	201807	XB493346	2287	2505	4360
210733008312	201806	XB493346	1401	2287	17720

Verified,


 23/04/23
 Assistant Revenue Officer
 Sub-Divisional Office B-11
 P. O. Chittoor District, Andhra Pradesh