



Mob: 9977884097

# PRANAV ENTERPRISES

(GOVT REGISTERED A - CLASS ELECTRICAL CONTRACTOR)

Lic. No: 03/14/1246

**OFFICE: MAHARSHI CHOWK, MANGLA, BILASPUR (CG)- 495002**

## ENERGY AUDIT REPORT

Based on the reports and analysis of energy data of **Pt. Sundarlal Sharma (open) University Bilaspur, Chhattisgarh**, this is to certified that solar PV plant of capacity 50KW installed inside University campus has fulfilled the **30%** energy consumption demand of the University in duration 2018-2021 and continue in service with the same generation efficiency. Yearly saving by the non-conventional energy source is 30%.

Attachment: Consumption report and solar generation data

DATE: 19/01/2022

**VERIFIED**

**REGISTRAR**  
Pt. Sunderlal Sharma (Open)  
University Chhattisgarh  
BILASPUR (C.G.)

**For, Pranav Enterprises**

Proprietor

**Shri Resham Lal Pradhan**

Incharge WAAC Criteria-1  
PSSOU, CG Bilaspur

**ENERGY SAVING BY EXISTING 50KW SOLAR PLANT IN PT SUNDARLAL SHARMA  
(OPEN) UNIVERSITY CHHATTISGARH, BILASPUR**

**MONTHLY REPORT**

SN	MONTH/YEAR	IMPORT FROM CSPDCL (KWh)	SOLAR GENERATION (KWh)	TOTAL CONSUPTION	SOLAR CONTRIBUTION IN %	REMARK
1	5/18	7260	0	7260		NOT SYNCHRONIZED
2	6/18	9903	0	9903		NOT SYNCHRONIZED
3	7/18	10020	0	10020		NOT SYNCHRONIZED
4	8/18	10545	3620	14165	25.56	
5	9/18	9327	4116	13443	30.62	
6	10/18	9051	4190	13241	31.64	
7	11/18	8778	6111	14889	41.04	
8	12/18	8214	5611	13825	40.59	
9	1/19	7755	6129	13884	44.14	
10	2/19	6393	6526	12919	50.51	
11	3/19	9030	5391	14421	37.38	
12	4/19	9633	6856	16489	41.58	
13	5/19	13431	7472	20903	35.75	
14	6/19	12606	6264	18870	33.20	
15	7/19	10539	4834	15373	31.44	
16	8/19	9981	4976	14957	33.27	
17	9/19	10227	4801	15028	31.95	
18	10/19	9333	6157	15490	39.75	
19	11/19	7170	6391	13561	47.13	
20	12/19	8010	5622	13632	41.24	
21	1/20	9399	4520	13919	32.47	
22	2/20	8040	4989	13029	38.29	
23	3/20	7455	7195	14650	49.11	
24	4/20	7143	7171	14314	50.10	
25	5/20	12606	7441	20047	37.12	
26	6/20	14097	5042	19139	26.34	
27	7/20	14019	5347	19366	27.61	
28	8/20	23187	4679	27866	16.79	
29	9/20	28752	4995	33747	14.80	
30	10/20	25830	5884	31714	18.55	
31	11/20	14214	6106	20320	30.05	
32	12/20	13425	6207	19632	31.62	
33	1/21	13581	6151	19732	31.17	
34	2/21	10299	6724	17023	39.50	
35	3/21	13131	5930	19061	31.11	
36	4/21	22794	6681	29475	22.67	
37	5/21	18537	7140	25677	27.81	
38	6/21	16644	5652	22296	25.35	
39	7/21	14817	4990	19807	25.19	
40	8/21	15597	5440	21037	25.86	
41	9/21	13707	5369	19076	28.15	
<b>TOTAL</b>		<b>504480</b>	<b>218720</b>	<b>723200</b>		

**VERIFIED**

**REGISTRAR**  
Pt. Sunderlal Sharma (Open)  
University Chhattisgarh  
BILASPUR (C.G.)

*Shri Resham Lal Pradhan*  
Incharge UAC Criteria  
PSSOU, CG Bilaspur

*Praveen Kumar*  
A-Class Electrical Contractor  
Lic. No.- 3/1090

**ENERGY SAVING BY EXISTING 50KW SOLAR PLANT IN PT SUNDARLAL SHARMA (OPEN)  
UNIVERSITY CHHATTISGARH, BILASPUR**


**YEARLY REPORT**


NO	YEAR	TOTAL CONSUPTION	SOLAR GENERATION	SOLAR CONTRIBUTION %
1	2018	96746	23648	24.44
2	2019	185527	71419	38.50
3	2020	247743	69576	28.08
4	2021	193184	54077	27.99

**REPORTS:- BASED ON DATA AND ANALYSIS (MAY 2018-SEP 2021)**

1. TOTAL ENERGY CONSUMED IS 723200KWh AND TOTAL ENERGY GENERATED BY SOLAR PLANT IS 218720KWh.
2. TOTAL ENERGY FULFILLED BY SOLAR PLANT DURING MAY 2018 TO SEPTEMBER 2021 IS 30%
3. YEARLY AVERAGE ENERGY SAVING BY EXISTING 50KW SOLAR PLANT IS 30%

**VERIFIED**

  
**REGISTRAR**  
Pt. Sunderlal Sharma (Open)  
University Chhattisgarh  
BILASPUR (C.G.)

  
**Shri Resham Lal Pradhan**  
Incharge NAAC Criteria-V  
PSSOU, CG Bilaspur

  
**Praveen Kumar**  
A- Class Electrical Contractor  
Lic. No.- 3/1090



छ0ग0 राज्य अक्षय ऊर्जा विकास अभिकरण (क्रेडा)  
क्षेत्रीय कार्यालय

ऊर्जा शिक्षा उद्यान, राजकिशोर नगर, बिलासपुर

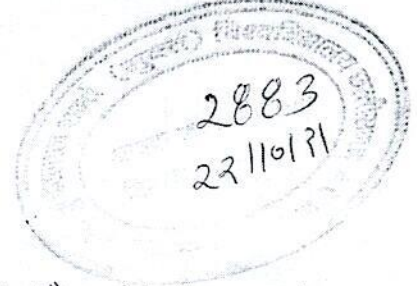
फोन - 07752-296758 E-mail Id - credaro.bilaspur@gmail.com

क्रमांक 1577 / क्रेडा क्षे.का. / 2021-22

बिलासपुर, दिनांक 22/10/2021

प्रति,

कुलसचिव  
पंडित सुन्दरलाल शर्मा  
(मुक्त) विश्वविद्यालय बिरकोना  
बिलासपुर (छ.ग.)



विषय :- विश्वविद्यालय परिसर के छत में ग्रिड कनेक्टेड सौर संयंत्र का जनरेशन रिपोर्ट प्रेषित करने बाबत।

संदर्भ :- आपका पत्र क्रमांक 610 दिनांक 07.10.2021  
महोदय,

विषयांतर्गत लेख है कि आपके द्वारा संदर्भित पत्र के माध्यम से पंडित सुन्दरलाल शर्मा (मुक्त) विश्वविद्यालय बिरकोना बिलासपुर में स्थापित 50 कि.वॉ. क्षमता के ग्रिड कनेक्टेड सौर संयंत्र द्वारा उत्पादित विद्युत की माहवार/वर्षवार जानकारी चाही गई है।

अतः ग्रिड कनेक्टेड सौर संयंत्र का सिंक्रोनाईजेशन तिथि 02.08.2018 से सितम्बर 2021 तक की माहवार/वर्षवार जनरेशन रिपोर्ट पत्र के साथ संलग्न कर सादर प्रेषित है।  
संलग्न :- उपरोक्तानुसार।

8/2/10/21

(एस.के.शुक्ला)

कार्यपालन अभियंता

बिलासपुर, दिनांक 22/10/2021

क्रमांक 1578 / क्रेडा / 21-22  
प्रतिलिपि :-

- 01 अधीक्षण अभियंता महोदय क्रेडा जोनल कार्यालय बिलासपुर को सूचनार्थ प्रेषित।
- 02 जिला प्रभारी क्रेडा जिला कार्यालय बिलासपुर को सूचनार्थ प्रेषित।

8/2/10/21

कार्यपालन अभियंता

श्री शक्ति

21/10/21

आयुक्त क्रेडा 022/2021  
दिनांक 26/10/21

VERIFIED

REGISTRAR

Pt. Sunderlal Sharma (Open)  
University, Shattisgarh  
BILASPUR (C.G.)

Kala/RO/General letter/859/343

"सत्य एक है, मार्ग कई: महात्मा गांधी"

Shri Resham Lal Praanun  
Incharge  
CC Criteria  
Bilaspur

### Generation Report of 2018

S.No.	Site	Synchronization Date	Month	Generation Unit (KWH)
			Aug-18	3620
1	Pt. Sundar Lal Sharma Open University	02-08-18	Aug-18	3620
2	Pt. Sundar Lal Sharma Open University	02-08-18	Sep-18	4116
3	Pt. Sundar Lal Sharma Open University	02-08-18	Oct-18	4190
4	Pt. Sundar Lal Sharma Open University	02-08-18	Nov-18	6111
5	Pt. Sundar Lal Sharma Open University	02-08-18	Dec.18	5611

### Generation Report of 2019

S.No.	Site	Synchronization Date	Month	Generation Unit (KWH)
			Jan-19	6129
1	Pt. Sundar Lal Sharma Open University	02-08-18	Jan-19	6129
2	Pt. Sundar Lal Sharma Open University	02-08-18	Feb-19	6526
3	Pt. Sundar Lal Sharma Open University	02-08-18	Mar-19	5391
4	Pt. Sundar Lal Sharma Open University	02-08-18	Apr-19	6856
5	Pt. Sundar Lal Sharma Open University	02-08-18	May-19	7472
6	Pt. Sundar Lal Sharma Open University	02-08-18	Jun-19	6264
7	Pt. Sundar Lal Sharma Open University	02-08-18	Jul-19	4834
8	Pt. Sundar Lal Sharma Open University	02-08-18	Aug-19	4976
9	Pt. Sundar Lal Sharma Open University	02-08-18	Sep-19	4801
10	Pt. Sundar Lal Sharma Open University	02-08-18	Oct-19	6157
11	Pt. Sundar Lal Sharma Open University	02-08-18	Nov. 2019	6391
12	Pt. Sundar Lal Sharma Open University	02-08-18	Dec. 2019	5622

*[Handwritten Signature]*

*[Handwritten Signature]*

*[Handwritten Signature]*

**VERIFIED**

REGISTRAR  
Pt. Sundarlal Sharma (Open)  
University, Chhattisgarh  
BILASPUR (C.G.)

**Shri Resham Lal Pradhan**  
Incharge WAAC Criteria  
PSSOU, CG Bilaspur

### Generation Report of 2020

S.No.	Site	Synchronization Date	Month	Generation Unit (KWH)
1	Pt. Sundar Lal Sharma Open University	02-08-18	Jan-20	4519.77
2	Pt. Sundar Lal Sharma Open University	02-08-18	Feb-20	4987.91
3	Pt. Sundar Lal Sharma Open University	02-08-18	Mar-20	7195
4	Pt. Sundar Lal Sharma Open University	02-08-18	Apr-20	7171
5	Pt. Sundar Lal Sharma Open University	02-08-18	May-20	7441
6	Pt. Sundar Lal Sharma Open University	02-08-18	Jun-20	5042
7	Pt. Sundar Lal Sharma Open University	02-08-18	Jul-20	5347
8	Pt. Sundar Lal Sharma Open University	02-08-18	Aug-20	4679
9	Pt. Sundar Lal Sharma Open University	02-08-18	Sep-20	4995
10	Pt. Sundar Lal Sharma Open University	02-08-18	Oct-20	5884
11	Pt. Sundar Lal Sharma Open University	02-08-18	Nov-20	6106
12	Pt. Sundar Lal Sharma Open University	02-08-18	Dec-20	6207

### Generation Report of 2021

S.No.	Site	Synchronization Date	Month	Generation Unit (KWH)
1	Pt. Sundar Lal Sharma Open University	02-08-18	Jan-21	6151
2	Pt. Sundar Lal Sharma Open University	02-08-18	Feb-21	6724
3	Pt. Sundar Lal Sharma Open University	02-08-18	Mar-21	5930
4	Pt. Sundar Lal Sharma Open University	02-08-18	Apr-21	6681
5	Pt. Sundar Lal Sharma Open University	02-08-18	May-21	7140
6	Pt. Sundar Lal Sharma Open University	02-08-18	Jun-21	5652
7	Pt. Sundar Lal Sharma Open University	02-08-18	Jul-21	4990
8	Pt. Sundar Lal Sharma Open University	02-08-18	Aug-21	5440
9	Pt. Sundar Lal Sharma Open University	02-08-18	Sep-21	5369

*Kaush*

*[Signature]*

**VERIFIED  
VERIFIED**

*Dolby*  
**Shri Resham Lal Pradhan**  
 Incharge NAAC Criteria-V.II  
 PSSOU, CG Bilaspur



**CHHATTISGARH STATE POWER DISTRIBUTION CO.LTD.**

(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)

CIN:U40108CT2003SGC015822

**OFFICE OF EXECUTIVE DIRECTOR (BR) CSPDCL, BILASPUR,**

Ph: (07752) 252000 (Fax) 252303, website: www.cspdcl.co.in Email: rcc.bilaspur@cspdc.co.in



No.ED/BR/Comml./HT/Solar/ 2719

Bilaspur, Dt: 09/07/2018

To,

The Registrar,  
Pt. Sundar Lal Sharma (Open) University,  
Sendri, Birkona, Distt. - Bilaspur (C.G.).

Sub : Connectivity & Synchronization of 50 KWp Roof Top Solar PV power plant with grid on HT system at the premises of The Registrar, Pt. Sundar Lal Sharma (Open) University, Sendri, Bilaspur.

Ref : S.E. Circle, Bilaspur's letter No. SE/Cir./Rev.HT/2017 dated 20.06.2018.

Dear Sir,

This is in reference to your application for permission for connectivity & synchronization of 50 KWp Roof Top captive Solar power plant with grid on HT line at the premises of The Registrar, Pt. Sundar Lal Sharma (Open) University, Sendri, Bilaspur.

In this regard, it is to convey that the competent authority has considered the above and accorded approval for connectivity & synchronization of 50 KWp solar power plant with grid at HT line subject to following terms & conditions :-

- (i) You shall abide by the Regulation of CERC issued on dtd 07.10.2013.
- (ii) You shall clear the outstanding dues, if any to CSPDCL.
- (iii) Connectivity with distribution system of the licensees will be carried out by CSPDCL in presence of representative from CSPDCL, Chief Electrical Inspector and State agency after getting conformation of completion of work from you in writing.
- (iv) This permission for connectivity of power plant with the grid shall not create any right on the consumer for wheeling power.
- (v) You shall obtain all the necessary clearances/approvals/consent from CREDA, to establish and to operate your 50 KWp solar PV power plant prior to first synchronisation of the solar PV power plant with the grid.
- (vi) All statutory/ Non-statutory clearances and permission from the State Govt./Central Govt. /local bodies and other agencies shall be obtained by You

Contd...

VERIFIED

REGISTRAR  
Pt. Sundar Lal Sharma (Open)  
University Chhattisgarh  
BILASPUR (C.G.)

Shri Kesham Lal Pradhan  
Incharge NAAC Criteria-V  
PSSOU, CG Bilaspur

///2///


(vii) You shall agree to all terms and conditions stipulated in Annexure-I.

You are requested to execute PPA as per enclosed draft with CSPDCL within 15 days time period positively.

Thanking you,

Encl:- Annexure-I

Yours faithfully,

  
A. K. Shrivastava ( 90338011 )  
Superintending Engineer  
O/o ED(BR) CSPDCL: Bilaspur

Copy to:-

1. The Executive Director (O&M), CSPDCL, Raipur.
2. The Executive Director (RA & PM), CSPDCL, Raipur.
3. The Chief Engineer (LD) CSPTCL, Raipur.
4. The Chief Engineer (CREDA) Bio-Diesel Plant, V.I.P Road, Near Energy Park, Post- Devpuri, Raipur- Please depute an officer at the time of Connectivity & Synchronization of solar plant.
5. The Chief Electrical Inspector, Indravati Bhawan 2<sup>nd</sup> Floor, Naya Raipur- Please depute an officer at the time of Connectivity & Synchronization of solar plant.
6. The Superintending Engineer , Circle, CSPDCL, Bilaspur.
7. The Superintending Engineer (MT) Dn, CSPDCL, Raipur.
8. The Executive Engineer (O&M) CSPDCL, Bilaspur SLDC registration charges of Rs. 1000/- received in your office may please be transferred to SDLC, CSPTCL, Raipur. Ensure compliance of directives issued by CE, EITC, Raipur vide letter 1578 dated 03.10.2016, regarding billing process of Solar Rooftop plant.
9. The Executive Engineer AMR Cell CSPDCL, Raipur.
10. The Sr. Accounts Officer, CSPDCL, Bilaspur.

**VERIFIED**



**REGISTRAR**  
Pt. Suresh Chandra Sharma (Open)  
University of Jharkhand  
BILASPUR (C.G.)

Regd. Office, Sewa Bhawan, Danganiya, Raipur (C.G.) - 492013

  
**Shri Resham Lal Pradhan**  
Incharge NAAC Criteria-VII  
PSSOU, CG Bilaspur