

**CSPDCL**

**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: rce.bilaspur@cspe.co.in



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

Bilaspur, Dt: 05/07/2018

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 CSERC 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 ...

*(Signature)*

**Shri Reshmi Lal Pradhan**

Incharge, PSCS Office,  
PSSOU, CG Bilaspur

**VERIFIED**

*(Signature)*

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

///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,

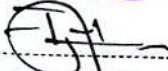
  
A. K. Shrivastava ( 90338011 )  
Superintending Engineer  
O/o ED(BR) CSPDCL: Bilaspur

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.

  
Shri. Bishan Lal Pradhan  
Incharge of A.C. Circle  
FSDOU, C.G. Bilaspur

**VERIFIED**



Regd. Office Address :- Vidyut Sewa Bhawan, Danganiya, Raipur (C.G.) – 492013

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



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 सिंक्रोनाइजेशन तिथि 02.08.2018 से सितम्बर 2021 तक की माहवार/वर्षवार जनरेशन रिपोर्ट पत्र के साथ संलग्न कर सादर प्रेषित है।

संलग्न :- उपरोक्तानुसार।

श.के.शुक्ला

(एस.के.शुक्ला)

कार्यपालन अभियंता

क्रमांक 1578/क्रेडा/21-22

बिलासपुर, दिनांक 22/10/2021

प्रतिलिपि :-

01 अधीक्षण अभियंता महोदय क्रेडा जोनल कार्यालय बिलासपुर को सूचनार्थ प्रेषित।

02 जिला प्रभारी क्रेडा जिला कार्यालय बिलासपुर को सूचनार्थ प्रेषित।

श.के.शुक्ला

कार्यपालन अभियंता

श.के.शुक्ला

22/10/21

उपरोक्त पत्रांक 022/2021  
दिनांक 26/10/21  
सुन्दरलाल शर्मा

VERIFIED

श.के.शुक्ला

Kala/RO/General Letter / BSP/303

"सत्य एक है, मार्ग कई: महात्मा गांधी"

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

श.के.शुक्ला  
Incharge NAAC Criteria  
POSOJ, CG Bilaspur

### Generation Report of 2018

| S.No. | Site                                  | Synchronization Date | Month  | Generation Unit (KWH) |
|-------|---------------------------------------|----------------------|--------|-----------------------|
| 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) |
|-------|---------------------------------------|----------------------|-----------|-----------------------|
| 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]*

**VERIFIED**

*[Handwritten Signature]*

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

*[Handwritten Signature]*  
**Shri Resham Lal Pradhan**  
Incharge NAAC Criteria-VII  
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                  |

**VERIFIED**

**REGISTRAR**

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

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Incharge NAAC Criteria  
PSSOU, CG Bilaspur

**SOLAR GENERATION DATA (50kW ON GRID)**


| 2018               |          |       |        |
|--------------------|----------|-------|--------|
| NO                 | MONTH    | kWh   | REMARK |
| 1                  | SEPT     | 4467  |        |
| 2                  | OCT      | 4303  |        |
| 3                  | NOV      | 5991  |        |
| 4                  | DECEMBER | 5492  |        |
| GENERATION IN 2018 |          | 20253 |        |

| 2019               |        |       |  |
|--------------------|--------|-------|--|
| 1                  | JAN    | 6003  |  |
| 2                  | FEB    | 6391  |  |
| 3                  | MARCH  | 5320  |  |
| 4                  | APRIL  | 6659  |  |
| 5                  | MAY    | 7256  |  |
| 6                  | JUNE   | 6124  |  |
| 7                  | JULY   | 4872  |  |
| 8                  | AUGUST | 4328  |  |
| 9                  | SEPT   | 3206  |  |
| 10                 | OCT    | 5823  |  |
| 11                 | NOV    | 6331  |  |
| 12                 | DEC    | 5487  |  |
| GENERATION IN 2019 |        | 67800 |  |

| 2020               |        |       |            |
|--------------------|--------|-------|------------|
| 1                  | JAN    | 6027  |            |
| 2                  | FEB    | 6384  |            |
| 3                  | MARCH  | 0     | NO READING |
| 4                  | APRIL  | 13972 |            |
| 5                  | MAY    | 7232  |            |
| 6                  | JUNE   | 4892  |            |
| 7                  | JULY   | 5199  |            |
| 8                  | AUGUST | 4267  |            |
| 9                  | SEPT   | 4850  |            |
| 10                 | OCT    | 5718  |            |
| 11                 | NOV    | 5939  |            |
| 12                 | DEC    | 6144  |            |
| GENERATION IN 2020 |        | 70624 |            |

*Dehany*  
**Shri Kesham Lal Pradhan**  
 Incharge MAAC Officer  
 PSSOU, CG Bilaspur

**VERIFIED**

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

Naveen Sahu  
 Electrical Engineer  
 Pt. Sunderlal Sharma (Open)  
 University Bilaspur

P. Pannagaraju

प्रभुवर  
 यांत्रिकी विभाग  
 पं. सुन्दरलाल शर्मा (मुक्त) वि.वि.  
 धरमपुरा, खिलासपुर.



**HANDING OVER CERTIFICATE**

It is hereby certified that M/s Novus Green Energy Systems Pvt. Ltd. has installed 50 Kwp Grid Connected Solar power Plant at the rooftop of Pt. Sundarlal Sharma Open University, Village - Birkona, Bilaspur, Block Bilaspur, District Bilaspur under the supervision of CREDA.

The Solar Power Plant is in operation since 20/08/2016. The said Solar Power Plant is now handed over to us for captive use. We are aware that CREDA shall under take maintenance of the installed solar power plant for five years from the date of installation. We shall fully utilize the solar power & shall also be responsible for safety of the solar power plant. We shall cooperate with the maintenance team of CREDA during their visit to site.

Solar Power Plant handed over by:

Authorized signatory of Contractor

Name: Nikhil Bhatnagar  
Designation: Regional Manager  
Date:



Solar Power Plant taken over by:

*R. W. D. S.*

REGISTRAR

Authorized signatory of Beneficiary

Name: University Chhattisgarh  
Bilaspur (C.G.)  
Designation:  
Date:

Handing over done in presence of

*S. K. Shukla*  
District in-charge of CREDA

Name: Asstt. Engineer  
Designation: CREDA Bilaspur (C.G.)  
Date:

*S. K. Shukla*  
S.K. Shukla  
Executive Engineer  
CREDA, Bilaspur (C.G.)

**VERIFIED**

*Naveen*  
Naveen Sahu  
Elect. Engrs.  
PSSOU Bilaspur

*[Signature]*  
**REGISTRAR**  
Pt. Sundarlal Sharma (Open)  
University Chhattisgarh  
BILASPUR (C.G.)  
Energy Systems (P) Ltd.  
ISO 9001:2008 & ISO 14001:2004 Certified  
Plot No. 4 & 7, Pratik Brahmaram Samaj, Durgam Chaudhkar Ward, VII Estate, Raipur - 492007, Chhattisgarh, India. Telephone: 0771 - 6463245; Fax: 0771-2284610  
Hyderabad    Delhi    Vijayawada  
www.novusgreen.in

*[Signature]*  
Shri KESRUPATI LAL & SONS  
Incharge ISIRIAC Criteria  
PSSOU, CG Bilaspur



JCC For 50 KW Grid Connected SPVPP

**JOINT COMMISSIONING CERTIFICATE OF GRID CONNECTED SPV POWER PLANTS**

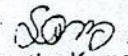
RO JCC No. - 206/29.08.16

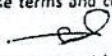
JCC No. NGES/SPVPP/CP/006/2016-17/CREDA/SPV/2016 Grid Connected/Site Pt. Sundarlal Sharma Open University, Village -Birkona, Bilaspur /RO Bilaspur, Dated - 20/08/2016

- (1) Name of the Site Pt. Sundal Sharma Open University Village -Birkona, Bilaspur Block District Bilaspur
- (2) Capacity of SPV Power Plants installed : 50 KW Plant No. 006
- (3) Work Order No. 2286/CREDA/Pt. Sundarlal Univ/On Grid/50KWp/2016, Raipur Date: 07/05 /2016 issued by CREDA, Head Office, Raipur, C.G.
- (4) Actual Date of Commissioning: 20/08/2016.
- (5) Stipulated Date of commissioning as per W.O. : 30/06/2016
- (6) Extension granted till: 20.08.2016 vide HO letter No. 10631/CREDA/Grid Connected/2016 dated: 30.07.2016 (Applicable for w.o. issued by CREDA)
- (7) Name & address of the contractor: Novus Green Energy Systems (P) Ltd.,  
Qtr. No. N-4, North City, Near VIP Estate,  
Behind Dolphin Pride, Vidhan Sabha Road, Raipur (C.G.) Tel: +91771-6463-245

This is hereby certified that the contractor M/s. Novus Green Energy Systems (P) Ltd., has successfully installed & commissioned the 50 KW Grid Connected SPV Power Plant at the rooftop of Pt. Sundarlal Sharma Open University, Village- Birkona, Bilaspur, on 20/08/2016

with major components as mentioned in Annexure I appended hereto, as per the terms and conditions of the work order mentioned at serial No. (3) above.

  
**Siddhartha Kamavisdar**  
Asstt. Engineer  
CREDA, Bilaspur (C.G.)

  
**S.K. Shukla**  
Executive Engineer  
CREDA, Bilaspur (C.G.)

  
**REGISTRAR**  
Pt. Sundarlal Sharma Open University, Bilaspur  
Bilaspur (C.G.)

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

  
**Incharge MAAC**  
**Pradham**  
PSSOU, CG Bilaspur



## Minutes of Metering

In accordance with Addl. Chief Engineer (Comml-I) O/o ED(BR) CSPDCL Bilaspur's letter No. ED/BR/Comml/HT/Solar/2719, Bilaspur dtd. 09.07.2018 and SE(O&M Circle) Bilaspur's letter No. SEB/Circle/Rev/HT/3281 Bilaspur dtd. 26.07.2018. The synchronization of 50 KW on Grid Roof Top Solar PV power plant of M/s The Registrar Pt. Sunder Lal Sharma open University Sendri Bilaspur. (Installed in their premises) with CSPDCL's grid on LT Side, has been witnessed by the representative of electrical inspectorate CG Govt. CSPDCL & CRFDA on 02.08.2018 at about 17.14 Hrs.

The details of supply arrangement/metering installed at site is as given below.

The Surplus solar energy after metering in house consumption is exported to CSPDCL grid on 33 KV and is recorded by meter installed in the premises of M/s The Registrar Pt. Sunder Lal Sharma open University Sendri Bilaspur in the import point. The grid meter installed in this premises is bidirectional meter having facility of recording import & export consumption. There are 01 Nos. inverters installed and each has capacity of 2.5 KVA and Solar Panel of capacity 50 KW (200 Nos. Panel of 250 Wp each). Total Solar generation on 3Φ433 Volts is measured by 01 No. LT CT operated meter installed on the main panel.

### Details of meter of main solar panel :-

Make - SEMS  
 SL. No. - XB 471366  
 CTR - 100/5A  
 PTR - 3x 240V  
 Type - E3 T055  
 Overall MF - 01  
 Reading KWH-(I) 175 (E) 17098  
 KVAH-(I) 177 (E) 17098 17110

### Details of CTR & PTR Used :-

CTR :- 100/5A  
 PTR :- 3x 240V

### Details of grid meter :-

Make - SEMS  
 SL. No. - S1006298  
 Class - 0.5 s  
 CTR - 5 A  
 PTR - 110V/√3  
 DF - 01  
 Overall MF - 600  
 Reading KWH(I) - 59.9  
 KWH(E) - 5.9  
 KVAH(I) - 46.7  
 KVAH(E) - 10.2

### Details of ME :-

CTR :- 10/5 A  
 PTR :- 33KV/√3/110V/√3

*Amresh*  
 Sub-Engineer  
 (D.E.I & E.s.)

*Shah*  
 02/08/18  
 Navem Sah

*R. Sunder Lal*  
 02.8.18  
 REGISTRAR  
 Pt. Sunder Lal Sharma (Open  
 University Chhattisgarh  
 BILASPUR (C.G.)

*16*  
 1.8.18  
 Bilaspur

*Amresh*  
 (Alok Tiwari)  
 AE-CRFDA

*Shri Resham Lal Pradhan*  
 AE (CMA)  
 CSPDCL

*Pradha*

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

**VERIFIED**

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



छत्तीसगढ़ CHHATTISGARH

L 599593

POWER PURCHASE AGREEMENT

**VERIFIED**

*(Handwritten signature)*

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

*(Handwritten signature)*  
**REGISTRAR**  
Pt. Sunderlal Sharma (Open)

*(Handwritten signature)*  
**Shri Resham Lal Pradhan**  
Incharge, 1040 Criteria-VII  
PSSOU, CG Bilaspur

**Executive Director (SR)**  
C.S.P.D.C.L. Bilaspur

POWER PURCHASE AGREEMENT FOR UPCOMING PROJECTS

This Power Purchase Agreement is made and entered into at Raipur on the 9<sup>th</sup> day of July 2018.....Two Thousand and ~~Sixteen~~ <sup>Eighteen</sup> between CHHATTISGARH STATE POWER DISTRIBUTION CO. LTD. RAIPUR(hereinafter referred to as CSPDCL/Licensee) , a company incorporated under the provisions of the Companies Act, 1956, became functional w.e.f. 01.01.2009 as a result of reorganization of Chhattisgarh State Electricity Board (hereinafter referred to as "CSEB" into five companies in accordance with the provisions contained in the Sections 131-134 of The Electricity Act 2003 by the Govt. of Chhattisgarh (hereinafter referred to as "GoCG) vide Notification dated 31 March 2010, having its head office at Vidyut Sewa Bhawan, Dangania, Raipur - 492013, Chhattisgarh, India, which expression shall, unless repugnant to the subject, context or meaning thereof, be deemed to mean and include its successors, authorized representatives and permitted assigns of the FIRST PART;

And

Registrar PIS under Lal Sharma Open University having its registered office at Sendori, Bilaspur hereinafter referred to the "Seller" as party on the SECOND PART.

The Chhattisgarh State Electricity Regulatory Commission(hereinafter referred to as "the Commission") has notified Chhattisgarh State Electricity Regulatory Commission(Determination of tariff for procurement of power from Rooftop PV Solar Power Projects by distribution licensees of State) Regulation,2013(hereinafter referred to as-"CSERC Rooftop PV Regulations 2013") wherein tariff for procurement of power from Rooftop PV Solar Power Projects, of 50 KW & above and up to 1MW,by distribution licensee and other related dispensations are suitably addressed. Also as per provisions in the CSERC Rooftop PV Regulations 2013,power procured by distribution licensee from such projects will also qualify for their renewable purchase obligation.

**VERIFIED**

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

*Pradyumn*  
**Shri Resham Lal Pradyumn**  
Bilaspur (C.G.)

**Executive Director (RR)**  
C.S.P.D.C.L. Bilaspur

Whereas Seller has set up ..... 50 KWp Solar Power at Sendri, Bilaspur for their captive use whereas Seller has offered to surplus solar power to the Licensee in accordance to CSERC Rooftop PV Regulations 2013. The Seller desires to generate 50KWP power and sell energy maximum upto 49% of the net generation to the CSPDCL as per provisions in the CSERC Rooftop PV Regulations 2013.

And whereas as licensee has agreed to purchase said surplus power in accordance to as specified CSERC Rooftop PV Regulations 2013

NOW This agreement witnesses and the parties hereto have agreed as below:-

Part 1 : Definitions and interpretations

(1) Definitions

In this Agreement, the following words and expressions shall have the respective meanings set forth herein:

"Act" means the Electricity Act, 2003 and subsequent amendment thereof.

"Central Electricity Authority" or "Authority" means the Authority referred to in sub-section (1) of Section 70 of the Act;

"Commission" means the Chhattisgarh Electricity Regulatory Commission as referred in subsection (1) of section 82 of the Act;

"Consumer Meter" or "CM" means a meter used for accounting and billing of electricity supplied to the consumer but excluding those consumers covered under Interface Meters;

"Existing project" means generating project which are under operation from a date prior to notifications of the Regulations;

"Grid Meter" or "GM" means import and export meter on the basis of which energy bills shall be raised by Distribution licensee;

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**Shri Resham Lal Pradhan**

Incharge NAAC Criteria  
PSSOU, CG Bilaspur

**Executive Director (ER)**  
C.S.P.O.C.L. Bilaspur

"Installed capacity" or "IC" means the summation of the name plate capacities of all the units of the Rooftop PV Solar Power generating system or the capacity of the generating station (reckoned at the generator terminals), approved by the State Agency from time to time;

"Inter-connection Point" shall mean the interface point of the Rooftop PV Solar Power generating facility with the distribution network at voltage levels 33kV and below.

"MNRE" means the Ministry of New and Renewable Energy of the Government of India

"Rooftop PV & ground mounted Solar Power Project" or "Project" means a Rooftop PV and other ground mounted solar power generating station, with a capacity more than 50 kW and upto 1MW, including the evacuation system up to interconnection point, as the case may be;

"State Agency" means the Chhattisgarh State Renewable Energy Development Agency;

"Solar Meter" or "SM" means a meter for used for accounting and billing of electricity generated by the Rooftop PV and other ground mounted Solar Power Generating Plant;

"Useful Life" in relation to a unit of a generating station for a Rooftop PV and Ground mounted Solar Power Project including evacuation system shall mean the 25 years duration from the date of commercial operation (COD) of such generating facility;

"Year" means a financial year;

(2) All other expressions used herein although not specifically defined herein, but defined in the Act, shall have the meaning assigned to them in the Act. The other

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Pt. Sunderlal Sharma (Opps)  
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BILASPUR (C.G.)

*Dr. Reshmi*  
**Shri Reshmi and Pradhum**  
Inchais  
PSC03, JG Bilaspur

*[Signature]*  
**Executive Director (ER)**  
**C.S.R.O.C. Bilaspur**

expressions used herein but not specifically defined in this or in the Act or in any law passed by the Parliament applicable to the electricity industry in the State shall have the meaning assigned to them in such law. Subject to the above, the expression used herein but specifically defined in the Agreement or in the Act or any law passed by the Parliament shall have the meaning as is generally assigned in the electricity industry.

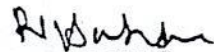
## Part 2 : Terms and Conditions

- (1) Regulations, guidelines or terms and conditions of power purchase by the licensee from solar power plants specified by the Commission from time to time shall be acceptable and binding on both the parties.
- (2) The Seller shall abide by the grid discipline as per the provisions of State Electricity Grid Code and shall maintain technical parameters regarding voltage, frequency, power factor, within the limit as per prudent utility practices, subject to the technical plant limits and in Line with prudent utility practices, the Seller shall operate and maintain the plant in such a manner, so as not to have an adverse effect on the operation of Licensee's Grid System. In case any violation is noted in abiding by Grid Discipline, the Licensee / SLDC may isolate Seller's power supply from its grid system, without any liability on the licensee when system security aspect of the State grid is involved, taking into consideration the provision of State Grid Code.
- (3) For power supplied to Licensee, joint monthly reading or any other mechanism (AMR) as approved by the Commission in respect of power exported to Licensee shall be taken by the authorized representative of Seller and Licensee. Seller shall submit monthly invoice of energy sold to Licensee, to Superintending Engineer(O&M) / (City Circle) CSPDCL at ..... under intimation to Chief Engineer (Comm) of Licensee,

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University Chhattisgarh  
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**Executive Director (ER)**  
C.S.P.O.G.L. BILASPUR

**Shri Resham Lal Pradhan**  
Incharge, .....  
**PSSOU, CG Bilaspur**

grid) permanent connection for captive load of project developer  
month.(example: amount of energy charge for solar energy supplied  
the Rooftop PV solar power generator in the month of January shall  
adjusted in the monthly bill raised by CSPDCL for the unit consumer  
captive load in the month of February).

(7) METERING:

- 7.1 Metering requirements shall be as per CEA Regulations on "Installation and Operation of Meters".
- 7.2 The metering is required to measure the solar gross generation, export of energy to the grid and import of from the grid besides measurement of AC system voltage and current, frequency etc.
- 7.3 Necessary changes in the proposed metering scheme to accommodate for required DG sets and/or battery inverter etc., as per need of solar developer may be adopted without affecting the security and sealing of complete metering system besides all cabling and switchgear from solar panel to the solar meter(SM).
- 7.4 The Grid Meter (GM) and Solar meter shall be interface type as envisaged in the CEA metering regulations. These meters may also comply the Time of Day (TOD) requirements so as to accommodate this type of metering in future course of time. Also the SM would record net solar energy export reading indicated as SE (N).
- 7.5 Interface meters (main meter) shall be installed and maintained by the distribution licensee for and at the cost of the project developer connected to distribution licensee.
- 7.6 The metering point for power purchase and billing purpose for this plant which shall be at point of injection at Licensee's system.
- 7.7 The specifications of the Energy Meters shall be as approved by the Licensee / CSPTCL.

**VERIFIED**

*R. W. Sharma*  
**REGISTRAR**  
PL Sunderlal Sharma (Open)  
University Chhatrapati  
BILASPUR (C.G.)

*[Signature]*  
**Executive Director (P&D)**  
C.S.P.D.C.L. Bilaspur

*[Signature]*  
**Shri Resham Lal Pradhan**  
In-charge of  
PSSOU, CG Bilaspur

- 7.8 The meter shall be jointly tested and inspected and sealed on behalf of both the parties and shall not be interfered by either party except in the presence of the other party or its representatives.
- 7.9 Billing meters and the check meters (wherever provided) shall be tested for accuracy once in a year in presence of both the parties
- 7.10 The meters shall be deemed to have working satisfactorily if the errors as determined in the tests are within the permissible limits as allowed in the relevant IS specifications or I.E. rules, 1956 applicable to high precision energy meters.
- 7.11 If during the periodical testing the billing meter is found to have errors beyond permissible limits but the check meters (wherever provided) are found to have error within the permissible limit, billing shall be revised on the basis of generation / injection recorded by the check meter. However, billing meter shall be attended / replaced immediately and billing thereafter shall be as per generation / injection recorded by new tested billing meter.
- 7.12 If during the periodical testing both billing & check meters (wherever provided) are found to have error beyond permissible limits, the bill shall be revised by applying correction factor to the injection registered by the billing meter. The correction factor shall mean the percentage of error between the R.S.S. meter & billing meters.
- 7.13 If both the meters i.e. the billing meter and the check meter (wherever provided) fail to record or if any of the PT fuse is blown out, then the energy accounting shall be done on the basis of gross generation recorded by SM or on a mutually agreeable basis between licensee and the Seller, in case the generator end meter also found defective.
- 7.14 All the tests on the billing and check meters (wherever provided) shall be conducted by the meter relay testing staff of the Licensee jointly with the staff of Seller.

VERIFIED



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University Chhattisgarh  
BILASPUR (C.G.)

**REGISTRAR**

Pt. Sunderlal Sharma (Officer)  
University Chhattisgarh  
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*Dr. Arjun*  
**Incharge**  
**PSSOU, CG Bilaspur**





GPS Map Camera

VERIFIED REGISTRAR  
 Pt. Sunderlal Sharma Open University Chhattisgarh

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# Birkona, Chhattisgarh, India

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Chhattisgarh 495009, India

Lat 22.14003°

Long 82.142149°

28/07/21 04:20 PM

*Dr. Akhaya*  
 Shri Reshmi Lal Pradhan

Pt.