



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

FOUNDER & CHANCELLOR

**Dr. Patangrao Kadam**

M.A., LL. B., Ph. D.

Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur  
Near Chitranagari, Kolhapur - 416013 (MS)

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PRINCIPAL

**Dr. Vijay Ghorpade**

M.E., Ph. D. (Computer)

# 2018-19

## Solar Power Plant

College has proposed to implant PV Solar Power plant on the roof top. This provides additional electrical power as a non-conventional energy source, it leads to minimize electricity bills from Electricity Company. Renewable energy sources are clean, inexhaustible and increasingly competitive energy. This also take care environment by reducing carbon footprints.

## Solar Panels





## LED lamps in the premises



# Steps Premises Private Limited

Regd. Off : Sinhgad, Opp. BMCC, Deccan Gymkhana, Shivajinagar, Pune - 411 004  
Ph. No. : 020 - 25655188, 25656797

Ref. No. :

Date : / / 201

Ref. No: SPPL/SRT/BV/01/2018-19

Date: 22/05/2018

To,  
M/S Sunkalp Energy Pvt. Ltd.,  
Delhi: 107, Rectangle-1,  
D-4 District Centre, Saket,  
New Delhi-110017.

Subject: Supply, Installation, Testing & Commissioning of Solar Roof Top systems at Bharati Vidyapeeth's various Educational Institute Buildings in Navi Mumbai, Kolhapur, Sangli & Pune.

Ref: Your Quotation No. SKLP/QUOTE/25201881, Dated - 02/05/2018 & Subsequent Discussions.

Dear Madam,

With Reference to your above Quotation, the Undersigned is Pleased to place the LOI for Supply, Installation, Testing & Commissioning of Solar Roof Top Systems on various Educational Buildings of Bharati Vidyapeeth Campus in Navi Mumbai, Kolhapur, Sangli & Pune on the following Terms & Conditions-

1)	Project Capacity	1215 KWP;
2)	Price	Rs.3.01575 Crores (This Price is Excluding Solar PV Panel); (Exclusive of all taxes);
3)	Completion Period	14 Weeks from Date of LOI;
4)	Payment Terms	10 % Advance Against Bank Guarantee of 5% of the Contract Price; 10% on Approval of all major drawings & Technical Specifications; 65% prorated on dispatch of major components (i.e. Inverters, Structures, Cables, etc.); 5% on completion of erection, testing & commissioning Work; 10% of issuance of Final Acceptance Test Certificate & Successful Installation of Net Meters for 1215 KWP;
5)	First Year AMC	Included in Above Price;

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# Steps Premises Private Limited

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Date : / / 201

The Scope of Work, terms & conditions will be mention in detailed Work order-cum-Agreement as per terms & conditions submitted to you in scope of Work Document the Detailed Work Order cum Agreement shall be issued to you within next 10-15 Days.

All the related Liaoning work with MSEDCL/MEDA/EI required for Project installation, Project approval & Net Metering Arrangement shall be in your Scope.

In case Sunkalp Energy fails to achievesuccessful commissioning of plant by due date in time of completion, then the owner shall levy the liquidate damages on the contractor at the ratio of 0.5%(Decimal fifty percent) of the contract price per weeks upto four week & there after 1.00%(one percent) upto three weeks of delay or part thereof, subject to a maximum of 5.0%(five percent) of the contract price.

You are, therefore, requested to sign the duplicate of this LOI as a token of your acceptance and return the same to the undersigned immediately along with 5 % advance bank guarantee. On submission of bank guarantee we will release the advance payment.

Thanking You,

Seen, Received & Accepted

*Accepted*

For Sunkalp Energy Pvt. Ltd.

*Vaasun*  
Authorized Signatory

Yours Faithfully,

*Kamran Talwar*  
For Steps Premises Pvt. Ltd.

1	E1 E2 E3 E4 E5	-	80.83 KW	} Engineering 139.83 KW
2	work shop 1 & 2	-	59.00 KW	
3	prashala	-	51.95 KW	
4	pharmacy	-	27.14 KW	
5	management	-	25.30 KW / panel	
6	LAW college	-	17.17 KW /	

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**ANNEXURE-2**

**Application Form for installation of Roof-top Solar PV System under Net Metering arrangement**

Name of Distribution Licensee: Maharashtra State Electricity Distribution Co.Ltd  
(MSEDCL)

Name of Administrative Office:

Application No. : \_\_\_\_\_

Date of Receipt : \_\_\_\_\_

(To be filled by the Applicant in Block Letters)

1	Applicant's Full Name	: The Principal Bharati Vidyapeeth, Coll. of Pk and HM
2	Address of the premises at which Roof-top Solar PV System is to be installed	: Rs No 66/2 Mallje Morewade tal, Karveer, Dist - Kolhapur, Pin - 400003
3	Telephone/Mobile No.	: 9890626433
4	E-mail ID (if available)	: copkolhapur@bharativedyapeeth.edu
5	Alternate Address for communication (if any)	: NA
6	Category of existing electricity connection	: PUBL. SERVICES OTH
7	Consumer No.	: 25109004810
8	Sanctioned Load / Contract Demand (in kW /kVA/ HP)	: 315KW
9	Voltage at which existing supply has been given (in volts)	: 415 VOLT
10	Proposed AC capacity of Roof-top Solar PV System to be installed (in kW)	: 190 KW
11	Voltage at the output of Solar inverter (in volts)	: 415 VOLT
12	Details of Registration Fee paid (For consumers with Sanctioned Load upto 5 kW: Rs. 500; For consumers with Sanctioned Load/Contract Demand above 5 kW: Rs.1,000).	:

13	Whether consumer availing solar RPO	Yes-	No- <b>NO</b>
14	If not authorized MSEDCL to avail Solar RPO	Yes- <b>YES</b>	

Date : \_\_\_\_\_

  
**PRINCIPAL**  
 Signature of Applicant  
 Bharati Vidyapeeth  
 College of Pharmacy, Kolhapur.

**List of documents attached with Application Form:**

1. Copy of the latest paid electricity bill.
2. General Power of Attorney in favour of signatory in case of Partnership Firms; certified true copy of the Resolution, authorizing the signatory to deal with the concerned Distribution Licensee, passed by the Board of Directors in case of Companies (as applicable).
3. Technical details of PV modules, Inverter and other equipment of system proposed to be installed.
4. Proof of payment of Registration Fee.

**ACKNOWLEDGEMENT**

Received an Application from ..... for connectivity/installation of Roof-top Solar PV System of capacity of ..... kW as per details below :—

Date of Receipt	Applicant's Name	Application Number	Existing Consumer No.	Capacity of Roof-top Solar PV System
(1)	(2)	(3)	(4)	(5)

Date :

(Signature and Designation of Authorized Officer)



## **SR ENERGY CONSULTANTS**

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Ref: SREC/SPPL/BVDU/2022-23/59

Date:03-08-2022

### **TO WHOMSOEVER IT MAY CONCERN**

**Subject: Installation and commissioning of 142.78 KWp Roof-Top Solar PV Power Project at Bharati Vidyapeeth's College of Engineering, Near Chitranagari, Kolhapur, Maharashtra 416013.**

Dear Sir / Madam,

This is to certify that We M/s SR Energy Consultants has commissioned 142.78 KWp Solar roof top power project at Bharati Vidyapeeth's College of Engineering, Near Chitranagari, Kolhapur, Maharashtra 416013.

The project is developed using Canadian solar make PV modules and SMA make Solar String Inverters. The said project was commissioned in Month of January 2022.

The said Solar PV Project (SPP) is operational and is in well maintained condition from the date of the commissioning. Generation achieved from the SPP over the period of operation found satisfactory.

**For SR Energy Consultant**

**Authorized Signatory**

Date: 3 August,2022

Place: Pune

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Office No. - 116, Laxmi Plaza, Opp. Alfa Laval, Pune- Mumbai Highway, Kasarwadi,  
Pune - 411 012 Maharashtra, India

NO/SE (KC)/ Tech/DyEE(I)/

NO 9587

Date 8 FEB 2022

To,  
The Executive Engineer,  
M.S.E.D.C. L. O & M R II Division,  
Kolhapur.

**Sub:** Permission to release fresh Roof Top Solar-PV System under Net Metering Conn. of Solar rooftop generation of 200 KW in r/o existing consumer M/S The Principal Bharati Vidyapeeth Collage Of PH & HM, at RS.No.66/2, Mauje Morewadi, Tal- Kagal, Dist- Kolhapur. Cons. No. 251019004810, Appl. ID- 33631750

- Ref: - 1. Sanction No. 7512 Dt.25.11.2021  
2. Pre- Commissioning No. EE/TEST/KOP/TECH/107 Dt. 10.01.2022  
3. Work Completion No. EE/RII/T/AE(FU)/446 Dt.27.01.2022  
4. Commercial Circular No. 322 dtd. 21.01.2020


With reference to above subject this office is hereby giving permission to release Fresh Roof Top Solar-PV System under Net Metering Conn. Of Fresh Solar rooftop generation of 200 KW in r/o existing consumer M/S The Principal Bharati Vidyapeeth Collage Of PH & HM, at RS.No.66/2, Mauje Morewadi, Tal- Kagal, Dist- Kolhapur. Cons. No. 251019004810, Appl. ID- 33631750 The above Consumer has paid following charges towards connection of Net Metering for Roof Top Solar PV System.

Sr. N	Particulars	Receipt No and Date	Amount
1	Registration fee for Roof Top Net Metering	WICI0227016761 Dtd.27.08.2021	5900.00
2	Supervision Charges	2751008 Dtd. 26.11.2021	1280.00
3	Goods and Service Tax (18%)	2751008 Dtd. 26.11.2021	230.00
	<b>Total</b>		<b>7410.00</b>

The agreement is executed with the consumer at this office on **31.01.2022**  
As such permission to release Fresh Roof Top Solar-PV System under Net Metering Conn. of Solar rooftop generation of M/S The Principal Bharati Vidyapeeth Collage Of PH & HM, at RS.No.66/2, Mauje Morewadi, Tal- Kagal, Dist- Kolhapur. Cons. No. 251019004810, Appl. ID- 33631750. As per Approval for installation of Roof-Top Solar net metering arrangement Letter No. as per reference is hereby granted Subject to following terms and conditions.

1. The terms and conditions of Approval for installation of Roof-Top Solar net metering arrangement should be observed scrupulously.
2. The Electrical Inspector's approval to charge MSEDCL's Line as well as consumer's installation should be obtained and forwarded to this office (If required).

3. Duly Signed Test report of electrical installation (D1) along with list of machinery actually connected should be sent to this office.
4. The Manufacturer's Test Certificate for electrical equipment should be obtained and forwarded to this office.
5. New Solar Net Metering connection for Solar roof-Top generation report along with all documents should be submitted to this office within 3 days from the date of release of supply.
6. Refer separate earthling of solar rooftop PV project and safety as per circular No. CE/Dist/T/24615 Dt. 03.08.2016
7. Any other terms, condition and formalities as per company's rules and procedure to be observed before release of supply.
8. Executive Engineer, Testing Division, remarks if any may be complied before releasing connection to the party.
9. The release is only for net metering installation.
10. The existing KVA MD Demand/Connected load will remain same.
11. Please submit Meter, CT PT replacement report if any and Solar RPO Meter installation report without fail. **For Solar Generation Meters and Net Meter Multiplication factor must be whole number and it should not be in fraction. So CT/Meter selection should be accordingly.**
12. It should be ensured that the meter is in working condition while releasing the connection.
13. If the consumer has previous L.T. connection if any, the dues against the connection should be cleared before release of the connection.
14. The existing MSEDCL'S line and infrastructure passing through the applicants HT consumer premises if any should be shifted outside the HT consumer premises by the consumer under DDF (1.3% Supervision Charges Scheme) before release of Solar Net Metering connection. This is for your information and immediate necessary action.

  
(A.H. Kawale)  
Superintending Engineer (KC),  
Kolhapur.

Copy s.w.r.s. to: The Chief Engineer (KOPZ) MSEDCL, Kolhapur.

Copy to:

1. The Executive Engineer, MSEDCL, Testing Division, Bapat Camp Kolhapur.
2. The Dy. Executive Engineer, MSEDCL, Sub Division, kagal .  
---- This is for your information and further necessary action.
3. The Sr. Manager F&A (KC) MSEDCL, Kolhapur.
4. M/S The Principal Bharati Vidyapeeth Collage Of PH & HM, at RS.No.66/2, Mauje Morewadi, Tal- Kagal, Dist- Kolhapur.

11/17/21, 5:08 PM

MSEDCL - New Connection



Maharashtra State Electricity Distribution Co. Ltd.

No 75127

25 NOV 2021

Office Name : KOLHAPUR CIRCLE

Sanction No:500/KOLHAPUR CIRCLE/33631750

Date:17-Nov-2021

To,

THE PRINCIPAL BHARATI VIDYAPEETH, COLL. OF PH. & HM  
RS NO 66/2 MAUJE MOREWADI TAL KARVEER DIST KOLHAPUR KOLHAPUR CIRCLE,  
Pin code : 400001  
Mobile : 9850989001, Email : Copkolhapur@bharatavidyapeeth.edu

Subject: Sanction Letter for 200.0 KW Rooftop Renewable Energy Generating System for Consumer Number 251019004810 under Net Metering Arrangement.

Reference: 1. Your Application No. 33631750 Date: 27-Aug-2021  
2. Technical Feasibility date : 30-Sep-2021  
3. MERC Grid Interactive Rooftop Renewable Energy Generating System Report No. 251019004810/30-Sep-2021

Sir/Madam,  
Your application for Rooftop Renewable Energy Generating System vide above reference is hereby sanctioned under Net Metering Arrangement at the above mentioned premises:

Consumer Name: Regular Non Subsidize Agency Name: SR ENERGY CONSULTANTS

Sanctioning Parameters:

Sanctioned Load	315.0 KW	Contract Demand (in KVA)	210.0
Code		DTY Name	
Sanctioned Rooftop RE Capacity (in KW)	0.0	Tariff Category	225-HT Public Services Others New

Sanctioned Parameters:

Sanctioned RE Capacity Solar	200.0 KW
Sanctioned RE Capacity Wind	0.0 KW
Sanctioned RE Capacity Hydel	0.0 KW
Sanctioned RE Capacity Biomass	0.0 KW
Sanctioned RE Capacity Biofuel	0.0 KW
Sanctioned Rooftop RE Capacity	200.0 KW
Relative Rooftop RE Capacity(Existing + Sanctioned)	200.0 KW

Sanction No: 500/KOLHAPUR CIRCLE/Rooftop RE/251019004810/33631750/17-Nov-2021

Terms & Conditions:

- The validity of this sanction is for 06 (Six) months from the sanctioned date i.e. up to 30-Mar-2022 from the sanctioned date 30-Sep-2021. If the Rooftop RE system is not commissioned and commissioning report is not uploaded by 30-Mar-2022, this sanction shall be deemed canceled and you shall have to apply afresh.
- The net metering arrangement and the inter-connection of the Renewable Energy Generating System with the Network of the MSEDCL shall be in accordance with the provisions of the Grid Interactive Renewable Regulations, and the technical standards and norms specified by the Central Electricity Authority for connectivity of distributed generation resources and for the installation and operation of meters.
- The Eligible Consumer agrees, that he shall install, prior to connection of the Renewable Energy Generating System to the Network of MSEDCL, an isolation device (both automatic and in-built within inverter and external manual relays); and the MSEDCL shall have access to it if required for the repair and maintenance of the distribution Network.
- The design, installation, maintenance and operation of the Renewable Energy Generating System shall be undertaken in a manner conducive to the safety of the Renewable Energy Generating System as well as the Licensee's Network.
- The Eligible Consumer shall obtain any statutory approvals and clearances that may be required, such as from the Electrical Inspector (For System Above 200 KW) or the municipal or other authorities, before connecting the Renewable Energy Generating System to the distribution Network.
- The existing metering System, if not in accordance with the Grid Interactive Renewable Regulations, shall be replaced by a bidirectional meter (whole current/CT operated) and a separate Renewable Energy Generation Meter shall be provided to measure Renewable Energy generation. The bidirectional meter (whole current/CT operated) shall be installed at the inter-connection point to the MSEDCL's Network for recording export and import of energy.
- The Generation Meter and bidirectional meters shall be fixed in separate meter boxes in the same proximity.
- Separate Generation Meter shall be installed to each RE Generating source.
- The Eligible Consumer shall bear all costs related to the setting up of the Renewable Energy Generating System, including the cost of the Renewable Energy Generation Meter, bidirectional meter (Net Meter) etc.

Officer In-Charge

Superintending Engineer(Distribution)  
KOLHAPUR CIRCLE

Note: This sanction letter is system generated. Hence, signature is not required.