

SNDT Women's University

Shreemati Nathibai Damodar Thackersey Women's University



NAAC - SSR

CRITERION VII

Supporting Documents

for

7.1.2: The Institution has facilities for alternate sources of energy and energy conservation measures

- 1. Solar energy**
- 2. Biogas plant**
- 3. Wheeling to the Grid**
- 4. Sensor-based energy conservation**
- 5. Use of LED bulbs/ power efficient equipment**
- 6. Wind mill or any other clean green energy**

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Letter for Installation of Grid Connected Solar Plant



SNDT Women's University
Shreemati Nathihal Damodar Thackersey Women's University



Ref. No. JCA/Solar/2017-18/353

January 02, 2018

To,
Mr. Jayesh Bajaj,
Director,
M/s. Aditya Green Energy Pvt. Lts.,
Block No. 1, Kapil Plaza, Signal Camp.,
Near Udyog Bhavan,
Latur-413 512

Sub: Installation of Grid-connected Rooftop Solar Plant at University

Ref. Letter No. SECI/PS/109/2016/16783 dated 08/11/2017 issued by Solar Energy Corporation of India Ltd., Ministry of New and Renewable Energy, Govt. of India

Dear Sir/Madam,

This has reference to the above referred letter and your letter No. AGEPL/SECI-1000/CORR/265 dated 08/11/2017 and letter No. AGEPL/SECI-1000/CORR/267 dated 09/11/2017 - proposal for 500 kWp Roof top Solar PV System on BOOT basis at S.N.D.T. Women's University under the operating scheme "Design, Manufacture, Supply, Erection, Testing and Commissioning including Warranty, Operation and Maintenance of Rooftop Solar PV System" scheme vide Ref. No. SECI/C&P/MNRE/1000MWRT/IND/122016 dated 09/12/2016 of Solar Energy Corporation of India Ltd., New Delhi Tender for Rooftop Solar Project for Government Buildings on Power Sale Mode.

We are happy to inform you that the University has accept the proposal submitted by M/s. Aditya Green Energy Pvt. Ltd., Latur for SECI of Solar Power Project on BOOT basis at the Juhu Campus of the University, under the Rooftop Solar Project for Government Building on Power Sale Mode on the terms and conditions as stipulated by the Solar Energy Corporation of India Ltd., New Delhi in its letter No. SECI/C&P/MNRE/1000MW RT/IND/122016/NOA/5816 dated 12.09.2017 for 500kWp Rooftop Solar PV System on the available roofs of the building in the Juhu Campus of the University for Option-I at the rate of Rs.3.62 per kWp (Unit) with 0% year on year escalation for 25 years.

Dr. Archana Bhatnagar, Campus-in-charge and Mr. Giridhar B. Gajabe, Deputy Registrar, Juhu Campus Administration shall be the contact person for any kind of help needed at the Juhu Campus.

You are requested to initiate the require actions at an early so as to complete the proposal by the end of March-2018.

Yours sincerely,

Dr. Meena Kute
6.1.2018

(Dr. Meena kute)
Registrar (Addnl. Charge)

c.c. to:

1. Mr. R.K. Jain, AGM, Solar Energy Corpn. Of Inida Ltd., New Delhi
2. Dr. Archana Bhatnagar, Campus-in-charge, Juhu Campus
3. Mr. Giridhar B. Gajabe, Deputy Registrar, CA &CPC
4. AGM (Solar), SECI, New Delhi.

*Received
Ajay Bajaj
09/11/18
Gajabhai*



Minutes of Meeting of Installation of Grid Connected Solar Plant

December 16, 2017

MINUTES OF THE MEETING FOR INSTALLATION OF GRID CONNECTED ROOFTOP SOLAR PLANT AT THE JUHU CAMPUS OF THE UNIVERSITY.

The University had meeting with M/s. Aditya Green Energy Pvt. Ltd., Latur, Maharashtra on December 16, 2017 at 11.00am in the Committee Room, at the Juhu Campus of the University for Installation of Grid Connected Roof tops Solar Plant at the Juhu Campus of the University, when the following members were present.

- | | |
|----------------------------|---|
| 1. Dr. Sanjay N. Bharambe, | Registrar |
| 2. Dr. Sanjay N. Pawar, | Principal, UMIT |
| 3. Er. Ashish P. Kamble | University Engineer |
| 4. Mr. Dinesh Girap | Head, Deptt of Computer, PVP |
| 5. Mr. Giridhar B. Gajabe | Dy. Registrar, Campus Administration |
| 6. Mr. Vipul Joisher, | Director, Aditya Green Energy Pvt. Ltd. |

At the outset, Dr. Sanjay N. Bharambe, the Registrar welcomes the members present and briefs the purpose of the meeting. Mr. Vipul Joisher, Director, Aditya Green Energy Pvt. Ltd. presented the detailed about company and the points, which are as follow.

M/s. Aditya Green Energy Pvt. Ltd. has been assigned this project by the Solar Energy Corporation of India Ltd., under the scheme "Design, Manufacture, Supply, Erection, Testing and Commissioning including warranty, Operation and Maintenance of Roof top Solar PV System" vide letter No.SECI/PS/2016/16783 dated8/11/2017.

1. M/s. Aditya Green Energy Pvt. Ltd., has further informed that the tariff shall be Rs.3.620 per kWh.
2. It is time bound project, which will require 120 days to complete the installation and make it operational , it is therefore requested to give the consent at the earliest.

The University Engineer has asked in case, the roof top requires for repairing or maintenance of building terrace, what shall be the status of the solar panel ? Mr. Vipul Joisher has replied that the panel shall be de-installed and the University will have to bear the cost of the generation.

Letter from Registrar for Installation of Grid Connected Plant



SNDT Women's University
Shreeamati Nathibai Damodar Thackersey Women's University



Ref. No. JCA/Solar/2017-18/280

November 10, 2017

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To,
Mr. Jayesh Bajaj,
Director,
M/s. Aditya Green Energy Pvt. Ltd.,
Block No. 1, Kapil Plaza, Signal Camp.,
Near Udyog Bhavan,
Latur-413 512

Sub: Installation of Grid-connected Rooftop Solar Plant at University
Ref. Letter No. SECI/PS/109/2016/16783 dated 08/11/2017 issued by Solar
Energy Corporation of India Ltd., Ministry of New and Renewable Energy, Govt.
of India

Dear Sir/Madam,

This has reference to the above referred letter and your letter No. AGEPL/SECI-1000/CORR/265 dated 08/11/2017 and letter No. AGEPL/SECI-1000/CORR/267 dated 09/11/2017 – proposal for 500 kWp Roof top Solar PV System on BOOT basis at S.N.D.T. Women's University under the operating scheme "Design, Manufacture, Supply, Erection, Testing and Commissioning including Warranty, Operation and Maintenance of Rooftop Solar PV System" scheme vide Ref. No. SECI/C&P/MNRE/1000MWRT/IND/122016 dated 09/12/2016 of Solar Energy Corporation of India Ltd., New Delhi Tender for Rooftop Solar Project for Government Buildings on Power Sale Mode.

I am happy to inform you that the proposal submitted by you dated 09/11/2017 for 500kWp Rooftop Solar PV System on the available roofs of the building in the Juhu Campus of the University for Option-I at the rate of Rs.3.62 per kWp (Unit) with 0% year on year escalation for 25 years is placed for the approval of the Management Council of the University. I will inform you as soon as the proposal approve by the Management Council.

Thank you,

Yours sincerely,

(Dr. Sanjay N. Bharambe)

Registrar

o/c
10/11/17

executed through their duly authorized representatives as of the date set forth above.

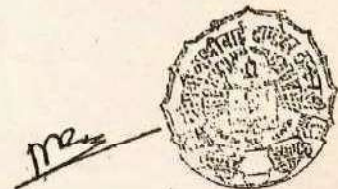
FOR & ON BEHALF OF THE PRESIDENT OF INDIA		FOR & ON BEHALF OF POWER PRODUCER	
Signature:	<i>[Signature]</i> 6.2.2018	Signature:	<i>[Signature]</i>
Name:	DR. MEENU P. KUTE	Name:	VIPUL K. JOISHI
Designation:	Registrar (Addl Charge)	Designation:	Autno. Signatory.

WITNESSES			WITNESSES		
1	Signature:	<i>[Signature]</i> 9/2/18	1	Signature:	<i>[Signature]</i>
	Name: Name:	Dr. S. G. Waghmare		Name: Name:	Atul Patil
	Designation:	VC, SNDTH Uni. Mumbai		Designation:	Manager

2	Signature:	<i>[Signature]</i> 9/2/18	2	Signature:	<i>[Signature]</i>
	Name: Name:	V. H. Magare		Name: Name:	Charal. N. Cori
	Designation:	Pro-Vice-Chancellor		Designation:	Business Development Partner

SCHEDULE-I

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8/11/17
Letter from Solar Energy Corporation इंडिया लिमिटेड

(भारत सरकार का उपक्रम)
Solar Energy Corporation of India Ltd.
(A Government of India Enterprise)

स्वच्छ भारत - स्वच्छ ऊर्जा

No: SECI/PS/ 109 /2016/ 16783

Dated: 08-11-2017

To,
Vice Chancellor
SNDT Women's University,
1, Nathibai, Thackersey Road,
Mumbai, Maharashtra - 400020

Subject: Installation of Grid-connected Rooftop Solar Plants

Sir,

Solar Energy Corporation of India Ltd. (SECI) is a company dedicated to the development of Solar Energy sector, under the administrative control of the Ministry of New and Renewable Energy (MNRE), Government of India.

We would like to inform that presently SECI is operating a scheme for "Design, Manufacture, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance of Rooftop Solar PV System", vide RfS No.: SECI/C&P/MNRE/1000MW RT/IND/122016 dated 09/12/2016.

M/s Aditya Green Energy is one of the successful bidders in the tender and has been allocated 3000 kWp capacity in RESCO mode in Maharashtra. Bidder details are as follows:

Bidder	Tariff (Rs./kWh)	Contact Person	Mobile No/ email
Aditya Green Energy	3.620	Jayesh G. Bajaj	9890048748 adityagreenenergy@rediffmail.com

As per the procedures of our scheme, your institute will have to sign a 25-year PPA with SECI's vendor. The standard PPA has been made available with the tender and is also available at MNRE website.

The L1 traffic stream details for 25-year is enclosed herewith.

The bidder is required to submit the copy of signed PPA and the DPR of the project to SECI for sanction under the scheme.

You are requested to direct your officers to follow the above-mentioned procedure at the earliest so that the sanction can be granted by SECI and execution work can be commenced.

Thanking you,

Yours faithfully,

(R. K. Jain)
AGM (Solar)

Requestor
for further action
8/11/17

Price Bid

Implementation of 1000MW Grid Connected Roof Top Solar PV System Scheme for Government Buildings in Different States/ Union Territory of India Under CAPEX/ RESCO Model (500MW Capacity PHASE - I)

PRICE BID for RESCO (For Projects Ranging From 2 MWp to 50 MWp) - MAIN BID

Maharastra-02MWp

Sl. No.	Year of Operation	Tariff (INR / kWh)	Discount Factor @ 11%	Discounted Tariff (INR / kWh)
1	2	3	4	5 = 3 * 4
1	1st Year (First Year)	3.62	1.000	3.62
2	2nd Year (Second Year)	3.62	0.901	3.26162
3	3rd Year (Third Year)	3.62	0.812	2.93944
4	4th Year (Fourth Year)	3.62	0.731	2.64622
5	5th Year (Fifth Year)	3.62	0.659	2.38558
6	6th Year (Sixth Year)	3.62	0.593	2.14666
7	7th Year (Seventh Year)	3.62	0.535	1.9367
8	8th Year (Eighth Year)	3.62	0.482	1.74484
9	9th Year (Ninth Year)	3.62	0.434	1.57108
10	10th Year (Tenth Year)	3.62	0.391	1.41542
11	11th Year (Eleventh Year)	3.62	0.352	1.27424
12	12th Year (Twelfth Year)	3.62	0.317	1.14754
13	13th Year (Thirteenth Year)	3.62	0.286	1.03532
14	14th Year (Forteenth Year)	3.62	0.258	0.93396
15	15th Year (Fifteenth Year)	3.62	0.232	0.83984
16	16th Year (Sixteenth Year)	3.62	0.209	0.75658
17	17th Year (Seventeenth Year)	3.62	0.188	0.68056
18	18th Year (Eighteenth Year)	3.62	0.170	0.6154
19	19th Year (Nineteenth Year)	3.62	0.153	0.55386
20	20th Year (Twentieth Year)	3.62	0.138	0.49956
21	21st Year (Twenty First Year)	3.62	0.124	0.44888
22	22nd Year (Twenty Second Year)	3.62	0.112	0.40544
23	23rd Year (Twenty Third Year)	3.62	0.101	0.36562
24	24th Year (Twenty Fourth Year)	3.62	0.091	0.32942
25	25th Year (Twenty Fifth Year)	3.62	0.082	0.29684
Total		INR 33.851		
Levellized Tariff for 25 Years (in INR / kWh) = X/9.351				INR 3.62
Levellized Tariff for 25 Years in Words				Three Rupees sixty two paise
Note-1: - In case of discrepancy in the Main Bid (Excel File) and Electronic Form, the Price mentioned in the Excel File will prevail. Also It may be noted that the applicable incentive amount shall be released directly to successful bidder / developer in Indian Rupees (INR) only.				
Note - 2: - The year of operation for first year shall be calculated w.e.f. date of commercial operation to 31st March of immediately succeeding financial year.				
Note - 3: - The year of operation from second year upto twenty fifth year shall be calculated w.e.f. 1st April to 31st March of immediately succeeding financial year.				
a. The levellized tariff shall be calculated up to three decimal places. However in case of a tie it may be expanded to break the tie.				
b. Tariff stream quoted by the bidder shall be levellized with a discounting rate of 11% only.				
c. Maximum allowable Levellized Tariff for this part is as per clause no. 2 of Amendment-V.				
d. Bids not in confirmity with above provisions will be rejected				

Date 11.05.2017

Signature of Authorized Signatory

Place Hyderabad

Printed Name M.Srinivasa Reddy

Address Fourth Partner House, Plot No.N46, H.No 4-9-10 HMT Nagar, Nacharam Hyderabad, Telangana, 500076

Designation Head-Operations

Seal

