

# GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

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No. GCOEARA/Store/2017-18/3787

Date 26 OCT 2017

To,  
HOD- Computer Engineering for display on College Website

Subject : Quotation for supply of following Solar Rooftop PV System.

Govt. College of Engineering & Research, Awasari (khurd) has received a grant for installation of solar roof top PV system, from Savitribai Phule Pune University, Pune, under Quality Improvement Program. In this Govt. organization there are different buildings of different department at different location in the campus. This institute is interested to install Grid Tied solar rooftop PV system, as per specifications mentioned by SPPU. In this regard, please send your quotation for the following items as per the terms and conditions listed below mentioning our reference letter number, date & due date of quotations on sealed envelope on or before 13.11.2017 at 3. PM

**The bidders are advised to visit the actual site before quoting so as to understand the exact scope & quantum of work.**

Sr.No.	Specification
1	<b>Solar Rooftop PV System</b> Please quote for 8 kWP, 10 kWP, 12 kWP, 15 kWP system separately. <b>Detail scope of supply is as per enclosed sheet</b>

### Terms & Conditons

- 1 Taxes – Inclusive / if extra clearly mention the percentage.
- 2 Delivery period –
- 3 Payment Terms –
- 4 Quotation Validity –
- 5 Warranty -
- 6 Guaranty-
- 7 Delivery Charges – Free / if extra mention clearly.
- 8 The part supply and its bill will strictly not be entertained.
- 9 If you fail to supply the stores within the specified period, the order will be treated at cancelled without any information.
- 10 The material will be accepted subject at approval(after inspection of the material),If rejected it will be returned to you at your cost.
- 11 The material to be supplied should be strictly according to the specification only.
- 12 Octroi is not applicable since Institute is located in Gram Panchayat area.
- 13 Please attach copy of your shop registration certificate and **GST Registration Number** alongwith your quotation, without which your quotation will not be accepted.



( Dr. A. S. Pant )  
Principal

Govt.College of Engineering & Research Awasari  
Awasari(khurd)

## Annexure-1

## Technical Specifications of components in Rooftop PV system under QIP program of SPPU

SR. NO.	DESCRIPTION OF ITEM	SUPPLIER MAKE
<b>A-1</b>	<b>Modules-PolyCrystalline</b>	
<b>1</b>	PV Modules-Polycrystalline, 250 Wp-320 Wp range, including module interconnection MC4 Connectors (Indian Make with RFID TAG)	Waaree Solar, Vikram Solar, TATA Power Solar, Renewsys Solar, EMMVEE Photovoltaics
<b>A-2</b>	<b>Grid-tie Inverter</b>	
<b>1</b>	Grid-tie On-line Solar String Inverters with SPD on both DC & AC Side	SMA, Delta, Fronius, Schneider, Xantrex
<b>A-3</b>	<b>BOS Components</b>	
<b>1</b>	Single Core, Multistrand, 4 Sq. MM TUV approved Solar Cable for DC side	Lapp, Top, Leoni
<b>2</b>	Multistrand Cable for AC Side	Finolex, Polycab, RR Cable
<b>2</b>	MC4 Connectors suitable for 4 sqmm Cable (Male & Female)	Multi-Contact, Biz-link
<b>3</b>	UV Protected Cable Ties for Solar Cables	Surelock or Equivalent
<b>4</b>	Solar LT panels with generation meter and MCCB for isolation	L&T/ Siemens/ABB
<b>A-4</b>	<b>Module Mounting Structures</b>	
<b>1</b>	Module Mounting AL Profiles, Rails etc. for Metal Sheet Roof	SAPA, PROINSO, Jurchen or Equivalent
<b>2</b>	Module Mounting Structure on RCC rooftops - Hot Dip Galvanised (80 Micron)	Local
<b>A-5</b>	<b>Grounding and Security System</b>	
<b>1</b>	Treated Earth Pits 50mm dia *3 mt Cu Bonded Earth Rods with back fill compound	Reputed
<b>2</b>	Lightning Arrestor-ESE or conventional type with Earth pit	JMV, SABO or Equivalent
<b>3</b>	GI Strip ( 25 x 3 mm ) for Plant Earthing	Reputed
<b>A-6</b>	<b>Monitoring System, Cables and accessories</b>	
<b>1</b>	<b>Mandatory:</b> Generation Data Monitoring System with web based server and access of user id and	Reputed

	password to access the same to be shared with Savitribai Phule Pune University) Optional: Weather monitoring system including of Irradiance sensor, Air temperature, Module temperature sensor, Power supply and accessories and data logger	
2	Wi-Fi /GPRS internet modem	Reputed
A-7	<b>Cable Trays and Accessories</b>	
1	Cable Tray of required sizes	Reputed
2	Cable glands, lugs, ferruls etc	Reputed
3	HDPE/ PVC pipes	Reputed
A-8	<b>Fire Fighting system</b>	
1	Danger Board	Reputed
2	Fire Extinguishers Equipments	Reputed
A-9	<b>Net-meter</b>	
1	MSEDCL approved Net-meter	Secure/ L&T