

Centre of Excellence for Green Energy & Sensor Systems
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103.

Notice Inviting Quotations

Advt.No: Web/IEST/CEGSS/2018-19/74 DATE : 29.11.2018

Sealed quotations are invited for the supply of :

Item: 5KW 3Phase String Inverter.

As per the following technical specification. The technical specification can be downloaded from the website. The document can be also obtained from the Centre of Excellence for Green Energy & Sensor Systems (**Contact : Prof. P.K. Nandi / Prof. H. Saha**) between 10.30 a.m. and 5.30 p.m. on all working days. The invitation is valid for 07 working days from the date of publication of this notice.

SECTION I: TERMS & CONDITIONS

1. The last date of receipt of quotation is valid **for 07 working days** from the date of publication of this notice. Quotations received later will not be entertained under any circumstances.
2. Potential supplier are to submit the quotations in Sealed Cover to the Centre of Excellence for Green Energy & Sensor Systems in the following address:

Prof. P.K. Nandi / Prof. H. Saha
CEGESS
IEST, Shibpur
Howrah-711 103, India.

3. Item name must be mentioned on cover.
4. The price quoted should be inclusive of all Taxes in INR, duties and levies. Inclusion of Tax/Levy at a latter stage will not be accepted. Freight, Insurance charges should be clearly indicated. If GST is chargeable then price quoted should be inclusive of GST in INR. @ **5% (CGC will be provided by IEST, Shibpur)**. Price should be CIF, IEST, Shibpur basic. **(Clearing charges and Custom duty will not be paid extra, it should be include with base price.**
5. Vendor should have proven track record of supply of same item and same value in IEST, IIT, NIT, IISc and they will get extra privilege.
6. Commercial Papers duly signed & must be attached.
7. Quotation has to be kept valid for acceptance for a period of 6 months without any modifications in its terms and conditions.
8. Documents to be submitted with the Quotations :
 - General Conditions (Section I) and Important Instruction (Clint list) in original duly signed by the Proprietor/ Partner/ Director of the company as a token of acceptance of Terms and Conditions of Tender.
 - Latest Income Tax, Sales Tax, Professional Tax, CST clearance certificates and copy of valid Trade License. (Photo copy duly signed) (Compulsory).
9. IEST, Shibpur, reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever.

SECTION II: TECHNICAL SPECIFICATIONS :-

Item.

5KW 3Phase String Inverter

INPUT (DC)	X3-5.0-T
Max.DC power [W]	6500
Max. DC voltage [v]	800
Nominal DC operating voltage [V]	600
Max. input current (input A/input B) [A]	11/11
Max. short circuit current (input A/input B) [A]	14/14
Operating voltage range [V]	160-750
MPPT voltage range[V] (full load)	240-750
Start up DC voltage [V]	140
Start output DC voltage [V]	180
Shut down DC voltage [V]	100
No. of MPP trackers	2
Strings per MPP tracker	1
DC disconnection switch	Optional
OUTPUT (AC)	
Nominal AC power [W]	5000
Max. apparent AC power [W]	5000
Rated grid voltage (AC voltage range) [V]	3/N/PE, 230/400(310-480)
Rated grid Frequency [Hz]	50/60; +-5
Max. AC current [A]	8.0
Displacement power factor	0.8leading-0.8lagging
THDi, rated power [%]	<2
EFFICIENCY	
MPPT efficiency [%]	>99%
Max. efficiency [%]	>98%
POWER CONSUMPTION	
Night consumption [w]	<3
STANDARD	Certified by Competent Authority for Safety and EMC
Warranty [Year]	5