

**Office of the Dean Research and Development
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103**

Project Code: DRC/MNRE/CEGESS/HS/006/11-12

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

Notice Inviting Quotations

Sealed quotations are invited for the supply of **1. 3kWp solar Module mounting Structure 2. Quartz IR Lamp. 3. AZo target** as per the following technical specification. The relevant 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. H. Saha) between 10.30 a.m. and 3.00 p.m. on all working days. The invitation is valid for 7 working days from the date of publication of this notice.

Dean (R & D)

(A. Code DRC-T075/16-17)

SECTION I: TERMS & CONDITIONS

1. The last date of receipt of quotation is valid **for 7 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. Hiranmay Saha
Chair Professor & Project Investigator
CEGESS
IIEST, Shibpur
Howrah-711103, 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.
5. Suppliers should have proven track records of supply in IIEST, Shibpur, NIT, IIT, etc
6. Payment after delivery. No advance will be entertained as per Cent. Gov rules or advance against Bank Guarantee.

SECTION II: Technical

Item: 1

TENDER SPECIFICATION FOR 3kWp SOLAR MODULE MOUNTING STRUCTURE

The 3kWp flat concrete roof mounted solar module mounting structure with frames and leg assemblies shall be made of hot dip Galvanized steel (e.g. angle, channel etc). Minimum thickness of galvanization should be at least 80 microns. The structure design shall be appropriate with a factor of safety of not less than 1.5 and considering the wind load 150km/Hr. The members will be mixture of medium & light grade as per IS 1161-1979. Testing certificate after welding (if necessary) & galvanization should be produced at the time of commissioning of the plant.

PCC foundation shall be of **400*400*600 mm³** dimension for each structure leg.

Installation of structure and foundation.

Item: 2

SECTION II: TECHNICAL SPECIFICATIONS for Quartz IR lamp requirement for firing furnace.

1.

- i. Wattage/Voltage --1.25 KW, 240V,
- ii. LENGTH – 680 MM
- iii. DIAMETER -12 MM,
- iv. Quantity: 10 nos.

NB: Outer glass of the lamp must be Quartz, and it must be withstanding the temperature 1100 °C

2.

- i. Wattage/Voltage --500 Watt, 110V,
- ii. LENGTH – 118 MM
- iii. DIAMETER -12 MM,
- iv. Quantity: 10 nos.

NB: Outer glass of the lamp must be Quartz, and it must be withstanding the temperature 650 °C

Item: 3

SECTION II: TECHNICAL SPECIFICATIONS for AZO Target

ZnO : Al

98 % :% 2

Purity : 99.99%

Dia : 2 Inch

Thickness: 3 m.m.

Backing Plate : OFC (Thickness 3 m.m)