

**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

Item 1. Dip coating system , Item 2. Single crystalline silicon wafer

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. 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-T054/16-17)

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
IEST, 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.

SECTION II: TECHNICAL SPECIFICATIONS

Item 1.

Dip coating system

Specifications (Single-vessel Dip Coating System Model No.: *Xdip-SV1*)

- Micro-controller Controlled
- Dipping & Lifting Speed: 0.5-450 mm/min
- Dipping & Lifting Length: 150 mm
- Film Length: 100 mm
- Arrow Display for Dipping & Lifting
- Unlimited Deposition Cycles
- Unlimited Drying & Wetting Time
- 15 Preset Editable Programs
- Non-volatile Program Memory
- Input & Controlling through Key-pad
- Integrated Power On/Off Switch with Indicator
- Substrate Mount/Unmount Option
- Blank Distance Adjustment Option
- Self-performance Test Option
- Real-time Display of Control Processes on 4 Line LCD
- Console
- User-friendly Firmware Interface
- Power: Indian Standard
- Wattage: 120 W (Maximum)
- Single substrate holder

Item 2.

Technical Specification:-

1. Single Crystal Silicon Wafer

Grade : Prime-CZ

Diameter : 3 inch.
Thickness : 380+/-25 μm
Orientation : <100>
Resistivity : 1-10Ohm cm
Surface : Single Side Polished
Type : P-Boron Doped

Quantity : 10 numbers