**Office of the Dean Research and Consultancy**

**Indian Institute of Engineering Science & Technology (IIEST), Shibpur**

**Howrah-711 103**

**Project Code: DRC/DST/CEGESS/KDB/004/21-22**

**School of Advanced Materials Green Energy & Sensor Systems**

**Indian Institute of Engineering Science & Technology (IIEST), Shibpur**

**Howrah-711 103**

**Ref.: Tender Advt. No. CGE 1737, dated 17.01.2022**

**Notice Inviting Quotations**

Sealed quotations are invited for the supply of:

Item. **Battery Emulator.**

As per the following technical specification.The technical specification can be downloaded from the website. The document can also be obtained from the School of Advanced Materials Green Energy & Sensor Systems (**Contact :Prof. Konika Das Bhattacharya**) between 10.30 a.m. and 5.30 p.m. on all working days. The invitation is valid for 07working days from the date of publication of this notice.

**Dean (R & C)**

**(A. Code DRC-T051/21-22)**

**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 is to submit the quotations in Sealed Cover to the School of Advanced Materials Green Energy & Sensor Systems in the following address:

**Prof. Konika Das Bhattacharya / Prof. Anup Mondal**

 **SAMGESS**

 **IIEST, Shibpur**

**Howrah-711 103, India.**

1. **Item name& tender code must be mentioned on cover otherwise the quotation will not be accepted.**
2. The price quoted should be inclusive of all Taxes in INR, duties and levies. Inclusion of Tax/Levy at a later 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 IIEST,Shibpur).**

Price should be CIF, IIEST, Shibpur basic. (**Clearing charges and Custom Duty will not be paid extra, it should be include with base price.**

1. Vendor should have proven track record of supply in Govt. / Non-GovtOrganization.

**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 (Client list) in original duly signed by the Proprietor/ Partner/ Director or any authorized person 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.** IIEST, Shibpur, reserves the right to accept / reject all or any of the tenders without assigning any reason whatsoever.

10. Custom Duty Exemption Certificate will be provided by the IIEST (If applicable).

**11. No advance payment will be made before the delivery of the item.**

**SECTION II: TECHNICAL SPECIFICATIONS :-**

# Item.

 **Battery Emulator**

Technical Specifications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |
| --- |
|  Input Rating |

 | Power |

|  |
| --- |
|  1500W |

 |
| Voltage |

|  |
| --- |
|  0-150V |

 |
| Current |

|  |
| --- |
|  0-60A |

 |
|

|  |
| --- |
|  CC Mode |

 | Range |

|  |
| --- |
|  0-60A |

 |
| Resolution |

|  |
| --- |
|  1mA |

 |
| Accuracy |

|  |
| --- |
|  ±(0.05%of set+0.045%off.s) |

 |
|

|  |
| --- |
|  CV Mode |

 | Range |

|  |
| --- |
|  0-150V |

 |
| Resolution | 1mA |
| Accuracy |

|  |
| --- |
|  ±(0.05%of set+0.025%off.s) |

 |
|

|  |
| --- |
|  CR Mode |

 | Range |

|  |
| --- |
|  10Ω-7.5KΩ |

 |
|  | Resolution |

|  |
| --- |
|  16 bit |

 |
|  | Accuracy |

|  |
| --- |
|  ±(0.05%of set+0.025%off.s) |

 |
| CW Mode | Range | 1500W |
| Resolution | 0.01W |
| Accuracy | ±(0.1%of set+0.1%off.s) |
| Slope | Range | 0-60A |
| Rising | 0.001-2A/us |
| Falling | 0.001-2A/us |
| Voltage measurement | Range |

|  |
| --- |
|  0-150V |

 |
| Resolution | 1mA |
| Accuracy |

|  |
| --- |
| ±(0.03%of set+0.025%off.s) |

 |
| Current measurement | Range | 0-60A |
| Resolution | 1mA |
| Accuracy | ±(0.05%of set+0.045%off.s) |
| Power measurement | Range | 1500W |
| Resolution | 0.01W |
| Accuracy | ±(0.1%of set+0.1%off.s) |
| Over power protection | 1550W |
| Over current protection | 62A |
| Over voltage protection | 155V |
| Over temperature protection | 85°C |
| Input impedance | 150KΩ |