

Indian Institute of Engineering Science & Technology (IEST), Shibpur  
Howrah-711 103

**Expenditure Head/ Project Code: 21021200 - 83 - 50, 31 - PLAN GENERAL (50)**

School of Advanced Materials, Green Energy & Sensor Systems  
Indian Institute of Engineering Science & Technology (IEST), Shibpur  
Howrah-711 103

Tender ID: CGE-IF01/22-23

### **Notice Inviting Quotations**

Sealed quotations are invited for the supply of consumables: For details, please see **SECTION-II (Attached)**

The document with technical specifications can be downloaded from the website. The document can also be obtained from the **School of Advanced Materials, Green Energy & Sensor Systems (SAMGESS) (Contact : Prof. Santanu Das, Head, SAMGESS)** between 10.30 a.m. and 5.30 p.m. on all working days. The last date of receipt of quotation is within **07 working days** from the date of publication of this notice.

## **SECTION I: TERMS & CONDITIONS**

1. The last date of receipt of quotation is within **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 (SAMGESS)** in the following address:

**Prof. Santanu Das,  
Head, SAMGESS  
IEST, Shibpur  
Howrah-711 103, India.**

3. **Item name & tender code must be mentioned on cover otherwise the quotation will not be accepted.**
4. 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. @ **18%**.  
Price should be CIF, IEST, Shibpur basic.
5. Vendor should have proven track record of supply in IEST, IIT, NIT, IISc.
6. Commercial Papers duly signed & must be attached.
7. Quotation has to be kept valid for acceptance for a period of 3 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. IEST, 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 IEST (If applicable).
11. **No advance payment will be made before the delivery of the item.**

**SECTION II: TECHNICAL SPECIFICATIONS :-**

<b>Sl. No.</b>	<b>Item Name &amp; Description</b>	<b>Quantity</b>
1.	Fresh Cow Dung	30 Ton
2.	Laboratory grade 99.9% pure hydrogen peroxide (30%)	2 litre
3.	Laboratory grade 99.9% pure ammonia solution (30%)	2 litre
4.	Laboratory grade 99.9% pure hydrochloric acid (35%)	1 litre
5.	Laboratory grade 99.9% pure 2-propanol	2.5 litre
6.	Laboratory grade 99.9% pure acetone	2 litre
7.	Laboratory grade 99.9% pure hydrofluoric acid (48%)	0.5 litre
8.	AR grade tetrachloro ethylene	0.5 litre
9.	Autoclavable PP Petri Dish 125 mm	1 box
10.	Ultra High Purity Oxygen Gas	7 cubic metre
11.	Ultra High Purity 99.999% Argon Gas	7 cubic metre
12.	Transportation charges for item 1 and 2	-
13.	Handling/filling charges for item 1 and 2	-
14.	POWERFLEX 4M MODELURGENT OF FOLLOWING ITEMS. -3 PHASE AC DRIVE -AC DRIVE, WITH EMBEDDED ETHERNET/IP AND SAFETY, (2.5HP),480V AC INPUT,3PH,50-60 HZ,2.5A OUTPUT,IP20,UL-NEMA TYPE OPEN, PANEL MOUNTING, OMIT BRAKE IGBT, FRAME A,0.98 PF, INTEGRAL KEYPAD WITH POTENTIOMETER AND LED DISPLAY,RS485, FIXED TERMINAL BLOCK CONNECTIONS(3 PHASE). 22F- D6P0N103	1 no.
15.	Magnetic coupled pump 0.25 hp 3 phase 415 volt mono block centrifugal pump with flow rate of 50 lit/min (Max)	2 nos.
16.	3/4 inch with 2mm thickness UPVC pipe of 10 feet	1 no.
17.	Ammonium metavanadate (ACS grade, SKU 10028-25G)	25 gm x 1
18.	Nickel Foam Sheet (1 m × 1 m)	1no.
19.	Conducting Graphite Sheet (1 ft × 1 ft)	1 no.
20.	Carbon conductive tape (0.6 cm × 4 m)	1 no.
21.	N, N Dimethyl formamide (ACS Reagent)	500 ml x 2
22.	Zinc nitrate hexahydrate	500 gm x 1
23.	Nickel nitrate hexahydrate	500 gm x 1
24.	Cobalt nitrate hexahydrate (ACS Reagent)	100 gm x 1
25.	Pasteur pipettes (3 ml) dropper	1 box of 1000 pcs
26.	Hydrogen peroxide (30%)	500 ml x 1
27.	Vanadium (IV) Oxide (≥99%) (VO <sub>2</sub> /V <sub>2</sub> O <sub>4</sub> )	5 gm (1bottle)