

DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

Indian Institute of Engineering Science and Technology, Shibpur

Howrah-711 103

Enquiry No. 01/MET/IEST/LEA/2021-22

16/09/2021

To,

All the Enlisted Suppliers/Dealers/Manufacturers

Sealed quotations are invited for supply of the following Equipment (Salt Spray Chamber) for the Dept. of Metallurgy and Materials Engineering. The sealed quotations should be addressed to the Head of the Department indicating enquiry no. with date on the top of the sealed envelope. The sealed quotations should be submitted at the office of the department on any of the working day up to 27/09/2021 till 5.00 P.M.

Terms and conditions:

- i. All rates quoted should include all taxes, levies & duties. **Request for inclusion of any tax/levy at later stage will not be entertained.**
- ii. Transportation, Packing, Forwarding, installation, training and Insurance Charges if any to be charged should be specifically indicated.
- iii. Delivery place : IEST, Shibpur
- iv. GST applicable will be 5% for research facility of the Institute. The certificate will be provided by the Institute with the Purchase Order
- v. The Institute reserves the right to accept or reject all or any of the quotation without assigning any reason whatsoever. The decision of the Institute shall be final in case of any dispute.
- vi. The delivery of items must be completed by 2 weeks from the date of issue of Purchase Order.
- vii. Bills in Triplicate should be presented for payment within 07 days of supply/completion of Items / work.
- viii. The Order no. is to be noted on both challan & Bill.
- ix. All bills are to be accompanied with the order copies and challans.
- x. Payment will be made within 90 days from Submission of proper bills; challans etc. by A/c payee cheque or NEFT. **No Cash payment will be made under any circumstances. No advance payment can be made All payments are subjected to statutory deductions as and when applicable.**

- xi. SELECTION WILL BE MADE PURELY ON ESSENTIAL TECHNICAL DOCUMENTS. The IESTS authority will evaluate and compare the quotations (the gross amount i.e. inclusive of all taxes, other charges etc.) determined to be substantially responsive i.e. which- (a) meet the qualification criteria specified in the tender, (b) Are properly signed, and (C) Conform to the terms and conditions, specifications without deviations.
- xii. Only one best quality item (according to our specification) should be quoted against each item. On no account should different qualities e.g. A, B, & C of items be quoted. Those items that have been quoted as per different qualities (In contravention to the specifications) will not be considered at all and will be summarily rejected.
- xiii. Based on our specifications, Brand must be clearly mentioned in the quotation, without which quotation will not be considered.
- xiv. The bidder must submit photo copy of valid Trade License, GST certificate, Professional tax certificate PAN card and Cancel Cheque along with the quotation.



(Debdulal Das)

Head



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Head
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Copy forwarded for information to:

Institute Website, IEST, Shibpur, Howrah-711103

For details the vendors may contact Dr. Sukumar Kundu (Mob. No. 8334043609) during working hours.

Specifications: Salt Spray Test Chamber

- 1 Inner dimensions of chamber (W x D x H): 590 x 380 x 440 mm (minimum)
- 2 Outer dimensions of chamber (W x D x H): 1080 x 650 x 1080 mm (maximum)
- 3 Chamber construction: PVC reinforced hard plastic sheets for complete corrosion proof construction
- 4 Test methods : Natural salt spray (NSS) and acetic acid salt spray test (AASS test), other salt spray test (SS test), CSN / JIS / ASTM can be set.
- 5 Temperature range: RT +5°C to 55°C
- 6 Temperature uniformity: $\pm 2^{\circ}\text{C}$
- 7 Temperature fluctuation: $\pm 0.5^{\circ}\text{C}$
- 8 Temperature sensor : PT100
- 9 Humidity range : $\geq 85\%$ (No Controlled / Display)
- 10 Relative Room Humidity: $\leq 85\%$ RH
- 11 Controller type : PID temperature controllers for chamber and pressure vessel
- 12 Salt Spray Deposition: 0.5 to 2.0ml/80cm²
- 13 Timer : Digital timer 999 hours and more
- 14 Defog Function: Defog must be required
- 15 Canopy: PVC sheet that should Acid and alkali resistance and high temperature-resistance up to 75°C and more
- 16 Canopy Open / Close: Pneumatic up and down
- 17 Reagent bottle: Concealed – easy to clean and durable
- 18 Brine tank (reservoir): 15 Liter inbuilt brine tank with low water level indicator
- 19 Spray mode: Continuous
- 20 Spray nozzle: Spray nozzles made of glass material (Acid / Alkali resistance) life 5000 hours and more
- 21 Compressed Air pressure: 1.00 \pm 0.01kgf/cm²
- 22 Sample racks: 04 Nos. V type racks
06 Nos. O type rods
- 23 Fog accessories: 01 No. Spray tower
01 Nos. cup collectors
01 No. measurement cylinder
- 24 Standard fittings: Pressure regulator, pressure gauge, complete drainage system, along with spray solenoid valve
- 25 Safety features: Fully water protection
- 26 Compressor: Air compressor need to be provided along with the setup for operating the instrument.
- 27 Warrant: One year (minimum) from the date of installation.

Shubham
01.09.2021