



NIELIT CALICUT
 (Autonomous Scientific Society of Ministry of Electronics & Information Technology, Govt. of India)
NIT Campus Post, CALICUT-673 601, KERALA
 Email: purchase@calicut.nielit.in Web: <http://nielit.gov.in/calicut>
 Phone: 0495-2287266 Fax: 0495-2287168

LIMITED TENDER ENQUIRY (RE-TENDER)

By Speed Post

Ref. No.: 2(1136)/2019-20/EVTS/DMETER/RT

Date: **26.02.2020**

To,

DUE DATE: 11.03.2020

1. Quotations are invited for the supply of the items as per Annexure.
2. The quotations duly **SIGNED, SEALED AND SUPERSCRIBED ON THE ENVELOPE WITH THE REFERENCE No. AND DUE DATE**, should be addressed to the undersigned so as to reach on or before the due date stipulated above. Quotations received after the due date will not be considered.
3. The quotations should be valid for acceptance for a period of **sixty days** from the due date
4. Quotations will not be accepted by Fax, Email or any such electronic data transfer form.
5. The quotations should be for goods exactly conforming to our requirements and specifications.
6. If the item is under DGS&D Rate contract, the number and the price applicable must be mentioned. It may also please be indicated whether the supply can be made direct to us at the DGS&D Rate Contract Price.
7. Relevant literature pertaining to the items quoted with full specifications and drawings, if any should be sent along with the quotations, wherever applicable. Samples, if called for, should be submitted free of charges and collected back at the supplier's expenses.
8. Copy of Manufacturing licence, Principal or Authorized Distributor/Dealer Certificate, and Proprietary Certificate, as applicable, should be enclosed.
9. Quotations should be for **free delivery** at our Centre and should clearly specify the **delivery period**. If delivery quoted is Ex-Godown/Consignor Station, delivery charges consisting of freight, packing & forwarding charges, insurance, etc. should be indicated separately. Goods should be supplied duly carriage paid and insured.
10. GST Registration Number of NIELIT Calicut is: **32AAATD0315M1Z6**. GST or any other taxes may be charged as per the rates applicable to Scientific/Educational institutions.
11. Security Deposit @ 5% of the Purchase Order/Invoice value shall be retained, in case order/contract value exceeds Rs.1 lakh, which will be released after the expiry of warranty period.
12. Goods shall not be supplied without an official purchase order.
13. Payment : Payment will be made after completion of supply, installation/assembly and commissioning of the items covered by the order along with necessary spares supplied to the entire satisfaction of NIELIT CALICUT. Payment against invoices shall normally be made within 30 days of receipt and acceptance of equipment/materials at our office. **No advance payment will be made under any circumstance.**
14. Incomplete quotations and quotations which do not comply with all the above instructions are liable to be summarily rejected.
15. NIELIT CALICUT does not bind itself to accept the lowest or any such quotation and has the right to accept or reject whole or any part of tenders or a portion of the supply of goods without assigning any reasons. No correspondence in case of rejected tenders will be entertained.
16. **Earnest Money Deposit (E.M.D.) for Rs. 62,000/-** be deposited by NEFT in the Bank Account No. 10401158037 (IFSC: SBIN0002207) at State Bank of India, NIT Calicut Branch, CREC Campus, Chathamangalam, Calicut – 673 601, in favour of Director, NIELIT CALICUT, failing which the quotation will be rejected. Proof of Deposit of EMD amount with Tenderer's Bank Account No. and IFSC No. should be submitted with the Quotation.

Yours faithfully,

**Purchase In-Charge
For Executive Director**

Encl: **Annexure**

ANNEXURE TO ENQUIRY

Your Quotation No.

Date:

1	Name of item(s)	Dynamometer – 1 No.
2	Specifications & Quantity As per Specifications attached.	
3	Price per unit in Rs. (in figures & words)	Attach separate list, if required.
4	Total Price in Rupees (in figures & words)	
5	Delivery Period	
6	Terms of Delivery	
7	Taxes, Duties, Octroi & any other statutory levies or charges	
8	Transportation, Insurance, Packing & Forwarding etc.	
9	Discount/off etc., if any	
10	GST Registration No.	
11	Payment Terms	
12	Validity of Tender	
13	Warranty	
14	Any other remarks / EMD Amount and Payment details	
15	Signature of the Tenderer with Name and Date	
16	Address with Email ID & Mobile No.	
17	Central Public Procurement Portal (www.eprocure.gov.in) Registration, Email login ID	

- NB:** (1) The prices quoted and Taxes charged should be Academic/Educational Prices/rates, wherever applicable.
- (2) Enquiry for the above items and specifications can also be downloaded from our website <http://nielit.gov.in/calicut> or www.eprocure.gov.in
- (3) Please register at www.eprocure.gov.in and intimate login details without fail. Watch website for regular updates

AC Regenerative Dynamometer with Accessories

Supply installation and commissioning of AC- regenerative dynamometer suitable for testing electric motors up to 5kW, 3000 RPM, 70Nm at NIELIT Calicut - **Qty 1 No.**

Typical specifications

Sl. No.	Item	Requirement	Compliance (Y/N)
1	Motor for loading & regeneration		
	Rated power	10kW	
	Rated speed (RPM)	1500	
	Rated torque (Nm)	70	
	Maximum Speed (RPM)	3000	
	Inertia (kgm ²)	0.04	
	Voltage (V)	400	
	Duty cycle	Continuous	
	Forced cooling	independent	
	Mechanism of measuring torque and rpm	provide	
2	Suitable closed loop controller supporting		
	i) Constant torque mode	provide	
	ii) Constant speed mode	provide	
	iii Display		
	a) Torque accuracy (Nm)	±0.25% of rated	
	b) Speed (RPM)	± 1	
	c) Speed accuracy (RPM)	±0.05% of actual	
	iv) Safety trips		
	a) Low cooling air pressure	provide	
	b) High winding temperature	provide	
	c) Overload	provide	
	d) Reverse rotation protection	provide	
3	Suitable coupling & shaft for connecting dynamo meter with motor under test	provide	
4	Universal motor mounting test bed suitable for motors with diameter up to 200mm and shaft diameter up to 25mm typical	provide	
5	Suitable common base frame for mounting dynamometer, universal motor mount with anti- vibration mounts, levelling mechanism etc.		
6	Sensors		
	i) Temperature	2 Nos	
	ii) RH	1 No	
	iii) Ambient temperature	1 No	
7	Integrated data acquisition system- 16 Channel for measuring motor and dynamo meter parameters & interface to above sensors and the		
	i) Current	0- 20mA	
		4-20mA	

	ii) Voltage	0-5V	
		0-10V	
8	PC based data logging software to monitor and log all the above parameters with facility for the following		
	i) Creating test	provide	
	ii)Data logging and supervisory control	provide	
	iii)Alarm configuration		
9	Control cabinet , suitably wired for mounting the drive , controller and other accessories	provide	
10	Supply, installation and commissioning	Include	
11	Warranty	1 year	
12	Detailed User manual/ operating manual	provide	

Sign of Authorized Signatory with Name & Seal