

**TENDER NO.**

**BIRAC Project/2019-20/001**

**dated**

**29.10.2019**

**Tender Documents**  
**For**  
**Supply of**  
**Scientific Equipment**  
**at**  
**ICMR-NICED**  
**Kolkata**

**ICMR-National Institute of Cholera & Enteric Diseases**  
**P-33, C.I.T. Road, Scheme - XM, Beliaghata,**  
**Kolkata - 700 010**

Dated: 29.10.2019

Sealed Tender / Quotations are invited for supply of Scientific Equipment at ICMR-NICED, Kolkata.

Sealed Tender, complete in all respect, duly signed with stamped of firm on each page including the tender should be dropped in the tender box, placed before the Despatch section (Dr. S.C. Pal Building) on 1<sup>st</sup> Floor on any working day from Monday to Friday within 11.30 a.m. to 5.30 p.m. Tender will be opened by Tender Opening Committee & in presence of tenderers or authorised representative.

**Important Instruction**

- i)** The cost of Tender Fee of **Rs. 500/-** (Rupees Five hundred only ) **[Non-Refundable]** in the form of Demand Draft /Pay Order in favour of **Director, NICED, Kolkata** from any Nationalised Bank should be submitted along with the Technical Bid.
- ii)** The validity of tender will be one year from the date of approval of the Tender.
- iii)** The tenders must attach self-attested photocopies of latest and valid GST registration certificate and proof of filing Income Tax returns last 3 years and onwards. Failure to submit the same Tender will be invalid automatically. However Govt. of India / State Govt. Department and Public Sector Undertakings (Central/State) are exempted from submitting GST & Income Tax clearance certificate.
- iv)** Self-attested PAN card should be submitted.
- v)** Tender document duly signed with rubber seal of the firms in token of acceptance by the tenderer of all terms & conditions.

**Cost of Tender Fee Rs. 500.00**  
**(non-refundable)**

## **Tender Notice**

### **ICMR-National Institute of Cholera & Enteric Disease**

P-33, C.I.T. Road, Scheme-XM, Beliaghata, Kolkata-700010.

Website- [www.niced.org.in](http://www.niced.org.in)

Telephone No. : 033-2353-6479, 2370 -4478/5533. Fax no. : 033-2370-5066, 2363 2398.

Email: [store.niced@icmr.gov.in](mailto:store.niced@icmr.gov.in) / [storeniced1@gmail.com](mailto:storeniced1@gmail.com)

Sealed Tenders are invited to supply of the following Scientific Equipment at ICMR-N.I.C.E.D., Kolkata

Sl. No.	Tender Code No.	Description	Qty.	Estimated unit cost of the equipment (Rs. in lakh)	EMD (Rs.)	Last date of submission of bid (upto 1.30 PM)	Date of opening (3.00 PM)
1	BIRAC Project/2019-20/001	Microprocessor Controlled Autoclavable Fermenter (5L)	1 No.	4.50 lakh	9000/-	15.11.2019	15.11.2019

## **Expression of Interest Documents (EOI)**

Sealed quotations are invited from eligible vendors supplying scientific Instruments with Govt. of India/Govt. of West Bengal/Autonomous bodies of Govt. of India/any reputed public limited company. Vendors must have vast knowledge and expertise in setting up of GLP/R & D Lab facility in India having their own engineering consultant/architect with similar laboratory setup experience.

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## **INTRODUCTION**

ICMR-National Institute of Cholera & Enteric Diseases (**ICMR-NICED**), Kolkata is a premiere Institute of Indian Council of Medical Research and engaged for significant research work on Diarrhoeal diseases and others infectious diseases. ICMR-NICED is publishing scientific papers with high impact factors and contributing to development of manpower. Collaborative research with various national and international organizations is other scope of activities of ICMR-NICED.

It is an Autonomous body funded by Govt. of India under Department of Health Research, Ministry of health & family welfare.

## **CALENDER EVENT**

<b>Date of Issue of Documents</b>	<b>29.10.2019</b>
<b>Last Date of Submission</b>	<b>15.11.2019 at 01.30 PM.</b>
<b>Place of Submission of EOI Documents</b>	<b>Tender Box kept on the 1<sup>st</sup> Floor, at ICMR-NICED-I Building.</b>
<b>Date of opening of Technical Bid</b>	<b>15.11.2019 at 03.00 PM.</b>
<b>Date of opening of Financial Bid</b>	<b>To be announced after Verification of Technical Documents.</b>
<b>Place of opening of EOI Documents</b>	<b>Dr. B. C. Deb Auditorium at ICMR-NICED-I Building.</b>
<b>Address</b>	<b>P-33, C.I.T. Road, Scheme-XM, Beliaghata, Kolkata-700010.</b>
<b>Telephone No.</b>	<b>033-2370-5533/4478</b>



**Type and Nature of Work:      *Supply of Scientific Equipment***

**Name of Equipment: Microprocessor Controlled Autoclavable Fermenter (5L)**

**Qty : 01 No.**

<b><u>Item</u></b>	<b><u>Specifications</u></b>
General	Autoclavable Fermentor/ Bioreactor, Microprocessor controlled, Table Top, Borosilicate Glass Jacketed vessel with stainless steel head plate; Total Capacity: 5 Ltr, Working Volume: 3.5 Ltr
Aeration	Supply and mixing two gases (air, O <sub>2</sub> ) to ensure oxygen enrichment, including 2 pressure reducers with pressure gauges; 2 rotameters (for air 0 – 10 l/min for O <sub>2</sub> – 5 l/min, can be customized to other ranges); microbiological filter; ring sparger (optionally microsparger); inlet gas filter; outlet gas filter with easy bending condenser; membrane valve and filter
Mixing	Top placed motor with magnetic drive
Impellers	Two (6-blade) standard Rushton turbine type agitators
Mixer rotation speed (rpm)	40 – 1000
Ports	For mixer/agitator drive; for pH, pO <sub>2</sub> , T, foam and liquid level sensors, port with three needles for introducing additives to control the pH, level and foam; hemostat tube for pumping of the product; aseptic pierceable membrane port, a port for the incoming gas with a filter of 0,2 micron, the condenser exhaust gas with a filter of 0,2 um, aseptic sampler; 2 spare ports closed with plugs
Bottom lid	Metal bottom with jackets for temperature control; Autoclavable aseptic sampler
Frame of the control unit	Made from stainless steel A304, dimension 300 x 450 x 600 mm
Controller, control panel	PLC- Siemens Simatic ET200SP Touch panel with built-in cMT Viewer
Communication	Ethernet connection to SCADA PC Ethernet connection to IAN or WAN for remote maintenance WiFi connection (VNC server) for smart phones and tablets
Sensors	Temperature, pH, pO <sub>2</sub> , foam / liquid level
Temperature control	Built-in thermostat (heater ~ 500 W, chamber, recirculation pump, cooling water valve). Temperature control range from 5 °C to 55 °C above the chiller temperature. Measurement accuracy ± 0,1 °C; accuracy of temperature within the prescribed limits ± 0,2 °C

pO <sub>2</sub> control	Polarographicsterilizable pO <sub>2</sub> sensor (Hamilton or equivalent, Optionally pO <sub>2</sub> optical sensor). Automatic pO <sub>2</sub> cascade control. Limits of pO <sub>2</sub> measurements: 0 – 150 % ( ± 1%) of saturation
pH control	Sterilizable sensor (Hamilton or equivalent). Automatic control by acid and base peristaltic pumps. Optionally via CO <sub>2</sub> or ammonia supply. pH control range 2 – 14 (± 0,02)
Foam, liquid level control	Sensors based on measuring the electrical conductivity. Level control via peristaltic pump
Peristaltic pumps for introducing technological additives	4 freely configurable built-in pump with digital control (ON / OFF), and an analog supply pump with a constant flow rate of the solution
Peristaltic pumps for introducing the substrate additives based on a given program	An optional pump may be used with a variable feeding speed, controlled by the analogue signal from the control unit
Power supply	220 V, built-in or external UPS for uninterrupted power supply
Supervisory control and data acquisition ( <b>SCADA</b> )software for the collection, processing, visualization and documentation of the processed data	According the requirements of 21 CFR Part 11 (code of federal regulation from US Food and Drugs Administration)
Certification	ISO, CE and WHO-GMP
Warranty	One year warranty.

## **SUBMISSION OF EOI**

Total Documents Content in Two Envelopes:

**Envelope 1 Contain:** Notice Inviting EOI, Instruction for bidders, Terms & Condition, Obligation of Employer, Declaration of Tenderer, Credential – 5-10 lakh value in a single work order of same type of Govt. Biomedical Laboratory of National repute. Copy of License to be produced for contractor and works men. Electrical Supervisor License, ESI & EPF Registration Certificate, GST Registration Certificate & CST, Bank Draft / Bankers Cheque No. with Date to be mentioned including the name of the Nationalized Bank, Last 3 years Income Tax & Service Tax Clearance Certificate, Professional Tax certificate, current bank solvency certificate, Last 3 years Annual Turn Over should not be less than 50 lakh Per Year. Agency must have vast knowledge and expertise in setting up of GLP/R & D Lab facility in India having their own engineering consultant/architect with similar laboratory setup experience with work order & completion certificate.

**Envelope 2 Contain:** Financial Bid Documents.

**Envelope 3 Contain:** EMD Amount in the form of Bank Draft on Nationalized Bank. Please note that **\*EMD** should be submitted in separate sealed envelopes in favor of the Director, NICED, Kolkata. **EMD** may also be accepted as bank guarantee as outlined in GFR rule 170 (i).

**Envelope 4 Contain:** Containing envelope 1, 2 & 3\* with superscripted with the Details address including the name of the work, tender no., address to the Director, ICMR-National Institute of Cholera & Enteric Diseases, P-33, C.I.T. Road, Scheme -XM, Beliaghata, Kolkata 700010.

- o **Tender Fee and EMD should be submitted in separate sealed envelope in favor of the Director, NICED, Kolkata.**

## **GENERAL TERMS & CONDITIONS**

1. Soft copy in the form of CD for Technical & Price Bid separately (may be supplied) along with the hard copy.
2. The tender documents should be typed. Any cutting / overwriting may be signed by the tenderer otherwise the rates in r/o that particular item may not be considered.
3. Each and every page of the tender must be numbered and signed by the tenderer along with the seal of the firm.
4. Covering letter should clearly indicate the list of enclosures.
5. **Security Deposit :**
  - A) The tenderer should submit **Bank Guarantee** from a **Nationalized Bank** of 10% of the cost of the equipment at the time of delivery of the Instrument.
  - B) Security deposit/EMD is liable to the forfeited if the tenderer fails to supply the store and fails to provide comprehensive warranty for equipment's, security deposit/EMD are liable to be forfeited if the tenderer with draws or awards or impairs or derogates the bid in any respect.
6. EMD shall be released to un-successful bidder after completion of tender process, subject to compliance to all other terms & conditions of tender.
7. I) The bidder should clearly indicate the guarantee / warranty status of each item i.e. main equipment, standard accessories, optional etc. (consumables / non- consumable items etc.)  
  
II) **Current rate list of all replacements must be submitted in the price bid**
8. **THE RATES QUOTED WILL BE TAKEN AS FIRM AND FINAL.**
9. The tenderer are bound to supply the store during the validity of tender at the approved rate.
10. The firms may be asked to deliver the goods in instalment / fixed interval against the order of the full year. In case firm fails to deliver the particular instalments at its scheduled time, this office reserves the right to procure the item in the open market and the excess expenditure incurred will have to borne by the company.

### **GENERAL TERMS AND CONDITIONS OF THE SUPPLY ORDERS**

1. The delivery of the goods has to be made to the concerned store as mentioned in supply order, strictly in accordance with the supply order & with the approved specification.
2. The supplies have to be made within 30 days from the date of despatch of the supply order failing which penalty will be imposed as per rule or cancellation of order and the Earnest money will be forfeited. However in exceptional circumstances and on written request the extension of the date of supply may be considered by the discretion of Director. For imported Instruments / items

the delivery period shall be up to 90 days. In case the items are urgently required the firms will have to supply the items on urgent basis.

3. **Penalty clause:**

- A) FOR DELAYED SUPPLY: A penalty of 2% of the value of order per week will be imposed subject to maximum, of 10% of the value of order.
  - B) FOR NON SUPPLY: EMD of the firm will be forfeited and necessary action will be initiated.
4. Supplier must ensure that challan is submitted in the concerned store along with the supplies. The number and date of delivery challan must be indicated in the bill.
  5. Triplicate bills duly pre receipted on appropriate revenue stamp affixed to be submitted in the name of the Director in respective store.
  6. The bill should be in printed form having printed bill number, GST/PAN Number as well as D.L. No (whichever applicable)
  7. All rejected stores shall be at the risk of the supplier and must be removed immediately.
  8. Guarantee / Warranty Certificate must be provided at the time of supply.
  9. In case it is a computer – generated bill it must have the seal of the firm affixed on it.

**Payment**

Payment will be made only after the receipt of the items in good condition as per specification against the order. In case of equipment, payment will be made after satisfactory inspection, demonstration and functioning, **no advance payment will be made.**

**EXCLUSIVE RIGHT OF THE DIRECTOR**

The Director, ICMR-NICED, Kolkata has the full and exclusive right to accept or reject any or all the tenders without assigning any reasons whatsoever. No enquires, verbal or written shall be entertained in respect of acceptance / rejection of the tender.

Store-in-Charge  
for Director