

National Institute of Cholera & Enteric Diseases

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

Kolkata – 700 010

Dated – 18.11.2015

Sealed Tender /Quotation is invited for the following Instruments for use in VRDL Lab, Kolkata.

Sealed Tender, complete in all respects, signed with stamp of firm on each page including the tender should be dropped in the tender box placed in before the Despatch section on 1st 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 of their authorised representatives. Last date of submission of quotation is on 18.12.2015 at 1.30 p.m.

Important Instruction

Important Instructions :

- i)** If any Instrument is proprietary nature, Proprietary Article Certificate should be provided.
- ii)** EMD in the form of Demand Draft /Pay order, in favour of Director, NICED, Kolkata from any Nationalized bank. EMD in any other form will not accepted.
- iii)** The cost of Tender fees of Rs 500/- (Rupees Five hundred only) for each in the form of Demand Draft /Pay Order in favour of Director, NICED Kolkata from any Nationalised Bank .
- iv)** The validity of tender will be of one year from the date of approval of the Tenders.
- v)** The tenders must attach self attested photocopies of latest and valid VAT/TIN registration certificate and proof of filling Income Tax returns, for assessment year 2012-2013. 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 VAT & Income Tax clearance certificate.
- vi)** Self attested PAN card should be submitted.
- vii)** Compliances certificate to tender specification is mandatory.
- viii)** User list and performance certificate is to be attached.
- ix)** Tender document duly signed with rubber seal of the firms in token of acceptance by the tenderer of all terms & conditions.
- x)** Declaration in case of manufacturer or Authorization letter in case of distributorship /stockist should be submitted. Tender found defective in any of above codal formalities shall be rejected directly.
- xi)** Commitment of efficient after sales service from the bidder and that should be locally available for prompt action.
- xii)** Indian Agents who submit valid registration with DGS&D Price can quote directly on behalf of their foreign principal.

National Institute of Cholera & Enteric Diseases (ICMR)

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

Kolkata – 700010

Date : 18.11.2015

Cost of Tender Fees Rs. 500.00

for each item and non-refundable

Tender Information

Sealed Tenders is invited for supply of the following Instruments for use in VRDL Lab, Kolkata

Sl. No.	Tender Code No.	Name of the Instruments	Qty.	EMD (Rs.)	Last date of submission of bid (upto 1.30 P.M)	Date of opening (3.00 P.M)
1	D-10/OGL(VRDL)-1/2015-16	Refrigerated High speed Table Top Centrifuge	1 No.	6,000.00	18.12.2015	18.12.2015
2	D-10/OGL(VRDL)-2/2015-16	Inverted Fluorescence Microscope	1 No.	10,000.00	18.12.2015	18.12.2015
3	D-10/OGL(VRDL)-3/2015-16	Adjustable Volume Single Channel Pipettes	4 sets	4,000.00	18.12.2015	18.12.2015
4	D-10/OGL(VRDL)-4/2015-16	Liquid Nitrogen Can a) 55-60L b) 20-25L	1 No. 1 No.	1,500.00 1,000.00	18.12.2015	18.12.2015
5	D-10/OGL(VRDL)-5/2015-16	pH Meter	1 No.	1,000.00	18.12.2015	18.12.2015
6	D-10/OGL(VRDL)-6/2015-16	Ultrapure Water Purification System	1 No.	13,000.00	18.12.2015	18.12.2015

For details specification please visit our website www.niced.org.in

Quotation will be open at B. C. Roy Auditorium in NICED-I Building at 3.00 P.M.

1. Refrigerated high speed Table Top centrifuge

Specifications:

General: Tender is invited from reputed original manufacture or their authorized agents/dealers only. Information regarding installation in India and satisfactory service and maintenance should be forwarded with all the details for verification.

Technical Specifications:

1. Compact Table Top model with Microprocessor control
2. Size: Approx dimension 25L X 25WX 20H with less than 95kg weight
3. Refrigeration: CFC free
4. Temperature range: 0°C to Ambient temp with ± 0.5 accuracy ; Should have provision for fast precooling
5. Max RCF /Max Speed: 25000 \pm 1000 RCF / 15000 \pm 1000 rpm
6. Display/Alarm: Digital (temperature, time and RPM/RCF). Capable of changing speed or time during operation too. Audible Alarm at end of each run.
7. Motor Type : Brushless, Direct
8. Programs : Option of saving pre set programs (>25) and with program recall facility
9. Noise Level: Low
10. Timer : upto 99h
11. Rotors: Carbon light weight Rotors with option of secure locking for safety and easy exchange of rotors by push button, and Biocontainment lids for handling infectious material. Should include
 - i. Fixed angle rotor with suitable adaptors: For 50 ml X 8 tubes and 15 ml X 8 tubes. with maximum RCF of 25000 \pm 1000
 - ii. Swing out Rotor with suitable adapters : Minimum capacity : 5-10 ml X 12 tubes, 15ml X 12 tubes , 50ml X 8 tubes and 250 ml X 4tubes, micro plates X 4 . Required RCF : >2000 - <7000
12. Power Supply : 210-240V/50-60 Hz or Suitable power supply
13. Voltage Stabilizer: Should come with a Suitable voltage stabilizer for operation of centrifuge during installation.
14. Warranty: 2 year full warranty and 3 year AMC to be included.

2. Inverted Fluorescence Microscope

General: Tender is invited from reputed original manufacture or their authorized agents/dealers only. Information regarding installation in India and satisfactory service and maintenance may be forwarded with all

the details for verification. Inverted Fluorescence Microscope suitable for observation under bright field, Phase Contrast & epifluorescent attachment preferably for both glass and plastic containers.

Technical specifications:

Objectives: Objectives 10x, 20x, 40x & 60-63X where 40X and 60X to be long distance lens type. Objectives should be suitable for all purpose requirement.

Eyepiece tube: Trinocular tube with camera attachment.

Eyepiece lens: 10X with field of view 22~23 mm

Nosepiece: Quintuple (5) nosepiece or higher

Stage: Moveable stage; Hard anodized surface with standard size with objective guide and universal mounting frame.

Light source LED type only; preferable with reflectorturret

Filters: with two or more position filter slider; Filters for UV (DAPI, Hoechst, Alexa Fluor) Blue (GFP, FITC, Cy2), Green (RFP, Rhodamine, TRITC, Cy3, PI) to be included. Filters to be interchangeable by just pull and push without use of any tool.

Focusing: Facility for coarse and fine focusing

Photographic attachments: High resolution CCD color microscopy camera (5 megapixel or more) with licensed software to support) interactive measurement of morphologic parameters with u bar and text annotation, ii) photography and microscopic image analysis. Suitable PC along with UPS compatible to support simultaneous usage of PC and the microscope to be supplied. Operating voltage 220 Volts.

Warranty: 3 years warranty and 2 year AMC to be included.

3. Specification for Adjustable volume Single Channel Pipettes [Range (0.2-2 μ l); (2-20 μ l); (20-200 μ l); (100-1000 μ l)]

Specification

General: Tender is invited from reputed original manufacture or their authorized agents/dealers only. Information regarding installation in India and satisfactory service and maintenance may be forwarded with all the details for verification.

Technical specifications: Must be of a reputed brand, from manufacturer/authorized dealers having calibration facility in West Bengal. Necessary evidence to be provided.

1. ISO8655 certified multichannel pipettes of variable volume compatible with universal tips.
2. Totally adjustable, air-displacement pipette.
3. Usable for dispensing of aqueous fluids of moderate viscosity.
4. The parts of pipette likely to be exposed to chemicals should have provisions for autoclaving.
5. Long self life and high resistance to aggressive chemicals.
6. Permissible volume errors should be minimum.

<u>Range</u>	<u>Increment</u>	<u>Accuracy</u>	<u>Precision</u>
0.2 to 2 μ L	0.01 μ L	\pm 12.0 to 2.5%	10.0 to 2.0%
2 to 20 μ L	0.1 μ L	\pm 3.0 to 1.0%	2.5 to 0.4%
20 to 200 μ L	1.0 μ L	\pm 1.8 to 0.6%	0.7 to 0.2%
100 to 1000 μ L	5 μ L	\pm 1.0 to 0.6%	0.6 to 0.2%

4. Specification for Liquid Nitrogen Can:

(a) 55-60L capacity

General: Tender is invited from reputed original manufacture or their authorized agents/dealers only. Information regarding installation in India and satisfactory service and maintenance may be forwarded with all the details for verification.

Technical:

Certification:	ISI/CE or equivalent certification
Design:	Compact light weight, double walled vacuum insulated aluminium vessel, polyurethane coated.
Capacity:	Approximately 55-60 liters
Temperature:	Sample should store at -180°C even 2-3" of liquid nitrogen remains in the vessel.
Neck Diameter	Neck diameter should be minimum that minimizes liquid nitrogen losses during sample handling.
Alarm:	Liquid nitrogen level and inner temperature LED display with Low nitrogen level alarm
Locking arrangements:	Secure locking system to prevent unauthorized entry
Static evaporation rate:	Minimal liquid nitrogen evaporation and conduction 0.3-1 litre/day
Static Holding Time:	50-120 days
Racks & Boxes for Storage:	Suitable stainless-steel racks (4 No.) with boxes (16 No.) for storage of 1.8-2ml cryovials (100 vials/ box) should be supplied with the System
Additional:	Easy to transport (tilting Trolley/ Caster)

Specification for Liquid Nitrogen StorageCan:

(b) 20-25L capacity

General: Tender is invited from reputed original manufacture or their authorized agents/dealers only. Information regarding installation in India and satisfactory service and maintenance may be forwarded with all the details for verification.

Technical:

Certification:	ISI/CE or equivalent certification
Design:	Compact light weight, double walled aluminium vessel, polyurethane coated, provided with vacuum insulation and a narrow mouth neck that minimizes liquid nitrogen losses
Capacity:	Approximately 20-25 liter, designed for storing and dispensing small amounts of liquid nitrogen with manual filling option
Liquid withdrawal accessory:	Self-pressurized withdrawal accessory devices to easily dispense liquid nitrogen
Static evaporation rate:	0.15-0.3litre/day
Static Holding Time:	100-120 days
Additional:	Easy to transport (tilting Trolley/ Caster)

5. Specification for pH Meter

General: Tender is invited from reputed original manufacture or their authorized agents/dealers only. Information regarding installation in India and satisfactory service and maintenance may be forwarded with all the details for verification.

Technical

- Type: Compact table top
- Probe type: Glass pH Electrode
- Measuring pH range: 0-14 pH
- Resolution : 0.01 pH
- Accuracy $\pm 0.1\% \pm 2$ digit
- Display : Digital LED / LCD Display
- Power Supply : 100-240 V / 50-60 Hz / 9V DC
- Calibration point: At least 2
- Calibration check facility & Calibration Error indication for 4.00 and 7.00 pH
- Probe must be protected with cover
- RS232 interface required
- Facility for data storage
- Standard Buffer Tablets, Electrode Stand with Clamp,
- Dust Cover, Power Cord, Operational & Instruction Manual
- Manufacturer Test Certificate & Warranty Card
- Equipment should be provided with spare electrodes
- Warranty: 2 year full warranty and 3 year AMC to be included.

6. Ultrapure water purification system

Specifications:

General: Tender is invited from reputed original manufacture or their authorized agents/dealers only. Information regarding installation in India and satisfactory service and maintenance should be forwarded with all the details for verification.

Technical Specifications:

The system should follow the following purification & Storage steps

1. Indigenous Pre Filter: A heavy duty RO Base Prefilter (Output $\geq 30L$) capable of reduction of TSS, TDS, Inorganic ions, Organic matter etc. from Tap water should be supplied with the main instrument.
2. RO purification:
 - Bench top RO system should be capable of rejection of up to 99.9% organic and inorganic matter (>150 Daltons).
 - It must have in-built 'Two stage' pre-filtration mechanism before RO module to enhance life and performance of RO membrane.
 - RO water should meet the ASTM type-3 water quality. RO water production capacity ≥ 10 Ltr. /hr.
3. RO water storage Tank :
 - 30 litres storage tank with float switch for direct feed of water and Electronic measurement of water level in the tank.
 - RO water should be stored in a pressurized and hermetic tank to protect RO water against secondary contamination from air.
 - The Storage tank could be kept in any position and in any direction near the main systems.
 - The tank should be free from any consumable/spare which is needed to be replaced periodically and is capable of delivering water to Type-1 without use of any delivery pump.
4. Ultra Pure Water:
 - Bench top Ultrapure water system capable of delivering ASTM Type-1 ultrapure water with flow rate > 1 Ltr./min.
 - It must have in-built mixed bed Deionization Resin cartridges, 185/254 nm UV photo-oxidation module and UF cartridge
 - Product water Quality –
Resistivity: 18.2 M Ω ·cm

TOC: Reduce by 5 log cycle.

Bacterial count: < 1 cfu/ml

Particulates ($> 0.2 \mu\text{m/ml}$) : < 1 part/ml

Endotoxines: < 0.001 EU/ml
 - Microprocessor controlled alphanumeric LCD display
5. Alarm signals at low pressure and quality below set point.
6. Auto diagnostic feature with alarm
7. No softener.

8. Low Maintenance cost.
9. Power Supply : 210-240V/50-60 Hz or Suitable power supply
10. **Warranty:**2 year full warranty and 3 year AMC to be included.

Tender Evaluation

Tender evaluation will be done in two stages

1. Technical bid &
2. Price bid

Each bid should be submitted in separate sealed envelopes super scribed as “Technical Bid” & “Price bid”. All these 2 envelopes should be put in one another envelop marked as original bid & Sealed with Sealing wax.

Technical Bid

The firm should submit the technical bid in a sealed cover separately super scribing the word “Technical Bid” mentioning tender number, Name of the item, Date of opening & Name of the Tenderer.

Technical bid should be contain

1. Only the name of items with specification makes / brands of the items.
2. Literature & Catalogues in support of items quoted must be enclosed.
3. Current authorization letter. All bidder must get a valid letter of authorization from the principal supplier or manufacturer.
4. Attested photocopy of latest valid License for stockist & distributorship as applicable should be provided.

Price Bid

1. Should be submitted in a separate sealed envelope Super scribing the word “Price bid” mentioning tender number, name of the tender, due date of opening & the name of the tender.
2. The rates quoted should be inclusive of Excise Duty, Sales Tax and other incidental charges. The rates of Vat /Sales tax (State & Central chargeable may however, be given separately . No vat / sales tax or other charges will be payable if not mentioned in the tender or not applicable under the relevant laws. For imported items the quoted rate should be on FOB basis. Freight Charges and Insurance may be mentioned separately.
3. Bidder will quote firm & competitive rates. No condition like discount in price free goods / incentives will not be accepted towards finalization of the tenders. Rates should be accordingly to a Unit.
4. While quoting rates, serial no of the tender must be indicate and rates should be quoted competitive.
5. Commitment of efficient after sales service from the bidder and that to be locally available for prompt action.

Terms and 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 equipments, 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. **Guarantee/Warranty** – 2 years warranty and 3 years AMC is to be included with the price.
9. **THE RATES QUOTED WILL BE TAKEN AS FIRM AND FINAL.**
10. The tenderer are bound to supply the store during the validity of tender at the approved rate.
11. 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 equipments / 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 pr 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, VAT/CST/TIN 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 DIRECTOR

Director, 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 .

Sd/- **S. Karmakar**
Administrative Officer
NICED, Kolkata