Dear Sirs,

1) Quotations/Sealed tenders are invited from the registered firms/their authorized dealer etc. for supply of the following goods mentioned below or goods as per list attached to the National Dairy Research Institute, Kalyani (W.B.) so as to reach by 3.00 P.M. on 20-3-2015 at the latest in the Office of Asstt. Admn. Officer, ERS of NDRI, Kalyani, Nadia. The Quotation received after due date and time will not be considered and no correspondence in this regard will be entertained.

2) The Quotation complete in all respect be sent to “The Asstt. Admn. Officer, ERS of NDRI, Kalyani, Nadia Pin-741235 (W.B.)”, in sealed envelope. The firm should clearly mentioned on the top of the sealed envelop. Quotation/Tender for supplying of BIOSAFETY CABINET, SONICATOR, HOT AIR OVEN, GEL DOCUMENTATION SYSTEM, DEEP FREEZE, NANO-DROP SPECTROPHOTOMETER, CYTOSPIN CENTRIFUGE MACHINE WITH ALL ACCESSORIES AND INSTALLATION (SEALED SEPARATE COVER IN EACH & EVERY ITEMS SHOULD BE SUBMITTED)

3) The tenders/quotations will be opened on 17-03-2015 at 11.00 A.M. in the Office of Asstt. Admn. Officer (DDO) in the presence of such of the tenders/or their authorized agents, who arrange to be present at the spot at the time of opening the tenders/quotations.

4) The Head, ERS of NDRI, Kalyani reserves the right to accept or reject all or any of the quotations in part or full.

5) 2% EMD may be submitted by Bank Draft. The Draft may please be drawn in favour of ERS of NDRI, Kalyani, payable at SBI, Kalyani or any Nationalised Bank at Kalyani. Those firms who does not Qualify their EMD money will be returned within short period.

6) Rate with equipment details should be submitted in SEPERATE sealed packets IN EACH AND EVERY ITEMS.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Particulars</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>BIO-SAFETY CABINET, NANO-DROP SPECTROPHOTOMETER, DEEP FREEZE, SONICATOR, CYTOSPIN CENTRIFUGE MACHINE, GEL-DOCUMENTATION SYSTEM HOT AIR OVEN WITH ALL ACCESSORIES AND INSTALLATION.</td>
<td>01 IN EACH</td>
</tr>
</tbody>
</table>

( Specifications enclosed in separate pages)

Where ISI/ISO certification mark goods are available in market, procurement should Generally be limited to goods with those or equivalent marking only.
7) The delivery of goods shall be FOR-ERS-NDRI-Kalyani. In case ready stocks are not available stocks in hand may please be stated, the best delivery period for the balance quantity may please be given. The firm should clearly mention the delivery period, which normally should not be more than 30 days.

8) Quotation should be inclusive/exclusive of all packing and other forwarding expense freight insurance charges. The quotations which are exclusive of packing and freight charges etc. should indicate the amount that shall be charged on this account for all or part of the items. The firms should give the rates of items per unit also. The prices quoted shall remain firm & fixed during their currency of the contract. Their rates and prices quoted shall be in Indian rupees only.

9) The quantity of the items/goods may be increased/decreased by up to 25%.

10) Complete descriptions, specifications and make of the goods quoted should be given. Printliterature/pamphlets should be sent with the quotations, failing which the same may not be considered.

11) The payment of goods is to be made on completion of satisfactory supply actual receipts, inspection and approval. The supplier will have to send supply challans and Delivery Notes along with the supply and bill in triplicate indicating clearly the purchase Order No. date and other details of supply, while quoting the rate(s) of items the following information invariably be made available.
   i) Quotation shall remain valid for acceptance or a period of not less than 60 days after the specified date of opening of the offer.
   ii) Offer should be from ex-stock, including minimum delivery period.
   iii) The firm on whom the supply order is placed within the period of acceptance of the offer will be required to execute the supply within a specified period from the date of issue of the supply order. If the supplier fails to deliver any or all of goods. The purchase shall without prejudice to its other remedies under the contract deduct from the contract price as liquidated damages a sum equivalent to 0.5% of the delivery price of the delayed goods for each week of delay up to a maximum deduction of 2% of service contract price. Once the maximum is reached the purchase will consider termination of the contract automatically. If the same have not been terminated already.
   iv) with regards to sales tax. Please quote specific rate of sales tax and surcharge on sales tax etc. with a certificate that the ST/VAT charged have not been exempted under the S. Tax Act/ Rules and the amount charged on this account are correct.

12) If the firm does not mention percentage of CST/Vat/Service charges /Other Charges etc. It would be assumed that the rates include all these and subsequently no request for charging them as extra will be entertained in this regard.

13) The firm should invariably mention the registration No.CST/ST No. etc. Failing which quotation may be considered.

14) All the disputes/litigation. If any will be subjected to Karnal jurisdiction only.

15) The minimum period of warranty/Guarantee shall be minimum 12 months from the dates of installation/commissioning.

IMPORTANT NOTE: Please provide the following information in your quotation. Otherwise your quotation will liable to be rejected. 1. F.O.R. Conditions 2. Taxes 3. Payment/Delivery conditions 4. Validity. 5. Warranty, If any.

Yours faithfully.

Asstt. Admn. Officer
SPECIFICATIONS FOR BIO-SAFTETY CABINET

- Main body should be made of stainless steel
- Table top and working zone should be made of stainless steel
- Table top should be in two parts:
  - Front perforated portion 4” in size
  - Non perforated working zone: Table sunken type (trough type) for spillage management that can be lifted easily for cleaning below the table.
- Work Area should be 3 – 4 feet in size
- Air Flow should be vertical down flow with 100% exhaust.
- Vibration level: Less than 2.3 µm.
- UV lamp should be in working zone
- Side walls should be made of stainless steel
- Should have Switches & Electrical sockets outlets
- Installation, validation/ performance demonstration should be carried out at site
- Suitable power supply/ UPS should be provided to continue, if the electricity goes off during the work.

- **Warranty:** One year warranty from the date of installation.

SPECIFICATIONS FOR CYTOSPIN CENTRIFUGE WITH ACCESSORIES

Type: Table top/bench top Cyto-centrifuge with changeable roter.
Max RPM: 200-4000 rpm with a display
Speed setting (RPM & RCF): Entry in increments of 10
Time setting: Minutes and seconds, time should be displayed
Refrigeration: 4°C – Room temp.
Control system: Microprocessor based control (speed, time, acceleration & deceleration etc.)

Power lid locking facilities, lid drop protection, emergency lid lock release, easily exchangeable rotors, motor overheating protection.

**Standard accessories to be provided with equipments**

- Sealed head – 1 No.
- Head seals of silicon Rubber (3/pack)-3 No.
- TPX single sample chamber for use with disposable white/brown filter cards(re-useable/Autoclavable)-10 No.
- Filter card white-200/1bx- 10 No.
- Cyto clip, Stainless Steel slide clip-2 pack (pack of 6 each)-2 No.
- Cytoslides single circle coated 100/box-5 No.

**Warranty:** One year warranty from the date of installation
SPECIFICATIONS FOR DEEP FREEZER (-20°C)

- Ultra low temperature freezer. (-20°C)
- Vertical type
- 150-200 lts capacity
- Microprocessor based temperature control
- Three to Four inner compartments with perforated trays and individual doors.
- Stainless Steel interiors
- Outer made of GI sheet with bacteria resistant coating
- Anti condensation to prevent moisture on the door, walls.

- Compatible voltage stabilizer (5) KVA of standard brand/ISI mark
- Local service facility & availability of spares parts from the manufacturer

- **Warranty:** One year warranty from the date of installation

SPECIFICATIONS FOR GEL DOCUMENTATION SYSTEM WITH ACCESSORIES

- High resolution, at least 12-16 bit, CCD Camera.
- Camera Sensitivity: > 3mp.
- USB ports for fast data transfer.
- Linear dynamic range: 3.5 or above OD.
- Zoom capacity: 5-6 times.
- UV blocking shield for protected sample viewing during UV excitation to allow for visualization of gel and confirmation of bands during UV excitation.
- Dual Wavelength, UV: 302nm & 365 nm.
- Dual intensity - hi/low.
- Motorized exposure control.
- Epi white light and UV illumination.
- Suitable acquisition and analysis Software.

COMPUTER, PRINTER, UPS

- Processor: Intel core i5 or i7
- Memory: 4 GB DDR RAM;
- Storage capacity: 500 GB HDD;
- Operating system: Windows 7 or 8;
- OS version: Professional SPI 32 or 64 bit;
- Keyboard and mouse;
- USB 2.0: 6 numbers;
- Optical Disk Drive,
- Display size: 21 inches,
- High resolution Photo quality Inkjet Printer
- Compatible UPS

**Warranty:** One year warranty from the date of installation
SPECIFICATIONS FOR NANO-DROP SPECTROPHOTOMETER

- Micro-volume sample size: 0.5 – 1.0 µl
- Measurement of nucleic acids and proteins.
- Fast and easy handling
- Computer with latest configuration for data monitoring, storing and printing.

**Warranty:** One year warranty from the date of installation
Specification for Hot Air Oven [ EFC no. 10 ]

- Forced convection type oven: Ideal for drying, sterilizing (mechanical forced flow convection)
- Capacity: 150 liters
- Digital PID control: Membrane type touch keypad provides precision temperature control, time, alarm, auto tuning
- Door: Tempered safety glass window with silicon packing for easy sample view without door opening
- Temperature
  - Range: Ambient + 5 °C to 250 °C
  - Accuracy: ± 1 °C
  - Uniformity: ± 1 °C at 120 °C
  - Display: LED 4 digits display
  - Controller: PID multifunctional controller
- Heater: 1.5 kW
- Timer: Auto start & stop / continuous selectable
- Shelves: Perforated adjustable stainless steel (03 no.)
- Insulation: Ceramic and glass wool board
- Safety: Over heat protector, over current and leakage breaker, silent fan motor, fan motor automatically stops when door is opened
- Material
  - Inner: Stainless Steel
  - Outer: Powder coated steel

Warranty: One year
Specification for Sonicator (EFC Item no. 8)

- Digital ultrasonic processor with colored touch screen, around 200 watts, minimum 25kHz or higher
- Workable hand held and stand-mounted use
- Automatic frequency tuning, amplitude adjustable from 20 to 100%,
- Pulse adjustable from 10 to 100%, titanium horn Ø 10mm.
- Amplitude (at horn) 70μm,
- IP41 grade, dry running protected,
- Integrated count-down timer (0.1 sec to 99 days),
- Shutdown when final energy input reached: Ws, Wh, kWh;
- Sonotrode (01 no.): made of titanium, Ø2mm (3mm²), approx. length 120mm, for sonicating samples from 2ml up to 50ml, autoclavable.
- Acrylic sound protection box along with stand for fitting the sonicator

Automatic calibration when needed: determination of amplitude-dependent idle power to display the effective energy input, data recording: amplitude, power, time, temperature on internal SD/USB Combo Card (2GB), display and remote control via browser on PC or MAC without software installation, remote control via PLC,

With temperature sensor, temperature indication: °C, °F (-50°C bis 200°C), temperature monitoring: variable switch-off/on points (-50°C – 200°C), power supply: 24V DC, 9A, power supply unit: 100-240V AC, anti-bacterial plastic housing,

* warranty: one year.