

NDDB DAIRY SERVICES

Request for Proposal for Invitation of Price Bid

Bid Ref No: ALSS/RGM/PUR/LCB/DEC/2024-25

10th DEC 2024

Dear Sir,

Subject: INVITATION OF PRICE BID FOR LABORATORY EQUIPMENT

NDDB Dairy Services manages the four Semen Stations, one of which, the Alamadhi Semen Station (A Unit of NDDB Dairy Services, New Delhi), Upparapalayam Road, Edapalayam (PO), Chennai-600052 invites price bid for Microscope Phase contrast with biotherm and CC TV Camera for semen despatch /distribution section as per following specifications and terms and conditions:

1. You are invited to submit your most competitive quotation for the following items:-

Sl No.	Item	Quantity (Nos)	Delivery period	Delivery Address
1	Microscope Phase contrast with biotherm for semen despatch /distribution section	1	15 days	NDDB DS - Alamadhi Semen Station,
2	Electronic Weighing balance	1		
3	Autoclave (Vertical) for dispensary and Lab	1		
4	pH Meter	1		
5	Magnetic stirrer	2		
6	Fogging Machine for cold sterilization of Lab	2		

2. BID PRICE

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
 - b) The price bid shall be submitted in the format enclosed at Annexure-1.
 - c) The rates quoted by the bidder shall be fixed and shall not be subject to adjustment on any account.
 - d) The prices shall be quoted in Indian Rupees only.
 - e) The purchase order will be issued to the lowest responsive bidder.
3. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation.

4. **Validity of Quotation**
Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.
5. **Specifications:** As per Annexure II.
6. **Evaluation of Quotation**
The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
 - (a) are properly signed ; and
 - (b) Conform to the terms and conditions, and specifications.

GST, Packing, Forwarding, Freight & Insurance charges in connection with sale of goods shall be taken into account in evaluation.
7. **Award of contract**
The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
 - 7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
 - 7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order.
8. **TERMS OF PAYMENT:** Within 30 days from the date of receipt of Invoice.
9. You are requested to send your offer in a sealed bid envelope inscribing “**INVITATION OF PRICE BID FOR LABORATORY EQUIPMENT**” to Purchase, Alamadhi Semen Station (A Unit of NDDB Dairy Services, New Delhi), Upparapalayam Road, Edapalayam (PO), Ponneri (TK), Thiruvallur District, Chennai-600052 **on or before 27th DEC 2024 by 3:00 pm** through registered post of courier.
10. We look forward to receiving your quotations and thank you for your interest in this project.

Thanking you!

Yours faithfully

For Alamadhi Semen Station,



Asst.-Purchase

FORMAT OF PRICE BID

Bid Ref No.:

Date: [insert: **date of bid**]

[Insert: **name of Contract**]

To

Alamadhi Semen Station (A Unit of NDDB Dairy Services, New Delhi),

Upparapalayam Road, Edapalayam (PO),

Chennai-600052.

Dear Sir,

With reference to your invitation of the price bid, the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the Goods and associated services in full conformity with the invitation for price bid, as per attachment (hereinafter called "the Total Bid Price"). The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.

We undertake, if our bid is accepted, to deliver the Goods and associated services in full conformity in accordance with the delivery schedule and consignees indicated in your invitation for the price bid.

We undertake that, in competing for (and, if the award is made to us, in executing) the above Agreement, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

We understand that you are not bound to accept the lowest or any bid you may receive.

We confirm that there is no change in our eligibility and no adverse change in qualification information submitted during the first stage bidding.

Dated this [insert: **number**] day of [insert: **month**], [insert: **year**].

Signed: _____

Date: _____

In the capacity of [insert: **title or position**] duly authorized to sign this bid for and on behalf of [M/S **Name of the Organization**]

PRICE SCHEDULE (Bid Ref No. ALSS/RGM/PUR/LCB/DEC/2024-25)

Sl No	Item	Qty	Unit prices	GST	Total Amount (incl Gst)	Remarks
1	Microscope Phase contrast with biotherm for semen despatch /distribution section	1				
2	Electronic Weighing balance	1				
3	Autoclave (Vertical) for dispensary and Lab	1				
4	pH Meter	1				
5	Magnetic stirrer	2				
6	Fogging Machine for cold sterilization of Lab	2				

Signature of Bidder:

Name:

Business address:

Place:

Date:

Nikon Trinocular Upright Research Microscope with Warm Stage

High Luminescent White LED Eco Illumination lifetime for 60,000 hours with built in facility of uniform illumination throughout the field of view.

Microscope body built in LCD for Status Display of the objective in use and indication of state of other functions like LIM, ECO Mode, and Brightness. The LIM function keeps and recalls the optimal brightness level for every objective. Automatic shut-off with ECO mode which automatically turns off the illumination after a certain period of inactivity, saving the LED.

Coaxial Coarse/Fine focusing, focusing stroke: 30 mm, Coarse: 9.33 mm/rotation
Fine: 0.1 mm/rotation, Fine movement scale 1 μ m, Coarse motion torque adjustable, Refocusing function.

High-durability, scratch-resistant ceramic right handle stage with two slides holders. Stage height adjustable with lock for refocusing after specimen changes and provision to lower stage by 20 mm from the standard position,

Trinocular tube Eyepiece / Photo (100: 0 or 0:100) inclination 25 degree. Eye pieces 10X with 22mm FOV with Diopter adjustment on both the eye pieces. Intelligent Sextuple Nosepiece with Analyzer Slot which recognize the change of objective and adjust the spatial parameter like scale.

Condenser for Bright Field / Phase Contrast / Dark field purpose with 6 - 7 folds or better Phase Turret Condenser N.A 0.9, for 3 slots for Phase contrast, 1 slot for BF, 1 slot for Dark Field and 1 slot for Close for Fluorescence application. Centring Telescope and GIF filter.

Plan Achromat 4x NA 0.10, Plan Achromat 10x NA. 0.25 WD 10.5mm for Phase and 20X NA. 0.40, WD. 1.20 mm, for Phase. Plan Achromat 40x, NA. 0.65, WD 0.56 mm for Phase better and Plan Achromat 100X Oil NA 1.25, WD 0.20 mm.

C-mount 0.55x relay lens Y-TV55 TV tube 0.55x.

Warm Stage: Warm stage for XY Mechanical stage of Phase Contrast Microscope with Temp. setting range : Ambient - 60°C with a heating area of Atleast Heating area: Heating area : W128xD95 (mm).

Glass thickness : 0.5 (mm)

Plate dimensions : W142xD115 (mm)

Components: Heating Plate, TPi Controller, Mounting Hook, Power Code, AC Adapter,

Microscope to be upgradable with Teaching Head for ten persons and other applications in future.
Epi-fluorescence attachment (incorporates up to 6 filter cubes).

Electronic Weighing balance

Mettler Toledo - ME Series Analytical Balances Type-ME204	
Maximum Capacity	220 g
Weighing Platform Dimension	90 mm
Readability	0.1 mg
Repeatability/Standard Deviation	0.1 mg
Linearity	0.2 mg
Settling time	2 s
Sensitivity temperature drift	2.0 ppm/ degree C
Weight of the balance	4.7 kg (ME) / 4.5 kg(ME-E)
Display	LCD
Calibration	Internal
Weighing units	g, mg
Waranty	1 year
Accessories	Working manual, AC adapter

Autoclave

Vertical Autoclave for Lab and Dispensary	
Working Chamber Size (Inner Dimension)	400mm x 600mm (Dia x Height) and made up of walls are made of thick high grade stainless steel sheet of SS-304 grade. Provided with built- in safety valve, pressure gauge, pressure release valve and water level indicator
Volume	70 Liters
Display	Digital Display
Inner chamber	Stainless steel LM 304 grade
Exterior body	Stainless steel LM 304 grade
Temperature Range	121°C to 125 °C
Temperature Resolution	0.1 °C
Temperature Accuracy	± 0.5 °C
Working pressure	The pressure is adjustable from 5 psi to 20 psi with automatic pressure control switch, which controls the pressure with an accuracy of +/- 1 psi
Power	5 KW
Operates on	230V/15A/50 Hz.
Lid	Doomed lid made of stainless steel sheet / polished stainless steel. The lid is tightened with wing nut locking or radical locking system system with paddle lifting device, made of MS chrome plated
Mode of Heating	Electrically heated by special flange type/immersion type heaters bearing ISI mark, to work on 220 volts single phase 50 cycles.
Accessories	S.S Basket, pressure gauge, steam release cock, spring loaded safety valve, cord and plug, Manual, Neoprene rubber gasket, Water Level indicator, Low water level auto cut off, Pressure Switch, Digital Temperature Controller & Timer

pH Meter

"Systronics" Microcontroller Based pH meter with electrode & Temperature probe Type: 362	
pH	
Range	0 to 14 pH
Resolution	0.001 pH
Stability	0.002 pH per hour
Relative Accuracy	±0.002 pH ±1 Digit
Slope	85% to 115%
Standard Buffers	1.679, 4.004, 7.000, 9.183, 12.454 Acceptable
Buffer Deviation	±0.5 pH
Other working buffers	0 to 14 pH (value entered through numerical keys)
mV	
Range	0 to 1999.9 mV
Resolution	0.1mV
Accuracy	±0.5 mV ±1 Digit or ±0.05% of reading
Temperature	
Compensation	Auto/Manual
Range	0 to 99.9° C
Resolution	0.1° C
Accuracy	±0.5° C ±1 Digit
Display	2 line, 20-character alphanumeric LCD
Annunciation	Individual LED with keys for calibration, pH, ABS mV,
	REL mV and print.
Data Storage	80 Reading
Printer port	Epson compatible 80 column
	Dot Matrix
Power	230 V AC ±10%, 50Hz.
Dimensions	250(W) X 205(D) X 75(H) mm
Weight	1.25 kg (Approx)
Accessories	i) pH Electrode (Combined)
	ii) Temperature Probe (PT-100 Sensor)
	iii) Electrode Stand & Clamp

Magnetic Stirrer

REMI Magnetic Stirrer with Hot plate with digital speed indicator 5 MLH- 5 liter	
Stirring Quantity (Water)	5 liter
Stirring Paddle (PTFE coated)	Q-20A (13 X 50 mm)
Display	LCD
Heating Capacity	500 Watts
Voltage	220-240 V
Operating Frequency	50 Hz
Speed Range	1200 RPM

ULV Fogging machine

Timer Devices Digital Timer	(1-99 Min)
Working Hours Counter	Available (Digital)
Particle Size	Uniform Sub Microns
Liquid Flow Rate	1-3 Ltrs. / Hr. (Adjustable)
Flow Control Mechanism	Available SS 316
Nozzle System	SS 316 Grade , Air-Jet Nozzle (Advance Thrust Design)
Tank Capacity	5 Ltrs
Tank MOC	SS 316 L
Noise Level	<88 DB @ 1 Meter
Air Filter	Triple Stage With Clamp
Area Coverage	>20,000 Cubic Fts
Motor Speed	24,000 RPM (Approx)
Power Supply	230 VAC, 50/60 Hz
Material Of Construction	Hardware:- SS 304. Strainer, Nipples:- SS 316
Tubings	Silicon Grade (FDA & UPS CLASS VI Compliant)
Dry Weight	7-8Kgs