



NANDANKANAN ZOOLOGICAL PARK

(PROJECT MANAGEMENT UNIT)

NOTICE No. 46 /PMU/NKZP/2024 Date: 08/11/2024

QUOTATION CALL NOTICE

Procurement of zoo laboratory equipment's for Zoo laboratory, Nandankanan Zoological Park

Nandankanan Zoological Park, a premier zoological park located in Bhubaneswar, Odisha, invites sealed quotation from reputed, qualified, and experienced suppliers for the procurement of zoo laboratory equipment's for Zoo laboratory, Nandankanan Zoological Park, Bhubaneswar. The procurement is to be conducted as per the detailed specifications, terms, and conditions.

The quotation documents and detailed terms and conditions will be available in the website of Nandankanan Zoological Park i.e. www.nandankanan.org from 8th November, 2024 and last date of the receiving bid is 16th November, 2024.


Deputy Director
Nandankanan Zoological Park



NANDANKANAN ZOOLOGICAL PARK

(PROJECT MANAGEMENT UNIT)

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QUOTATION CALL NOTICE

Nandankanan Zoological Park, Bhubaneswar invites sealed quotation from OEM, authorized registered dealers, reputed and experienced suppliers/manufacturers for the procurement of zoo laboratory equipment's.

The details and specifications of the equipment are as follows:

1. Specifications and Requirements:

I. Biosafety Cabinet

Specifications:

- CALSS-II TYPE A2 (70% Recirculation and 30% Exhaust)
- Construction: Galvanized iron sheet with epoxy polyester thermosetting powder coating of 60-80 μ 1.5mm thickness.
- Work area in Ft : 4x2x2 Ft
- Internal work area: Stainless steel 304 with rounded joint less corners.
- Body Finished: Glossy off-white color for G.I Powder coated. Alarm for HEPA filter blockage.
- Body Finished: Glossy off-white color for G.I Powder coated. Alarm for HEPA filter blockage.
- Table Top: Made of stainless steel, approx. 1.5mm thickness, 304 grade
- Front Door: Frame less auto sliding glass door of toughened glass 6 mm thickness.
- Wheels & Leveling Lugs: Should be PU solid wheels with plated bracket and metallic powder coated leveling lugs.
- Design & classification: Class II Type complaint and approx. 30% of the Air volume exhausted as sterile air back into the environment and approximately 70% of the air is re-circulated inside the work area.
- Cleanness class: ISO Standard 14644-1
- Motor blower Assembly: variable speed motor mounted on PU coated FRP Blowers with Aluminum powder coated impellers.

- Stage of filtration:
 - ULPA final = 12p with an efficiency of 99.9995%
 - ULPA Exhaust = 0.12lt with an efficiency of 99.9995%.
 - ULPA Filter Grill: Stainless Steel 304 grill duly perforated
 - Down Flow Velocity: 80 FPM at 4" from work table.
 - In Flow Velocity: 100 FPM at work access opening.
 - Noise Level : < 60 db at 1 meter from face of the equipment.
 - Pressure Gauge: Magnehelic gauge.
 - Fluorescence Light: 36 watt 2 nos.
 - UV Light: 3 feet length & 30 Watt.
 - Work Area Dimension : 1180x 650 x 660 mm
 - External Dimension: 1355 l x 990w x 2115h mm
 - Power supply: 230 Volt, 50 Hz, single phase

Quantity – 1 unit

II. Micropipette (0.2-1000µl)

Specification-

single-channel, variable, 0.1-2.5µL / 0.5-10µL / 2-20 µL / 10-100µL /20-200 µL /100-1000 µL and Pipette Carousel

Quantity – 1 (pack of Six)

III. LN2 Container for sample storage (10L)

Specification-

Capacity: 10.5 ltrs. ,

Static Evaporation loss rate: 0.117 ltrs/day,

Static Holding time : 90 days

Total Height : 550 mm,

Overall diameter : 260 mm

Neck tube diameter : 51 mm

Empty weight : 5.5 kg.

Full weight: 14kg

Quantity - 1

IV. LN2 Container for sample storage (34L) : 1 unit

Specification:

Capacity : 34 ltrs.

Static Evaporation loss rate: 0.118 ltrs/day

Static Holding time : 288 days

Working time : 180 days

Total Height : 670 mm

Overall diameter : 432mm

Neck tube diameter : 51 mm

Empty weight : 14 kg.

Full weight : 41.5 kg

No. of Canisters : 6 pcs

Canister OD : 38 mm

Canisters Height : 120/280 mm

Straw Holding capacity (Single level) : 0.25 ml – 1560 pcs 0.5 ml. – 720 pcs

Quantity -1 unit

V. Microscope Stage top incubator

Specification

Best for observing yeast, plants, marine samples, cultured cell, *C. elegans* and/or Planarian, etc. Temp. setting range (Plate surface) : 4 - 60°C with electronic cooling element (Peltier module) and original control system, it allows responsive cooling and heating regulation.

Quantity -1 unit

VI. Sperm counting chamber

Specification

The lower part has a metal base and two handles.

The upper part is the cover glass encircled with a metal ring. At the center of its lower surface there is a 1mm² grid, subdivided into 100 squares, each one of 0.1 x 0.1 mm. The space bounded in a row of 10 squares is exactly one millionth of mL. Therefore, the number of sperm heads in 10 squares indicates their concentration in million/mL.

• Semi-Automatic microtome cryotome

Specification:

- The Cryostat should be a floor standing open top cryostat with a spacious stainless steel cooling chamber.
- Freestanding cryostat with encapsulated, splash-proof microtome.
- Should have LCD Display for Cryochamber temperature, actual time, defrost time and section thickness setting.
- It should have a well illuminated cabinet
- Cryo chamber temperature regulation should be between -10 ° C to -35 ° C
- Specimen temperature control of freeze shelf up to -40 ° C
- Easy to clean, actively cooled specimen preparation zone with quick-freezing shelf for up to 15 specimens (temperature selection down to -42°C)
- It should be weekly programmable for compressor ON/OFF

- Maintenance free microtome with section thickness setting range from 1-60 microns 1-10µm in 1µm increments, 10-20µm in 2µm increment, 20-60µm in 5 µm increment
- It should provide trimming facility from 1 to 600 microns in steps
- Specimen head motorized coarse feed movement with two speed at 300 µm/Sec & 600 µm/Sec
- It should have a provision of specimen retraction on return stroke and user set 5-100µm can be deactivated.
- Twin compressor cooling system for cryochamber and specimen head. Specimen temperature selectable from - 10° C to -50°C in 1° steps. Cryochamber temperature selectable from 0°C to 35°C, adjustable in 1o C increments at ambient temperature of 20°C.
- Specimen Retraction should be 0-200 µm in steps of 5 µm
- Total vertical specimen stroke 59 mm and total horizontal specimen feed 25mm Disposable blade holder system with lateral displacement and integrated anti roll guide
- Antistatic anti roll guide
- The system should have a closed drainage system
- It should have automatic manual chamber defrost facility with one automatic defrost cycle/24 hours; short duration defrost cycle of not more than 12 minutes.
- The system should have in-built UV disinfection
- System should be quoted with disposable blade system for both low- and high-profile blades.
- The equipment should be supplied with 10 packets of disposable blades, 10 bottle of freezing Medium and 3 set of brushes
- The product should be CE certified from European notified body and it should be USFDA registered.
- The manufacturer should be ISO 9001 and WHO GMP certified.

Quantity -1 Unit

VII. Anaerobic culture jar (3.5L)

The lid of the jar is made of Aluminium Pressure die casting fitted with the Pressure valve, Vacuum valve, Safety valve & Compound Pressure cum vacuum gauge, three finger aluminium clamp and sealing "O" ring and Air/Gas chuck.

- Supply with the following accessories. Petri Plate Carrier, Stainless steel, for 10 Petri Dishes. Test Tube Carrier, Stainless Steel.
- **Quantity: 1**

General Terms and Conditions:

1. The bidder must be a reputed manufacturer/authorized dealer with a proven track record in supplying similar equipment. Relevant certifications and proof of past supplies must be enclosed. The supplier/manufacturer shall have a valid company registration certificate or authorised dealer certificate to participate in the quotation.

2. The supplier/manufacturer shall have a valid GST registration to participate in the quotation.
3. The supplier/manufacturer shall have a valid PAN to participate in the quotation.
4. Sealed quotation must be submitted to the undersigned on or before **dt.08.11.2024** during office hours.
5. Quotations must remain valid for a minimum period of 90 days from the last date of submission.
6. The price quoted should be inclusive of all taxes and transportation charges up to Nandankanan Zoological Park, Bhubaneswar.
7. The equipment should carry a minimum warranty period of 1 years from the date of installation. (The warranty should cover all parts)
8. The equipment should be delivered within 15 days from the date of the purchase order.
9. Payment will be made within 30 days of successful delivery and installation of the equipment, subject to inspection and acceptance.
10. The equipment will be subject to inspection upon delivery. Any defects found must be rectified at the supplier's expense. A final acceptance test will be conducted before the final payment.
11. The supplier must provide comprehensive training to the park's operators and maintenance staff at no additional cost.
12. Delay in delivery will attract a penalty of 1% of the total contract value per week, subject to a maximum of 10%.
13. The last date for submission of quotation is **Dt.16.11.2024 by 12.00 P.M**
14. Opening of the bid is **Dt.16.11.2024 03.00 P.M**. Late submissions will not be considered.
15. Price should be quoted in Indian Rupees (INR).
16. Any delay in delivery may result in penalties as per the terms agreed upon in the purchase order.
17. In case of non-compliance with the specifications, delayed delivery, or failure to deliver the required quantity, penalties will be imposed as per the terms agreed upon in the purchase order.
18. The quotation should be valid for a minimum period of 90 days from the last date of submission.
19. In case of any unforeseen circumstances beyond the control of either party, such as natural disasters, strikes, or other acts of God, affecting the execution of the contract, both parties will mutually discuss and agree upon the next course of action.

20. The undersigned reserves the right to accept or reject any or all quotation without assigning any reason thereof and incomplete or conditional quotation will be summarily rejected.

Submission Address:

Deputy Director,
O/o the Deputy Director,
Nandankanan Zoological Park,
Baranga, Odisha.

For any queries or further clarification, please contact:

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Deputy Director
Nandankanan Zoological Park