



DEPARTMENT OF CHEMISTRY UTKAL UNIVERSITY

VANI VIHAR, BHUBANESWAR, 751004, ODISHA, INDIA
UGC (ASIST, DSA-II), DST (PURSE, FIST) SUPPORTED Tel: 0674-2582734

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Date:.....

Tender form no:.....

Tender Call notice

Sealed tenders are invited by the undersigned from the reputed manufacturers/authorized dealers, DGS&D rate contract holders for purchase of Vacuum oven, Analytical balance, pH meter, Hot air oven, Sonicator, Magnetic stirrer, Autoclave and Chemicals/consumables under MRIP-2025, OSHEC Govt. of Odisha sponsored project so as to reach the undersigned by **19/09/2026 (3PM)** through registered/speed post. The tender will be opened on **19/09/2026 at 3.30 PM** in the presence of tenderers or their authorized representatives. All the documents such as EMD of 1% of the estimated cost of the equipment value or minimum of INR1000/-, STCC/ITCC/TIN/GST no. certificates along with literature/brochure and market standing certificates along with satisfactory certificates should be enclosed with the technical bid only, failing which the tender will be cancelled. The details of items, specifications, and other terms and conditions can be obtained from the undersigned on payment of INR 200 (non-refundable) from 01/09/2026, between 11 AM and 5 PM, on or before **19/09/2026 (3 PM)**, or can be downloaded from the website www.utkaluniversity.ac.in. For forms downloaded from the website, submit INR 200 towards the cost of tender paper. The payment of EMD and purchase of tender paper will be through BD drawn in favour of *Prof. Sushanta Kumar Badamali, P.I., MRIP-2025 project*, payable at *Bhubaneswar*. The authority reserves the right to cancel the tender at any time without assigning any reason thereof.

Eligibility criteria:

1. Tenderers are to be submitted in the prescribed format (enclosed) in the tender paper along with EMD/Security amount (1%) of the approximate cost of the equipment value or minimum of Rs.1000/- (Rupees one thousand) only as mentioned in the tender paper drawn in favour of *Prof. Sushanta Kumar Badamali, P.I., MRIP-2025 project*, payable at *Bhubaneswar*. NO cash payment will be received in this regard.
2. Tender forms are not transferable.
3. Bids have to be given in the desired format separately to supply the equipment with accessories. Bids to be submitted along with the following documents.
 - (i) Sales tax/Income tax/GST certificate or excise license etc. necessary for items.
 - (ii) Non-assessment certificate in case of dealers/Stockiest outside the state of Odisha.

- (iii) Authorization certificate from the company, otherwise, quotations will be rejected.
- (iv) **All rates in INR should be inclusive of all taxes and FOR Destination, i.e. Department of Chemistry, Utkal University, Bhubaneswar.**
- (v) Installation charges, Delivery, packing forwarding etc. if any should be included in quoted price and no extra cost will be entertained after delivery/making operational.

N.B.

1. Exemption in price (if any) under production of DSIR certificate should be indicated.
2. Last date of submission of sealed tender paper is **19/09/2026** up to **3 PM** in the Department of Chemistry, Utkal University.
3. Bank guarantee for EMD is not valid.
4. The authority may cancel the tender as a whole or in part without assigning any reason thereof.
5. All supplies have to be made within 30 days of the confirmed order received by the firm; otherwise, the order shall be treated as cancelled.
6. EMD of the parties whose tender is not accepted will be refunded on submission of a sampled receipt.
7. Filled tender paper must contain all specifications, terms and conditions in a systematic manner and should not leave anything to guessing by the undersigned.

Prof. S. K. Badamali
Principal Investigator
Mob.9937086718
skbuche@utkaluniversity.ac.in

1. Chemicals/glass ware/Plastic ware

Dated:

Tender form no.

From

M/S.....

.....

To,

Prof. Sushanta K. Badamali, P.I. MRIP-2025, OSHEC, Govt. of Odisha

Dept. of Chemistry, Utkal University, Vani Vihar, Bhubaneswar.

Sub: Supply of

Ref. Tender advertisement

Dt.

EMD/Security amount: Rs..... (Rupees.....) only in the shape of DD in favour of *Prof. Sushanta Kumar Badamali, P.I., MRIP-2025 project*, payable at *Bhubaneswar, DD no. -----Dt.-----*.

Sl. No.	Item	Quoted price	Discount (if any)	Remark
1 (i)	Chemicals (Sigma-Aldrich, MERCK, TCI, Himedia, BLD Pharma, SRL, and Fischer make)			
(ii)	Laboratory ware/Glassware/Plastic ware (Borosil/JSGW/MERCK/TARSON, Omsons, Tensil, and Finar)			

2. Vacuum Oven

Dated:

Tender form no.

From

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Sl. No.	Item	Quoted price	Discount (if any)	Remark
2	Vacuum Oven (Round Chamber) Make: Thermo Scientific / DLAB / SD Instruments & Equipments / Equivalent Technical Specifications - Type: Laboratory Vacuum Oven with round chamber. - Construction: Double-walled construction with adequate thermal insulation. - Inner Chamber: High-quality SS 304 stainless steel, polished and corrosion resistant. - Outer Body: Heavy-duty mild steel with powder-coated finish. - Chamber Capacity: Approximately 12 Litres. - Chamber Dimensions: Approximately 250 mm × 250 mm (Dia × Depth). - Door: Stainless steel door with heat-			

	resistant gasket and vacuum-tight locking arrangement. • Temperature Range: 50°C to 250°C. • Temperature Accuracy: $\pm 3^{\circ}\text{C}$ or better. • Temperature Controller: Microprocessor-based PID digital temperature controller with LED/LCD display. • Temperature Sensor: PT-100 RTD sensor or equivalent. • Vacuum Capability: Suitable for operation up to 760 mm Hg vacuum (or equivalent ultimate vacuum). • Heating System: Uniform heating arrangement for consistent temperature distribution throughout the chamber. • Safety Features: ○ Over-temperature protection. ○ Sensor fault indication. ○ Vacuum-tight sealing arrangement. ○ Independent safety thermostat preferred. • Electrical Supply: 220–240 V AC, 50 Hz, Single Phase. • Accessories: ○ Vacuum gauge. ○ Vacuum connection port. ○ Vacuum tubing. ○ Stainless steel shelf. ○ Power cord and all accessories required for operation. • Optional: Compatible oil-free vacuum pump suitable for achieving the specified vacuum level may be supplied. • Application: Suitable for drying, degassing, solvent removal, moisture determination, and heat treatment under reduced pressure. • Warranty: Minimum One Year Comprehensive Warranty from the date of installation.			
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3.Digital balance

Dated:

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Sl. No.	Item	Quoted price	Discount (if any)	Remark
3	Analytical Balance Make: Aczet/Ohaus/Wensar/Equivalent Specifications • Specification: 1. Max Cap.: 220 g • Min. Cap.: 1 mg. • Readability: 0.1 mg • Repeatability: ± 0.1 mg. • Tare Range: -220 gm, Pan Size: 90 mm • Response Time 2-3 Sec., Calibration: External • Display: alpha numeric backlight LCD Display • Interface: RS 232C Optional USB (Windows direct communication) • Warranty: One year from the date of Installation			

4. pH meter

Dated:

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Sl. No.	Item	Quoted price	Discount (if any)	Remark
4	Bench Top pH Meter Make: DLAB / Horiba / Labman / Equivalent Technical Specifications - Type: Bench Top Digital pH Meter with Automatic Temperature Compensation (ATC). - pH Measurement Range: -2.00 to 20.00 pH or better. - pH Resolution: 0.01 pH (selectable 0.1/0.01 pH preferred). - pH Accuracy: ± 0.01 pH or better. - mV Measurement Range: -2000 to +2000 mV. - mV Resolution: 1 mV. - Calibration: Minimum 1 to 5			

	point calibration with automatic buffer recognition. • Buffer Recognition: Support for standard buffer solutions (pH 4.00, 7.00 and 10.01 or equivalent). • Temperature Compensation: Automatic Temperature Compensation (ATC). • ATC Range: 0 to 100°C or better. • Display: Large LCD/LED display showing pH, temperature and calibration status. • Electrode: Combination pH electrode with ATC sensor. • Probe Holder: Flexible electrode holder. • Measurement Modes: pH, mV and temperature measurement. • Data Stability Indicator: Available. • Power Supply: AC adapter supplied with the instrument. • Accessories: ○ pH electrode with ATC sensor. ○ Flexible electrode holder. ○ Power adapter. ○ Standard buffer solutions (pH 4.00, 7.00 and 10.01, minimum 50 mL each). ○ User manual and all accessories required for operation. • Application: Suitable for routine laboratory analysis, environmental, water quality, chemical and research applications. • Warranty: Minimum One Year Comprehensive Warranty from the date of installation.			
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5. Hot air Oven

Dated:

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Sl. No.	Item	Quoted price	Discount (if any)	Remark
5	HOT AIR OVEN Make: B.P. Lab / Thermo Scientific / G-Lab / Equivalent Technical Specifications - Type: Laboratory Hot Air Oven, double-wall construction. - Capacity: Approximately 45 Litres. - Chamber Size: 350 × 350 × 350 mm (W × D × H). - Inner Chamber: Made of highly polished stainless steel sheet. - Outer Body: Fabricated from heavy-duty mild steel sheet with powder-coated matt finish. - Insulation: High-quality thermal insulation to minimize heat loss and ensure energy-efficient operation. - Heating Elements: Kanthal wire heating elements provided on three sides for rapid and uniform heating. - Temperature Range: 50°C to 300°C.			

	• Temperature Accuracy: $\pm 2^{\circ}\text{C}$ or better. • Temperature Controller: Digital temperature indicator-cum-controller / PID digital temperature controller. • Display: Digital display for set and actual temperature. • Control Panel: ○ Temperature control knob/keypad. ○ Power ON/OFF switch. ○ Indicators for mains supply and heating status. • Air Circulation: Suitable arrangement for uniform temperature distribution throughout the chamber. • Shelves: Minimum 2 adjustable stainless steel shelves. • Door: Double-walled insulated door with heat-resistant gasket. • Electrical Requirement: 220–240 V AC, 50 Hz, Single Phase. • Safety Features: ○ Over-temperature protection. ○ Sensor fault protection. ○ Electrical safety protection. • Application: Suitable for drying, sterilization, curing, baking, moisture determination, and general laboratory heating applications. • Accessories: Complete with stainless steel shelves, power cord, user manual, and all accessories required for operation. • Warranty: Minimum One Year Comprehensive Warranty from the date of installation.			
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6. Sonicator

Dated:

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Sl. No.	Item	Quoted price	Discount (if any)	Remark
6	Bath Sonicator Make: Aczet/Labman/Equivalent Specification • Capacity: Approximately 2.5 Litres • Ultrasonic Frequency: 40 kHz • Ultrasonic Power: 120 W or higher • Heating Facility: Available • Temperature Range: Ambient to 80 °C • Timer Range: 1–99 minutes • Tank Material: Stainless Steel (SS 304) • Digital display for temperature and timer control • Stainless Steel Basket and Lid included • Power Supply: 230 V AC, 50 Hz • Warranty: One Year from the date of Installation			

7. Magnetic stirrer

Dated:

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Sl. No.	Item	Quoted price	Discount (if any)	Remark
7	Digital Magnetic Stirrer with Hot Plate and Timer Make: Remi / Borosil Scientific / Tarsons / Equivalent Technical Specifications - Type: Digital Magnetic Stirrer with Hot Plate and Timer. - Number of Stirring Positions: One. - Maximum Stirring Capacity: Minimum 5 Litres. - Speed Range: 100–1200 rpm or better, digitally controlled with adjustable increments. - Motor Type: Maintenance-free AC brushless motor or equivalent. - Temperature Range: Ambient to 500°C. - Temperature Control Accuracy: $\pm 1^{\circ}\text{C}$ or better. - Temperature Controller: Microprocessor-based PID			

	temperature controller. • Timer Range: 0–999 minutes with continuous operation mode. • Display: Easy-to-read LED/LCD digital display for speed, temperature, and timer settings. • Hot Surface Warning: Visual hot-top warning indicator. • Top Plate Material: Chemically resistant ceramic-coated or ceramic top plate. • Top Plate Dimensions: Approximately 180 × 180 mm or larger. • Maximum Load Capacity: Minimum 10 kg. • Stirring Bar: Suitable magnetic stir bar supplied with the instrument. • Body Construction: Robust cast aluminium or equivalent corrosion-resistant housing. • Protection Class: Minimum IP42 or better. • Ambient Operating Humidity: Up to 80% RH. • Electrical Requirement: 220–240 V AC, 50 Hz. • Power Consumption: Approximately 1100 W or better. • Safety Features: ○ Over-temperature protection. ○ Hot surface warning indicator. ○ Stable speed control under varying load conditions. • Accessories: Magnetic stir bar, power cord, user manual, and all accessories required for operation. • Application: Suitable for heating and stirring of chemical solutions, synthesis, sample preparation, and general laboratory applications. • Warranty: Minimum One Year Comprehensive Warranty from the date of installation.			
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8. Autoclave

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Sl. No.	Item	Quoted price	Discount (if any)	Remark
8	Stainless Steel Autoclave Reactor Specification • Type: Hydrothermal Autoclave Reactor • Capacity: 50, 100, 200 mL • Outer Body Material: High-grade Stainless Steel • Inner Vessel Material: PTFE (Teflon) Liner • Maximum Operating Temperature: Up to 300 °C • Maximum Working Pressure: Up to 3 MPa (30 bar) • Closure Type: Screw Cap/Threaded Type • Heating Type: Suitable for laboratory hot-air oven • High chemical and corrosion resistance • Suitable for hydrothermal and solvothermal synthesis of nanomaterials • Warranty: One Year from the date of Installation			