




CENTRE OF EXCELLENCE IN INTEGRATED OMICS AND COMPUTATIONAL BIOLOGY
UTKAL UNIVERSITY, VANI VIHAR,
BHUBANESWAR-751 004, ODISHA

TENDER CALL NOTICE

No. UCoE/Tend/01/2023

Date: 10.02.2023

Sealed tenders are invited from authorized dealers/stockiest/manufacturers for supply of chemicals, lab wares, glass wares, plastic wares, experimental kits, custom services for molecular biology/proteomics/transcriptome analysis, equipment (i.e. 1. Gradient PCR, 2. UV Visible Spectrophotometer, 3. Orbital Shaking Incubator, 4. Hot-air Oven, 5. Centrifuge (table top, non-refrigerated), 6. BOD Incubator, 7. Fume Hood), and accessories like 1. CO₂ Gas type Fire extinguisher and 2. Frost-free Double/Single door Refrigerator. Detailed information and tender documents of the above items can be downloaded from the website www.utkaluniversity.nic.in. The last date of submission of tender paper is **02.03.2023, 5.00 PM**, by hand/by speed post/registered post/courier. The cost of the tender paper is **Rs. 300/-**.


Coordinator

CoE-IOCB

Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University



**CENTRE OF EXCELLENCE IN INTEGRATED
OMICS AND COMPUTATIONAL BIOLOGY**

(Supported by the Govt. of Odisha and WB-OHEPEE)

UTKAL UNIVERSITY, VANI VIHAR,

BHUBANESWAR-751 004, ODISHA

**Tender Paper
for Procurement of
Equipment/Consumables/Accessories
Financial year 2022-23**

Total number of pages – 22 (Twenty two)


**Co-ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University**



**CENTRE OF EXCELLENCE IN INTEGRATED OMICS AND COMPUTATIONAL
BIOLOGY**

(Supported by the Govt. of Odisha and WB-OHEPEE)

UTKAL UNIVERSITY, VANI VIHAR, BHUBANESWAR-751 004, ODISHA

TENDER PAPER

No. UCoE/Tend/01/2023

Date: 10.02.2023


Sealed tenders are invited from authorized dealers/stockist/manufacturers for supply of equipment, chemicals, plastic-wares, glass wares, lab-wares, kits, custom services for Molecular Biology/Immunology/Proteomics/Transcriptome analysis and other accessories etc. for the financial year 2022-23.

Detailed information and tender documents of the above items can be downloaded from the Utkal University website (www.utkaluniversity.nic.in).

Approximate value: Rs.30,00,000/- (Rupees Thirty lakhs) only.

IMPORTANT INFORMATION

1	Tender no.	UCoE/Tend/01/2023, Dt. 10.02.2023
2	Availability of tender paper on website: date and time	10.02.2023; 10 AM
3	Last date and time for tender submission	02.03.2023; 5 PM
4	Place of Submission (by hand/by Regd. Post/Speed Post/Courier)	Office of the CoE-IOCB, 1 st Floor, Central Instrumentation Facility Building (adjacent to Law Department), Utkal University, Vani Vihar, Bhubaneswar – 751004
5	Tender opening date and time	03.03.2023; 3 PM
6	Place of Opening the tender papers	Conference Hall, 1 st floor, CIF Building
7	Cost of tender paper	Rs. 300/- as Demand Draft (DD) In favour of "COORDINATOR AND CO COORDINATOR, COE IN IOCB", payable at Bhubaneswar
8	Cost of Earnest Money Deposit (EMD)	See respective items
9	Validity of the Tender & period of supply	One financial year (2022-23). However, rate contracts of consumables and custom services may be extended for one more year, with approval from the purchase committee and competent authority.


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Guidelines:

1. Tender forms are not transferable.
2. Bids have to be given in the desired format (See page 6 to 22)
3. Tender forms should be submitted in a sealed envelope along-with the following documents superscripted as "Tender for CoE-IOCB".
 - (i) Separate Demand Drafts towards the cost of tender paper and applicable E.M.D.s
 - (ii) GST Certificate or, the Excise License etc. necessary for items. Income Tax Clearance.
 - (iii) Declaration Certificate (see page no. 4).
 - (iv) Non-assessment Certificate in case of Dealers / Stockist outside the State of Odisha.
 - (v) Original Price list / catalogue/ brochure for the year 2022-23 with seal and signature on the cover. Soft copy of the same must be submitted along with the tender.
 - (vi) Original Authorization Certificate from the Company.
 - (vii) All rates should be inclusive of all taxes. Clearance and C.I.F. up to the Centre of Excellence in Integrated Omics & Computational Biology, 1st Floor, Central Instrumentation Facility Building (Adjacent to Law Department), Utkal University, Bhubaneswar.
 - (viii) Scanned copy of "Performance statement" along with relevant copies of order and End Users satisfaction certificate.
 - (ix) An Undertaking (as per the prescribed format) stating that the bidder is not de-registered/ banned/ blacklisted by any Central/ Odisha Governments/ Institutions need to be enclosed (see page no. 5)
 - (x) Point-wise Compliance and Non-compliance statement with respect to the specifications given (in both hard and soft copy).
4. Valid DSIR Certificate will be provided by the purchaser.
5. The authority may accept/reject/cancel/change/modify any part or all Tender as a whole without assigning any reason thereof.
6. The Authority is not responsible for any postal delay.


Coordinator
CoE-IOCB

Coordinator
COE-Integrated Omics
& Computational Biology,³
Utkal University

(In Company's Letter head)

Declaration

Dated: _____

On behalf of our firm/company, we, hereby declare that we will quote same discount/price [i.e., as per price quoted for the Centre of Excellence in Integrated Omics & Computational Biology (CoE-IOCB), Utkal University], to other Departments or CoEs of Utkal University, Vani Vihar, during the financial year 2022-2023. Otherwise, our participation in this tender process will be cancelled for the same financial year.

Seal & Signature

Date:.....


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

(In Company's Letter head)

Undertaking regarding Blacklisting & Non-Debarment

Dated: _____

We, M/s _____
hereby confirm and declare that we are not blacklisted/ De-registered/
debarred by any Government department/Public Sector Undertaking/ Private
Sector/ or any other agency for which we have Executed/ Undertaken the
works/ Services during the last 5 years.

Seal & Signature

Date:.....


Coordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 1
CHEMICALS
FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology
Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Supply of Chemicals for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated:..... Bank.....

Sl. No.	Name of the Manufacturer / Brand	Discount (%) on the Price List
1.		
2.		
3.		
4.		
5.		

Signature of the
Manufacturer / Authorized Dealer

Seal

Dated:.....


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University.

Item no. 2

KITS

FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology

Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Supply of Kits for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated:..... Bank.....

Sl. No.	Name of the Manufacturer / Brand	Discount (%) on the Price List
1.		
2.		
3.		
4.		
5.		

Signature of the
Manufacturer / Authorized Dealer

Seal

Dated:.....


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 3

CUSTOM SERVICES

(for Molecular Biology/Immunology/Proteomics/Transcriptome analysis)

FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology

Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Customs Services for Molecular Biology/Immunology/Proteomics/ Transcriptome analysis for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated:..... Bank.....

Sl. No.	Customs Services for Molecular Biology/Immunology/Proteomics/Transcriptome analysis	Discount (%) on the Price List/Specific custom service
1.		
2.		
3.		

Signature of the
Manufacturer / Authorized Dealer

Seal

Dated:.....


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 4
LAB-WARES
FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology
Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Supply of the Lab-wares for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated:..... Bank.....

Sl. No.	Name of the Manufacturer / Brand	Discount (%) on the Price List/Specific custom service
1.		
2.		
3.		

Signature of the
Manufacturer / Authorized Dealer
Seal

Dated:.....


Coordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 5
GLASS-WARES
FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology
Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Supply of Glass-wares for the financial year 2022-23

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....,

Dated:..... Bank.....

Sl. No.	Name of the Manufacturer / Brand	Discount (%) on the Price List
1.		
2.		
3.		
4.		
5.		

Signature of the
Manufacturer / Authorized Dealer
Seal

Dated:.....


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 6
PLASTIC-WARES

FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology

Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Supply of Plastic-wares for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated:..... Bank.....

Sl. No.	Name of the Manufacturer / Brand	Discount (%) on the Price List
1.		
2.		
3.		
4.		
5.		

Signature of the
Manufacturer / Authorized Dealer

Seal

Dated:.....


Co-ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 7
GRADIENT PCR
FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology
 Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Procurement of Gradient PCR for the financial year 2022-23

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.3,000.00 (Rupees three thousand) only (D.D. No.....)

Dated:..... Bank.....

Specifications for Gradient PCR	Unit Price + Tax FOR Destination
<ul style="list-style-type: none"> • Gradient Thermal Cycler with Peltier heating and cooling based system. • It should be supplied with block of 96 X 0.2 ml. • The block should also have dynamic gradient capability. • A total of 6/8 gradients or better should be possible. • It should have a maximum ramp rate of 4°C/second or better. • The temperature range of 4-99°C; The temperature accuracy of ±0.5 °C • The temperature uniformity of ±0.5 °C well to well within 30 seconds of arrival at target temperature. • The gradient range of 30-100°C. • It should have high resolution touch screen display with 1/2 USB ports for protocol transfer. • It should have a memory of at least 500 or more programs with further expansion through a USB Flash drive for transfer of files. • It should have option for graphical or text based programming • The software should have exportable Run logs and system error logs • System should be quoted along with suitable Online UPS. • The warranty of the instrument and Online UPS - 3 years from the date of installation. Additional warranty period for 2 years may be quoted separately. 	

Dated:.....

Signature of the
 Manufacturer / Authorized Dealer
 Seal


 Co ordinator
 COE-Integrated Omics
 & Computational Biology,
 Utkal University

Item no. 8
UV-VISIBLE SPECTROPHOTOMETER
FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology

Utkal University, Vani Vihar, Bhubaneswar-751 004


Sub: Procurement of UV-Visible Spectrophotometer for the financial year 2022-23

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.7,000.00 (Rupees seven thousand) only (D.D. No.....)

Dated:..... Bank.....

Specifications for UV-Visible Spectrophotometer	Unit Price + Tax FOR Destination
<ul style="list-style-type: none"> • The instrument must be capable of multiple data collection modes (single wavelength, multiple wavelength, scanning and kinetics modes) and may be for both micro and macro volume measurements. • Bandwidth: Better than 1.6 nm. • Beam geometry: Focused beam. • Light source: Xenon lamp with 5 years replacement warranty. • The system must be a double beam system. • Wavelength range: 190 to 1100 nm. • Photometric Linear range: 4A or better • Photometric Accuracy: ± 0.0007 Abs. or better • Photometric noise: <0.00002 Abs. or better • Photometric reproducibility: Standard deviation for 10 measurements should not exceed 0.00050 Abs (at 1 Abs, 465 nm using NIST 930 E Filter) • Scan rate: minimum 24000 nm/min or better without wavelength shift. • Data collection up to 80 data points/second for single wavelength kinetics measurements. Continuous measurements for 5.5 days. • The detector should be silicon photodiode detectors (low efficiency detectors like diode array or CCD not acceptable). • Instrument should come with all required software for Bio applications like RNA DNA estimation, Bradford assay, Lowry assay, Enzyme kinetics etc • Should be upgradable to Fiber optic probe, Micro plate reader etc. <p>Accessories:</p> <ul style="list-style-type: none"> • One pair of Quartz Cuvettes with 10 mm pathlength (with suitable 	


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 Utkal University

<p>10 mm cuvette holders)</p> <ul style="list-style-type: none"> • Microvolume measurement system (0.4 microliter) without requiring cuvettes/microvolume cuvettes and pathlength of 0.1 and 1 mm* for direct measurement of DNA, Protein etc (Purity and quantification). Microvolume system should be functional by keeping just a drop of sample on the surface of accessory for direct measurement and sample retrieval should be easy. • One Windows-10 or higher based branded Desktop computer with i5 processor, 4GB RAM, 1 TB hard disk, LED monitor (23 inch), keyboard, CD/DVD writer and compatible UPS should be supplied along with the system. <p>Warranty: 3 Years. Additional 2 years warranty must be quoted separately.</p>	
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Dated:.....

Signature of the
 Manufacturer / Authorized Dealer
 Seal


 Co-ordinator
 COE-Integrated Omics
 & Computational Biology,
 Utkal University

Item no. 9
Orbital Shaking Incubator

FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology

Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Procurement of Orbital Shaking Incubator for the financial year 2022-23

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.3,000.00 (Rupees three thousand) only (D.D. No.....)

Dated:..... Bank.....

Specifications for Orbital Shaking Incubator	Unit Price + Tax FOR Destination
<ul style="list-style-type: none">• Temperature Range & Accuracy: 5°C to 60°C, ± 0.5°C• Internal Volume (Litres): 215 or more• Maximum Shaking Capacity (Volume x No. of flasks)*: 100ml x 49, 150ml x 49, 250ml x 33, 500ml x 24, 1000ml x 15, 2000 ml x 9• Shaking Speed range (RPM): 0 to 300• Shaking Amplitude: 25 mm• With Microprocessor Temperature control having advanced sensor.• Display: LCD, large enough for clear reading• Power Failure Alarm: Audio Visual Alarm• Door Open Alarm: Audio Alarm in case door open for over one minute• Temperature Variation Alarm: Temperature range 10-60 °C, Audio Visual Alarm; Set temperature < ±2 °C• Illumination: 8 Watts Fluorescent Tube• Internal and external body material: High grade Stainless Steel or better• Insulation (CFC free polyurethane foam): 70 mm minimum for Body & 80 mm for Door• Timer - Continuous• Noise Level: Less than decibel level• Warranty: 3 Years. Additional 2 years warranty must be quoted separately.	

Dated:.....

Signature of the
Manufacturer / Authorized Dealer
Seal


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 10
HOT AIR OVEN
FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology,
Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Procurement of Hot Air Oven for the financial year 2022-23

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated:..... Bank.....

Specifications for Hot Air Oven	Unit Price + Tax FOR Destination
<ul style="list-style-type: none">• Microprocessor PID controller (with timing function), Polished stainless-steel chamber Uniform distribution of air temperature (Convection), Double layer glass door, larger viewing window• Chamber volume (Litre) – 80 or more• Temperature range - RT+10⁰~300⁰C• Temperature accuracy - 1⁰C• Display resolution - ±1⁰C• Shelves (Nos) – 2/3• Power supply – must be mentioned, with maximum power consumption. Desired electrical wall socket to be mentioned.• Warranty: 3 Years. Additional 2 years warranty must be quoted separately.	

Dated:.....

Signature of the
Manufacturer / Authorized Dealer
Seal


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 11
CENTRIFUGE (TABLE TOP, NON-REFRIGERATED)

FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology

Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Procurement of Centrifuge (Table top, Non-Refrigerated) for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs. 1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated: Bank.....

Specifications for Centrifuge (Table top, Non-Refrigerated)	Unit Price + Tax FOR Destination
<ul style="list-style-type: none">• Rotor Capacity (ml): 16x15 ml/8x15 ml• Rotor for 1.5 ml to be quoted extra• Type of Head- Angle Rotor• Head No. of Tubes- 16• Maximum Speed (RPM) - 6000• Digital Timer Range: 0-59 minutes• Voltage Stabilizer- to be quoted with input voltage range 130-280V• All adaptable rotors for the quoted model may be quoted as optional.• Warranty: 3 Years. Additional 2 years warranty must be quoted separately.	

Dated:.....

Signature of the
Manufacturer / Authorized Dealer
Seal


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 12
BOD INCUBATOR

FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology
Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Procurement of BOD Incubator for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023


E.M.D. amount: Rs.2,000.00 (Rupees two thousand) only (D.D. No.....)

Dated:, Bank.....

Specifications for BOD Incubator	Unit Price + Tax FOR Destination
<ul style="list-style-type: none"> • Function: BOD test culture of bacteria, microorganisms, tissue culture, incubation, and immunological work, etc. • Internal Volume (liters): Price must be quoted for 85 / 170 / 285, separately. • Body: Constructed of double walls, exterior with powder coated CRCA steel and interior made up of stainless steel 304 (AISI grade, non corrosive, non magnetic). • Dimension: Both exterior and interior dimension must be mentioned. • No. of shelves: 2 / 3 with adjustable trays • Temperature range: 5°C to 60°C ± 0.5°C • Thermostat: Yes • Audio visual alarm: Yes • High voltage safety cutoff: Yes • Inner door: See through glass door • Chamber illumination: Fluorescent or ultraviolet light • Illumination regulator: Yes • Temperature control: Digital • Open door alarm: Yes; audio visual alarm • Display: LED/LCD with microprocessor control • Noise level: < 65 db • Warranty: 3 Years. Additional 2 years warranty must be quoted separately. 	

Dated:.....

Signature of the
Manufacturer / Authorized Dealer
Seal


 Coordinator
 COE-Integrated Omics
 & Computational Biology,
 Utkal University

Item no. 13
CO₂ GAS TYPE FIRE EXTINGUISHER

FORMAT

From:

M/S-----

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology

Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Procurement of CO₂ Gas type Fire extinguisher for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees two thousand) only (D.D. No.....)

Dated: Bank.....

Specifications for CO ₂ Gas type Fire extinguisher	Unit Price + Tax FOR Destination
<ul style="list-style-type: none"> • Fire Extinguisher based on the Carbon Dioxide (CO₂) gas shall confirm to IS: 15222. The quantity shall be determined by weighing. The filling ratio is the ratio of mass of liquefiable gas that is allowed to be filled into the container in view of safety considerations to the mass of water required to fill the container at 15 °C. • Must be operated by holding upright, removing the locking pin or seal or safety device from the wheel type control valve operating mechanism. • Body: Cylinder – Seamless Tube as per IS 7285; Control valve – Brass, wheel/squeeze grip type as per IS 3224; Syphon tube: Aluminium fitted with valve; Discharge horn – Polyethylene; Carrying handle – MS painted. • Capacity: 2 Kg • Approvals/certification: IS:15683, ISI Marked • Fire rating: 8B • Working/operating temperature: -30 to 55 °C • Burst Pressure (approx.): 335-350 bar • Cylinder testing pressure: 250 bar • CO₂ gas: as per IS 15222 • Propellant: Self propelling • Class of fire: B and C • Filling ratio: 0.667 • Minimum effective discharge time: 8 sec • Bulk range discharge: 1 mtrs • Extinguishing agent charge: CO₂ gas • The cylinder body, discharge fittings, trolley, valve, (i.e. Nozzle, Hose, etc) shall be confirmed as per Indian Specification IS: 15683 & IS: 2878. • Painting: The extinguisher should be painted fire red confirming to shade No. 536 or 537 of IS: 5. The extinguisher shall be marked with the letters B, & C indicating their suitability for respective 	


 Co ordinator
 COE-Integrated Omics
 & Computational Biology,
 Utkal University

<p>classes of fires as laid down in IS: 2190:1992.</p> <ul style="list-style-type: none"> • Marking: The following information must be clearly marked on the cylinder - Manufacturer's name or trademark; serial no.; year of manufacture (Embossed at the bottom ring/body/neck); Method of operation; The words "Carbon Dioxide Type"; class and capacity of the extinguisher in kg.; Year of manufacture of extinguisher and date of refilling.; The product shall be marked with BIS Standard Mark. The following information to should also be marked on the head of extinguisher or on the neck of the cylinder: Weight of extinguisher (to include operating head, Internal discharge tube and carrying handle but not any hose or discharge horn assembly) shown as EW; Filled weight of extinguisher (to include operating head, internal discharge tube, carrying handle and gas filled contents but not any hose or discharge horn assembly) shown as FW. • Must be supported with wall mounting facility. • Warranty: Minimum 1 year 	
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Dated:.....

Signature of the
Manufacturer / Authorized Dealer
Seal

Item no. 14
FROST-FREE DOUBLE/SINGLE DOOR REFRIGERATOR

FORMAT

From:

M/S.....

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology

Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Procurement of Frost-free Double/Single door Refrigerator for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated: Bank.....

Specifications for Frost-free Double/Single door Refrigerator	Unit Price + Tax FOR Destination
Frost-free double door Refrigerator with <ul style="list-style-type: none">• Capacity: 310 litres or more• Operation: Stabilizer free operation• Top mounted freezer compartment• No. of doors: 2 / 1; with door lock• Star rating: 3 star or better• Shelves: minimum 4• Shelf material: toughened glass/fibre• Digital display (optional)• Quieter operation and less power consuming• Warranty: 2 years; on compressor 10 years	

Dated:.....

Signature of the
Manufacturer / Authorized Dealer
Seal


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University

Item no. 15
FUME HOOD

FORMAT

From:

M/S.....

To,

The Coordinator

Centre of Excellence in Integrated Omics & Computational Biology
Utkal University, Vani Vihar, Bhubaneswar-751 004

Sub: Procurement of Fume Hood for the financial year 2022-23.

Ref: Tender No. UCoE/Tend/01/2023 dated 10.02.2023

E.M.D. amount: Rs.1,000.00 (Rupees one thousand) only (D.D. No.....)

Dated: Bank.....

Specifications for Fume Hood	Unit Price + Tax FOR Destination
<ul style="list-style-type: none">• Fume Hood must be fabricated of Complete Stainless Steel (GMP Model).• It has to be designed so as to throw out all toxic/harmful vapors & fumes.• Working Chamber size: 2' x 2' x 2'• Working table top: acid/alkali resistant granite• Wash basin with connections should be provided for inlet and outlet of water inside the fume hood.• The front door should move vertically up and down with concealed counter balanced weights.• The unit must be fitted with fluorescent light and a gas cock for gas/air supply.• The front facing panel should have 15/5 Amp socket with switches for exhaust system and fluorescent light.• Power supply and maximum consumption must be mentioned.• S.S. Lining on work bench.• Fume Duct: PVC fume duct. Price must be quoted per ft.• With Digital Controller• Warranty: 3 Years. Additional 2 years warranty must be quoted separately.	

Dated:.....

Signature of the
Manufacturer / Authorized Dealer
Seal


Co ordinator
COE-Integrated Omics
& Computational Biology,
Utkal University