



MAHARAJA SRIRAM CHANDRA BHANJA DEO UNIVERSITY
SRIRAM CHANDRA VIHAR, TAKATPUR, BARIPADA, MAYURBHANJ-757003
No-4795 MSCBU-19011/1/2021-STORE SEC-MSCB Date: 19-08-2023

TENDER NOTICE

Sealed quotations are invited from **Original Equipment Manufacturers (OEM)/Authorised Dealers/Partners** for,

Item 1: Items/ Equipments for P.G Departments

Item 2: Electrical and Electronics items for Administrative office and P.G Departments.

Item 3: Furniture Items for Administrative office and P.G Departments.

at **Maharaja Sriram Chandra Bhanja Deo University, Sriram Chandra Vihar, Takatpur, Baripada-757003, Odisha (MSCBU hereinafter)** in the prescribed format as per the requirements enclosed in the schedule of items given in bid documents. Bid documents with details terms & conditions can be downloaded from MSCBU website "<http://nou.nic.in>"

Bidders may bid for all three (03) items i.e Item 1, Item 2 and Item 3 or Separate bid from different firms is also allowed for Item 1, Item 2 and Item 3. Bids will be evaluated for Item 1, Item 2 and Item 3 separately or jointly.


The tenders along with the tender cost and EMD as given in bid documents in the sealed envelope should be super scribed with:-

- 1) **"Tender for Items/ Equipments for P.G Departments (Item 1).**
- 2) **Tender for Electrical and Electronics items for Administrative office and P.G Departments (Item 2).**
- 3) **Tender for Furniture Items for Administrative office and P.G Departments (Item 3).**

at **Maharaja Sriram Chandra Bhanja Deo University, Baripada Campus**" and submitted through Speed Post / Regd. Post /Courier to the office of the Registrar, MSCB University by 05:00 PM on or before 11.09.2023. **The bids shall be opened on 13.09.2023 at 11:30.** More details are available at University Website: <http://nou.nic.in>. The authority reserves the right to accept / reject any or all tenders without assigning any reason thereof and will not be responsible for any postal delay. **No correspondence in this regard will be entertained.**


The interested bidders can inspect the University site at any time during working hours on any working day at their own cost before submission of tender. No consideration shall be entertained regarding non awareness of the site conditions and constraints after submission of tender.

By order of Vice-Chancellor


19/08/2023
Registrar
MSCB University
Dated: 19-08-2023

Memo 4794 /MSCBU

Copy to Director, Computer Centre / PS to VC / PA to Registrar/COF/All Section/All departments/Central library/Notice Board , with a copy of detail tender documents for information and necessary action.


19/08/2023
Registrar
MSCB University
Dated: 19-08-2023

Memo 4795 /MSCBU

Copy to Prof In-charge of University website with request to upload the same in the university website for wide publication.


19/08/2023
Registrar
MSCB University

TENDER DOCUMENT

Tender Notice for:

Item 1: Items/ Equipments for P.G Departments.

Item 2: Electrical and Electronics items for Administrative office and P.G Departments.

Item 3: Furniture Items for Administrative office and P.G Departments.

at **Maharaja Sriram Chandra Bhanja Deo University, Baripada Campus.**

Address:

Maharaja Sriram Chandra Bhanja Deo University

Sriram Chandra Vihar, Takatpur

Baripada – 751003,

Dist: Mayurbhanj

Odisha, India

Tel : +91-6792-255129

Fax : +91-6792-253908

MSCBU invites sealed offers bidding for above mentioned various items at **Maharaja Sriram Chandra Bhanja Deo University, Baripada Campus**

Interested parties may download the Tender Document from University Website <http://nou.nic.in>

1. **Submission of Bids:** 11.09.2023 upto 5:00 PM
2. **Opening of Bid Date:** 13.09.2023 at 11:30 AM
3. **Tender fee (Non-Refundable):** Rs.1000/- (Rupees Five Hundred only) in the form of a DD/Pay Order favouring **The Comptroller of Finance, MSCBU, Takatpur payable at Baripada.**
4. **Earnest Money Deposit:** The Bidder shall submit their quotes along with EMD of Rs. 5,000/- (Rupees Five Thousand only) or 1% of the Bid cost whichever is higher. **EMD** should be in the form of DD / Bank Guarantee favouring **The Comptroller of Finance, Maharaja Sriram Chandra Bhanja Deo University, Takatpur, Baripada-751003 payable at Baripada.** This Bank Guarantee should be valid for Bid Validity period mentioned in **Clause 1 under SECTION II.**

SECTION I: INVITATION FOR BIDS (IFB)

Sub: For Item 1 to Item 3

1. Scope of Work & Technical specifications:

Detailed scope of work and technical Specifications is as per enclosed **Annexure I**

2. Eligibility Criteria for bidders:

The eligibility criteria for pre-qualification of bidders are as under:

- i. In case the tenderer is an authorized firm then it must submit the authorization from the Registered Company/OEM. In absence of authorization, the Bid is liable to be rejected.
- ii. The OEM must have India presence.
- iii. Products to be offered should be new, unused and of current design, not declared obsolete or not declared to become obsolete in next 2-years.

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- iv. OEM must not offer any co-branded product (i.e Product bearing brand shared with other OEM).
- v. The bidder should be an Organization/ Company in operation with Office and Service support centre for the last Five Years as on 31st March 2023 in Odisha and India to ensure satisfactory service support after sales.
- vi. **For Item 2 & 3:** The bidder should be an organization / company in operation with office and Service Support Centre in Odisha preferably in 300 kms range of Baripada, to ensure satisfactory service support after sales.
- vii. Execution of job has to be done by single vendor only no third party transfer will be allowed
- viii. The tenderer(s) should have executed installation of the similar nature work. Proofs of the same like PO copies, installation & completion reports, performance certificates with address and contact details of the referred installation list should be submitted with the bid. In absence of supporting documents, the bid is liable to be rejected.
- ix. The bidder should be a registered firm under GST Act. The bidder should furnish the GST registration certificate, PAN No. details, along with the tender paper and to enclose copies of supporting documents. In case of company or partnership firm, the registration certificate under companies Act/Registered firms must be enclosed. In absence of above documents, the Bid is liable to be rejected.
- x. The bidder's firm must be a financially sound & established firm fulfilling all statutory & regulatory requirements of its functioning in India & Odisha. Proof of registration & other compliances and turn over, audit reports, balance sheets etc for company's financial soundness as required may be furnished for three years from 2019 to 2022 (must be certified by CA failing which the bid is liable to be rejected).
- xi. The bidder or (Registrar/OEM in case bidder is authorized channel partner etc.) must have an experience of minimum 05 years or more for Sales, Installation & Service support for execution of projects/jobs.
- xii. The bidder should not be black listed in any of the Govt. Organization. Undertaking in this regard must be submitted.
- xiii. The bidder's firm having ISO 9001 / MSME/Start up registration certificates are preferred.
- xiv. Before submission of the tender paper, please verify the eligibility criteria and ensure fulfilling all the terms and conditions.

3. Bid Submission:


The offer must be submitted in sealed envelopes. **"Offer for**

Item 1: Items/ Equipments for P.G Departments.

Item 2: Electrical and Electronics items for Administrative office and P.G Departments.

Item 3: Furniture Items for Administrative office and P.G Departments.

at MSCB University." and the address of the firm should be mentioned in the sender side of the envelope with phone number.



TENDER NOTICE NO. :

DUE DATE & TIME : 11.09.2023

3.1 Part-I : Technical Specifications shall contain:

- **For all items**, specifications with full details including description for analysis of the proposal.
- **For all items** make and model of materials so as to enable technical assessment of the proposal.
- An Undertaking / Authorization certificate as mentioned under Eligibility Criteria.
- **Company Profile (as per PROFORMA I) along with all the supporting documents as desired.**
- Non-Refundable Tender fee of Rs. 1000/- (Rupees One Thousand only) in the form of DD / Pay Order favouring Comptroller of Finance, MSCB University, payable at Baripada. Quotations without Tender Fee shall be rejected.
- Refundable Earnest Money Deposit (EMD): Offers without Earnest Money Deposit will be rejected.
- **For all items** the warranty services are required at MSCBU, Takatpur, Baripada. A certificate of warranty as specified in the technical specification should be provided by the OEM in original.
- **For all items** the detailed technical specifications with Make & Model, Compliance Statement must be as per the technical specification which needs to be supported by relevant product brochure etc. without proper compliance statement the bid is liable to be rejected.
- Acceptance to the terms and conditions laid down in the tender document. Any deviation in the general terms and condition will lead to the rejection of the bid.
- The bid should also contain the Price details with proper seal and signature of authorized person. Prices should be given in INR in both figures and words.

4. Opening of Bid

Bids will be opened on 13.09.2023 at 11:30 AM. Interested bidders/ authorized representatives may attend the bid opening as per the schedule.

The outer cover super scribing in which these sealed covers are to be placed should be addressed and reach to:

**THE REGISTRAR,
MSCB UNIVERSITY
TAKATPUR
BARIPADA-757003
ODISHA, INDIA.**

SECTION II: INSTRUCTION TO BIDDERS (ITB)

1. Bid Validity

Bids shall be valid for minimum 90 Days from the date of opening. A bid valid for a shorter period shall not be considered. MSCBU-Baripada may ask bidders to extend the period of validity.



2. Delivery & Installation:

For all items, the complete delivery and installation as per our present requirement must be completed at MSCBU, Baripada within 30 days from the date of Purchase Order to meet the time lines. However, separate order may be placed for additional quantities on the same rates on "As and When Required" basis within the Bid Validity period as above. MSCBU-Baripada reserves the right to increase or decrease the Bill of Material as per the requirement without any change in the rates quoted.

Installation and Commissioning shall include the following:

- a) Installation and Testing of the Equipment, Machineries etc. should be supplied by the tenderer.
- b) It will be the responsibility of the tenderer to provide all necessary spares and consumables, softwares (if any) which may be required during installation and commissioning, at no extra cost to purchaser.
- c) The tenderer is to bring their own testing and measuring instruments required for installation, testing, commissioning, which can be taken back after completion.
- d) The tenderer should provide all necessary raw materials for running of the machine during commissioning.
- e) In case the procured items/Equipment directly or indirectly need Computer softwares or in case the items are themselves softwares, those softwares must be Supplied in form of CD/DVD. In case of items/equipment from OEMs, OEM CD must be Supplied. Otherwise the software CD must be written into a CD/DVD/PENDRIVE and to be supplied. In case of Pre-Installed softwares, appropriate Recovery Software CD must be supplied

3. Documentation

Detailed **technical manuals, handbooks, drawings, Warranty card and Factory Quality Assurance checklist, test results** and any other certifications mentioned in the technical specifications shall be supplied along with the consignment.

Supplied manuals/handbooks must cover detailed technical specifications and installation, operation, maintenance and System Safety procedures.

For Experimental setups, **details of theory, procedure and methods of taking measurements etc. should be provided in the form of hand books for each experiment.**

The receipts for taxes paid, if any, for the supplied materials should also be submitted

4. Product Specifications & Compliance Statement

The bidder should quote the products strictly as per the tender specifications and only of desired / preferred brands. Complete technical details along with brand, specification, technical literature etc. highlighting the specifications must be supplied along with the technical bid. The compliance statements should be supported by authentic documents. **Each page of the bid and cuttings / corrections shall be duly signed and stamped by the authorized signatory. Failure to comply with this requirement may result in the bid being rejected.**

5. In case of any discrepancy between rates mentioned in figures and words, the latter shall prevail. If there is a discrepancy between the unit price and the total price that is obtained by

multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.

6. Materials must be properly packed against any damage and insured up to the destination. The material should be directly supplied to MSCBU, Baripada. All the expenses involved in shipping the equipment to MSCBU, Baripada shall be borne by the Bidder. All aspects of safe delivery shall be the exclusive responsibility of the Bidder. MSCBU, Baripada will have the right to reject the component/Equipment supplied, if it does not comply with the specifications at any point of installation/inspection.

7. MSCBU, Baripada reserves the right to divide / split the order between more than one technically qualified bidder to meet the **Technical Requirements and Delivery Schedule**.

8. Earnest Money is liable to be forfeited and bid is liable to be rejected, if the bidder withdraw or amends, impairs or derogates from the tender in any respect within the validity period of the tender.

9. The Earnest Money of all the unsuccessful bidders shall be returned as early as possible but within the Bid Validity period but not before 30 days from the date of Purchase Order. No interest will be payable by MSCBU on the Earnest Money Deposit. The Earnest Money of successful bidder shall be returned after successful performance of the equipment.

10. If any equipment or part thereof is lost or rendered defective during transit, the supplier shall immediately arrange for the supply of the equipment or part thereof, as the case may be, at no extra cost.

11. The rates should be quoted in Indian Rupees for delivery at the Site **BOTH IN FIGURES & WORDS**. All prices shall be fixed and shall not be subject to escalation of any description during the bid validity period.

12. **The price should be inclusive of all taxes, otherwise the offers which are not as per the format will be rejected.**


13. Penalty:

If the delivery, installation and commissioning or service is not carried out in time as specified in other part of the tender document, the tenderers/manufacture will be charged @ 1 % (one per cent) per week of the total value of the concerned machine / equipment.

14. MSCBU-Baripada reserves the right to accept / reject the offers or cancel the whole tender proceedings without assigning any reason whatsoever. Offers through Email / Fax, etc and open offers shall not be accepted. Late / Delayed offers shall not be accepted under any circumstances. Incomplete offers shall be rejected outright. In case the specified date for the submission of offers being declared as a holiday for MSCBU-Baripada, the bid-closing deadline shall stand extended to the next working day up to the same time.

15. Any attempt of negotiation direct or indirect on the part of the Tenderer with the authority to whom he has submitted the tender or authority who is competent finally to accept it after he has submitted his tender or any endeavour to secure any interest for an actual or prospective bidder or to influence by any means the acceptance of a particular tender will render the tender liable to be rejected.

16. The prospective bidders requiring any clarification about the contents detailed in the tender document may notify to MSCBU-Baripada in writing at MSCBU's address. Clarifications received till 72 hours before the closing date / time of receipt of bids will be responded.



17. For Item 1 & 2 the items/equipment supplied must be supported by the bidder's technical support engineers. The support must be available 24 hours in a day, seven days a week and 365 days a year. Also provide toll free number / web / email so that it should be possible to contact the Principal Bidder's (OEM's) support Centre.

18. Unsatisfactory Performance

The Parties herein agree that MSCBU-Baripada shall have the sole and discretionary right to assess the performance(s) of the Bidder component(s), either primary and or final, and MSCBU-Baripada, without any liability what so ever, either direct or indirect, may reject the system(s) component(s) provided by the Bidder, in part or in its entirety, without any explanation to the Bidder, if found unsatisfactory and not up to level of the acceptance of MSCBU-Baripada.

19. Disclaimer

This Tender / Request for Proposal (RFP) is not an offer by MSCBU-Baripada, but an invitation for bidder's response. No contractual obligation whatsoever shall arise from the RFP process.

20. Declaration:

The bidder would be required to give certificate as below in his commercial bid.

21. Solving Disputes:

The Institution & the Tenderers shall make all efforts to resolve amicably by direct informal negotiation on any disagreement or dispute arising between them under or in connection with this contract.

All disputes arising out of the contract shall be referred to courts under the jurisdiction of the Baripada only.

The selection for procurement of Equipment will be based on quality and performance along with cost. In this context decision of technical committee nominated by MSCB University is final based on documentary evidence or actual physical verification.

The above terms and conditions except those otherwise agreed upon shall form a part of the Purchase Order.

22. Force Majeure

Notwithstanding the provisions of GCC clauses 22 and 23 , the supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

For purposes of the clause, "Force Majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

23. Termination for insolvency

If the supplier becomes bankrupt or otherwise insolvent, the purchaser may terminate the contract by giving written notice to the supplier, without any compensation to the supplier,

provided, the such termination will not prejudice or affect any right of action or remedy which has accrued and / or will accrue thereafter to the purchaser.

“I/We UNDERSTAND THAT THE DETAILS OF THE ITEMS/EQUIPMENTS/SERVICES AS PROVIDED ABOVE ARE SUBJECT TO CHANGE. I/WE AGREE THAT IN CASE OF ANY CHANGE IN THE QUANTITIES REQUIRED FOR ANY OF SERVICES, I/ WE WOULD BE SUPPLYING THE SAME AT THE RATES AS SPECIFIED IN COMMERCIAL BID. I /WE AGREE TO ADHERE TO THE RATES GIVEN ABOVE EVEN IF THE QUANTITIES UNDERGO A CHANGE”.

SIGNATURE OF THE BIDDER WITH STAMP

SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)

1. Price Basis

Price quoted should be in the prescribed format as per Annexure-II. The quoted price will be considered firm and no price escalation will be permitted during the bid validity period. Maximum educational discount as could be offered should also be mentioned.

2. Billing :

Billing is to be done in the name of **The Registrar, MSCB University, Takatpur, Baripada-757003**. No advance payment or payment against Performa invoice will be made. Payment will be made on the basis of the actual bill of material supplied, services rendered after receipt, inspection, installation / testing/ service and duly certified by authorized representative of MSCBU. The payment shall be made on actual measurement basis.

3. Payment:

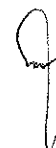
100% of invoice value after successful Installation of Item(s) at Maharaja Sriram Chandra Bhanja Deo University, Baripada Campus, Baripada and submission of invoice.

4. Warranty:

For item 1 & 2, The parts/whole of the items should cover at least warranty for 1 year or as specified in the supplied instruments/items.

5. Others

For Item 1 to 5, All damaged or unapproved goods shall be returned at the Tenderer risk and cost and the incidental expenditure thereupon shall be recovered from the concerned party.



PRE-QUALIFICATION/ELIGIBILITY**PROFORMA-I****PARTICULARS OF THE BIDDERS TO BE FURNISHED IN BID FOR THE PURPOSE OF PRE-QUALIFICATION:**

1	Name of Organization /Firm / Company	
2	Address & Telephone Number	
3	Year of establishment	
4	Status of the Firm (Company/Firm/Proprietary)	
5	Whether registered with the registrar of companies/registrar of firms. If so attach the copy of certificate.	
6	a)Name& Mobile Number of Managing Director/Managing Partner/Proprietor	
7	Whether registered with GST. Enclose the relevant copies with clearance certificates	
8	Furnish copy of PAN, Latest Income Tax Return filed.	
9	Furnish copies of audited balance sheet & profit & loss account for the last three years certified by CA.	
10	ISO 9001 certificate	
11	MSME certificate	
12	Furnish AMC PO copy	
13	Furnish OEM authorization certificate.	
14	“Undertaking” for not be a Blacklisted Firm.	
15	EMD Payment made or not? If YES, Mention details	
16	Whether, Tender Cost paid or not? If YES, Mention details.	

I certify that I meet the eligibility criteria described in section 2 of the bid.

Place:

Date:

Name, Signature & Seal of Bidder:



ANNEXURE-I

ITEM 1: ITEMS/ EQUIPMENTS FOR P.G DEPARTMENTS

Name of Equipments with quantity

Sl.No.	Name of the Dept.	Name of the equipment	Quantity	Specifications
1.	Anthropology and Tribal Studies	1. Microscope	04	As mentioned below.
		2. Sediment Analysis equipment	02 set	
		3. Digital DSLR Camera with Tripod (1 Set) Digital single-lens reflex camera used to captures real time pictures	01	
		4. GPS (Global Positioning System)	04	
		5. Electronic Digital Theodolite Surveying Instrument	01	
		6. Dumpy level	02	
		7. Portable Wireless WiFi Microscope	04	
		8. Labman Digital Tabletop pH Meter	04	
		9. Stainless steel Labsol Fumigation Chamber	01	
		10. Hi-Target Total Station Model HTS-420R(2"),	01	
		11. Premium 3D Scanner	03	
		12. 3DScanner (Accuracy 0.025 mm) Metrology Grade portable	03	
		13. Diapograph Horizontal Model complete with all accessories (03)	04	
		14. Martin's Anthropometer (04)	04	
		15. Cubic craniophore (04)	04	
		16. Tubular craniophore (04)	04	
		17. Diagraph (Martin's) (04)	040	
		18. Skinfold caliper (Harpenden) (04)	04	
2.	Biotechnology	1. Cooling Centrifuge	01	As mentioned below.
		2. Table Top Centrifuge (Non-Cooling)	01	
		3. Weighing balance	01	
		4. pH meter	01	
		5. pH meter	01	
		6. Shaker with bath	01	
		7. Vortex mixture	01	
		8. Power packs for Agarose gel	01	

		10. UV-Visible Spectrophotometer	01	
		11. Gel Documentation (imaging) System	01	
3.	Botany	1. Digital Weight machine (Wensar) Model No. PGB - 600	01	As mentioned below.
		2. Digital Conductivity meter (Systronics) Model No. SYSTRONIC - 304	01	
		3. Digital pH meter (Systronics) Model No. SYSTRONIC - 361	02	
		4. Autoclave (Sisco India) 54L Storage 10-20 Psi Fully Automatic Vertical Autoclave	01	
		5. Cold Centrifuge machine, Remi make, CPR-24 capacity: 24X1.5, 12X15 Rotor	01	
		6. Gel electrophoresis apparatus (Biorad fully automatic vertical unit)	01	
		7. Electric Electrophoresis Power Supply	01	
		8. Monocular Microscope (Magnus)	06	
		9. UV-Visible Single Beam Spectrophotometer	01	
		10. Soxhlet Apparatus 100 ml (Borosil)	02	
4.	Chemistry	1. Bench Top Orbital Shaking Incubator	01	As mentioned below.
		2. Microprocessor Melting Point Apparatus	01	
		3. Chiller	01	
		4. Ultrasonic cleaner Bath	02	
		5. Multiposition Magnetic Hot plate Stirrer	01	
		6. Chiller	01	
		7. Temperature controlled Heating and stirring Mantle	01	
		8. Hot Air Chamber (Hydrothermal Material Synthesis Work)	01	
		9. Hydro Thermal Auto Clave	03	
		10. Molpro Software License	01	
		11. Vacuum Oven	01	

5.	Computer Application	1. Sound System for Smart Class Room	01	As mentioned below.
		2. RAM for Desktop PC	150	
		3. 1 TB SSD for Dell Desktop PCs	50	
6.	Computer Science	1. Desktop	10	As mentioned below.
		2. GPU Computer	01	
		3. 2U Rack server	01	
		4. Raspberry Pi 4 (8 GB RAM Starter kit): For IoT subject/Lab	10	
		5. (i)Arduino UNO R3 board, (ii)Lilypad Arduino, (iii)RedBoard, (iv)Arduino Mega(R3), (v)Arduino Leonardo: For IoT subject/Lab (15, 5 pcs each)	01	
7.	Economics	1. Computer Set	06	As mentioned below.
		2. Statistical Software: (01)	01	
		i. Eviews ii. SPSS iii. STATA		
		3. Video Conferencing Camera	01	
8.	Geology	1. Field kit for water analysis	01	As mentioned below.
		2. Electronic Weighing Balance	01	
		3. UV-VIS Spectrophotometer	01	
		4. Flame Photometer	01	
		5. Complete volumetric titration set up	01	
9.	Material Science	1. Desktop with UPS	01	As mentioned below.
		2. Multi-Function Printer	01	
		3. Electrochemical workstation (Potentiostat-Galvanostat)	01	
		4. PROBE TYPE SONICATOR	01	
		5. Water Analyzer	01	
		6. HDPE Bottles	01	
		7. Vacuum drying oven	01	
		8. Doctor blade coating machine Specification	01	
10.	Physics	1. Faraday Effect Apparatus (HOLMARC HO-ED-P-04)	01	As mentioned below.
		2. Michelson interferometer (HOLMARC HO-ED-INT-06)	01	

		3. Hysteresis Loop Tracer to find coercively, retentivity, loss, Saturation. (Sciencetech/Nvis/AE/Labinco)	01	
		4. Magnetic Susceptibility – Gouy's Method (HOLMARC HO-ED-EM-08)	01	
		5. Study of Polarisation by Wave plate. (HOLMARC HO-ED-P-07.)	01	
		6. Function generator (Salicon Model: AN ISO 9001-2008)	01	
		7. Mechanical rotary pump (Edwards, Model: RV12)	01	
		8. Electronic Balance (MettlerToledo Model- ME 104,)	01	
		9. Analytical Balance (WENSAR ISO Model: MAB301)	01	
11.	Wildlife and Biodiversity Conservation	1. Bio-Rad LCD Display Interface PCR Machine (Semi Quantitative)	01	As mentioned below.
		2. Br biochem life sciences pvt. Ltd. Single Molded Horizontal Electrophoresis system	01	
		3. Br biochem life sciences pvt. Ltd. 360-400 Liters Deep Freezer (BRS-350)	01	
		4. Garmin Hand Held Gps (eTrex 32X)	01	
		5. Magnus Stereo Microscope (Version 1.0) FM24	05	
		6. BOD Incubator (CLW-112-450)	01	
		7. Digital pH Meter	01	
		8. Labtronics Conductivity Meters Automatic 0.1 Digital Conductivity Meter	01	
		9. Invitrogen Gel Documentation System With Cmos Camera	01	
		10. Binoculars	01	
		11. Br Biochem ELISA Reader(BR-580)	01	
		12. Br Biochem	01	

		Spectrophotometer (UV-Visible)		
		13. Nunes led and lcd leaf area meter	01	
		14. Digital Light Meter, Measuring Range Scale 0.1 – 199990 Lux	01	
12.	Zoology	1. Digital Light Meter, Measuring Range Scale 0.1 – 199990 Lux	01	As mentioned below.
		2. Electrophoresis Unit	01	
		3. -20 ⁰ C Deep Freezer	01	
		4. Rotary Evaporator	01	
		5. Soxhlet Extractor	01	
		6. Water quality cheker	01	

Specifications of above mentioned equipments

Item No– 01.01

Name of the item – Microscope

Quantity – 04

Name of the Dept. Anthropology and Tribal Studies

Specification –

LCD Digital USB Microscope 7 in HD Screen, Circuit Board Repair Soldering PCB Coins,12mp Video Camera Microscope,8 Adjustable Light, 1-1200X Magnification with Rechargeable Battery.

Item No– 01.02

Name of the item – Sediment Analysis equipment

Quantity – 02 Set

Name of the Dept. Anthropology and Tribal Studies

Specification – 0.01µm to 3500µm; Extended particle size range.

Item No– 01.03

Name of the item – Digital DSLR Camera with Tripod

Digital single-lens reflex camera used to captures real time pictures

Quantity – 01

Name of the Dept. – Anthropology and Tribal Studies

Specification -

- 6.2MP full-frame CMOS sensor; Dual pixel CMOS AF
- 45-point all cross-type AF up to 6.5fps continuous shooting
- ISO: 100 to 40000 (expandable to 102400)
- GPS, Wi-Fi, NFC and Bluetooth low energy



- Compatible Mountings: Canon Ef; Photo Sensor Technology: Size:[Unit:Frames Per Second, Value:Full Frame (35mm)], Technology:[Value:Cmos]; Hardware Interface: Secure Digital
- First hyper-telephoto zoom from the contemporary line
- Lightweight and compact in construction for higher usability
- Water and oil repellent coating on front glass element makes maintenance of the lens surface easier
- Dust proof and splash proof mount
- Filter size: 95mm

Item No– 01.04

Name of the item – GPS (Global Positioning System)

Quantity – 04

Name of the Dept. – Anthropology and Tribal Studies

Specification - Garmin eTrex 32xRugged Handhold

Item No– 01.05

Name of the item – Electronic Digital Theodolite Surveying Instrument

Quantity – 01

Name of the Dept. – Anthropology and Tribal Studies

Specification – An optical instrument used for measuring angles between designated visible points in the horizontal and vertical planes

Item No– 01.06

Name of the item – Dumpy level

Quantity – 02

Name of the Dept. – Anthropology and Tribal Studies

Specification – An optical instrument used to establish or verify points in the same horizontal plane in a process known as levelling

Item No– 01.07

Name of the item – Portable Wireless WiFi Microscope

Quantity – 04

Name of the Dept. – Anthropology and Tribal Studies

Specification – Wireless microscope HD inspection camera Compartable with Windows, Mobile

Item No– 01.08

Name of the item – Labman Digital Tabletop pH Meter



Quantity – 04

Name of the Dept. – Anthropology and Tribal Studies

Specification – Portable digital pH Meter (hand held), LMPH10

Item No– 01.09

Name of the item – Stainless steel Labsol Fumigation Chamber

Quantity – 01

Name of the Dept. – Anthropology and Tribal Studies

Specification – Disinfection For materials; Semi Automatic; Model No Lbs-fc-125

Item No– 01.10

Name of the item – Total Station, Hi-Target Total Station Model HTS-420R(2"),

Quantity – 01

Name of the Dept. – Anthropology and Tribal Studies

Specification – For land survey (archaeological exploration)

Item No– 01.11

Name of the item – Premium 3D Scanner

Quantity – 03

Name of the Dept. – Anthropology and Tribal Studies

Specification – 3Idea Imagine Create Print Creality CR Scan Lizard Up to 0.05mm Accuracy, 10 FPS Scan Speed, Supporting Turntable/Handheld/Combination Use Modes for 3D Printer 220x220x250m. Brand: LL

Item No– 01.12

Name of the item – 3DScanner (Accuracy 0.025 mm) Metrology Grade portable

Quantity – 03

Name of the Dept. – Anthropology and Tribal Studies

Specification – Ender 3 V2 3D Printer, Official Creality Ender 3 V2 Upgraded 3D Printer with Silent Motherboard, Branded Power Supply, Tempered Carborundum Glass Plate and Resume Printing Function

Item No– 01.13

Name of the item – Diaptograph Horizontal Model complete with all accessories

Quantity – 03

Name of the Dept. – Anthropology and Tribal Studies

Specification – Diaptograph Horizontal Model complete with all accessories

Item No– 01.14

Name of the item – Martin's Anthropometer

Quantity – 04

Name of the Dept. – Anthropology and Tribal Studies

Specification – Made of brass, Range 0-2100mm

Item No– 01.15

Name of the item – Cubic craniophore

Quantity – 04

Name of the Dept. – Anthropology and Tribal Studies

Specification – Made of Steel with skull holder, 28-cm square

Item No– 01.16

Name of the item – Tubular craniophore

Quantity – 04

Name of the Dept. – Anthropology and Tribal Studies

Specification – Martin type (with skull holder)

Item No– 01.17

Name of the item – Diagraph (Martin's)

Quantity – 04

Name of the Dept. – Anthropology and Tribal Studies

Specification – Martin type with pencil holder, weight 3kg

Item No– 01.18

Name of the item – Skinfold caliper (Harpenden)

Quantity – 04

Name of the Dept. – Anthropology and Tribal Studies

Specification – Skinfold caliper (Harpenden)

Item No– 02.01

Name of the item – Cooling Centrifuge

Quantity – 01

Name of the Dept. – Biotechnology

Specification –

Automatic rotor detection,

Safety speed limiter function

10 storable programs with protection function

Setting of speed in RPM and RCF

Short Spin function and precool

Temperature range from 0°C to +40°C

Controlled by microprocessor and backlit color LCD display with contemporary visualization of all parameters

Digital adjustment of acceleration and deceleration levels

Stainless steel internal bowl with optimal height for loading of samples

Imbalance detection system with automatic functioning stops to avoid accidents

Automatic locking system of the lid

Safety opening of the lid in case of absence of electric power

Brushless motor maintenance free and no carbon deposits

Maximum speed: 16000 rpm (fixed angle)

Setting RPM /RCF

Timer: 00:30 to 99:50(mm: ss) and continuous mode Date and Time

Acceleration levels: 0-9 (0=min-9=max) Deceleration levels:

0-9 (0=min-9= max) Spin function

Programs: 10 programs with protection function with indication of rotor

Noise: ≤55db

Rotor should be supplied: 1.5 ml and 15 ml.

Item No- 02.02

Name of the item – Table Top Centrifuge (Non-Cooling)

Quantity – 01

Name of the Dept. – Biotechnology

Specification –

- Maximum speed 5250 rpm with speed regulator, safety lid lock, digital speed meter & timer, with 16 x 15 ML swing out head with graduated glass tubes.
- Stainless Steel centrifuge Chamber, easy to clean Brushless Induction motor with variable frequency drive Microprocessor controller with digital display
- Stable speed output even under unstable voltage condition
- Smooth & Soft start Low sample temperature rise Inverter fault detection without shutdown 7 Segment
- LED display of speed Digital countdown timer & continuous run Safety lid interlock to prevent lid opening during centrifugation Imbalance detection & centrifugation stop with display of error
- Dynamic brake for quick deceleration Motor overload protection Gas hinge to prevent door falling
- Emergency lid lock release Last set parameters recall (Useful for repetitive analysis)
- Wide variety of rotors & reduction adaptors

Item No- 02.03

Name of the item – Weighing balance

Quantity – 01

Name of the Dept. – Biotechnology

Specification –

Capacity 200gm

Sensitivity 0.0001gm

Readability 0.0001g (0.1mg)

Repeatability (±) 0.0001g

Linearity (±) ± 0.0003g

Min.(Capacity) 0.01g (10mg)

Display LCD

Pan Size 90 mm Ø

Response Time 4 - 6 Sec
Calibration Internal Calibration Tare Range Full Operating Temperature
15° C to 30 °C
Humidity 50 - 70% RH
Warm up time 30 min.
Unit mg, g,ct, ozt, oz, GN, dwt, lb
Key Sound Yes
Weighing Chamber Height 210mm
Baud rate 1200, 2400, 4800, 9600
Class I
Interface RS232C
Data Output Mode Command and continuous Output Power Supply AC
220V / 50-60 Hz
Dimension (LxWxH) 220 x 360 x 345mm

Item No– 02.04

Name of the item – pH meter

Quantity – 01

Name of the Dept. – Biotechnology

Specification –

Parameter: pH; ORP
Ready-to-measure kit
pH measuring range: -2 – 16
pH resolution: 0.01; 0.1
pH accuracy (±):0.01
mV measuring range: 0
mV resolution: 1
mV accuracy (±):1
Temperature Range: -5 °C – 105 °C
Temperature Resolution: 0.1 °C
Temperature accuracy (±):0.3 °C
Memory: 200 measurements

Item No– 02.05

Name of the item – Laminar Airflow

Quantity – 01

Name of the Dept. – Biotechnology

Specification –

SIZE OF THE WORKING TABLE: 4 X 2 X 2 FT.
Horizontal Laminar Air Flow
Microprocessor based switches and speed control.
CONSTRUCTION: Anti-microbial powder coated (60 to 80 μ) galvanized
iron sheet with epoxy polyester thermosetting sheet.
SIDE GLASS: 6 mm float glass encased in stainless steel channels

TABLE TOP: 1.2mm stainless steel 304 sheet.
FROTN DOOR: Frameless gas spring loaded swinging type made of polycarbonate 6mm thickness.
MOTOR BLOWER ASSEMBLY: variable speed motor mounted on PU coated FRP blower with aluminium powder coated impellers.
CLEANLESS CLASS: ISO Standard 14644.1 Class 5(class 100)
VELOCITY: 100 FPM at 6" from face of the filter.
NOISE LEVEL: 60 db at 1 meter from face of the equipment along with anti vibrator.
PRESSURE GAUGE : Digital Minihelic gauge for monitoring the condition of all HEPA filters as well as work space with audio visual alarm.
WEELS AND LEVELLING LUGS: PU solid wheels with S.S. 304 brackets and 304 S.S. lugs.
DESIGN CLASSIFICATION: Angle front slope of 10° to reduce operator fatigue while working, as per IEST RP CC002.2.
STAGE FILTRATION:
I) Pre-filter-10µm with efficiency of 90% washable HDPE media PU coated with 304 S.S. frame.
II) Mini Pleat HEPA filter of 0.3 micron with an efficiency of 99.995% (anti-microbial treated media)
Fluorescence Light : 36 watt 2 nos.
UV Light : 3 feet length 30 watt I no
Work Area Dimension : 1180 x 610 x 572 mm
External dimension : 1315 x 780 x 1440 mm
Power supply: 230 Volt, 50 Hz, single phase.

Item No– 02.06

Name of the item – Shaker with bath

Quantity – 01

Name of the Dept. – Biotechnology

Specification –

Inner Chamber: Stainless-Steel
Outer Chamber: MS Powder Coated
Lid : SS Dome Type
Speed: 40-180 rpm
Temperature: Ambient to 100°C
Capacity: 15-20 Liters
Displacement: 25mm
Control: PID with Display
Drain Valve: Yes
Power Supply 230V;50 Hz, AC Supply
Should be supplied with shaking platform with diff. size of clamps for holding the flasks

Item No– 02.07**Name of the item** – Vortex mixture**Quantity** – 01**Name of the Dept.** – Biotechnology**Specification** –

Unit dimensions: 178 x 141 x 148mm

Speed: 0-2500 rpm

Motor Type: Shaded-Pole Motor

Run Type: Continuous / touch operation

Power (W): 32

Item No– 02.08**Name of the item** – Power packs for Agarose gel**Quantity** – 01**Name of the Dept.** – Biotechnology**Specification** –

Power Supply includes power cord instruction, 220/240V

Volts : 10 - 300 V

Current : 4 - 400 mA

Power : 75 W (Max)

Type of Output : Constant Voltage, constant current Output terminals : 4 pair in parallel.

Timer : 1 - 999 min

Display : 3 digit LED

Operating condition : 0-40 deg C, 0- 95% humidity.

Safety Features:

No-load detection;

Sudden load change detection;

Over-load / short-circuit detection;

Overload protection

Item No– 02.09**Name of the item** – Lypholizer (Freeze Dryer)**Quantity** – 01**Name of the Dept.** – Biotechnology**Specification** –

These units are made of Mild Steel outer duly powder coated. Testing chambers are made of thick Stainless Steel. Temperature up to -40°C is controlled by Dual Display Microprocessor PID Digital Temperature Indicator cum Controller. The unit is fitted with hermetically sealed eco-friendly LOW temperature compressor. Vacuum indicator is also provided on the panel. It also has a secondary chamber Capacity : 3.25 Ltr 6 tests

Item No– 02.10**Name of the item** – UV-Visible Spectrophotometer

Quantity – 01

Name of the Dept. – Biotechnology

Specification – Advanced Single Beam Microprocessor with Operating software

Spectral Bandwidth :- 1.nm

Wavelength Accuracy :- .+/-1nm

Wavelength Repeatability :- .+/-0.5nm

PhotometricMode :-- Abs.%T,Concentration,Multi-standard & k factor.

Aberration Range- +/3

Photometric Accuracy :-- .+/-0.005Abs at 1.0Abs

Light Source :- Tungsten-Halogen Lamp & Deuterium lamp

Display :- PC Monitor

Operating Mode :- Single Multi-Wavelength,Scan& Time Scan

Power Requirements-230v

Includes: 1- Branded PC (HP/Dell/Lenovo) with accessories, software and branded Laser Printer and two extra pair of quartz cuvette with holder

Item No– 03.01

Name of the item – Digital Weight machine (Wensar) Model No. PGB – 600

Quantity – 01

Name of the Dept. – Botany

Specification – Weight required mm to 260g for Chemicals, Soil & Plant Sample measurement

Item No– 03.02

Name of the item – Digital Conductivity meter (Systronics) Model No. SYSTRONIC - 304

Quantity – 01

Name of the Dept. – Botany

Specification – Digital Conductivity meter (Systronics) Model No. SYSTRONIC - 304

Item No– 03.03

Name of the item – Digital pH meter (Systronics) Model No. SYSTRONIC – 361

Quantity – 02

Name of the Dept. – Botany

Specification – Digital pH meter (Systronics) Model No. SYSTRONIC – 361

Item No– 03.04

Name of the item – Autoclave (Sisco India) 54L Storage 10-20 Psi Fully Automatic Vertical Autoclave

Quantity – 01

Name of the Dept. – Botany

Specification – Autoclave (Sisco India) 54L Storage 10-20 Psi Fully Automatic Vertical Autoclave

For sterilization of glassware, media, infected materials

Item No– 03.05



Name of the item – Cold Centrifuge machine, Remi make, CPR-24 capacity: 24X1.5, 12X15 Rotor

Quantity – 01

Name of the Dept. – Botany

Specification – Cold Centrifuge machine, Remi make, CPR-24 capacity: 24X1.5, 12X15 Rotor

For Biochemistry and molecular analysis

Item No– 03.06

Name of the item – Laboratory stool

Quantity – 60

Name of the Dept. – Botany

Specification – Laboratory stool, For laboratory

Item No– 03.07

Name of the item – Gel electrophoresis apparatus (Biorad fully automatic vertical unit)

Quantity – 01

Name of the Dept. – Botany

Specification – Gel electrophoresis apparatus (Biorad fully automatic vertical unit, Bimolecular analysis

Item No– 03.08

Name of the item – Electric Electrophoresis Power Supply

Quantity – 01

Name of the Dept. – Botany

Specification – Electric Electrophoresis Power Supply, Bimolecular analysis

Item No– 03.09

Name of the item – Monocular Microscope (Magnus)

Quantity – 06

Name of the Dept. – Botany

Specification – Monocular Microscope (Magnus), Measurement and slide show.

Item No– 03.10

Name of the item – UV-Visible Single Beam Spectrophotometer

Quantity – 01

Name of the Dept. – Botany

Specification – UV-Visible Single Beam Spectrophotometer,
Wavelength measurement in biochemistry practical

Item No– 03.11

Name of the item – Soxhlet Apparatus 100 ml (Borosil)

Quantity – 02

Name of the Dept. – Botany

Specification – Soxhlet Apparatus 100 ml (Borosil), Extraction purpose.

Item No– 04.01

Name of the item – Online UPS with Battery and Stand

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

Online UPS: 3 KV

Battery: 12 volt, 42 Ah (Exide make)

No. of Battery: 16

Battery Stand, cable

Item No– 04.02

Name of the item – Bench Top Orbital Shaking Incubator

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Shaking speed range: 20-300 rpm
- ii. Amplitude: 20 mm
- iii. Temperature range: 4-50 °C
- iv. Display resolution: 0.1 °C
- v. Timer Range: 1 hour – 99 hour
- vi. Platform Size (in mm) : 450 x 450
- vii. Load in Tray \leq 10 kg
- viii. Maximum shaking Capacity (No.of flasks x volume):
4 x 2000 mL, 8 x 1000 mL, 11 x 500 mL,
12 x 250 mL, 28 x 100 mL, 42 x 50 mL
- IX. Operated with 220-240 Volts, 50 Hz and single phase

Item No– 04.03

Name of the item – Microprocessor Melting Point Apparatus

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. No. of Sample: One sample at a time
4Temperature Range: Ambient to 300 °C
- ii. Temperature Accuracy: +/- 1 °C at 200 °C and +/- 2.5 °C at 275 °C
- iii. Temperature Sensor: Platinum Resistance PT100
- iv. Selectable heating modes: Slow, medium and rapid
- v. Display: Graphical LCD Display
- vi. No. of Keys: 04

- vii. Power: 230 V AC, 50 Hz
- viii. Quick cooling with integrated fans
- ix. Audio and Visual Indicator for System Status

Item No- 04.04

Name of the item – Chiller

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Tank capacity: 5 L
- ii. Tank size (L x W x D) in mm: 325 x 176 x 150
- iii. Cooling capacity: 175 W
- iv. Pump flow rate: 12.5 LPM
- v. Display: LED
- vi. Temperature stability: ± 1.0 °C
- vii. Temperature range: -10 °C to ambient

Item No- 04.05

Name of the item – Ultrasonic cleaner Bath

Quantity – 02

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Capacity: 2.5 Lt
- ii. Working temp Range- Ambient +5⁰C to 80⁰C
- iii. Frequency- 40kHz,
- iv. Time setting- 1-99min,
- v. interior dimension (L x B x H)-150x140x110mm,
- vi. Ultrasonic power-50W
- vii. Heater Power- 100W

Item No- 04.06

Name of the item – Multiposition Magnetic Hot plate Stirrer

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Stirring Position-5
- ii. Max temp Range-120⁰C
- iii. Max Capacity- 5x250ml
- iv. Maximum Speed- 1500rpm
- v. Time- 1-999min
- vi. Motor type- BLDC
- vii. Pulse mode-Yes
- viii. Display-Digital
- ix. Plate type- Stainless steel with silicone sheet

- x. power- 450W
- xi. Magnetic bar- 25mm
- xii. Plate Dimension- 565mmx136mm
- xiii. Protection class- IP42

Item No– 04.07

Name of the item – Chiller

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Tank capacity: 7.5 L
- ii. Tank size (L x W x D) in mm: 325 x 176 x 150
- iii. Cooling capacity: 500 W
- iv. Pump flow rate: 12.5 LPM
- v. LED Display
- vi. Temperature stability: ± 1.0 °C
- vii. Temperature range: -10 °C to 100 °C

Item No– 04.08

Name of the item – Temperature controlled Heating and stirring Mantle

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Flask Capacity- 1000ml
- ii. working temp Range- Ambient +5⁰C to 350⁰C
- iii. Temp Accuracy- 1⁰C
- iv. Stirring Speed- 300 to 2200rpm
- v. Power- 200W
- vi. Display-LED type
- vii. Stage wise heating Mode-Yes
- viii. External Temp probe- PT 100

Item No– 04.09

Name of the item – Hot Air Chamber (Hydrothermal Material Synthesis Work)

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Forced-air convection with a noise less adjustable fan speed which ensures good mixing and strong dispersion (Imported fan)
- ii. Single door opens to 180"and features double rack door handle
- iii. Corrosion-resistant incoloy sheath heater and stainless-steel interior

- iv. Adjustable two side ventilation slides to control inner air vapor circulation
- v. Chamber volume:355x355x355 mm³.
- vi. Temperature Range: From RT to250°C,
- vii. Temperature Fluctuation ±2°C,
- viii. Inner chamber:AISI gr. Steel Body(martensitic and ferritic steels have lower resistance to oxidation and Temperature sustainability upto 800⁰C and yield Stress upto 210MPa),lower thermal diffusivity,
- ix. Outer body:. Mild steel body epoxy powder coated, Insulation alumina 65gr. Wool,
- x. Exterior Dimensions:600mmx600mmx600mm(H) (approx.)

Item No– 04.10

Name of the item – Hydro Thermal Auto Clave

Quantity – 03

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Cap. 50ml
- ii. MOC:SS 316
Teflon Beaker with cap(temp. sustainiability 200⁰C)

Item No– 04.11

Name of the item – Molpro Software License

Quantity – 01

Name of the Dept. – Chemistry

Specification – Molpro Software License

Item No– 04.12

Name of the item – Vacuum Oven

Quantity – 01

Name of the Dept. – Chemistry

Specification –

Specifications:

- i. Temperature Range: 37 – 200 °C
- ii. Temperature Stability: +/- 1 °C
- iii. Vacuum Degree: 133Pa
- iv. Chamber Material: Stainless Steel
- v. Aluminium Shelves: 2
- vi. Power Consumption: 1450 watt
- vii. Inner Dimension (Wx D x H) (mm): 415 x 370 x 345
- viii. Exterior Dimension (Wx D x H) (mm): 730 x 560 x 550
- ix. Working Voltage: 220 V, 50 Hz, Single phase

Item No– 05.01

Name of the item – Sound System for Smart Class Room

Quantity – 01



Name of the Dept. – Computer Application

Specification – Sound System for Smart Class Room:

Sl.No	Name of the Item	Make/Model	Quantity
1.	Goose neck microphone along with base	Ahuja GM 615	01
2.	Lectern	WSL 2500 R	01
3.	PA Column Speaker	ASC 320T	06
4.	Mixer Amplifier	SSA-250DP	01
5.	Cordless Mic Set (one lapel and one handheld)	StidioMaster XR40HL	
6.	Installation, Fixing, Wiring, Cabling with casing in a 30x30 ft room		1 job

Item No- 06.02

Name of the item – AC

Quantity – 06

Name of the Dept. – Computer Application

Specification – 2 Ton 3 star split Inverter AC, Copper Condenser, along with Stabilizer and Installation.

Item No- 06.03

Name of the item – RAM

Quantity – 150

Name of the Dept. – Computer Application

Specification – 4 GB (1x4GB) 1600 MHz DDR3 Non-ECC Desktop Memory for Dell Optiplex 9020.

Item No- 06.04

Name of the item – SSD

Quantity – 50

Name of the Dept. – Computer Application

Specification – 512GB SATA III 6Gbps/s SSD Drive with Connecting Cables

Item No- 06.01

Name of the item – Desktop

Quantity – 08

Name of the Dept. – Computer Science

Specification –

Operating System - Windows 11 Professional

Processor Name – Intel® Core™ i5-12400T (up to 4.2 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 6 cores, 12 threads)

Processor Family - 12th Generation Intel® Core™ i5 processor

Chipset - Intel® ADL H670 Memory

Memory - 8 GB DDR4-3200 MHz RAM (1 x 8 GB)

Hard Drive Description - 256 GB PCIe® NVMe™ M.2 SSD

Hard Drive (2nd) - 1 TB 7200 rpm SATA HDD

Graphics -Intel® UHD Graphics 73 Expansion Features

Ports - 4 Super Speed USB Type-A 5Gbps signaling rate; 1 headphone/microphone combo

Wireless - Realtek RTL8821CE-M 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 combo

Power and Operating Requirements

Pre-Installed Software - Microsoft Office Home and Student (Lifetime)

Item No– 06.02

Name of the item – 2U Rack server

Quantity – 01

Name of the Dept. – Computer Science

Specification –

DELL/HP) model PowerEdge R550, 20” LED Monitor for server, Optical USB Scroll Mouse with Keyboard for server, 24” Gigabit Ethernet switch, 24” Gigabit CAT6 Patch panel, 3 Mtr CAT6 UTP Patch cord, CAT6 UTP cable 305 Mtr, 5 KV A Online UPS with 4 hours battery backup, 16 AH SMF battery for UPS.

Item No– 06.03

Name of the item – Raspberry Pi 4 (8 GB RAM Starter kit): For IoT subject/Lab

Quantity – 10

Name of the Dept. – Computer Science

Specification – Raspberry Pi 4 (8 GB RAM Starter kit): For IoT subject/Lab

Item No– 06.04

Name of the item – Computer Hardware

Quantity – 05 each

Name of the Dept. – Computer Science

Specification –

(i)Arduino UNO R3 board, (ii)Lilypad Arduino, (iii)RedBoard, (iv)Arduino Mega(R3), (v)Arduino Leonardo: For IoT subject/Lab

Item No– 06.05

Name of the item – Air Conditioner

Quantity – 02

Name of the Dept. – Computer Science

Specification – 2Ton Air Conditioner, with all Specification.

Item No– 07.01

Name of the item – Desktop

Quantity – 07

Name of the Dept. – Economics

Specification – (i5, 8GB RAM, 500 GB SSD, Windows 11 with MS Office and Three years warranty)

Item No– 07.02

Name of the item – Software

Quantity – 01 each

Name of the Dept. – Economics

Specification – Statistical Software: (01) i. Eviews, ii. SPSS & iii. STATA

Item No– 07.03

Name of the item – Video Conferencing Camera

Quantity – 01

Name of the Dept. – Economics

Specification –

- ❖ Video conferencing PTZ Camera 10x optical zoom f= 4.7-47mm, Make – EKIN, Model – 1100UP (01)
- ❖ Multi Media Speaker Phone, Model – 4310U, Make – EKIN
- ❖ OPS System for interactive panel : intel core i5/8GB RAM/256 FlosH memory (SSD) with power management software, Make – EKIN
- ❖ Testing Installation, Demonstration

Item No– 08.01

Name of the item – Field kit for water analysis

Quantity – 01

Name of the Dept. – Geology

Specification –

Micro controller Based, Measures pH; mV / ORP; Conductivity / TDS; Salinity; Dissolved Oxygen; Temperature; Colorimeter; Turbidity.

Item No– 08.02

Name of the item – Electronic Weighing Balance

Quantity – 01

Name of the Dept. – Geology

Specification – Up to 3 decimal accuracy; Sensitivity 0.001 gm

Item No– 08.03

Name of the item – UV-VIS Spectrophotometer

Quantity – 01

Name of the Dept. – Geology

Specification –

Microprocessor based UV-VIS Spectrophotometer with high resolution touchscreen display, for operation on 220V / 50Hz.

- Stand-alone operation as well as complete control through PC with PC software supplied as standard.

- True double beam optics with aberration corrected concave blazed holographic grating in Czerny – Turner mounting for high energy throughput and high-quality monochromatic light.
- Wide wavelength range of 1,100 nm to 190 nm
- High resolution 1 nm spectral bandwidth over entire wavelength range
- Wavelength setting and display in steps of 0.1nm
- Wavelength accuracy of ± 0.1 nm for D₂ spectral line
- Wavelength repeatability of ± 0.1 nm
- Wavelength Slew rate: approx. 29,000 nm/min
- Variable wavelength scanning speed:
 - ≥ 3,000 nm/min to 2 nm/min
 - 29,000 nm/min when survey scanning
- Ultra-low stray light of <0.02%T at 220nm with NaI filter
- Wide Photometric range of -4 to +4 Abs and 0 to 400 %T
- High Photometric Accuracy of ± 0.002 Abs at 0.5 Abs
- High Photometric Repeatability of Less than ± 0.0002 Abs at 0.5 Abs
- Baseline stability: < 0.0003 Abs/Hr (700 nm, one hour after light source turned ON)
- Baseline flatness: < ± 0.0006 Abs (1100 to 190 nm, one hour after light source turned ON)
- Ultra-low Photometric noise of < 0.00005 Abs (700 nm)
- Availability of dual source – high intensity Tungsten-Halogen and Deuterium lamp with automatic changeover
- High sensitivity matched pair Silicon Photodiode detector
- At least 4 USB ports or more for high-speed PC and printer connectivity, data storage and transfer through USB pen drive
- Compliance with all Pharmacopoeia requirements
- Built in validation program, diagnostic and security functions.
- The instrument should provide network access via wireless connectivity. Data can be transferred to a PC via a network.
- The instrument should have provision for Bar code reader and key board entry function: sample names and numerical values can be entered by a bar-code reader or from the keyboard.
- The instrument should have Sleep mode and wake up function: Analysis starts the instant user arrives at the laboratory. Instrument should require no time to warm up.
- All operational modes as standard – Photometric; Spectrum; Quantitation; Kinetics, Time Scan, DNA and Protein Quantitation in standalone and PC mode. Additionally Multi-Component measurement available in stand-alone mode.
- Large sample compartment compatible with wide range of accessories.
- Must supply two pair of 10mm path length Quartz Cuvettes of 3.5 ml volume as a standard supply.
- 36 months warranty from the date of installation

Item No– 08.04

Name of the item – Flame Photometer

Quantity – 01

Name of the Dept. – Geology



Specification –

- Microcontroller controlled automation for operation.
- Determination up to four elements with single aspiration (Na, K, Li, and Ca).
- Availability of up to five-point calibration.
- Storage and retrieval of frequently used measurement setups.
- Availability of facility for re-standardization with single standard.
- Data processing with linear mode or quadratic curve fitting.
- Capability to recall and display results of earlier measurements taken.
- Adequate alphanumeric LCD readout for user interfaces.
- Built-in real time clock for date and time of analysis.
- Availability of printer port along with compatible printer to get hard copy of results.
- Printout facility for individual sample, batch samples in the memory.
- Air compressor with built-in air regulator and air filter.

Item No– 08.05

Name of the item – Complete volumetric titration set up

Quantity – 01

Name of the Dept. – Geology

Specification –

- Double Distillation Unit 2.5ltr/ hr (Borosil)
- Simple Rotary vacuum pump (10^{-2} – 10^{-4} mb) with complete set up for water filtration *2 Units
- Volumetric Flask 1000ml (Borosil) *5 Units
- Volumetric Flask 500ml (Borosil) *5 Units
- Volumetric Flask 250ml (Borosil) *5 Units
- Measuring Flask 250ml (Borosil) *5 Units
- Measuring Flask 500ml (Borosil) *5 Units
- Measuring Flask 1000ml (Borosil) *5 Units
- MeasuringCylinder10ml (Borosil) *5 Units
- MeasuringCylinder20ml (Borosil) *5 Units
- MeasuringCylinder50ml (Borosil) *5 Units
- MeasuringCylinder100ml (Borosil) *5 Units
- MeasuringCylinder500ml (Borosil) *5 Units
- MeasuringCylinder1000ml (Borosil) *5 Units
- Beaker 50ml (Borosil) *5 Units
- Beaker 100ml (Borosil) *5 Units
- Beaker 500ml (Borosil) *5 Units
- Beaker 1000ml (Borosil) *5 Units
- Beaker 2000ml (Borosil) *5 Units
- Volumetric Pipette 10ml (Borosil) *5 Units
- Volumetric Pipette 50ml (Borosil) *5 Units
- Volumetric Pipette 100ml (Borosil) *5 Units
- Pipette Bulb*15 Units



- Burette 50ml (Borosil) *5 Units
- Burette 100ml (Borosil) *5 Units
- Burette Stand*5 Units
- Filter Paper, Whatman, 0.45 μm *10 Packets
- Glass Stirrer*5 Units
- Wash Bottle 500ml (Plastic) *5 Units
- Glass Funnel 3" (Borosil) *5 Units
- Porocelin Tile (White, size- 6"x6") *5 Units
- Reagent Bottle 500ml (Borosil)*5 units
- Reagent Bottle 1000ml (Borosil)*5 units
- Narrow mouth bottle 500 ml LDPE pkt. of (45-50)*5 Units
- Wide mouth bottle 500 ml LDPE, pkt. of (40-50)*5 Units
- Hot plate with magnetic Stirrer and Magnetic Beads

Item No– 09.01

Name of the item – Desktop with UPS

Quantity – 01

Name of the Dept. – Material Science

Specification – Intel Core i5, Ram – 8 GB, 500GB SSD, MS Office, Quickheal Anti-Virus.

Item No– 09.02

Name of the item – Multi-Function Printer

Quantity – 01

Name of the Dept. – Material Science

Specification –

High-speed function printer and scanner
Canon printer

Model No – Imageclass – MF445dw

Item No– 09.03

Name of the item – Electrochemical workstation (Potentiostat-Galvanostat)

Quantity – 01

Name of the Dept. – Material Science

Specification –

- No of channel – 01
- Interface – USB
- Measured Current/Potential resolution – 0.0033% full scale/bit
- Applied potential resolution – 150 micro V or better
- IMP Amplitude range – 0.00001 V – 0.7 V RMS
- Electrode Configuration, Terminals – 05
- Potentionstar rise time – 400ns or better
- Reference electrode input impedance - > 10 TOhm
- Current Range – 100nA – 1A or better
- Compliance Voltage - +/- 12 V or better
- Scan rate – 10 micro V / s to 10000 V/s or better 0.1 mV/s



- Potentionstar bandwidth – 10Mhz or better
- Referance electrode input bias current resolution –Less then or equal to 1pA or betetr
- Applied current resolution - 0.030% of current range
- Maximum Current - +/- 1A
- Bandwidth of electrometer – 10MHz or better
- IMP frequency range – 10uHZ to 1MHz
- Maximum potential - +/- 10V or better

Item No– 09.04

Name of the item – PROBE TYPE SONICATOR

Quantity – 01

Name of the Dept. – Material Science

Specification –

SPECIFICATION:

Ultrasonic Power : 125 OR 250 OR 500 OR 750W Ultrasonic frequency :20 + 2 HKz Processor Controller :Micro processor based programmable Timer with Two Digit LED Display is provided for selecting ON time, OFF time and Total time of processing operation in Probe Tips :Detachable type made of Titanium grade.

InPut Power Supply 230V AC

Ultrasonic Power: 750W, 1000W

Probe Dia: 25 mm & 28 mm

Timer 9 settable program Capacity, 25 mm Probe : 100 ml to 1500ml

Accessories Std. Ultrasonic Horn & Platform for sample Holder

Item No– 09.05

Name of the item – Water Analyzer

Quantity – 01

Name of the Dept. – Material Science

Specification – Micro controller Based, Measures pH; mV / ORP; Conductivity / TDS; Salinity; Dissolved Oxygen; Temperature; Colorimeter; Turbidity.

Item No– 09.06

Name of the item – HDPE Bottles

Quantity – 01

Name of the Dept. – Material Science

Specification – (5 Pkts. each wide and narrow mouth)

Item No– 09.07

Name of the item – Vacuum drying oven

Quantity – 01

Name of the Dept. – Material Science

Specification –

Specifications:

- Capacity: 50 Litres

- Temperature Range : RT + 10C to 250C
- Display Resolution : 0.1C
- Temperature Stability : 1C
- Vacuum Degree : -760 mm Hg
- Chamber Material : Stainless steel
- Power Consumption : 1450W

Item No– 09.08

Name of the item – Doctor blade coating machine Specification

Quantity – 01

Name of the Dept. – Material Science

Specification – Adjustable Doctor blade with 100mm Width and 0-100micron coating height, ideal for coating chemical slurry and paint

Item No– 10.01

Name of the item – Faraday Effect Apparatus (HOLMARC HO-ED-P-04)

Quantity – 01

Name of the Dept. – Physics

Specification –

Related Topic: Electromagnetism, Electromagnetic field interaction, Polarization, Faraday Law & Verdet constant.

-Optical Rail: Length-1000mm. Material: Black anodized Aluminium Alloy.

-Kinematic Laser Mount: Material: Black anodized Aluminium Alloy, Adjustment: 80 tpi lead screws, Adjustment Range: $\pm 4^\circ$

-Polarizer Rotator with Mount: Material: Sheet Polarizer.
Rotation: 360° & Resolution: 1° .

-Polarizer with Precision Rotation: Material: Sheet Polarizer, Rotation: 360° & Fine Resolution: 15° , Resolution: 0.1° .

-Detector Mount with X - Translation: Resolution: 0.01mm.

-Electromagnet with Mount: Winding material: Copper.

-Glass Rod Specimen: Material: SF-10, Length 10cm.

-Constant Current Power supply: Input 230V 50Hz. Output Current: 0-4 Amps.

-Diode Laser with Power supply (Red): Wave Length: 650nm

-Diode Laser with Power supply (Green): Wave Length: 650nm, Optical Power: 5mW.

-Detector Output Measurement Unit: Sensor Type: Photo Transistor. Display: 7Segment-3½ digit, Range: 0-199mill/ micro Amps

Item No– 10.02

Name of the item – Michelson interferometer (HOLMARC HO-ED-INT-06)

Quantity – 01

Name of the Dept. – Physics

Specification –

Michelson interferometer :

Features:

The instrument uses laser diode as light source
Precision kinematic mounts for optical components

The optics used in this device are of research quality

The assembling and alignments are easy, can assemble individually

- **Optical Bread board with Support:**
Dimensions: 800mmX 600mm, Material: Stainless Steel.
- **Kinematic LED Mount :**
Material: Black anodized Aluminum alloy
Adjustments: Using 80 tpi lead screws
Adjustment Range: +/-4 degrees
- **Beam splitter Mount:**
Degrees of Freedom: 2 Degrees
Material: Black anodized Aluminum alloy
- **Rotation Stage: Resolution: 2°/Division.**
Material: Black anodized Aluminum alloy
- **Diode Laser with Power supply (Red)** Wave length: 650 nm, Optical power: 5 mW
- **Diode Laser with Power supply (Green)** Wave length: 532 nm, Optical power: 5 mW

Item No– 10.03

Name of the item – Hysteresis Loop Tracer to find coercivity, retentivity, loss, Saturation.
(Sciencetech/Nvis/AE/Labinco)

Quantity – 01

Name of the Dept. – Physics

Specification –

Solenoid coil

>Diameter of pickup coil : 3.21 mm

>Measurement unit that contains:-

- 1.Variable magnetic field
- 2.Display of magnetic field in gauss

>Iron sample, Length : 39 mm each,Diameter : 1.2 mm

1.Nickel

2.Hard steel

3.Soft iron

> Product Tutorial

Item No– 10.04

Name of the item – Magnetic Susceptibility – Gouy's Method (HOLMARC HO-ED-EM-08)

Quantity – 01

Name of the Dept. – Physics

Specification –

Magnetic Susceptibility – Gouy's Method

Experiment Examples:

- Calibration of the magnetic field
- Measurement of Magnetic Susceptibility of paramagnetic solid samples

- **Electro Magnet:** Max: 1 tesla(at magnetic 10mm pole space).

- **Constant Current Power supply:** Output Current: 0-3.5A

- **Digital Gauss Meter:** Range: 0-20K Gauss.

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- **Travelling Microscope:** Magnification: 10X, Micrometer Travel: 25mm.
Least Count: 0.01mm.
- **Gouy's Balance**
Specimen Holder with mount.

Item No– 10.05

Name of the item – Study of Polarisation by Wave plate. (HOLMARC HO-ED-P-07.)

Quantity – 01

Name of the Dept. – Physics

Specification –

-Polarizer with mount: Material: Sheet Polarizer.

Rotation: 360°

Analyzer with mount: Material: Sheet Polarizer.

Rotation: 360°

Half wave & quarter wave plates with mount: Material: Quartz Crystal, Diameter

Tolerance: $\pm 0.2\text{mm}$, Surface Flatness: $\lambda / 4 @ 632.8\text{nm}$.

Diode laser with power supply: Wave Length: 650nm

Optical Power: 3mW.

Detector with output measurement unit: Sensor Type: Photo Transistor, Display:

7Segment-3½ digit

Item No– 10.06

Name of the item – Function generator (Salicon Model: AN ISO 9001-2008)

Quantity – 01

Name of the Dept. – Physics

Specification –

Signal: Sine wave, Square wave, Triangle wave

Display: 6 digit LED display

Frequency range: 0.1Hz to 5MHz,

Output voltage: 20Vp-p

Distortion: <1%

Item No– 10.07

Name of the item – Mechanical rotary pump (Edwards, Model: RV12)

Quantity – 01

Name of the Dept. – Physics

Specification – Voltage: 230 V, Frequency: 50 Hz

Item No– 10.08

Name of the item – Electronic Balance (MettlerToledo Model- ME 104,)

Quantity – 01

Name of the Dept. – Physics

Specification – Weighing capacity: minimum 100 gm, Resolution: 0.1 mg

Item No– 10.09

Name of the item – Analytical Balance (WENSAR ISO Model: MAB301)

Quantity – 01

Name of the Dept. – Physics

Specification –

Readability- 0.0001g (0.1mg), Repeatability(±) -0.0001g, Min. Capacity- 0.01g(10mg), Response Time: 4-6 Sec, Operating Temperature- 15⁰C to 30⁰C, Humidity 50-70% RH, warm up time- 30min, Weighing Chamber Height- 210mm, Power Supply- AC 220V/50-60 Hz, Dimension(L × W × H)-220 × 360 × 345 mm
Main instrument, SS PAN Set, Power Cable, Dust Cover

Item No– 11.01

Name of the item – LED Projector for classroom (02)

Quantity – 02

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Brand BenQ, Manufacturer BenQ, BenQ Corporation 16 Jihu Road, Neihu 114, Taipei, Taiwan
Model EX800ST, Model Name EX800ST, Product Dimensions 25 x 29.6 x 12 cm; 2.7 Kilograms, Item model number EX800ST; Hardware Interface VGA, HDMI, USB 2.0 Type A, USB 2.0 Type B; Resolution XGA; Special Features Speakers
Mounting Hardware Projector, Wireless Dongle, Power Cord, Remote Control with Battery, VGA Cable, Quick Start Guide; Number of items 1
Remote Control Description IR; Display Technology DLP; Display Type DLP
Image brightness 3300; Image contrast ratio 20000:1
Aspect Ratio 4:3; Screen Resolution 1024 x 768
Resolution 1024 x 768 Pixels; Noise Level 33 dB
Voltage 230 Volts; Wattage 280 Watts
Power Source Corded Electric
Batteries Required No; Refresh Rate 60 Hz
Total USB ports 3; Connector Type VGA, USB, HDMI
Form Factor Portable
Mounting Type Tabletop Mount; Includes remote Yes
Manufacturer BenQ; Country of Origin Taiwan; Item Weight 2 kg 700 g

Item No– 11.02

Name of the item – Horizontal Electrophoresis system with, Power Supply, Power pack supply
Model: bio-12-03; make: bioworld

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Technical Specification:

Material: Acrylic

Inner Dimensions: 27x`16x8cm

Buffer Capacity: 600ml

Sample Capacity: 26

Gel Size: 13x13cm

Gel Running Tray: 1 No

Combs: 8Well – 4 No

Gel Casting Tray: 1 No
Platinum Electrode: 1 Set – Fixed
Connecting Cord: 1 Pair
Material: MS Power Coated
Inner Dimensions: 25x27x12cm
Display: LED
Output Voltage: 0-300V Increment by 1V
Output Current: 0-300mA Increment by 1Ma
Output Terminal: 3 Output
Timer: 0-9.59 Hours
Power Cord: Yes
Input Rating: 200-260 Vac/50hz:

Item No– 11.03

Name of the item – -20° C FREEZER; MODEL: BFS 250; MAKE: CELFROST

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Technical Specification:

Capacity: 250ltr

Width : 24 inch

Depth: 27 inch

Height: 58 inch

Wheel: Adjustable feet

Lock: Yes

Energy Consumption: 120 watts

Refrigerant: R134 a

Temperature range: -18 degree

No. of Basket/ Shelves: 8

No. of Doors: 1

Warranty: 1 Year

1 KVA Voltage stabilizer

Item No– 11.04

Name of the item – Garmin eTrex 32x Rugged Handheld GPS Navigator

Quantity – 03

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Display Size 3.5 Centimetres; Battery Life 25 Hours; Voice command Buttons
Product Dimensions 5.4 x 10.3 x 3.3 cm; 142 Grams; Batteries 1 Lithium Polymer batteries
required.; Item model number 010-02257-01; Country of Origin China; Item Weight 142 g

Item No– 11.05

Name of the item – ZOOM STEREO BINOCULAT MICROSCOPE

Quantity – 05

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Technical Specification:

Body: Aluminum –cast body,45° binocular observation head ,360° rotatable interpupillary distance 55-75 mm

Focusing: Rack and pinion focusing sytem.Image remains clear,sharp and accurate throughout the whole zoom range.

Objective: 0.7 x-4.5x

Magnification; 0.7x -4.5 xs (capable to add auxiliary lens)

Eyepiece: high eye point WF 10x /20mm (paired)

Adopters: Adjustable from +6 to 6 on both sides

Working distance: 95mm

Illumination: 6 V, 20W halogen bulb for both incident and sub stage transmitted light.

Item No– 11.06

Name of the item – Digital BOD Incubator

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Technical Specification:

Double walled construction.

Inner made of stainless steel Outer chamber made of mild steel powder coated.

Outer double wall door is provided with magnetic gasket and lock & key arrangement

Inner door unbreakable acrylic transparent sheet for in section of material in the chamber without disturbing the temp.

Door operated inner illumination has been provided Standard cooling unit with sealed compressor.

Heating arrangement has been made within the chamber for higher temp. Working.

A control panel is provided with various indicators, on-off switch, supplied with cord and plug etc.

Temp. Is controlled by microprocessor based digital temp.

Controller cum indicator with digital display. Cooling: CFC free

Copeland compressor Door alarm: High low temp. Alarm

Item No– 11.06

Name of the item – Digital BOD Incubator

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Technical Specification:

Double walled construction.

Inner made of stainless steel Outer chamber made of mild steel powder coated.

Outer double wall door is provided with magnetic gasket and lock & key arrangement
Inner door unbreakable acrylic transparent sheet for in section of material in the
chamber without disturbing the temp.

Door operated inner illumination has been provided Standard cooling unit with sealed
compressor.

Heating arrangement has been made within the chamber for higher temp. Working.

A control panel is provided with various indicators, on-off switch, supplied with cord
and plug etc.

Temp. Is controlled by microprocessor based digital temp.

Controller cum indicator with digital display. Cooling: CFC free

Copeland compressor Door alarm: High low temp. Alarm

Item No- 11.07

Name of the item – Digital pH Meter

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

pH range: 0-14 Ph, pH resolution: 0.01pH, pH Accuracy: ± 0.02 pH, Temperature
compensation: Automatic or Manual, Temp. Range: 0-100 deg C, mV range:
 ± 1999 mV, mV resolution: 1mV, mV Accuracy: ± 1 mV, Electrode: pH combination
electrode with built in temperature sensor – Plastic-EpHP02, Temp. Electrode: Built
in, pH, mV and temp. Measurement, 3 point ph calibration, automatic buffer
recognition, Buffers selectable from 1.68pH, 4.00pH, 4.01pH, 6.86pH, 7.00pH,
9.18pH, 9.20pH, 10.01pH and 12.45pH, Bi directional RS 232 interface. Baud rate
selectable from 1200, 2400, 4800 and 9600, Real time clock, Memory storage of
100pH measurements (Biolinkk/Contech)

Item No- 11.08

Name of the item – Conductivity Meters Automatic 0.1 Digital Conductivity Meter

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Technical Specification:

Measuring Parameter: Conductivity/ TDS

Highlights: Large LCD Display

Conductivity Range 0.01 to 200.0 mS/cm

Conductivity Resolution: 0.01 μ S; 0.1 μ S; 1 μ S; 0.01 mS; 0.1 mS *

Conductivity Accuracy: $\pm 1\%$ Full scale

Conductivity Calibration Points: Up to 5

Dimensions (LxWxH); Weight: 17.5 x 15.5 x 6.9 cm; 650 g

Standard Supply: Included, ultem body ECCONSEN9501D, cell constant 1.0, 1 m
cable

Temperature Range: 0.0 to 100.0 $^{\circ}$ C / 32.0 to 212.0 $^{\circ}$ F

Temperature Resolution: 0.1 $^{\circ}$ C / 0.1 $^{\circ}$ F

Temperature Accuracy: ± 0.5 $^{\circ}$ C / ± 0.9 $^{\circ}$ F

Temperature Compensation: ATC/MTC
TDS Range: 0.01 to 100 ppt @0.5 TDS factor (to 200 ppt @ 1.0 TDS factor)
TDS Resolution: 0.01 ppm; 0.1 ppm; 1 ppm; 0.01 ppt; 0.1 ppt #
TDS Accuracy: ±1% Full Scale + 1 digit
TDS Calibration Points: Up to 5

Item No- 11.09

Name of the item – UV TRANSILLUMINATOR WITH FACE SHIELD, MODEL: BIO 09-03 MAKE:BIOWORLD

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Material: MS Power Coated
Dimension: 33x23x12cm
UV Viewing Area: 20 x 20 cm
Imported Filter
Detection Limit 1ng
No. of tubes: 6
Wave length: 312 nm
Power cord and uv shield

Item No- 11.10

Name of the item – Binoculars

Quantity – 05

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Binoculars for Long Distance 10 x 60 HD, 10 x Zoom Binocular for Adults, Telescope with Pouch (Green); Brand OLYMPUS; Manufacturer Olympus, Olympus Corporation of Asia Pacific Ltd.; Model V501023BU000; Model Name V501023BU000

Product Dimensions 19.2 x 17.8 x 6.4 cm; 855 Grams; Item model number V501023BU000

Special Features Lightweight; Mounting Hardware Binocular
Number of items 1; Maximum magnification 10 x; Minimum magnification 10 x; Optical zoom 10 x; Batteries Included No; Batteries Required No; Material Plastic

Lens type Objective Lens; Mounting Type Tripod Mount; Actual viewing angle 6.5 Degrees; Manufacturer Olympus; Country of Origin China; Item

Weight 855 g

Item No- 11.11

Name of the item – Spectrophotometer(UV-Visible)

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Technical Specification:

PC Based

Automatic source optimisation & base line correction

200 – 1000 nm Range

1 nm Bandwidth

%T, Abs, Conc. (K factor, Multi standard up to 5) measuring modes

Single Wavelength, Multi Wavelength, Scan (with multi scan facility), Time Scan operating modes

Automatic 5 position sample changer

Single Position 50/100 mm Cuvette Holder

Optics: Single Beam

Grating 1200 lines/mm

Wavelength

Range: 200 to 1000nm

Resolution: 0.1nm

Accuracy: ± 0.5 nmRepeatability: ± 0.2 nm

Bandwidth: 1nm

Photometric:

Range: -0.3 to 2.5 Abs, 0 to 100% T

Accuracy: ± 0.005 Abs at 1ARepeatability: ± 0.002 Abs at 1A

Drift: 0.003 Abs/hr (After 1 hr. warmup at 500nm)

Stray light: Less than 0.1T at 220nm & 340nm

Measuring modes:

% Transmittance

Absorbance

Concentration (k-factor, multi standard up to 5)

Operating modes:

Single Wavelength

Multi wavelength

Scan (with multi scan facility)

Time scan

Source:

Tungsten Halogen Lamp (320 to 1000nm)

Deuterium Lamp (200 to 340nm)

Scan Speed: slow, Medium and fast**Detector:** Uv – enhanced wide range solid state Si-photodiode

Baseline correction: Automatic baseline correction

Baseline Flatness: ± 0.3 Abs/hr (After 40 minutes warm-ups)**Data processing:**

Peak Pick, Point pick, Valley pick

Zoom / Overlaying Spectra

1, 2, 3 & 4 Derivatives

Averaging two scan
Subtraction two scan
Spectrum store /Recall
Concentration of scan compared to base scans

Data Presentation:

Display of graphic and tabular data of computer, Monitor, permanent data storage on hard disk, Hard Copy of graphic and tabular data on printer.

Sample Holder: 5 position for 10mm cuvette(automatically)

Power: 230V±10%, 50 Hz

Dimension: 745(w) x 480 (d) x 200(h)

Weight: 24kg

Item No– 11.12

Name of the item – Leaf area meter (SYSTRONICS)

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Technical Specification:

Precision: ± 2%, Resolution: 0.01cm², Measuring length: ≤1000mm, Measuring width: ≤160mm, Thickness: ≤8mm, Data Capacity: ≥1000 groups, Test unit: Millimeter, Square, Centimeter, Function difference: without computer interface

Item No– 11.13

Name of the item – Digital Light Meter, Measuring Range Scale 0.1 - 19990 Lux

Quantity – 01

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Technical Specification:

Functions : MAX / MIN, Backlight, Auto Power Off, Range : 0 ~ 200,000 lux
0 ~ 20,000 fc

Accuracy : ± 5% rdg + 10 dgt (< 10.000 lux / fc) ± 10% rdg + 10 dgt (>10.000 lux / fc)

Resolution : 0.1 lux or 0.1 fc

Selection : lux / fc

Power : 9 V Battery

Dimension : 190 x 56 x 39 mm (approx)

Weight : 135 gms Including Battery (approx)

Accessories : Carrying Case, Inst.Manual, 9V Battery (installed)

Item No– 11.14

Name of the item 1.5 TOon Ac for laboratory

Quantity – 03

Name of the Dept. – Wildlife and Biodiversity Conservation

Specification –

Capacity 1.5 Tons
Annual Energy Consumption 774.19 Kilowatt Hours
Noise Level 39 dB; Installation Type Split System
Part Number CS/CU-NU18YKY5W
Special Features Smart AC- Wi-fi enabled, MirAie App enabled, work with Alexa and Hey Google, 7 in1 Convertible with additional AI Mode, PM 0.1 Filter for air purification, Voice Control with Alexa and Hey Google, 4 Way Swing & Hidden Display
Colour White; Voltage 230 Volts; Wattage 1290 Watts
Included Components 1 Indoor Unit, 1 Outdoor Unit, Remote Controller, Remote Controller Holder, 2 AAA Battery, Screw for Remote Controller Holder, User Manual, Warranty Card, Copper Tube (Length: 3.0m) wrapped with Poly-E-Foam, Power Supply Cord (Indoor to Outdoor Connection)
Batteries Included Yes; Batteries Required Yes; Battery Cell Type Zinc Carbon

Item No- 12.01

Name of the item – DAPI Filter for Hund Wetzlar Fluorescent microscope Model H600/12

Quantity – 01

Name of the Dept. – Zoology

Specification –

- Excitation range 340-380nm
- Dichroic mirror 400nm, barrier filter 435-485nm
- Filter slider for 2 filter sets

Item No- 12.02

Name of the item – Electrophoresis Unit

Quantity – 01

Name of the Dept. – Zoology

Specification –

- Basic unit (1No.),
- 25 X 13cm Platinum Electrode
- Assembly removable (2Nos.),
- Lid (1No.),
- Connecting cord (2Nos.)
- Gel running tray 250X130 mm (1No.)
- 13 wellcomb 1.5 mm (1No.)
- 3 well preparative combs 3.0 Mm (1No.)
- 3 well preparative comb 6.0 mm (1No.)
- Gel casting Tray 250X130 mm (1No.)
- Digital power supply 300V 100mA 30 Watt, O/P Term 2

Item No- 12.03

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Name of the item – -20°C Deep Freezer

Quantity – 01

Name of the Dept. – Zoology

Specification –

- Programmable Logic Control based Vertical Deep Freezer
- Programmable Logic Control with Safety controller, auto changeover of Standby systems & other event managements with 4.3" Color HMI with touch screen and Ethernet connectivity
- Memory-1500 Records
- Audio Visual Alarm if the temperature deviates from the preset temperature
- Hermetically Sealed CFC Free Emerson Compressor
- Specially designed solid stainless steel wire mesh trays ensure even temperature distribution
- 3" Thick CFC free PUF Insulation.
- Castor wheels, MCB, Heavy duty latch with lock & key
- Works on 230 V AC single phase 50Hz.
- Anti-moisture entry using hot line at the mouth of the cabinet
- 180 Sec. compressor 'ON' delay timer to safe guard the compressor.
- Password protected Keypad lock,
- Temperature Range 0°C to -20°C,
- Accuracy $\pm 1^\circ\text{C}$, Uniformity $\pm 2^\circ\text{C}$
- Capacity- 450Litres
- Internal Size cms (WxDxH)- 68x67x100
- External Size cms (WxDxH)- 84x72x178
- Certificates required ISO-17025:2017-CC-2645, ISO 9001: 2015, ISO 13485: 2016, IEC-60335-1, IEC-60335-2-24 and CE-12597
- 2 KVA STABILIZER WORKING AT LOW VOLTAGE

Item No– 12.04

Name of the item – Rotary Evaporator

Quantity – 01

Name of the Dept. – Zoology

Specification –

- 5L heating bath with a wide temperature range (room temp.to180°C), independent temperature control, make it can be used separately. Water/oil heating mode should be changed only through a switch.
- Manual lift combined with auxiliary lift for precise positioning of the glassware.
- Brushless DC motor.
- PID control to ensures high temperature accuracy at $\pm 1^\circ\text{C}$ (water).
- LED display for speed, temperature, time
- Safety feature for Overheating protection temperature at 220°C, Boil-dry protection, automatically power off if heating without water/oil in the heating bath.

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- Control accuracy of temperature water: $\pm 1^{\circ}\text{C}$, oil: $\pm 3^{\circ}\text{C}$
- It should have Speed range from 20 to 200rpm, timing interval operation in clockwise and anticlockwise directions for drying process.
- Patented condenser (cooling surface 1200/1700cm² for selection), double helix condensing tube + centre circular arc design to speed up the flow rate of liquid with excellent cooling effect.
- Ejection mechanism should ensure easy exchange of evaporating flask
- It should have adjustable immersion angle.
- Patented double spring sealing ring which is made of PTFE to provide an excellent sealing performance.
- Compatible with the entire range of glassware
- Heating Power-1010 W
- Stroke Displacement should be Manual 110mm + auxiliary 100mm
- It should have Interval Time Setting Range of 1~999s
- Dimension of the machine should not be more than Main Unit: 440×320×450mm, Heating Bath: 300×300×240mm.
- Permissible Ambient Temperature- 5~40 °C, Permissible Relative Humidity- 80%RH
- Protection Class- IP20
- It should have USB interface
- Voltage/Frequency- 100~120/200~240V 50/60 Hz, Power- 1100 W
- Oil Free vacuum pump
- Chemical Resistant Parts
- MOC Aluminium Die Cast
- Vacuum 27"HG - 705mmhg
- Flow 60LPM
- Stage Double
- Pressure 55 Psig
- Connection 12mm Hose
- Weight 9.5kg
- Motor 1/4hp
- Fitted with vacuum gauge & regulator
- Complete with vacuum tube and air vent filter
- Enhanced temperature range up of -20c to RT
- Temperature control-Microprocessor digital PID temperature controller cum indicator.
- Compact and space saving
- Continuous and robust cooling
- Powerful pump for circulation
- Construction of water bath should be SS
- Inner SS and Outer MS construction
- Sensor-PT100 sensor
- Water bath should have 12L volume
- Pump type-chemical resistance magnetic pump

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- Circulating pump-to circulate liquid/water to external source in closed loop condition
- Pump flow rate of 15 L/min
- Evaporating flask- 100ml, 250ml, 500ml, 1000ml
- Receiving flask- 100ml, 250ml, 500ml
- Warranty on complete unit should be 1 year from the date of installation.

Item No- 12.05

Name of the item – Soxhlet Extractor

Quantity – 01

Name of the Dept. – Zoology

Specification –

- Capacity :500ml, Flask size:2000ml
- Made from Borosilicate
- Heating mantle: 200-300w with Ambient to 400⁰C, Flask capacity: 500ml to 1000ml
- With Interchangeable Joints
- Used for separation of the extract from the liquid or solid
- Greater surface area than the Liebig Condenser owing to a series of bulbs, resulting in higher cooling capacity
- This method enables effective separation, with relatively small quantities

Item No- 12.06

Name of the item – Water quality cheker

Quantity – 01

Name of the Dept. – Zoology

Specification –

- Make: Eutech
- Measuring parameter: pH/ORP/ION/CONDUCTIVITY/TDS/SALINITY/RESISTIVITY/°C
- Features:
- Choose auto-calibration with preset values for quick easy calibration, or manual multi-point calibration for greater accuracy
- Easy standardization with auto-standardization feature – detect the exact cell constant value of your electrodes with the press of a button
- Up to 6-point calibration with auto-buffer recognition
- Includes high performance 4-cell Conductivity probe
- Quick, easy electrode diagnosis with the effective cell constants display
- Non-volatile memory holds up to 500 data points – time and date-stamped for GLP compliance
- Bi-directional RS232 for easy data transfer to computer
- Cal-due alarm – no more out-dated calibrations
- Auto-logging function for convenient continuous monitoring
- Limit alarm alerts when reading falls out of range
- Password protection for setup and calibration

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- **pH Range:** -2.00 to 20.00 pH
- Resolution / Accuracy 0.1 / 0.01 / 0.001 pH / ±
- 0.002 pH + 1 LSD mV Range: ± 2000 Mv
- Resolution / Accuracy :0.1 mV /±2 mV No. of pH Calibration : 6 Points
- **Ion Range :** 0.001 to 19999 ppm (±2000 mV) Resolution / Accuracy : 2 or 3 digits / 0.5 % full scale (monovalent) ; 1 % full scale
- No.of Ion Calibration Points : 2-8 points
- **Conductivity Range:** 0.050 µS to 500.0 mS Resolution / Accuracy 0.01 / 0.1 µS ; 0.001 /
 - / 0.1 mS ±1 % full scale
- No. of Cond. Calibration Points: 5 points (1 point per range)
- **TDS Range :** 0.050 ppm to 500 ppt (@ TDS factor 1.00)
- Resolution / Accuracy: 0.01 / 0.1 ppm ; 0.001 /
 - / 0.1 ppt ±1 % full scale
- No. of TDS Calibration: 5 points (1 point per range) Points
- **Salinity Range:** 0.0 to 80.0 ppt
- Resolution / Accuracy: 0.01/ 0.1 ppm ; 0.001 /
 - / 0.1 ppt ±1 % full scale
- **Resistivity Range:** 2.000 Ω to 20.0 MΩ Resolution / Accuracy: 0.01 / 0.1 Ω ; 0.001 / 0.1 kΩ ; 0.01 MΩ ±1 % full scale
- Temp. Range : 0.0 to 100.0 0 C/32.0 to 212.0 0 F
- Resolution / Accuracy 0.1 0 C (0.1 0 F); ± 0.3 0 C
- (±0.5 0 F) GLP : Yes
- Memory 500 data sets
- Output RS 232C (via cable)
- Chloride, fluoride, calcium probe with standards

ITEM 2: ELECTRICAL AND ELECTRONICS ITEMS FOR ADMINISTRATIVE OFFICE AND P.G DEPARTMENTS

Sl.No	Name of the Item	Specification	Quantity
1.	Desktop	Monitor – 23.08 Inch(60.45CM), 1920 x 1080 Pixels IPS, 3- Sided Micro-Edge LED Monitor, 75Hz, AMD Free Sync with 1xVGA, 1xHDMI, 1.4 Ports, CPU - Ram – 8GB, Memory – 512GB SSD, Intel Core – i5, Processor Speed – 4.4 GHz, Memory Technology – DDR4, Memory Clock Speed – 3200 MHz, Hard Disk Rotational Speed – 7200, Connectivity – Bluetooth, Wi-Fi, Number of USB 3.0 Ports & Operating System – Windows 11 Home	45
2.	UPS	Voltage Range (AC Model) – 230VAC ± 10% Voltage Range (Batt. Model) – 230VAC ± 10% Frequency Range – 50Hz/60Hz ±1%	45

		Battery Type - 12V 7AH x 1 No Recharge Time – 4-6 Hours to charge 90% LED Indicator, Capacity – 600VA Protect from overloading , input voltage range 140-300VCA	
3.	Multifunction Printer	Laser, Monochrome, Wi-Fi, 21 pages per minutes, 48.2 x 44.7 x 42.1 CM, Card stock, Labels, C5, A4, A5, DI, Letter, Legal, JIS B5, Resolution – 600 x 600 dpi, 150 maximum Sheet Capacity, Wireless, Compact Special Features, LED Display, 300 Watts	19
4.	Air conditioner	Type: Green AC with Capacity: 2 Ton, Star Rating: 5 Star, Type: Split AC, Condenser Coil: Copper, Power: AC-220-240V-50Hz, Function: Cooling and dehumidification during cooling mode, Warranty: 5-10 Years, Indoor wall Mounting, Including Stabilizer with installation & Commissioning.	11
5.	Xerox Machine	Function: Print, Copy, Scan. Monochrome Multifunction. Paper size: A4/A3. High image quality. Print Technology: Laser	11
6.	LCD Projector	Technology: One Chip DLP. Resolution: 1920X1080 or Higher. Optical zoom. Type of Light Source: UHP / UHE / UHM. Inbuilt Speaker. 3D Projection capability. Power: 210V-240V,50Hz. On site OEM Warranty : 2 years or More.	11
7.	Inverter	Rating: 3KVA. Technology: MOESFET-PWM. Energy Star Rating: 3 Star. Battery Back-Up with 3- 4hrs.	01
8.	LED Television	55 inches LED of 4K resolution	01
9.	Diesel Generator Set (DG Set)	63 KVA DG Set with movable system.	01
10.	Tablets	Tablet with Stylus pen (S-Pen). Screen size: 26.31 Centimeters (10.4-inch) TFT with 2000 x 1200 pixels resolution, Rear camera: 8MP or more. Front Camera: 5MP or more. RAM: 4GB or More, Internal memory: 128GB or more and expandable up to 1TB or more. Battery backup: 7,040 mAh or more and USB Type C. OS: Android 12 or Higher with high end processor. Dual speaker availability. Supporting all Types of SIM Cards and Wi-Fi network availability.	10
11.	Audio system	Technical specification: Wireless Portable-Bluetooth Speaker with 25 Hour-Battery, Built in Handle and Wheels. Port for Microphone. Omni Directional Sound, USB and Bluetooth Connectivity. Dimension: 96.7	01

		x 49 x 49.2 cm or more. Floor Standing. Batteries: Preferably Lithium Ion batteries. Compatible with Computers, Laptops, Tablets, Mobiles.	
12.	Public Addressing system (PA System)	75" 4K Interactive Display, Lag-free, Pen-on-paper Writing Experience with Ultra Fine Touch Technology, Synchronous Writing Performance with Dual Pens. 350 nits Brightness, 5000:1 Contrast Ratio.	01
		Professional Display Wall moun bracket for 75" LED display	01
		Intel core i5, 4GB RAM,1TB HGG OPS for interactive display. Inbuilt WiFi, 2x USB 3.0 Port, 2x USB 2.0 Port	01
		A 27 CM sleek design digital conference system with Super Cardioid Pickup Pattern microphone. Priority Function for Host with Capacitive Touch Buttons. Frequency response of 60 to 20,000 Hz. Built In Loudspeaker with Volume Control & 3.5mm Headphone Interface. 6 Pin Connectivity with base station.	01
		A 27 CM sleek design digital conference system with Super Cardioid Pickup Pattern microphone. Capacitive Touch Buttons. Frequency response of 60 to 20,000 Hz. Built In Loudspeaker with Volume Control & 3.5mm Headphone Interface. 6 Pin Connectivity with base station.	14
		Central Control Unit with 4" Touch Screen & 3rd Gen of audio processing algorithm, Noise suppression. 1x Balanced Audio Input and Audio Output Inyefface.1x Unbalanced Audio Input and Audio Output Interface 2x 25 Watts@ 4 Ohm Amp Output. Max NOM upto 8. Conferencing Modes: Nomal and Voice Activation. RS-232, RS-485 and RJ-45 Control port. 4x Aviation 6-Pin Interface. Inbuilt recording with Playback. Camera control port with Look-at-me features	01
		10mtr 6-Pin Interface extension conference Cable	01
		Power Amplifier: Two-channel, 300W @	01

		4Ω Power Amplifier, Features include RCA and XLR inputs, user selectable input sensitivity	
		Two-way 5" speaker, providing full, high quality sound for background music and music-plus-paging systems. Transformer Taps: 100V / 70V: 30W, 15W, 7.5W	04
		Speaker Cable, Microphone cable, Audio Patch Cords, Connectors to complete the site in all respect, 6a rack.	01

ITEM 3: FURNITURE ITEMS FOR ADMINISTRATIVE OFFICE AND P.G DEPARTMENTS

Sl No	Item Name	Specification	Name of the brand/make	Model	Quantity
1	S-Chair	PCH-7003 (LxDxHxS) – (55x61x80.50x44) in CM PCH-7112 (LxDxHxS) – (52.50x61x80x43) in CM	Godrej	1.Seating/Cushion Back Chairs/Premium Executive (Blue) 2.Seating/Cushion Back Chairs/Premier(Red)	18
2	File Cabinet	4 Box Cabinet 4 Drawer VFC (LxDxH)-(47x62x132) in CM	Godrej	Storage/Aisle and Back Storages/Vertical Filing Cabinet (Snowbell Grey)	06
3	Executive table with glass	Iron fram, 4X 6 ft size, Hard quality wooden top (Executive Desk) (LxDxH)-(360x108x75) in CM	Godrej	Desking/Premium Suits/Arrive (Walnut Veneer)	03
4	Glass Door Storwel	STORAGE/Display storage/Glass Door Storwel Glass Door Storwel (LxDxH)- (91.60x48.60x198.10) in CM	Godrej	STORAGE/Display storage/Glass Door Storwel	04
5	Almirah	STORAGE/Conventional Storage/ Storwel Plain Storwel Plain (LxDxH)- (91.60x48.60x198.10) in CM	Godrej	STORAGE/Conventional Storage/ Storwel Plain	44

		(91.60x48.60x198.10) in CM			
6	Computer Table	Dimensions (LxDxH)-(120x60x75) in CM Stylo	Godrej	Desking/Office Desks/Stylo (Beech)	02
7	Pigeon Hole	Storage/Aisle and Back Storage/Pigeon Hole 6 Feet Main & 6 Feet Add-on (LxDxH)-(58.20x40x180) in CM (LxDxH)-(26.40x40x180) in CM	Godrej	Storage/Aisle and Back Storage/Pigeon Hole	04
9	Steel Rack	Storage/Display Storage/Book Rack (Snowbell Grey) Double Sided All Steel Book Rack (LxDxH)-(90x60x185) in CM	Godrej	Storage/Display Storage/Book Rack (Snowbell Grey) Double Sided All Steel Book Rack	15
10	High Neck/Back Chair	Centre tilt mechanism. Tilt Locking. Moulded Foam Model: PCH-7001D (LxDxH)-(76.30 X 76.30 X 103.30-115.30) in CM Seat Height: (44.20-54.20) in CM	Godrej	High back	90
11	Office Table	Office Desk: Aesthetic and Functional all-wood/ steel Design. Variable lockable drawers with safety. Model: Enzo or equivalent (LxDxH)-(150 X 75 X 75) in CM	Godrej	Office Desk	53
12	Laboratory Stool	1 Bar stool, steel bar stool, Cushion, Glossy, Black colour, Carbon steel, height adjustable.	Any	Sitting purpose in laboratory	08
13	Smart Desk for Smart Class	Smart Desk for Smart Class	Godrej	Smart Desk for Class room	10
14	Podium	Podium for Department Classroom Make: wood/Ply	Any	Podium for Department Classroom	14

15	White Board	White board of Dimension-6X4 (ft)	Any	White board of Dimension-6X4 (ft)	14
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- 1) Quoted Price is inclusive of all taxes, transportation duty and other charges if any.
- 2) Product quantity varies as per requirement.

Financial Bid

ANNEXTURE - II

Sl.No	ITEM	Make	Model	Qty	Rate per unit (In Rs.)	Tax	Total Price (In Rs.)
Grand Total (Rs.)							
Grand Total (In words)							

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PROFORMA – II

PARTICULAR IN RESPECT OF 3 MAJOR WORKS EXECUTED IN LAST 3 YEARS (TO BE FURNISHED IN TECHNICAL BID)

Sl. No	Name of work and project with address	Short description of work executed	Name and address of owner	Value of Ports (Switch Ports)	Stipulated time completion	Actual time of completion

NB: Copies of Work Order / P.O., Completion certificate, Performance certificate must be attached.

Place:

Signature of Vendor

Date

LIST OF THE ITEM QUOTED

ITEM: 1

Sl.No	Item	Name	Make	Model	specification
1.					
2.					

ITEM: 2

Sl.No	Item	Name	Make	Model	specification
1.					
2.					

ITEM: 3

Sl.No	Item	Name	Make	Model	specification
1.					
2.					



CHECK LIST

(Please tick yes or No: Y/N)

- Tender Cost bank draft No. & date (Y/N)
- EMD bank draft No & date (Y/N)
- Proforma – I duly fill in (Y/N)
- Proforma – II duly fill in (Y/N)
- Valid GSTIN Certificate (Y/N)
- Valid PAN Card (Y/N)
- IT return (Y/N)
- Audit report for last three years (Y/N)
- Experience certificate of minimum five years (Y/N)
- Proof of P.O. copies, Installation & Commissioning report performance certificate (Y/N)
- Authorization certificate from OEM / Manufacturer / Company (Y/N)
- Any other relevant documents as per Tender notice. (Y/N)
- List of items quoted

Place:

Date:

Name, Signature & Seal of Bidder.

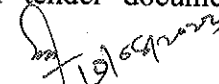
By order of Vice-Chancellor.


Registrar,
MSCB University

Dated: 19-08-2023

Memo 4796 /MSCBU

Copy to Director, Computer Centre / PS to VC / PA to Registrar/COF/All Section/All departments/Central library/Notice Board with a copy of detail tender documents for information and necessary action.


Registrar
MSCB University

Memo 4797 /MSCBU

Copy to Prof In-charge of University website with request to upload the same in the university website for wide publication.


Registrar
MSCB University