OFFICE OF THE PRINCIPAL, SHAILABALA WOMEN'S (AUTO.) COLLEGE, CUTTACK

NOTICE NO. 74

DT. 21-01-25

TENDER CALL NOTICE

Sealed tenders are invited from Registered Firms / Manufactures / Distributors/ Authorized Dealers with valid GSTIN for the supply of Goods mentioned below to Shailabala Women's Autonomous College. The tenders must reach the undersigned within 21 days from the date of publication of the tender through registered post/speed post/ couriers during working hours. The envelope containing the tender must be superscribed on the top as "Supply of Lab. Equipment" and addressed to Principal, Shailabala Women's (Auto.) College, Mission Road, Cuttack, Pin – 753001. The details of the specification of items and terms and conditions can be downloaded from the College Website: www.shailabalawomenscollege.ac.in/notices.

GENERAL TERMS AND CONDITIONS

- 1. The technical bid and financial bid should be sealed by the bidder in separate covers duly super-scribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly super-scribed. The tender for each department must be placed separately with all relevant documents related to technical bid and financial bid. Separate set of documents should be supplied for each department for the item quoted for the respective department.
- 2. The authority reserves the right to increase/decrease the quantity as per the institute's requirement and immediate availability of funds.
- 3. The authority also reserves the right to extend the date and accept or reject the tender without assigning any reason thereof. The college will not be responsible for non-receipt of tender within the last date due to any reason including postal delay.
- 4. The Bidders should furnish proof of identical supply of any of these items to other Institutions, Universities, Colleges, and State/Public Sectors. The proof of such credentials should be furnished by the Supplier.
- 5. The technical bid will be opened first and the financial bid of the successful bidder after technical verification will be opened later. The bids will be opened on dt. 14.02.25 at 11 AM in the New Conference Hall of this College. The bidders are requested to present at the time of opening of the tender.
- 6. Every page of the tender document, and the documents attached there should be signed by the bidder.
- 7. The bidder/dealer/distributor should have not been debarred by any Government or other organizations. A certificate to this effect must be given as per the proforma enclosed in the tender document.
- 8. The rates should be inclusive of all costs/taxes (with breakup of GST / Taxes).
- 9. The items shall have to be delivered and installed freely in their respective place within 15 days of the issue of the order.
- 10. The Supplier shall not assign or sublet the contract to any third party.
- 11. Any dispute shall be subject to the jurisdiction of Hon'ble High Court of Odisha.
- 12. Any act or effort on the part of the Supplier to influence anybody in the institute is liable for rejection of the Tender.
- 13. The bidder who wish to bid under infrastructure head for any department are advised to visit the respective department and consult the HOD before submitting the bid.
- 14. The bidders should attach the following documents
 - a. Firm registration certificate
 - b. MSME Certificate, if any.
 - b. GSTIN Certificate.
 - c. Past Record of Supply, if any.
 - d. PAN / IT Return

- e. Active Dealership Certificate / Authorization from the company for participating in the tender.
- 15. The selection of L1 bidder will be based on the total quoted price item wise for all the component of given item.
- 16. Any mismatch of specification of the item in the technical bid with the required specification given in the tender will lead to rejection.
- 17. The bidders who are interested in participating in the bidding process are required to submit EMD@3% of the total bid price for different items taken together in the form of a Demand Draft /Bank Guarantee from any scheduled Bank in favor of *Principal, Shailabala Women's (Auto.) College, Mission Road, Cuttack*. The Micro and Small Enterprises (MSEs) and start-ups are exempted from payment of EMD. The EMD of unsuccessful bidders will be returned by the 30th day of the award of the contract without any interest and the EMD of the successful bidder will be refunded after receipt of the performance security. EMD for each department must be submitted separately in the bid documents.
- 18. The successful bidders are required to submit performance security @7% in the form of a Demand Draft / Bank Guarantee from any scheduled Bank in favor of *Principal, Shailabala Women's (Auto.) College, Mission Road, Cuttack*. The Local MSE registered bidders if selected, will submit performance security @25% of the value of performance security (i.e. 25% of the prescribed security deposit amount). The performance security remains valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligation.
- 19. Any claim of exemption of EMD, performance guarantee should be supported by Government orders from appropriate authority with documentary proof.
- 20. All the items should be of reputed make and reliable.

SPECIFICATION OF ITEMS FOR PHYSICS DEPARTMENT

Infrastructure

	Specification	Quantity
	 Wall Hanging Apparatus Rack made of water resistant, Termite resistant 19mm thickness ply board and laminated on three sides, with glass sliding doors on front with locking arrangement having good quality with company warranty. Size – 48" X 42" X 18" 	8nos.
	 Aluminium Partition with 9 mm Premium quality Ply panelling having one door Panel Size – 23' X 10' Door size – 6' 6"X 3' 	
	 Also arrangement of panel (size 6") at a height of 3' from floor made of Water resitant, termite resitant, fire retardant good quality laminated plyboard with company warranty, fitted with switch board having 16A socket and Switch – 3nos. & 5A socket and Switch – 9nos. 	
for fiting o	of Desktop	
	(Area = $23 \times 6''$ = approx. area 12 sq. ft) and wiring provision	
	4. Wiring for A.C installation	

5.	Apparatus Storage Almirah fitted with door, made of water resistant termite resistant Fire retardant 18mm thickness good quality plyboard, Laminated from all sides. Size – 6'6" X 3' X 18"	1no
6.	Side Table for lab. Made of Sal wood and 1" thick wood top	3nos.
7.	White board Size – 6' X 4'	1 no
8.	Computer table	5 nos.
9.	Non revolving fixed Computer chair	5no.

GLASS WARE & CHEMICALS

SI No.	ITEM NAME	Quantity	No. of item
1	Measuring cylinder	100 ml	2
		200 ml	2
2	Glass Prism (Flint glass)	50 mm	20
3	Pipette (Borosil)	10ml	5
4	Castor oil	500 ml	4
5	Benzene	500ml	1
6	Acetone	500 ml	1
7	Glass Trough (Borosil)	1000 ml	2
		2000 ml	2

EQUIPMENT

SL NO.	EQUIPMENT	Technical Specification	qty
1	Ultrasonic interferometer	HIGH FREQUENCY GENERATOR -200Khz with Light Source MEASURING CELL Max. displacement of the reflector: 20 mm Required Quantity of liquid: 10 c.c. Least Count of Micrometer: 0.01mm/0.001 mm CABLE Impedance: 50Ω	1
2	Frank – Hertz Experiment	FRANCK HERTZ UNIT WITH DATALOGGER Plate Current Display: 3½ digit LED, Plate Voltage: 1.2-12V, Display 3½ digit, LED Screen Grid (G) Voltage: 0-80, Display 3½ digit LED 2 Control Grid (G) Voltage: 0-10V, Display 3½ digit LED 1 Filament Voltage: 0-9V,Display 3½ digit LED Tube Connection: 4mm socket Voltage Inputs from DAC1: 4mm safety socket Voltage output 10V: 4mm safety socket, Current output 100nA: 4mm safety socket Mode: Manual or Data Logging Current gain & offset adjustment knob NEON TUBE- Filament voltage: 6-9 V Control voltage: 9V, Accelerating voltage: Maximum 80 V Counter voltage: 1.2-10 V, VOLTAGE & CURRENT SENSOR without PC.	1
3	Field effect Transistor	Honey Comb Circuit Board Transparent Inbuilt Regulated Power Supply Range:3V/150mA & 15V/150mA, Resistor:10KΩ,100KΩ,1MΩ, Voltmeter	2

		Range:20V, Display: Analog, Ammeter Range:20mA, Display: Analog-FET: BFW10, Interconnection:4mm patch cord, Circuit & Symbol diagram printed on front panel, Mains Power:230V/50Hz	
4	MOSFET	Honey Comb Circuit Board Transparent Inbuilt DC Supply: 0 – 5V & 0-30V Variable, DC Voltmeter: 0-5V & 0-30V, DC Ammeter: 0-25mA, MOSFET: IRF540, Fixed Resistor: 10KΩ,2.2KΩ, Interconnection: 4mm patch cord Front panel built with high class insulated sheet, Circuit & Symbol diagram printed on front panel, Mains Power: 230V/50Hz	2

5	2 Ton Inverter 5 star A.Cwith Stabilizer and installation	Five star split inverter A.C, with Stabilizer 5 KVA ,130 V input	1
6	Inverter	3.5KVA	1
7	Inverter battery	250AH/150AH tall tubular battery	6
8	DESKTOP COMPUTER WITH UPS	13 th Gen Intel core TM15 Windows 11,8GB Memory,512GB SSD,19.5 inch display, Microsoft office 2021 with mouse, keyboard, CD Drive & 600VA,360W UPS	5

SPECIFICATION OF ITEMS FOR CHEMISTRY DEPARTMENT

LAB CHEMICALS: -

Y0.	Name of the Chemicals (NICE)	Specification	Quantity
1	Acetaldehyde	500mL	4
2	Adipic Acid	250g	1
3	Alpha Naphthol	100g	2
4	Ammonia Solution	500 mL	3
5	Aniline 99%	500 mL	2
6	Barium Sulphate	500 g	4
7	Beta Naphthol	250g	2
8	Borax	500 g	2
9	Carbon Tetrachloride	500g	5
10	Charcoal Block	Machine Compressed	3
11	Cerric Sulphate	100g	1
12	Conc. Sulphuric acid	2.5L	3
13	Conc. Hydrochloric acid	2.5L	5
14	Copper Hydroxy Carbonate	500g	3
15	Ethanol	500mL	10
16	Ferric Chloride	500g	2
17	Ferrous Sulphate	500g	2
18	Formaldehyde	500ml	2
19	Formic Acid	500mL	2
20	Fusion Mixture	500 g	2
21	Hexamethylene Diamine	25g	1
22	Hydrogen Peroxide 6%	500 mL	3
23	Hydroxylammonium chloride - 98%	100g	2

24	Iodine	100 g	2
25	Limewater	500 mL	5
26	Methanol	500mL	3
27	Methyl Orange Indicator	25g	2
28	Molybdenum disulphide - 99%	50g	1
29	Nessler's Reagent	125 mL	2
30	o-Chloroaniline	250mL	1
31	Phenol	500mL	2
32	Phenolphthalein	100g	2
33	p-Nitro phenol	250g	2
34	Potassium Iodide	250 g	2
35	Resorcinol	250g	1
36	Sodium Bisulphite	500g	2
37	Sodium Chloride	500g	4
38	Sodium Nitrate	500g	2
39	Sodium Nitrite	500g	3
40	Sodium Phosphate	500g	2
41	Starch soluble	500g	1
42	Strontium Nitrate	500g	2
43	Sucrose	500g	1
44	Zirconium oxy chloride - 99%	100g	1
45	Ammonium molybdate	100g	2
46	Aluminium chloride anhydrous	250g	3
47	Potassium sulphate	500g	4
48	Lead nitrate	500g	3
49	Zinc Acetate	500g	1 1
50	Manganous Sulphate	500g	1

Lab Glassware: -

l. No.	Name of the Glassware	Specification	Quantity
1	Beaker	50 mL	12
2	Blow Pipe	Medium size	50
3	China Basin	Medium size	40
4	Delivery tube	Medium size	20
5	Dropper with rubber teat	Medium size	40
6	Measuring Cylinder	50 mL	4
7	Measuring Cylinder	25 mL	10
8	Measuring Cylinder	10 mL	6
9	Mortar Pestle	6"	10
10	Reagent Bottle	2.5 L	5
- 11	Reagent Bottle (Wide mouth with screw cap)	250 mL	20
12	Rubber Cork for delivery Tube 6	small size	20
13	Sand Bath	Medium size	6
14	Spatula	8"	20
15	Test Tube	15x125 mm	100 pkt
16	Thermometer	0-360 degree	6
17	Volumetric Flask	100 mL	12
18	Volumetric Flask	25 mL	6

19	Volumetric Flask	10 mL	12
19	Wash Bottle	500 mL	5
20	Wash Bottle	250 mL	10
21	Water Bath	Medium size	10

Lab Infrastructure: -

A Specification for Wall facing Chemistry Laboratory working table- 04 nos

- 1 C Type Fixed under bench cabinet size, Dimension (LxWxH): 2100mm x 900mm x 900mm
- 2 Provision of Electrical Raceway
- 3 Provision of Electrical Points
- 4 Provision of Electrical Service Panels: Slidable type
- 5 Thickness of Cabinet Frame Cover Panel: 1.2mm
- 6 Frame Material: GI Sheet thickness 1.2mm
- 7 Side Cover Panel material: GI
- 8 Side Cover Panel thickness: 1.1mm
- 9 Handles Thickness: 1.1mm
- 10 Powder Coating: 50-micron wood colour powder coating
- 11 Working Table top material: Granite table top with 18mm thickness, acid resistant
- 12 Shelves and drawers load carrying capacity: 40 kg
- 13 Each moulded C Frame leg have a load carrying capacity: 400 kg
- 14 Sink unit: 1 Basin with SS304 Material (swan neck tap)
- 15 Storage: shutter Unit and drawers with branded locks
- 16 Modular Type Reagent Rack: 2 nos
- 17 Rack Frame Material: GI Sheet 1.00mm
- 18 Electrical Points: Provided with 1 no of 3 Module plate having 5/15-amp combined switch and 4 sets of sockets
- 19 Gas Connection: 1 hole with 4 connectors (taps for 4 burners)
- 20 Drainage facility of water
- 21 Door lock: Godrej/Hitech/Ebco
- 22 Auto hinged
- 23 Adjustable boot leg
- 24 Sheet approved brand: TATA/JSW
- 25 Colour: Wooden Coate

B Fume Hood (Wooden)- 01 no

- 1 Made from 19 mm thick Plyboard covered with sunmica
- 2 Epoxy painted from inside
- 3 Granite working platform
- 4 PP Sink
- 5 Water taps and Exhaust system
- 6 Size: 90x 60 x60 cm

Lab Instruments: -

	Name of Item	Specification	Quanti
	Bunsen Burner	Nickel coated burner tube, Brass nozzle, Cast iron brass	25
1	Magnetic Beads	10mm	1 pkt
		5 mm	l pkt

SPECIFICATION OF ITEMS FOR BOTANY DEPARTMENT

CHEMICALS

SI NO	NAME	SPECIFICATION	Qty
1	Tris buffer	Lab grade	500gm
2	Bromophenol blue	Lab grade	100gm
3	Magnesium chloride	Lab grade	500gm
4	primer	Lab grade	
5	10X buffer	Lab grade	2
6	potassium chloride	Lab grade	500gm
7	ethanol	Lab grade	10L
8	sulfuric acid	Lab grade	4L
9	crystal violet	Lab grade	200gm
10	ethidium bromide	Lab grade	10gm
11	MS media	Lab grade	1kg
12	nutrient agar	Lab grade	
13	BSA	Lab grade	20gm
14	Gram's iodine	Lab grade	2L
15	sodium hypochlorite	Lab grade	1L
16	buffer tablet	Lab grade	4 and 7
17	EDTA	Lab grade	2L
18	sucrose	Lab grade	02kg
19	safranin	Lab grade	125ml*10
20	haematoxylin	Lab grade	10gm
21	DPX	Lab grade	250ml*10
22	xylene	Lab grade	4L
23	sudan	Lab grade	100gm
24	Rectified spirit	Lab grade	10L
25	Petroleum benzene	Lab grade	5L
26	Nitric acid	Lab grade	5L
27	Benedict reagent	Lab grade	5L
28	Peptone	Lab grade	500gm
29	Agar	Lab grade	1kg
30	Dextrose	Lab grade	2kg
31	yeast extract	Lab grade	1kg
32	paraffin oil	Lab grade	5L
33	hand wash	Lab grade	5L
34	Vim liquid	Lab grade	5L
35	pH paper	Lab grade	20

36 37	Agarose Calcium chloride	Lab grade	250gm
38	sodium aliginate	Lab grade	500gm
39	silica gel	Lab grade	250gm
40	LB media	Lab grade	F00
41	tetrazolium	Lab grade	500gm
42	glucose	Lab grade	50gm
43	fructose	Lab grade	1000gm
44	starch	Lab grade	1000gm
45	Nucleotides	Lab grade	500gm
-		Lab grade	1 volume
46	Diphenyl amine	Lab grade	1kg
47	Saline citrate buffer	Lab grade	10gm
48	urease powder	Lab grade	
49	folin phenol reagent	Lab grade	1000ml
50	univeral pH indicator	Lab grade	2500ml
51	ortho phosphoricacid	Lab grade	1000ml
52	coomassie brillant blue	Lab grade	G 250 1
53	Sodium hydroxide pellet	Lab grade	250gm
54	sodium potassium tartarate	Lab grade	250gm
55	copper sulphate	Lab grade	250gm
56	Anthrone reagent	Lab grade	100gm
57	potassium permanganate	Lab grade	1000gm
58	Culture media tube	Borosil	30ml*100
		Borosil	50ml*100
59	petri dish	Borosil	80*17ml 50piece
		Borosil	100*17 50piece
		Borosil	150*20ml 50piece
50	glass rod	Borosil	10
51	measuring cylinder	Borosil	10ml*5
		Borosil	100ml* 5
		Borosil	250ml*5
52	reagent bottle	Borosil	50ml*20
		Borosil	100ml*20
		Borosil	250ml*20
		Borosil	500ml*20
		Borosil	1000ml*10
3	test tubes with rim	Borosil15,27,38,55,70ml	200each
64	testtubes wthout rim	Borosil15,20,25,55,70	150 each
5	watch glass	Borosil100,120,150ml	10 each
6	beaker	Borosil	10ml*10
		Borosil	250ml*10
		Borosil	500ml*10
M		Borosil	1000ml*10
7	burette	Borosil	5
8	burette stand	Borosil	5
9	conical flask	Borosil	250ml*20
		Borosil	500ml*20
0	glass slide	Borosil	50pck

71	cover slip	Borosil	50pck
72	micropipette	Borosil10,20,50,100micro ml	each 01 piece
73	micropipette tips	Borosil10,20,50,100 micro ml	01 pck each
74	nitrile gloves	Lab grade	200
75	whatmann no1 paper	Lab grade	10pck
76	blotting paper	Lab grade	500 piece
77	tissue paper	Lab grade	20roll
78	permanent slide	Lab grade	
79	lab specimen	Lab grade	
80	squashing needle	Lab grade	10
81	forcep	Lab grade	10
82	scalpel	Lab grade	10
83	brush	Lab grade	20
84	Non absorbant cotton	Lab grade	5 rolls
85	Gauze cotton	Lab grade	10 rolls
86	Pipette pump	Lab grade	2
87	Scissor	Lab grade	2
88	L shaped glass rod	Lab grade	5
89	Inoculation loop	Lab grade	4
90	TLC teaching kit	Lab grade	1
91	methylene blue	Lab grade	200ml
92	Distilled water	Lab grade	50L
93	Hydrochloric acid	Lab grade	4L

LAB INFRASTRUCTURE

SL	NAME	SPECIFICATION	QTY
1	WORKING TABLE	WITH BASIN CUPBOARD DRAWER	8
2	WASH BASIN	ALUMINIUM	1
3	ELECTRICAL WIRING	PIPING, WIRE, BOARD etc	
4	PLUMBING WORK		1 / A
5	WHITE BOARD(HALF GREEN HALF WHITE	8FT*6FT and 4ft*3ft	3 each
6	LAB OVERHEAD WALL CABINETS		5
7	NOTICE BOARD		2

SI no	name	specification	Otto
200	Carallel St.		Qty
1	Microtome	object25mm	1
2	vortex mixture	speed 1000rpm	1
3	Refrigerator	Double doorAC 220volt 50Hz	1
4	Thermometer & hygrometer	wall mount	1
5	soxhlet apparatus	borosil	1
6	Plastic & aluminium tray	LAB use	4 each
7	compound microscope		6
8	micrometer (ocular and stage)		2 each
9	Induction cooker	Prestige	1

SPECIFICATION OF ITEMS FOR ZOOLOGY DEPARTMENT

A. LIST OF CHEMICALS:

Sl. No	NAME OF THE ITEM	SPECIFICATION	QUANTITY	NO. OF UNITS
1	SALINE WATER (0.9%)	Lab grade	500ml	1
2	70% ETHANOL	Lab grade	500ml	1
3	CRYSTAL VIOLET	Lab grade	25gm	1
4	GRAM'S IODINE	Lab grade	25gm	1
5	GRAM'S DECOLOURIZER	Lab grade	125ml	1
6	BACTERIA SAMPLE (POSITIVE & NEGATIVE)	Lab grade, Himedia	1	1
7	CARBOL FUSHIN	Lab grade	25gm	1
8	METHYLENE BLUE	Lab grade	25gm	1
9	ACETIC ACID (1%)	Lab grade	500ml	1
10	MALACHITE GREEN	Lab grade	25gm	1
11	POTASSIUM DIHYDROGEN PHOSPHATE(KH₂PO₄)	Lab grade	500gm	1
12	DIPOTASSIUM PHOSPHATE(K2HPO4)	Lab grade	500gm	1
13	SODIUM HYDROGEN PHOSPHATE	Lab grade	100gm	1
14	DISODIUM HYDROGEN PHOSPHATE HEPTAHYDRATE(Na ₂ HPO ₄ .7H ₂ O)	Lab grade	500gm	1
15	AMMONIUM CHLORIDE	Lab grade	500gm	1
16	MAGNESIUM SULPHATE	Lab grade	500gm	1
17	CALCIUM CHORIDE	Lab grade	500gm	1
18	FERRIC CHLORIDE (FeCl ₃ .6H ₂ O)	Lab grade	500gm	1
19	1N H ₂ SO ₄	Lab grade	500ml	1
20	K ₂ Cr ₂ O ₇ Digestion solution	Lab grade	500gm	1
21	SULPHURIC ACID REAGENT	Lab grade	500ml	1
22	FERROIN INDICATOR SOLUTION	Lab grade	100ml	1
23	FERROUS AMMONIUM SUPHATE TITRANT	Lab grade	500gm	1
24	H ₂ SO ₄	Lab grade	500ml	1

25	PHENOLPHTHALEIN INDICATOR	Lab grade	125ml	1
26	BASIC FUCHIN	Lab grade	500gm	1
27	SODIUM METABISULPHITE	Lab grade	500gm	1
28	POTASSIUM METABISULPHITE	Lab grade	500gm	1
29	ACTIVATED CHARCOAL	Lab grade		
30	SCHIFF'S SOLUTION	Lab grade	500gm	1
31	XYLENE	Lab grade	125ml	1
32	PYROMIN Y	Lab grade	500ml	1
33	TRICHLOROMETHANE	Lab grade	5gm	1
34	METHYL GREEN	Lab grade	500ml	1
35	4 BUTYL ALCOHOL	Lab grade	500ml	1
36	CEDAR WOOD OIL	Lab grade	25 ml	1
37	PERIODIC ACID	Lab grade	25ml	1
38	BUTANOL	Lab grade	25gm	1
39	GLUCOSE POWDER	Lab grade	500ml	1
40	SOYABEAN POWDER	Lab grade	500gm	1
41	METHANOL	Lab grade	500gm	1
42	SULPHUR POWDER	Lab grade	500ml	1
43	ACRYLAMIDE	Lab grade	500gm	1
44	BISACRYLAMIDE	Lab grade	500gm	1
45	TEMED	Lab grade	100ml	1
46	AMMINIUM PER SULPHATE	Lab grade	500gm	1
47	BROMOPHENOL BLUE	Lab grade	5gm	1
48	ISOPROPANAOL	Lab grade	500ml	1
49	BOVINE SERUM ALBUMIN	Lab grade	5gm	1
50	SODIUM POTASSIUM TARTARATE	Lab grade	500gm	1
51	CuSO ₄	Lab grade	500gm	1
52	Na ₂ CO ₃	Lab grade	500gm	1
53	FOLIN CIOCALTEU REAGENT	Lab grade	125ml	1
54	SDS	Lab grade	100gm	1

55	RNase A	Lab grade, Himedia		1
56	PHENOL	Lab grade	125ml	1
57	CHIROFORM	Lab grade	500ml	1
58	ISOAMYL ALCOHOL	Lab grade	500ml	1
59	ALCOHOL	Lab grade	500ml	1
60	TE BUFFER	Lab grade	100ml	1
61	TRIZOL REAGENT	Lab grade	500ml	1
62	5X Taq Master Mix	Lab grade	1 vial	1
63	DNTP MIX 10mM	Lab grade	1 vial	1
64	Taq POLYMERASE(500U)	Lab grade	1 vial	1
65	FORWARD PRIMER(GAPDH) 10MICRO M	Lab grade	1 vial	1
66	REVERSE PRIMER(GAPDH) 10MICRO M	Lab grade	1 vial	1
67	NUCLEASE FREE WATER	Lab grade	500ml	1
68	SODIUM ACETATE	Lab grade	500gm	1
69	TRIS HCL	Lab grade	100gm	1
70	TRITON X 100	Lab grade	50ml	1
71	SODIUM DEOXY CHOLATE	Lab grade		1
72	GLYCEROL	Lab grade	500ml	1
73	BETA MERCAPTO ETHANOL	Lab grade	100ml	1
74	TRIS GLYCINE	Lab grade	1000ml	1
75	COOMASSIE BRILLIANT BLUE R- 250	Lab grade	25g	1
76	KCL	Lab grade	500gm	1
77	NACL	Lab grade	500gm	1
78	SODIUM PHOSPHATE DIBASIC	Lab grade	500gm	1
79	PHOSPHATE DIHYDROGEN ORTHOPHOSPHATE	Lab grade	500gm	1
80	TWEEN 20	Lab grade	500ml	1
81	ETHANOL	Molecular grade	500ml	1

B. List of Instruments

Museum specimen

SI. No.	NAME OF THE ITEM	SPECIFICATION	NO. OF UNITS Required
1	Balanoglossus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
2	Colonial Urochordata	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
3	Any species /slide of Ctenophora	Standard sized Specimen preserved in Formal dehyde & mounted in a jar/ Permanent mounting slide of Phylum Platyhelminthes	1
4	Obelia	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
5	Aurelia	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
6	Tubipora	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
7	Corallium	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
8	Alcyanium	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
9	Metridium	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
10	Meandrina	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1 .
11	Madrepora	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
12	Myxine	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
13	Scoliodon	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
14	Sphyrna	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
15	Pristis	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1

16	Chimaera	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
17	Mystus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
18	Heteropneustes	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
19	Echeneis	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
20	Hippocampus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar (male)	1
21	Tetrodon	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
22	Diodon	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
23	Flat Fish	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
24	Ureotyphlus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
25	Chelone	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
26	Hemidactylus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
27	Varanus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
28	Uromastix	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
29	Chamaeleon	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
30	Ophiosaurus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
31	Bungarus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
32	Naja	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
33	Hydrophis	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1

34	Zamenis	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
35	Crocodylus	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
36	Bat(Insectivorous)	Standard sized Specimen preserved in Formal dehyde & mounted in a jar	1
37	Model of Funambulus	Standard sized live animal model with smooth display of all the elements	1
38	Model of Peacock	Standard sized live animal model with smooth display of all the elements	1
39	Model of Pigeon	Standard sized live animal model with smooth display of all the elements	1
40	Model of Sparrow	Standard sized live animal model with smooth display of all the elements	1
41	Model Sorex	Standard sized live animal model with smooth display of all the elements	1
42	Model of Loris	Standard sized live animal model with smooth display of all the elements	1
43	Model of Erinaceus	Standard sized live animal model with smooth display of all the elements	1

SI. No.	NAME OF THE ITEM	SPECIFICATION	QNTY	NO. OF UNITS
1	Xerox cum Printer	All in one colour printer (Print, scan, Copy), Economical & heat free technology. Print resolution-5760X1440. Page size supported-A4,A5,A6,B5,C6,DL. Space saving design. Spill free refilling with refillable ink tank. Wi-Fi connectivity.	1	1
2	Sahli's Haemometer	Lab Use Haemometer	11	11
3	Test tube Stand	Labuse Testtube stand	5	5
4	Water Purifier	RO System, 8 litre capacity, Accessory: Food grade pipes, Connectors, etc.	1	1
5	Smart Interactive Board	Interactive Touch Panel Board 65", Latest Android with 8 GB RAM &	1	1

	with motion sensor facility & Speaker for Video Conferencing Facility . BOX SLIDER SFOR INTERACTIVE PANEL-SPECIFICATION Aluminium Slider Made of Aluminium with White board min Length 6ft which can be sued as Class Room Teaching , Lock and keys system in the box pattern , and small storage for accessories of Panel board & Writing pen Slider Consists Of: Size: 12fx4f Aluminium Extruder profile Century HDHMR PLAIN 8MM 8X4 CBC push lock 32mm w.master key wall panel 100, Onsite Installation inside classroom		
--	---	--	--

Glasswares:

SI.No.	NAME OF THE ITEM	SPECIFICATION	QNTY	NO. OF UNITS
1.	Binary Fission of Paramecium	Permanent mounting slide of Phylum Porifera	1	1
2.	Permanent slide of Amoeba (W.M.)	Permanent mounting slide of Phylum Protozoa	1	1
3.	Permanent slides of Herdmania spicules	Permanent mounting slide of Phylum Chordata	1	1
4.	Permanent slide of Sycon(T.S)	Permanent mounting slide of Phylum Porifera	1	1
5.	Slide of Miracidium larva (Flat worm) (W.M.)	Permanent mounting slide of Phylum Platyhelminthes	1	1
6.	Slide of Taenia(Larval stage)	Permanent mounting slide of Phylum Platyhelminthes	1	1
7.	Slide of Ascaris life stages	Permanent mounting slide of Phylum Aschelminthes	1	1

C. INFRASTRUCTURE:

Sl. No.	NAME OF THE ITEM	SPECIFICATION	QNTY
1.	Electric wire	Brand- Fenolex Thickness 1.5mm, coil	4 coil

2.	Switch board	Brand- Anchor, 16 amp having 3 no.s of sockets & 3 no.s of Switches	6
3.	Casing pipe	6 ft	6
4.	Self adhesive floor mat	Colour- white, waterproof, 45"*26", 1181 sq.ft	45"*26", 1181 sq.ft

SPECIFICATION OF ITEMS FOR ANTHROPOLOGY DEPARTMENT

SL. NO.	EQUIPMENTS	SPECIFICATIONS	NO. OF EQUIPMENTS
1.	Sphygmomanometer (digital)	Omron HEM7120Fully automatic digital blood pressure monitors with IntelliSense technology	2
2.	Sphygmomanometer (manual)	Aneroid type manual Blood pressure monitor with stethoscope	2
3	Desktop Computer With UPS	13 th Gen Intel core TMi5 Windows 11,8GB Memory,512GB SSD,19.5 inch display, Microsoft office 2021 with mouse, keyboard, CD Drive & 600VA,360W UPS	1
4	Laser jet Printer	234 MHz RISC processor	1
5	Stethoscope	3m littmann Colour: Champagne Chest piece Product dimension: 68.58 X 2.54 cm: 450 gm Item height: 1 inch Item width: 1 inch Item weight: 450 gm	1
6	Tubular craniophore (Martin type)	GPM Swiss made	1
7	Cubic craniophore with bone holder	Cubic craniophore, precise, 28cm square, which would add, in one of the lower corners, one arm carrying a clamping jaw double ball, GPM Swiss made Cubic craniophore. The horizontal tracing needle, to orient the skull in three planes using certain cranial landmarks The diagraph recording, to make a partial or complete study of the contours of the skull, and to build for measuring the sphenoid angles, prognathism, etc	1

LAB INFRASTRUCTURE LIST

SL NO	NAME OF THE ITEM	SPECIFICATION	NO. OF EQUIPMENTS
1	WORKING CUM Lab Equipment Keeping desk (Wooden)	Dimension: 8 feet length X 4 feet width X 3 feet height Double access work table (both Side use) sockets each set will be at mid of the table for both side access Bottom supported by 1.2 mm thick electro galvanized iron sheet metal construction with powder coated finish. Under bench storage modules each 600 mm width with shelves and drawers at below the tables. One knee space at the centre.	2
2	Laboratory stool (wooden)	Supported by set of legs (all four side) Height 600 mm Dimension of table top: 350(L) mm X 350 (W) mm Thickness of table top: 25mm Leg size 35 (L) mm X 35 (W) mm Lacquered polish	20

SPECIFICATION OF ITEMS FOR HOME SCIENCE DEPARTMENT

SL.NO	NAME OF THE EQUIPMENT	SPECIFICATION	QUANTITY REQUIRED
1.	Glucometer	94mm(H)x52mm(W)x21mm(D) With ISI	01
2.	Lactometer	Number of memory sticks-5, Item part number-RG-12220 with ISI Mark	01
3.	Oxymeter	Product Dimensions- 6LX3WX3H Centimetres Water Proof ISI Mark	02
4.	Sphygmomanometer	Waterproof, battery power	04
5.	PH Meter	Digital PH Meter Mini 2 Point Calibration LJ-141 with ISI Mark	02
6.	Digital Human Weighing Machine	Weight Machine for Body Weight, grey, Weight Limit -150 Kilogram, Model number-PS120, item height-23 Millimeters, width- 26 centimetres, product Dimensions - 26 x 26 x 2.3 cm;	04
7.	Wooden blocks for Printing	Wood Material, Square shape, Size Medium, 9L x 4W x 2H Centimetres	02

8.	Cutlery set	Stainless Steel, dishwasher safe, rust resistant, mirror finish,6-tablespoon,6-forks,6-teaspoon,6-knives,1-stand	02
9.	Ice cube tray with lid	Food grade silicon	02
10.	Stethoscope	Stainless Steel, stethoscope black tube, 27 inch	02
11.	Rolling board & pin	Green marble chakla with wooden belan	03
12.		Animal Cell, Size -5 Dia in, Product dimension-15.49 x 14.48 x 14.48 cm; 290g material-Foam, Colour-Blue	01
		Anatomical life Size (magnetic parts) unisex Human Torso Model in 24 parts with interchangeable reproductive system in fibre glass material.85 cm length, package Dimensions -94.23 x 52.58 x 35.05 cm;6.5 kg	01
	3DModel of human cell, digestive system, reproductive system(female)	human lung with heart LIFE Size model in 7 parts (made with fiber glass), Package Dimensions 44.7 x 36.29 x 19.8 cm; item weight- 2 kg 580 g, item model no-ISLW-21	01
	respiratory system, heart, kidney	Uterus and ovary model female reproductive organ model human anatomy item weight-630 g, package Dimensions- 28.1 x 18.8 x 11.6 cm; Item part no-ISHU-21	01
		Premium Human Heart Model- Enlarged 3X, red colour, item weight 2kg 800 g. package Dimension 30 x 28 x 26.4 cm;	01
		Human kidney model -Detailed 3D Anatomy Replica of the Human Kidney organ,1 Number of Memory Stick, item art number-Liver 1, ASIN-B0CFVLT5JV	01

SPECIFICATION OF ITEMS FOR EDUCATION DEPARTMENT

Laboratory Equipment

Sl. No	Name of the equipment	Description	Quantity
1.	DESKTOP	SPEC-i5/12th Gen/8GB Ram/512GB SSD/Win- 11/MSO-2021/20"Monitor/3Yrs Warranty	2
2.	Projector	50 × 50 × 28 cm, 2.3 kg Computer Memory type- DIMM, Resolution- WXGA, Display Technology- DLP, Display resolution- 1920 × 1200 Pixel, 1.8 meter Power Cable, 1.5 meter VGA Cable, Remote Control, AAA Battery × 2, Quick Start Guide Maximum Image Size- 150 inches	1
3.	UPS	600 VA/360 surge Protection :Yes 1 year warranty	2

Requisition for Infrastructure-

SI. No	Name of the equipment	Description	Quantity
1.	Desktop Table	Engineering Wood Size- Width- 3 ft. Length- 2 ft.	2
2.	Lab Work Table	Dimension- W×H×D (cm) - 120×74×60 Material- Particle Board	1

SPECIFICATION OF ITEMS FOR PSYCHOLOGY DEPARTMENT

LABORATORY INFRASTRUCTURE

SL.NO	NAME OF THE ITEM	SPECIFICATION
1.	Panel room (lab) divider foldable	3.5m width x 1.8-meter height High density polythene Iron
2.	Glassdoor equipment shelf	Store case door display unit with glass swing door

REQUISITION FOR LAB EQUIPMENT

SL. No	Name of the equipment	Specification/ Publication	Quantity
	MMPI – 2(Minnesota Multiphasic Personality	The University of Minnesota Press (Publication)	
1.	Inventory-2)	Authors: James N. Butcher, John R. Graham, Yossef S. Ben-Porath, Auke Tellegen, W. Grant Dahlstrom	1

		 Purpose: To assess adult psychopathology through a self-report questionnaire Widely used: Considered one of the most commonly used psychological tests for diagnosing mental disorders 	
2.	TAT Complete KIT (PRINT)	Pearson Assessment-US(Publication) • Authors: Henry A. Murray and Christiana D. Morgan • Year of initial publication: 1935 • Publisher: Harvard University Press The Thematic Apperception Test uses 31 picture cards to stimulate stories or descriptions about relationships or social situations.	1

SPECIFICATION OF ITEMS FOR MATHEMATICS DEPARTMENT

SI. No.	Name of the Items	Numbers	Specifications	
		Labor	atory Equipment	
with support features like Simulink stude computing, Math and optimization, AI, statistics, Physical modelling, application		Windows 11 support, MATLAB Software for 24 users with support features like Simulink student suite, parallel computing, Math and optimization, AI, Data Science and statistics, Physical modelling, application products, image processing and computer vision, control system, test and measurement		
2	Smart Board for Teaching	01	85 inches, 4k, UHD, Touch Screen LED, Android 13, Ideal for College Teaching, RAM-8GB, ROM-128GB	
100		Lab	Infrastructure	
3	Sliding Windows Inside computer lab cum class room	09	Size – 4'x3' Aluminum each	
4	Glass sliding door with auto closer inside computer lab	01	Size – 6'x3' Aluminum	

SPECIFICATION OF ITEMS FOR LIBRARY & INFORMATION SCIENCE DEPARTMENT

SI. No.	Items Specification		Quantity	
Desktop Computer With UPS		13 th Gen Intel core TMi5 Windows 11,8GB Memory,512GB SSD,19.5 inch display, Microsoft office 2021 with mouse, keyboard, CD Drive & 600VA,360W UPS	2	

2	Printer	Laser Jet Printer (Print, Scan, Copy)			
3	Fire Extinguisher	Fire Extinguisher Dry powder type capacity 4-4.5k.g. suitable for classes of fire A, B, C, ISI Certified			
4	Water Purifier RO System & Litres Capacity Accessory food grade pipes, Connector		1		
5	Air Conditioner	1.5 Ton Split System, 5 Star, Inverter Compressor, Copper Condensed Coil	1		
6	Infrastructure				
	i. Computer Chair Table	-	2		
	ii. Electrification		-		
	iii. Separation	20 x 20 meter (wooden / steel)	-		

Principal
Shailbala Women's (Auto) College, Cuttack

Tender paper for supply of Equipment to the Principal, S. B. Women's (Auto.) College, Cuttack

Name	and address of the firm:	AL BID FOR SUPPLY OF EQUIPMENT (Mandatory)
Mobile	No. :	(Mandatory) (Mandatory)
Email I		(Mandatory)
Security	y / EMD : Rs	
DD No.	Date :	
Bank / l	Branch :	
SI. No.	Item Name/ Brand	Specification
1		
2		
3		
4		
List of c	locuments and sample figures	(duly signed and stamped)
1		
2		
3		

Authorized signatory with seal

Date:

Tender paper for supply of Equipment to the Principal, S. B. Women's (Auto.) College, Cuttack

PRICE BID FOR SUPPLY OF EQUIPMENT

Name and address of the firm:		(Mandatory)		
Ny III				
Contact Person		(Mandatory)		
Mobile No.		(Mandatory)		
Email ID	:	(Mandatory)		
Security / EMD :	Rs			
DD No.	Date :			
Bank / Branch : _				

Sl. No.	Item Name/ Brand	Specification	Price excluding GST	GST %	Price including GST
1					
2					
3					
4					

Date:

CERTIFICATE

- "I certify that I have not committed any offence-
- (a) Under the Prevention of Corruption Act, 1988; or
- (b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.
- (c) I have not been debarred by any Central / State Government Organization/Bodies for the last 3 years."

Signature with designation