

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

NOTICE NO. 185

DT. 03-02-24

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.
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 on the same day. The bids will be opened on 27.02.2023 at 11.00 AM in the 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 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.
14. The selection of L1 bidder will be based on the total quoted price item wise for all the component of given item.

15. Any mismatch of specification of the item in the technical bid with the required specification given in the tender will lead to rejection.
16. 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.
17. 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.
18. Any claim of exemption of EMD, performance guarantee should be supported by Government orders from appropriate authority with documentary proof.
19. All the items should be of reputed make and reliable.

SPECIFICATION OF ITEMS FOR PHYSICS DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
1	Zeeman Effect Apparatus	Optical bench, Transverse Slider, Lens holders, Polarizer fitter, Quarter wave fitter, Electromagnet coil, Power supply for electromagnet Mercury lamp with power supply, Fabry-Perot etalon, CMOS Camera, Digital Gauss meter, Green fitter with holder, Micrometer Eyepiece with Compatible computer system and software to record data of the apparatus.	01
2	Quinke's Tube Method	Electromagnet Assembly, DC Regulated power supply, U-Tube Travelling Microscope, Digital Gauss Meter, Electronic Balance and necessary accessories.	01
3	Millikan oil drop Apparatus	Built in DC variable power supply, Millikan's Apparatus, oil Atomizer, USB Camera, Digital stopwatch with Compatible computer system and software to record data of the apparatus.	01
4	BH Curve Apparatus	BH Curve power supply core, Pair of coils, U core (Ferromagnetic), BNC Cable, power cord, Digital Multimeter.	01
5	Advanced Polarimeter	Quartz Polarimeter, Polarimeter tubes built in sodium lamp, Power supply built in magnifier to read scale	01

6	Magnetic Susceptibility of solids(Gouy's method)	Electromagnet,Digital power supply for Electromagnet,Digital Gauss Meter,Digital Balance	01
7	He-Ne Laser kit	He-Ne Laser,Optical bench,Screen with cylindrical base,Slit holder Lens,Transversal Slider,Fixed Slider	02
8	Transistors as Amplifiers total kit for CE amplifier &RC Coupled amplifier	Bread board or Circuit Board,Capacitors 6 nos,Digital Multimeters Resistor modules Signal Generator Transistor modules Power supply Variable power supply	01
9	Transistor as oscillators	Circuit board Capacitor module Choke module Inductor module Resistor module UJT Module Variable power supply	01
10	Combinational and Sequential circuits to study Half Adder,Full Adder,RS Flip flop,D Flip flop,JK Flip flop	Circuit board,AND Gate module,EX-OR Module Full Adder module,Half Adder module,Half subtractor module,OR Gate module,RS Flip flop,D flip flop	01
11	PE Hysterisis Loop	Field 1KV,XY Probes output for oscilloscope,Standard PZT Sample, Sample holder,SILICON OIL with essential accessories	01
12	OP-Amp as oscillators RC Phase shift oscillator And Wien Bridge oscillator	Circuit board,Power supply,OP-Amp module,Resistor modules,Capacitor modules,variable resistors	01
13	Stefan's Constant Radiation Apparatus	Stefan's Constant Radiation Apparatus on stand with black and silver Disc.Cu-Cn-Cu thermocouples,oil bath, water bath,spirit lamp, super sensitive microammeter,steam boiler,Hot plate	01
14	Study of Thermo-Emf of thermocouple with temperature	Cu-Fe thermocouple,Potentiometer,Heating arrangement,Voltmeter,Ammeter, Resistances,Stand for Thermocouple	01
15	Boltzmann constant using PN Junction diode	PN Junction diode,voltmeter and current display,Temperature display,oven,oven connector,Temperature sensor,Switch V-I & V-T	01

16	Dielectric constant of Dielectric material with frequency	Frequency Dependent set up, Sample capacitor, Test Capacitor without dielectric, Dielectric plates, High frequency oscillator up to 100 Khz, Gang condenser	01
17	e/m by (a) Magnetic focusing	DC Power Supply for CRT, Display for Deflection , Focusing adjustment Knob, Intensity adjustment Knob	01
18	Babinet's compensator	Babinet Compensator Quarter wave plate Polariser Analyser Eye piece White light lamp source	01
19	e/m by (b) Bar magnet	DC Power Supply for CRT , Cathode Ray Tube , Deflection magnetometer	01
20	Malus for plane polarized light with Diode Laser	Optical Bench Polarizer/Analyzer Diode Laser Detector , Digital Ammeter , Digit LCD Display,	01
21	Determine the wave length of laser source using diffraction of single slit and double slit	Optical Bench , Diode laser, pin hole photo detector, silicon photo cell, screen	01
22	DESAUTY'S BRIDGE	Decade Resistance, Standard Capacitors, Unknown Capacitor , A.C supply of frequency, Null Detector	01
23	LOW RESISTANCE USING POTENTIOMETER	DC Regulated Fixed Power Supply , DC Regulated Variable Power Supply, Standard Cell, Unknown Resistors , Galvanometer , Ammeter, Potentiometer	01
24	THEVENIN AND NORTON THEOREM TRAINER	DC Regulated Variable Power Supply, Fixed Resistors, Variable Resistor, Voltmeter	01
25	ANDERSON BRIDGE TRAINER	DC Regulated Fixed Power Supply, Standard Capacitor, Standard Resistance, Digital Null Detector,	01
26	Biasing configurations of BJT for normal class A	DC Supply Transistor Digital Voltmeter Digital Ammeter Digital Ammeter Resistor	01
27	PLATINUM RESISTANCE THERMOMETER APPARATUS	Trainer Kit, Platinum Resistance Thermometer, Steam Boiler with Heating Arrangement, DC Power Supply: 2V/100mA, Callender and Griffith bridge with Jockey, Galvanometer,	01
28	ASTABLE & MONOSTABLE MULTIVIBRATOR USING 555 TIMER	DC Supply (Inbuilt), Led Indicator , Variable Resistor, Circuit & Symbol diagram printed on front panel,	01

29	OP-Amp as inverting and non inverting ,Integrator,Differentitor	Circuit board,Digital multimeter,OP-Amp modules,Resistor modules,Capacitor Modules,Power supply,Signal Generators,variable power supply	01
30	To determine the Hall coefficient of a semiconductor sample	Electromagnet digital power supply for electromagnet digital gauss meter constant current power supply	01
31	Function Generator	Function Generator 2Mhz Digital ,Sine square & triangle signals	02
32	Sodium Lamp	Sodium Lamp	04
33	Sodium Lamp Transformer	Sodium lamp Transformer (35 w)	04
34	Copper Steam Boiler With heating arrangment	Copper Steam Boiler With heating arrangment	04
35	Battery Eliminator	2-12V,3Amp current	04
36	Resistance Box (1 - 10000 ohm)	Resistance Box (1 -10000 ohm)	08
37	Travelling Microscope	Travelling Microscope	04
38	Digital Timmer	Digital Timmer	05
39	Newton's Ring Apparatus with Sodium lamp	Newton's Ring Apparatus set up,Spherometer,Sodium Lamp,Microscope,Transformer for Na lamp,	01
40	V-I characteristics of a Zener diode and its use as voltage regulator	Variable DC supply Voltmeter Range Ammeter Resistance Zener Diode	01
41	SPRING CONSTANT APPARATUS	Adjustable scale on a stand with Helical Spring , Heavy Metal Base Plate, Metal Rod	01
42	V-I & power curves of solar cells, and find maximum power point & efficiency	DC Ammeter DC Voltmeter Solar Cell , Light Source , Intesity Control Switch	01
43	Mercury Lamp	Mercury Lamp	01
44	Resistance Box (1 -50 ohm)	Resistance Box (1 -50 ohm)	04
45	Resistance Box (1 -10 ohm)	Resistance Box (1 -10 ohm)	04
46	Spherometer	Spherometer	10
47	Stop Clock	Stop Clock	05
48	Voltmeter (0-1V)	Voltmeter (0-1V)	10
49	Voltmeter (0-2V)	Voltmeter (0-2V)	10
50	Resistance Box(0-10000 ohm)	Manganin coils	04

51	Semiconductor (Ge) crystal with temperature by four-probe method	FOUR PROBE ARRANGEMENT Thermocouple Sensor Sample : Ge Crystal mounted Thermometer (0-200°C) Four Probe Setup Constant Current Power Supply	01
52	Sextant with stand	Graduated on the arc, Micrometer: L.C- 12" on brass drum, Index Mirror: Rectangular, aluminium spattered, Horizon mirror: Circular, one half transparent, other reflecting half aluminium separated, Shade glasses: Three different densities for direct rays and four Reflected rays, Star Telescope: Galilean monacle, Case: Hard wood, Base: Tripod cast iron material with levelling screw, sextant with Tripod Stand: Material-MS, Telescope: Terrestrial	01
53	Fire extinguisher	ABC Powder type 6kg fire extinguisher, ISI Certified CO2 Capacity 4.5 KG as per ISI standard	03
54	Inverter with its battery and stand	3.5 KVA with Minimum 4 batteries required of capacity 250 Ah Tall tubular (5 year warranty)	01
55 (a)	UPS	600 VA, 360W 2 YEAR WARRANTY	07
55 (b)	Desktop Computer with UPS	Processor : 13 th Gen Intel core™ i5 OS: Windows 11 Memory: 8 GB Storage: 512 GB SSD Display: 19.5 inch Microsoft office 2021 With Mouse and Keyboard 3 Years Warranty	02

SPECIFICATION OF ITEMS FOR CHEMISTRY DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
1	UV-Visible Spectrophotometer	<ol style="list-style-type: none"> 1. Double beam optics 2. Wave length range 190nm-1100nm 3. Function: Basic, photometric wave length scanning, Kinetics, Quantitative etc. 4. Onscreen standard and kinetic curve graphical LCD display 5. Tungsten halogen and Deuterium lamp 6. Stand alone and PC controlled with Windows based software 7. USB port for PC interface and parallel port for printer 8. 4 cell changer or more 9. Accessory: One pair quartz Cuvette of 10 mm path length and 3.5 ml volume 	01

2	Digital Dissolved Oxygen Meter	<ol style="list-style-type: none"> 1. Range: DO – 0-20 PPM Temperature – 0- 60⁰ C 2. Display - 3¹/₂ digital LED 3. Including all accessories – Gold/ Silver amperometric DO probe, set of DO membranes, Temperature Probe, magnetic stirrer and capsule 	01
3	Rotary Shaker	<ol style="list-style-type: none"> 1. Base assembly made from heavy mild steel section, Base size 18"x18" 2. Interchangeable lotus clamps for holding flasks of different capacity 3. Speed range- 200 rpm or more 4. Timer option 	01
4	Polarimeter	<ol style="list-style-type: none"> 1. Research Half shade model 2. Attached with 35 watt Sodium lamp in a metal box 3. Circular 0-360⁰ 	02
5	Distillation unit (All glass)	<ol style="list-style-type: none"> 1. Metal heater 2. 'O' Ring type condenser fixing arrangement 3. Borosilicate glasswares 4. Out put- 4L/hour or more 5. Cooling water requirement 60L/hour 	01
6	COD Analyser (Digester+Vessels+Condensers+ Vessel stands+Condensor stands+ cooling tray, all inclusive)	<ol style="list-style-type: none"> 1. Digester capacity- 15 Samples 2. Sample capacity- 20ml 3. Temp ambient to 400⁰C±10 4. LED display 5. Timer range 2 hours or more 	01
7	Portable UV cabinet	<ol style="list-style-type: none"> 1. Dark room design to view paper chromatography 2. With UV tube (dual wave length) and separate lamp for visible light 3. MS powder coated 	01
8	Magnetic stirrer with hot plate	<ol style="list-style-type: none"> 1. 1L capacity 2. Digital speed 3. SS Top 	02
9	Hot Air Oven	<ol style="list-style-type: none"> 1. 200 to 230 Liter capacity (24''x24''x24'') 2. Inner SS, Outer GI powder coated 3. High insulation 4. Fan for uniform temperature 5. Digital PID with timer 6. Temp ambient to 250⁰C±5 	01
10	Microwave Oven	<ol style="list-style-type: none"> 1. 28L capacity 2. Convection type 3. 40-200⁰C Temperature range 	01
11	Digital Weighing Machine	<ol style="list-style-type: none"> 1. Max load- 220g 2. Accuracy- 0.0001g 3. Digital display 	01
12	Centrifuge	<ol style="list-style-type: none"> 1. Speed- 5000 - 5500 rpm 2. RCF- 200-300g 3. Capacity- 200-300 ml 4. Digital speed indicator 5. Step less speed regulator 6. Imbalance detector with cut-off 7. Safety lid interlock 	01

13	Fire extinguisher	<ol style="list-style-type: none"> 1. Dry powder type 2. Capacity 4 - 4.5kg 3. Suitable for classes of fire A,B,C 4. ISI Certified 	02
14	Water purifier	<ol style="list-style-type: none"> 1. R O system 2. 8 Litres capacity 3. Accessory: food grade pipes, connectors etc 	01
15	Air- conditioner	<ol style="list-style-type: none"> 1. 1.5 ton 2. Split system 3. 5 stars 4. Inverter compressor 5. Copper condenser coil 	01

SPECIFICATION OF ITEMS FOR BOTANY DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
1	Vertical Gel Electrophoresis	No.of gels: 1-2, cassette size: precast 10x 8.3 cm, short plate: 10.1x 7.3cm, spacer plate- 10.1x8.2cm, total buffer volume for 2 gels: 750ml, typical run time: 35-45 mints, 10 well, 1.00mm thickness, 2 gel system : 5 combs, 5 sets of glass plates, 1 casting stand,2 casting frames, sample loading guide, electrode assembly, companion running module tank, lid with power cable, mini cell buffer dam. <u>Power pack basic:</u> Programmable output range, 10-300v,fully adjustable in IV steps,4-400mA, fully adjustable in 1mA steps, maximum power: 75W, Built in timer range: 0-999 min. Output terminal : four(4) pair recessed banana jacks in parallel , display: 3 digit LED, operating conditions: 0-40 deg°c, 0-95% humidity: No load detection,overload and short circuit detection.	01
2	Refrigerated centrifuge	Cooling centrifuge- With Angle Rotor 12X2.2ml Digital Timer : 0-15 min. Speed : 2000-16000rpm Max.RCF: 23000Xg, Timer:0-59min Temp.Range : From room temperature to - 8°C	01
3	UV Transilluminator	UV Transilluminator wavelength-365nm,viewing area 24X14 , uv tube-4x8watt.	01
4	Autoclave	Trippled walled ,PID based Digital control facility capacity- 20Ltr, Load 3Kw, 250X450mm	01
5	Laminar Air-flow	Type II Hepa filter ,Size: 2'X2'X2' – with Mild Steel and pre-filter , working area to be SS and sufficient space for work. Exhaust facility. Indicating lamp, on/off switches, fluorescent lighting, UVtube, folding acrylic door.	01
6	pH Meter	PC based Microprocessor Based, Display : 16 x 2 Alphanumeric, Range : 0 to 14 pH, 0 to 1000mV, Resolution : 0.01 pH, 0.1 mV, Accuracy : ± 4%, Temperature Compensation: Manual, Calibration : 3 Point, Dimension : 275 x 187 x 94 mm (Approx), Power : 220 V ± 10 v AC, Accessories : pH Electrode, Electrode Stand, 3 Buffers and Operating Manual	01
7	Digital Weighing balance	Complete with glass wind shield and one touch function key having sliding door opening/ closing system, maximum	01

		capacity- 220 gm, readability- 0.001 gm, linearity- 0.002 gm, tare range full, platform dimension-120mm, sensitivity temp. drift-3.0, power supply:AC, connectivity-RS-232, overload protection,other inbuilt application: piece counting, percentage weighing, totaling, free factors, internal calibration.	
8	Microwave	28ltr, convection,ceramic ,Eco mode, touch key pad	01
9	Thermal Cyler	96x0.2ml tube/96 well plate 8x12 Method of heating/cooling: Peltier, memory: 500 typical programs on board, Unlimited with USB flash drive expansion, Dimensions:26x47x23cm(WxDxH), Communication:1 USB port. Electrical approvals:IEC,CE, Display:5.7''VGA color touch screen,Operating temp:15-31°C, Ambient ample capacity :96 wellx0.2ml, temp range:4-100 ° C, Accuracy:±0.5degC, uniformity:±0.5degC well to well within 30 sec of arrival at target temp. heated lid:up to 110 ° c, maximum ramp rate: up to 4 °c, Average ramp rate: up to 2.5 °c, Reaction volume:1 to 100 µl, Gradient capability, Gradient range:30-100 °c, Row uniformity:±0.5 of programmed temp., Power supply:230 volt, 50 Hz load 700 watt, wt 9kg	01
10	Thermostatic water bath	Triple Cable, 6 Hole, Digital PID Based ,Temp Accuracy - 1Degree(1°c),Auto cut off .	01
11	Research Microscope	Binocular head, Integrated 6V 20W halogen light illuminator, anti-fungal coated achromatic objectives, stage 120x132mm, Abba condenser,1.25(oil immersion) universal power supply(100V to 240V) dust cover and mirror unit(Plano concave), indention 45 degrees interpupillary distance adjustment range, observation 53-75mm , Metal body	01
12	Deep Freezer	Frost free, Temp. range: -16 to -25°C, Tropical zed at: 43, Capacity: 340ltr, No. of shelves: 7 with flaps, door: Single solid door, Defrost: Auto, High density PUF insulation: 80mm thick, Power consumption: 0.78 unit per 24 hrs, 100% CFC, HCFC & amp, Upright with vertical, solid with self closing, Free with DENFOSS compressor.	01
13	Double distillation unit	Capacity- 2 ltrs per hour,Borosilicate glasses	01
14	Hot air oven	14x14x14 inch digital stainless steel ,2 inner shelves	01
15	Fire extinguisher	ABC Powder type 6kg fire extinguisher, ISI Certified CO2 Capacity 4.5 KG as per ISI standard	02

SPECIFICATION OF ITEMS FOR ZOOLOGY DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
1	Working-cum-Lab equipment keeping Desk	<ul style="list-style-type: none"> • Corrosion and chemical resistant • Dimension: 8 feet length x 4 feet width x 3 feet height • Double access Work table (both side use) 	04

		<ul style="list-style-type: none"> • Top Work Table-thick glossy black Granite • Two racks at top for chemicals • 4 numbers of 5/15A multipoint electric sockets each set will be at mid of the table for both side access. • Bottom supported by thick electro galvanized iron sheet metal construction with powder coated finish • Under bench modular storage system with selves and drawers at below the tables • One knee space at the center 	
2	Inverter and Battery Combo	<ul style="list-style-type: none"> • With trolley • 2KVA with 18000 Battery • Tubular inverter battery 	01
3	Thermal cycler	<ul style="list-style-type: none"> • PCR Capacity: 96 x 0.2 ml PCR tube, 96 well plate • Heating temperature Range 4⁰C-105⁰C • Lid temperature Range 30⁰C-110⁰C • Maximum Heating/Cooling Rate=4⁰C/Sec/3⁰C/Sec • Gradient Temperature Setting Range=30⁰-99⁰C • 5 inch LCD Display • User defined file system: 30 segments 99 cycles max, 16 folders & 16 files in each folder • Power supply=100-120v/200-240v/50 Hz/60Hz • Input Touch panel • Power Off Protection 	01
4	Air conditioner	<ul style="list-style-type: none"> • Capacity = 2 Tons • Convertible • Special Features: Copper Anti-bacterial Filter, Auto Clean (Self Cleaning) • Remote control • 230 V, 1820 W • 3 Star or above • Included Components:1 Indoor Unit, 1 Outdoor Unit, 1 Remote Control, User Manual & 3m Copper wire/interconnecting pipe. 	01
5	Refrigerator (Specimen preserving cabinet)	<ul style="list-style-type: none"> • 628 litres Capacity • Triple door • Freezer capacity:104 litre • Refrigerator capacity 392 litre • Inverter Compressor • Defrost System: Frost Free • 3 Star or above 	01
6	-20 ⁰ C Deep Freezer	<ul style="list-style-type: none"> • Laboratory Deep Freezer • 170L Capacity • Direct Cooling • Microprocessor controlled with alarm • THCF/ CFC Free Refrigerants. • Low power Consumption • Lockable with removable key • -20⁰C Temperature 	01
7	Laminar Airflow	<ul style="list-style-type: none"> • Horizontal • Length 3ft x Width 2ft x Height 2ft • Front door-manual sliding type • Air velocity=0.4-0.6m/s 	01

		<ul style="list-style-type: none"> • With fluorescent LED light and UV light • Prefilter 0.5 micro(washable) • Hepa filters 0.3 micron • Power supply:220 volts/50 Hz 	
8	Micropipette with microtip box	<ul style="list-style-type: none"> • 10 μL • Range 0.5 μL-10 μL • Digital display • Tip ejector • Push button • Microtip box included • Autoclavable Bottom part 	1

SPECIFICATION OF ITEMS FOR ANTHROPOLOGY DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
1	CAMERA	Mirrorless camera with 24-105 STM combo kit	1
2	CAMERA LENS	50mm- STM lens	1
3	Human skeleton map	(70x 100) cm, Rigid lamination on board with aluminum frame	4
4	REFRIGERATOR	PHARMACY REFRIGERATION Capacity: 260 WDF	1
5	MARTIN ANTHROPOMETER ROD	Anthropometer rods complete with scale & carrying bag for height measurement (Length 0-2100mm)	3
6	Seed bag for skull	Mustard seed packet	10
7	Mandibulometer	New version 2021(measuring angle range 20-160)	2
8	Skinfold Calliper	Herpendent type	3
9	Osteometric board	All Metal	3
10	Steel tape	Stanley measuring tape for measurement, 05 meter	8
11	PTC test kit	Phenylthiourea paper stripgenetic taste testing(vial of 100)-30g per strip(1, vial of 1000)	4
12	G6PD Deficiency test kit	Compact G6PD test kit	8
13	Sliding caliper	Martin Type(0-200)	10
14	Spreading Caliper blunt end	Round range(0-600)	5
15	Spreading Caliper pointed-end	Pointed end (0-300)	5

16	Goniometer	MOLLISION TYPE	5
17	Indian archeological sites map(Lower,middle,upper palaeolithic,Mesolithic, Neolithic,bronze and iron age)	(70X100) CM, Rigid lamination on board with aluminum frame	5
18	Demographic Tribal maps of Odisha	(70x 100) cm, Rigid lamination on board with aluminum frame	2
19	DNA Distribution	(70x100) cm, Rigid lamination on board with aluminum frame	3
20	Geographical time scale	(70x100) cm, Rigid lamination on board with aluminum frame	2
21	Karyotyping chart(male,female normal)	(70x100) cm, Rigid lamination on board with aluminum frame	2
22	Karyotyping chart(chromosomal abnormalities- turner, down syndrome, etc)	(70x100) cm, Rigid lamination on board with aluminum frame	2
23	Colour blindness chart	ISHIHARA Colour blindness charts B&W Indians	2
24	Black Powder	Lighttining powder black latent fingerprint powder	2
25	Black powder brushes	Professional magnetic fingerprint brush black (including protective tube case)	3
26	White Powder	White fingerprint powder for latent finger print(30ml per pack)	4
27	White powder brushes	Forensic fibreglass brush for fingerprint	3

SPECIFICATION OF ITEMS FOR HOME SCIENCE DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
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	01
4	Sphygmomanometer	Waterproof ,battery power	01
5	Refract meter	Product Dimensions-19.2x10.2x6.7cms, 68gms with ISI Mark	01
6	PH Meter	Digital PH Meter Mini 2 Point Calibration LJ-141 with ISI Mark	01
7	Stadiometer	Height Measuring Scale Stadiometer for Adults and Children 210 cm With ISI Mark	01
8	Body Fat Meter	Body Composition Monitor HBF-375 With ISI Mark	01
9	Digital Weighing Machine	Portable Electronic Digital Weighing Scale(upto 10kg) with ISI Mark	04
10	RO Water Purifier	6 Stage Purification Copper Technology 6.2L Storage with ISI Mark	02
11	Electric Kettle	2L, Power indicator,auto cut-off, 1500 watts , Detachable 360 degree connector with ISI Mark	04
12	Egg Boiler	400 Watt, Boils upto 6 Eggs at a time, 3 boiling modes, stainless steel body and heating plate, automatic turn off with ISI Mark	04
13	Hand Blender	Hand blender HL-1600/02-650W powerful Motor, single button release, detachable steel rod, compact chopper with 2 years warranty with ISI Mark	04
14	Rice Cooker	400Watt, Steamer Multifunctional rice cooker, 1L with ISI Mark	04
15	Oven Mitten	Cotton Oven Mitten for Microwave with ISI Mark	04 Pairs
16	Hand Masher	Masher with Wooden Handle Size 8.5cm with ISI Mark	04
17	Knife Sharpener	Advance Sharpening tool with ISI Mark	02
18	Icing Gun	12 Pieces cake decorating nozzle with gun with ISI Mark	04
19	Borosil dishes	Glass serving and mixing bowls with lid oven and microwave set 500ml+900ml+1.3L with ISI Mark	02 sets

20	Cake and Cookies Mould	Premium cake making set combo carbon steel, cake baking for microwave, OTG and dishwasher set with ISI Mark	02 sets
21	Food mixer	1000 wt, 5l	01
22	Refrigerator	322 Lt. frost-free, smart inverter double door	01
23	Dinner Set Ceramic	Glass Bone-Ash Free 100% vegetarian and microwave safe 6-full plate,6-mini veg bowl, 6-veg bowl, 6-quarter plate,2-serving bowl,2-serving bowl with lid,6-spoons,1-multiutility bowl	02
24	Cutlery set	Stainless Steel, dishwasher safe, rust resistant, mirror finish,6-tablespoon,6-forks,6-teaspoon,6-knives,1-stand	02
25	Dishwasher	Product dimension-23.5Dx23.6Wx33.3H cm 1300-1599w , free standing ,250kw per hour, fully electronic with ISI mark	01
26	Scanner cum Printer	Dimension-58.1Dx43.4Wx25.98H maximum print speed-12ppm (monochrome)	01
27	Flask for Tea and Coffee	3580ml Dimension-8.5Wx17.1cm Stainless steel (BIG)	01
		1500ml Dimension-13Wx24.6cm Stainless steel (MEDIUM)	01
		1litre Dimension-8.4x8.4x30cm Stainless Steel (SMALL)	02
		400ml Dimension-8.9x8.9x16.8cm Stainless Steel (VERY SMALL)	06
28	Cooking Range with oven and grill	Free standing stainless steel body 60Dx63.5Wx85.5Hcm fuel type gas	01
29	Steel Almirah	Dimension-50Dx90Wx197.5H cm Stainless Steel	04
30	Measuring cup & spoons	Stainless steel	04
31	Chopping board	Stainless-steel	04
32	Ice cube tray with lid	Food grade silicon	04

33	Fire extinguisher	ABC powder type 6Kg fire extinguisher, ISI certified. CO2 Capacity 4.5 kg as per ISI standard	02
34	Small size mixer jar	Chutney jar (250 ml,500ml stainless steel body) 9Lx9W x 9H cm	02
35	Rolling board & pin	Green marble chakla with wooden belan	04
36	Invertor with battery Invertor and battery Combo	1600Wt, output voltage 220, invertor mode, double battery each of 12 volt, Battery details- tall tubular battery. 150 AH/12v LCD display	02

SPECIFICATION OF ITEMS FOR EDUCATION DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
1	Steel Almirah	Dimension- 50Dx90Wx197.5Hcm Stainless Steel	02
2	Fire extinguisher	ABC powder type 6Kg, CO2 Types Fire extinguisher 4.5kg capacity ISI Mark ISO and CE certified product	02

SPECIFICATION OF ITEMS FOR PSYCHOLOGY DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
1	Differential Aptitude Test	K. Owen & H.N. Vosloo, Form K-2008 edition	02
2	Weschler Intelligence Scale for Children Revised (WISC-R)	WISC ®-V Integrated, FSIQ with Primary Index Scores and Ancilliary Index Scores	05
3	Neuroticism	Weinstock, L.M., & Whisman, M.A. (2006)	05
4	16 PF (Cattell)	Raymond B. Catell, PhD, A. Karen Catell, Heather E.P. Catell, PhD	10
5	Aesthesiometer	Stainless Steel 6-inch/150mm Digital Vernier Calliper/Micrometer	05
6	Weight Box	Size 1mg-200gm Brass/Stainless Steel	05
7	SPSS Software	Version 26 with Regression Module and essential Plug-ins	01
8	Thematic Apperception Test	H.A. Murray, 31 picture cards	05

9	Rorschach Inkblot Test	Herman Rorschach, MD, 10 inkblot designs, In Exner Vol. 1 and Workbook	01
10	MMPI	James N Butcher, John R Graham, et.al,	10
11	Becks Depression Inventory	Aaron T. Beck, MD, Robert A. Steer, Gregory K. Brown with Q-Global Scoring & Reporting	10
12	HP Desktop	24-dp 1802in 60.5cm (All-in-one Desktop), Intel Core i5 1135G7/8s GB/256 GB	01
13	Cognitive Assessment Test Scale -2	Ruth A. Rustard, Freeberg, Ann M. Wanttie, et al.	02
14	Anxiety, Depression and stress scale	MASC-2, 2 nd edition, John S. March	20
15	Seguin Form Board Test	Manual Wooden Apparatus and 100 Response Sheets	05
16	Resilience Scale	Dr. Monika & Ms. Shikha(! Manual and 100 Consumable Booklets)	20
17	David battery of Differential abilities Test	Manual, 10 BK of 7 subtests, 100 Graph Sheets, 100 answer sheets and scoring key	01
18	Bhatia battery of performance intelligence for adults	CM Bhatia (50 forms, Koh's Block Design, Alexander's Pass Along test)	02
19	Perceived parental abuse scale	Dr Gargi Sharma (1 manual and 100 consumable booklets)	10
20	Suicidal ideation rating scale	Dr. PN Sharma (1 manual and 100 consumable booklets)	01
21	Achievement Motivation Scale	Prof S.K Srivastava (1 manual and 100 consumable booklets)	10
22	Social media dependency scale	Neha Bhusan (1 manual and 100 consumable booklets)	10
23	Learning Disabilities Diagnostic Inventory	Naveen Kumar, RK Ram (1 manual and 100 consumable booklets)	01
24	Gars-03	James E Gilliam (Examiner's Manual, 50 Summary/Response Forms, Instructional Objectives Manual)	01

SPECIFICATION OF ITEMS FOR MATHEMATICS DEPARTMENT

Sl. No.	Name of the Item	Technical Specifications	No. of Item
01(a).	Desktop Computer System	Processor - Intel Ci5-13 th Gen Motherboard – HD Series RAM – 8GB SSD – 512GB Monitor –22” Windows 11 & MS Office 3Yr Warranty	04
01(b).	UPS Power Models	Power Backup 600VA Dual Battery 2Yr Warranty	07
02.	All in One Printer Black & White	Laser Printer Monochrome Duplex Print, Scan, Copy Wi-Fi, USB Speed Print – 21ppm Paper Size A4, A5, Letter 1Yr Warranty	01
03(a)	2 Ton Split AC	5 Star 5Year Warranty on Compressor 1year warranty on other parts	01
3(b)	Stabilizer	5KV,130v-300V 3Years Warranty	01
4(a)	Inverter Machine	Sine Wave 1750 Watt 2Years Warranty	01
4(b)	Inverter Battery	11 VA 150 HP 4Years Warranty	02
05.	All in One Printer Color	Ink Tank Smart Printer Duplex Print, Scan, Copy Wi-Fi, USB Speed Print – 35ppm Paper Size A4, A5, Letter 1Yr Warranty	01
06.	Server Desktop	Processor - Intel Ci7-13 th Gen Motherboard – HD Series	

	Computer System	RAM – 16GB SSD – 256GB+1TB HDD Monitor – 22” Windows 11& MS Office 3 years warranty	01
07.	Router	Dual Band Wi-Fi	01
08.	Switch	24-Port Giga Switch	01
09.	Lan Cable	D-Link Coper Wire 23Awg	50mtr.
10.	Lan Connection	D-Link Coper Wire 23Awg	
11.	Computer Table with Key Board Rack	30” (w)×24” (D)×30” (H)	04
12.	Computer Chair with Hand Support	Sitting Height 18” Back Rest Height 18” Width 18”	04

[Signature]
03/02/24

Principal

Shailabala Women's (Auto.) College, Cuttack

[Signature]
3/2/24

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

TECHNICAL BID FOR SUPPLY OF EQUIPMENT

Name and address of the firm: _____ (Mandatory)

Contact Person : _____ (Mandatory)

Mobile No. : _____ (Mandatory)

Email ID : _____ (Mandatory)

Security / EMD : Rs. _____

DD No. _____ Date : _____

Bank / Branch : _____

Sl. No.	Item Name/ Brand	Specification
1		
2		
3		
4		

List of documents and sample figures (duly signed and stamped)

1. .
2. .
3. .

Date:

Authorized signatory with seal

**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)

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 :

Authorized signatory with seal

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