



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award

TENDER NOTICE NO -I / 2022-23

Last date to receive Tender : Tuesday, 31st May, 2022 till 12.00 noon

Tender Opening : Tuesday, 31st May, 2022 at 3:00 p.m.

GLASSWARE/
EQUIPMENTS/
CHEMICALS FOR
LABORATORIES

DEPARTMENT OF BIOCHEMISTRY
REQUIREMENT LIST FOR THE YEAR 2022 - 2023

CHEMICALS

Kindly submit the catalogues of below mentioned make for the supply of chemicals to the Biochemistry department of our college.

SR.No. MAKE

1. THOMAS BAKER
2. S.D. FINE
3. HI MEDIA
4. GENEI
5. GLAXO
6. QUALIGEN
7. MERCK
8. SRL
9. LOBA

Specific Chemicals

1. Phenol red
2. Sodium Dihydrogen phosphate
3. Tris buffer
4. Iodine
5. Acetone 2.5ltr
6. Potato dextrose Agar
7. Potato dextrose broth-
8. Manganous sulphate
9. Potassium Iodide
10. Sucrose
11. Cholesterol
12. Calcium chloride
13. MRS media
14. Spirit
15. Absolute ethanol
16. Temed
17. Potassium Phosphate
18. Sabauraud dextrose broth
19. Ortho phosphoric acid
20. Giemsa stain
21. Lactophenol cotton blue

22. Pine oil
23. Antibiotics

NOTE:

mention the discount & taxes applicable for the above requirements.

GLASSWARES

Kindly submit the catalogues of below mentioned make for the supply of Glassware to the Biochemistry department of our college.

SR.No.	MAKE
1.	BOROSIL
2.	J SIL
3.	MERCK
4.	LOBA
5.	TARSONS

Glasswares:

1. Wintrobe tubes with stand
2. Pasture pipettes
3. Conical flask- 50ml, 150ml, 250ml, 500ml, 1000ml
4. Beakers:- 50ml, 150ml, 250ml, 500ml, 1000ml
5. L shaped spreaders
6. Separating funnel
7. Haemocytometer
8. Blood diluting pipettes (RBC & WBC)
9. Petriplates
10. Reagent Bottles
11. Cover slips
12. Slides
13. Durham tubes

NOTE: Kindly mention the discount & taxes applicable for the above requirements.

APPARATUS (OTHER ITEMS)

Teaching Kits:

Gemomic DNA extraction kit

Transformation kit

Restriction digestion kit

Plasmid Isolation kit

API stripes (fermentation and nitrogen)

Others:

Syringe filter (0.22 micron)

Pipette pumps

Plastic centrifuge tubes

Butter papers

Filter papers (Blotting papers)

Inoculation loops (2)

Autoclavable bags

Whatmann filter paper

Tissue rolls

EQUIPMENTS

1. Single beam UV-Visible Spectrophotometer
2. Protein electrophoresis apparatus with power pack
3. Distillation unit (BIOERA)
4. Precision balance
5. Induction cook top
6. Printer cum scanner
7. Computer (desktop)

DEPARTMENT OF BIOTECHNOLOGY
REQUIREMENT LIST FOR THE YEAR 2022 - 2023

CHEMICALS

Kindly submit the catalogues of below mentioned make for the supply of chemicals to the Biotechnology department of our college.

SR.No.	MAKE
1.	THOMAS BAKER
2.	S.D. FINE
3.	HI MEDIA
4.	GENEI
5.	GLAXO
6.	QUALIGEN
7.	MERCK
8.	SRL
9.	LOBA

SPECIFIC CHEMICALS

- 1) Agarose, High melting or High EEO (Molecular biology grade) (Make – Hi Media/SRL technologies)
- 2) Lactose broth
- 3) Nutrient broth
- 4) Agar powder
- 5) Luria Bertani broth
- 6) Simmons citrate agar
- 7) Potassium Iodide
- 8) Manganese sulphate
- 9) Giemsa stain
- 10) Leishman stain
- 11) Diethyl ether
- 12) TEMED
- 13) SDS PAGE kit (Make –Hi Media)
- 14) Trypsin EDTA 1X solution (0.25% trypsin, 0.02% EDTA, without Calcium, magnesium and phenol red)[Make –Hi Media]
- 15) Fetal Bovine Serum, Research grade, sterile filtered,10x50ml (Make –Hi Media)
- 16) Dulbeccos's Modified Eagle's Medium(DMEM), High Glucose,without L-glutamine (Make –Hi Media)
- 17) Dulbeccos's Phosphate Buffered saline 10X and 1X(Make –Hi Media)

- 18) Dulbeccos's Phosphate Buffered saline (without phenol red, calcium and magnesium),10X (Make -Hi Media)
- 19) Dulbeccos's Phosphate Buffered saline (without phenol red, calcium and magnesium),1X (Make -Hi Media)
- 20) RPMI-1640 media, with sodium pyruvate, L-glutamine, glucose, sodium bicarbonate, without HEPES buffer, 5x100 ml (Make-Hi Media)
- 21) RPMI-1640 media, with sodium pyruvate, L-glutamine, glucose, HEPES buffer and sodium bicarbonate, 500 ml (Make-Hi Media)
- 22) RPMI-1640 media, with sodium bicarbonate and L-glutamine, 5x100 ml (Make-Hi Media)
- 23) Antibiotic antimycotic solution 100X liquid (Make – Hi Media)
- 24) AbsoluteEthanol(99.9%)
- 25) Colcemid (Make-Hi Media)
- 26) Sodium thiosulphate
- 27) Concentrated sulphuric acid
- 28) Potassium dichromate
- 29) Crystal violet stain
- 30) Resazurin dye
- 31) Methylene blue stain
- 32) Disodium-p-nitrophenyl phosphate
- 33) Sodium benzoate
- 34) Phenol red indicator
- 35) Simmons citrate agar
- 36) Dialysis tube/membrane
- 37) Sucrose
- 38) Diethyl ether
- 39) Sodium bicarbonate
- 40) Potassium Phosphate
- 41) Orthophosphoric acid
- 42) Iso-propanol
- 43) Peptone powder
- 44) Beef extract powder
- 45) Xylene
- 46) Clinical Spirit

NOTE:

Kindly mention the discount & taxes applicable for the above requirements.

DEPARTMENT OF BIOTECHNOLOGY

GLASSWARES

Kindly submit the catalogues of below mentioned make for the supply of Glassware to the Biotechnology department of our college.

SR.No.	MAKE
1.	BOROSIL
2.	J SIL
3.	MERCK
4.	LOBA
5.	TARSONS

SPECIFIC GLASSWARE

- 1) Conical flask-- narrow mouth with rim--Capacity-25 ml,50ml, 100ml, 250ml,500 ml,1000ml
- 2) Beakers – Capacity-50ml, 100ml, 250ml,500 ml,1000 ml
- 3) Glass L-shaped spreaders(number required-10)
- 4) Reagent bottle (Amber) narrow mouth with screw cap--100ml, 250ml,500ml
- 5) Reagent bottles narrow mouth with screw cap-- 100ml, 250ml,500ml
- 6) Glass filter funnel 75mm
- 7) Glass Petriplates 90mm
- 8) Boropure glass filtration assembly, 47mm,with bottle (Make-Borosil)
- 9) BOD bottles(amber)--125ml,300 ml
- 10) Microscope glass slides(packing 50)

NOTE:

Kindly mention the discount & taxes applicable for the above requirements.

DEPARTMENT OF BIOTECHNOLOGY

PLASTICWARE, CONSUMABLES AND APPARATUS (OTHER ITEMS)

(KINDLY MENTION THE MAKE AND SPECIFICATION OF THE APPARATUS IF ANY)

SR.No.	MAKE
1.	TARSONS
2.	HI MEDIA
3.	J SIL
4.	MERCK
5.	LOBA
6.	BOROSIL
7.	BIOLIT
8.	BIOERA

SPECIFIC PLASTICWARE,CONSUMABLES AND APPARATUS

- 1) Micropipettes of different ranges- (Make--Borosil, Himedia, Biolit,Tarsons,Bioera)

- 2) 0.45 um membrane filter for vacuum filtration unit(Make – Merck/ Tarsons)
- 3) 0.2-10uL microtips(Make – Tarson)
- 4) 10-100uL microtips(Make – Tarson)
- 5) Microtip box (Capacity 0.2-10uL)(Make – Tarson)
- 6) Microtip box (Capacity 2-200uL) (Make – Tarson)
- 7) Microtip box (Capacity 200-1000uL) (Make – Tarson)
- 8) Macrotip box (Capacity- 5ml) (Make – Tarson)
- 9) Centrifuge tube storage box (Capacity-15ml) (Make – Tarson)
- 10) Centrifuge tube storage box (Capacity-50ml) (Make – Tarson)
- 11) Conical centrifuge tube rack(for 50 ml and 15 ml tubes) (Make – Tarson)
- 12) Universal combi rack (Make tarsons)
- 13) Cryo cube box(Make – Tarson)
- 14) 96-well tissue culture plates, sterile, 0.3 cm², surface treated, packing-50 (make-Hi Media/ Tarsons/NEST)
- 15) 24-well tissue culture plates, sterile, 1.9 cm²,surface treated, packing-50 (make-Hi Media/ Tarsons/NEST)
- 16) Tissue culture flask –surface treated with vented filter cap sterile, Size 25 cm² . Packing-200 (Make – Hi media/ Tarsons/NEST)
- 17) Dialysis membrane-50, 1MT (Make – Hi-media)
- 18) Syringe driven filters, Size-0.22 um (Make – Hi media)
- 19) Syringe driven filters, Size-0.45 um (Make – Hi media)
- 20) Cellulose acetate membrane filters: 47mm, Sterile, Pore Size-0.45 um and 0.22um, Packing -100 (Make – Hi media)
- 21) PVDF hydrophilic membrane filters: 47mm, Sterile, Pore Size-0.45 um and 0.22um, Packing -100 (Make – Hi media)
- 22) PES membrane filters: 47mm, Sterile, Pore Size-0.45 um and 0.22um, Packing -100 (Make – Hi media)
- 23) Cellulose nitrate membrane filters: 47mm, Sterile, Pore Size-0.45 um and 0.22um, Packing -100 (Make – Hi media)
- 24) Cellulose nitrate membrane filter, non-sterile, Pore Size-0.45 um and 0.22um, Packing -100 (Make – Borosil)
- 25) Nylon 66 membrane filter, non-sterile, Pore Size-0.45 um and 0.22um, Packing -100 (Make – Borosil)
- 26) Whatmann filter paper, 125mm (Make – Tarson/ Hi media)
- 27) Autoclavable biohazard bags (Make-Tarsons/Hi media)
- 28) Lancets
- 29) Cover slips or Cover glass
- 30) Coverslips for Neubauer chamber.hemocytometer (Make:Borosil/Tarsons)
- 31) Glass Slides (Make :Borosil)
- 32) pH test strips (pH Range 1-14) (Merck/ Tarsons)

- 33) Muslin cloth
- 34) Butter paper
- 35) Filter papers (Blotting papers)
- 36) Safeskin nitrile gloves , 9.5" length (Make- Tarsons)
- 37) Surgical masks
- 38) Inoculation loops (Number required-10) (Make – Tarson)
- 39) Blood diluting tubes or RBC/WBC diluting tubes (Make-Borosil)
- 40) Durhams tubes (Make- Borosil)
- 41) Polygon Magnetic stirrer bar, Size 8x22mm (Make – Tarson)
- 42) Vacuum filtration unit with 47mm filter holder (Make :Tarson)
- 43) Vacuum Filtration assembly 47mm, polypropylene (autoclavable) (Make-Hi media)
- 44) Membrane filter holder -47mm, capacity upper and lower chamber 500ml each (Make-Tarson)
- 45) Pipette aid for 10 ml and 25 ml glass pipettes(make –Tarsons)
- 46) Double immune diffusion for antigen antibody pattern kit(Make-Hi media)
- 47) Dot ELISAKit(Make-Hi media)
- 48) Transformation kit (Make-Hi media)
- 49) Plasmid isolation kit (Make-Hi media)
- 50) WIDAL TEST kit (Make-Hi media)
- 51) Blood grouping kit (Make-Hi media)
- 52) Gel filtration chromatography kit
- 53) SDS-PAGE Kit
- 54) Southern blotting kit

DEPARTMENT OF BIOTECHNOLOGY

EQUIPMENTS (KINDLY MENTION THE MAKE AND SPECIFICATION OF THE EQUIPMENT)

Justification: The equipment are vital for efficient delivery of practicals due to increased student strength.

SR.No.	MAKE
1.	LABTOP
2.	MICROFILT
3.	BIONICS SCIENTIFIC TECHNOLOGIES
4.	MICROLAB
5.	BIOLINE INDIA
6.	THERMOFISHER SCIENTIFIC
7.	STERICOX
8.	TARSONS
9.	BIOLIT

10. BIOERA
11. THOMAS SCIENTIFIC

SPECIFIC EQUIPMENT

- 1) Biosafety cabinet –Class II, Type A1,A2 –4'x2' (Make – Microfilt/ Labtop)
- 2) Laminar Air Flow -Vertical –Size: 4' x 2' x 2(Make-Labtop/ Microfilt)
- 3) Laminar Air Flow - Horizontal –Size: 4' x 2' x 2 (Make-Labtop/Microfilt)
- 4) Laminar Air Flow -Vertical -Size: 6' x 2' x 2(Make-Labtop/Microfilt)
- 5) Laminar Air Flow - Horizontal -Size: 6' x 2' x 2(Make-Labtop/Microfilt)
- 6) Horizontal laboratory Deep Freezer -- Temperature range (-50°C) to (-86°C) – Size: 185 litre capacity (Make –Bionics scientific technologies)
- 7) Vertical Ultra low temperature Freezer -Temperature range (-50°C) to (-86°C)--Size: 84 litre capacity (Make –Bionics scientific technologies)
- 8) -80°C Ultra low temperature benchtop freezer--Size: 28 litre capacity (Make – Thermofisher scientific)
- 9) -80°C Ultra low temperature chest freezer--Size: 85 litre capacity(Make – Thermofisher scientific)
- 10) Biofreezer- 90 Liter (-20°C) to (-40°C) [Make-Labtop]Ultra Low Vertical Biofreezer--Size: 90 L capacity (-40°C) to (-80°C) [Make – Labtop]
- 11) Minus 80 Degree Deep Freezer --Size:100 L capacity[Make – Stericox]
- 12) Ultra Low Temperature Freezer – Size:100 L capacity (-40 °C to -80 °C) [Make – Stericox]
- 13) Analytical Weighing balance, Min-2mg and Max-220g (Make : Hi media/ Labtop/ Citizon)
- 14) High Speed Research centrifuge,Max speed:20000 rpm (Make : Labtop)
- 15) Magnetic stirrers , Size 10X10 cm or 18x18 cm (number required-3) (Make: Tarsons/ Labtop/Borosil)
- 16) Basic series Magnetic stirrer (Size: 120mm)(Make-Hi Media/Borosil)
- 17) Basic hotplate stirrer (Size: 140mm) (Make-Hi Media/Borosil)
- 18) ELISA microplate reader (Make:Microlab/ Bioline India/ Agilent technologies/Thermofisher scientific)
- 19) Spinix vortex shaker with speed control(Make-Tarson)
- 20) **Variable Micropipettes**
 - Micopipette Variable Volume Range 5 – 50µl (Make-biolit/tarsons)
 - MicroPipette Variable Volume Range 20 – 200µl(Make-biolit/tarsons)
 - MicroPipette Variable Volume Range 10 – 100µl ((Make-biolit/tarsons)
 - MicroPipette Variable Volume Range 1 – 10µl (Make-biolit/tarsons)

DEPARTMENT OF BOTANY

REQUIREMENT LIST FOR THE YEAR 2022 - 2023

CHEMICALS (MAKE: THOMAS BAKER/ HI MEDIA/ GENEI/ MERCK/ LOBA)

Sr.	Name of the Chemical	Qty. Required
1.	Acetic acid	2.5 Ltrs.
2.	Acetone	2.5 Ltrs.
3.	Benzene	500 ml
4.	Calcium Nitrate	250 gm
5.	Carmin	2 x 5 gm
6.	Cellulase	5 gm
7.	Chloroform	2 x 500 ml
8.	di-Potassium Hydrogen phosphate	2 x 500 gm
9.	EDTA	2 x 500 gm
10.	Ethidium Bromide	1 gm
11.	Ethyl alcohol	2 x 5 L
12.	Ethylene Glycol	500 ml
13.	Formaldehyde	5 Ltrs.
14.	Glycerine	2 x 500 ml
15.	Macerozyme	2 x 5 gm Hi media
16.	Nutrient Agar(Hi media)	2 x 100 gm Hi media
17.	Nutrient Broth(Hi media)	100 gm Hi media
18.	Potassium Chlorate	500 gm
19.	Potassium permanganate	500 gm
20.	Potato Dextrose Agar(Hi media)	500 gm Hi media
21.	Sodium Bicarbonate	500 gm
22.	Sodium Carbonate(anhydrous)	500 gm
23.	Sodium Hypochlorite	2 x 500 ml
24.	Sulfuric acid	2.5 Ltrs.
25.	Tris HCl	100 gm

NOTE:

Kindly mention the discount & taxes applicable for the above requirements.

GLASSWARES (MAKE: BOROSIL/ J SIL/ LIT)

Sr.	Name of the Glassware	Qty. Required
1.	Beaker - 50 ml	24 Nos.

2.	Beaker – 100 ml	24 Nos.
3.	Beaker – 2000 ml	01 No.
4.	Burettes – 25 ml	4 Nos.
5.	Conical flask- 100 ml	24 Nos.
6.	Conical flask- 250 ml	2 4 Nos.
7.	Conical flask- 2000 ml	1 No.
8.	Culture tubes – 50 ml	12 Nos.
9.	Glass rods – 8"	12 Nos.
10.	Measuring Cylinder – 10 ml	06 Nos.
11.	Measuring Cylinder – 25 ml	06 Nos.
12.	Measuring Cylinder – 50 ml	04 Nos.
13.	Petriplate – 6 " (Big Size)	12 Nos.
14.	Petriplate – 4 " (Small size)	12 Nos.
15.	Reagent Bottles with plastic cap – 25 ml	12 Nos.
16.	Reagent Bottles with plastic cap – 50 ml	06 Nos.
17.	Reagent Bottles with plastic cap – 100 ml	06 Nos.
18.	Volumetric flask-100 ml	04 Nos.

NOTE:

Kindly mention the discount & taxes applicable for the above requirements.

EQUIPMENTS

(Kindly mention the make and specification of the equipment)

Sr.	Name of the Item
1.	Analytical Balance
2.	Binocular microscope
3.	Compound microscopes
4.	Magnetic Stirrer
5.	Plant Growth Chamber
6.	Reflectometer
7.	Rotary shaking temperature control Incubator
8.	Water distillation unit
9.	Heating Mantle

NOTE:

Kindly mention the discount & taxes applicable for the above requirements.

SPECIAL ITEMS

Sr.	Name of the Item
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1.	DNA ladder (1kb)
2.	PCR kit
3.	Penicillium (preserved)
4.	Polysiphonia
5.	Puccinia
6.	PVLG(Poly Vinyl alcohol Lacto Glycerol)
7.	Restriction enzymes E Co R1 or Hind3
8.	RNAase
9.	Syber green for DNA
10.	Vermiculite
11.	Syringe filter(Make: Himedia)

NOTE:

(Kindly mention the make and specification of the above item if any)

APPARATUS (OTHER ITEMS)

(Kindly mention the make and specification of the apparatus if any)

Sr.	Name of the Item
1.	Absorbent cotton
2.	Aluminium foil
3.	Aluminium trays
4.	Asbestos gloves/Cotton gloves
5.	Autoclavable bags
6.	Burette stand
7.	Capillary tubing's
8.	Carboy (10 Ltrs.)
9.	Clinging film
10.	Cocopeat
11.	Cork borers
12.	Cover slips (big size)
13.	Droppers (Glass/Plastic)
14.	Dropping bottles (60ml) with dropper)
15.	Filter papers (Blotting papers)
16.	Forceps (Pointed and Blunt)
17.	Glass cuvettes(for spectrophotometer)
18.	Glass rods
19.	Grafting Knife
20.	Grafting tape
21.	Haemocytometer

22.	Inoculation loops
23.	Lux meter
24.	Magnetic stir bars
25.	Micropipettes (Fixed volume)
26.	Micropipettes (Variable volume)
27.	Micropipette tips
28.	Mortar & Pestle
29.	Non absorbent cotton
30.	Occular meter
31.	Pair of tongs
32.	pH papers
33.	Plastic trays(12" x 8")
34.	Plastic trays(8" x 6")
35.	Pointer eye piece
36.	Scalpel blades
37.	Scalpel holders
38.	Sieves with mesh size (37µm, 45 µm, 75 µm, 106 µm, 150 µm, 250 µm)
39.	Slides
40.	Stage micrometer
41.	Surgical gloves
42.	Surgical masks
43.	TLC jars (chromatography chamber)
44.	Tripod stand
45.	Water can
46.	Water sprayer
47.	Whatmann Filter paper No.1

DEPARTMENT OF CHEMISTRY**REQUIREMENTS FOR THE ACADEMIC YEAR 2022-23**

1. Unless otherwise stated, all chemicals should be of laboratory reagent (L.R.) grade.
2. Tenderers should specify the brand of chemicals . Preference will be given to the brand like Loba, S.d.fine, Thomas Baker.
3. Rates should be quoted after giving all types of discounts.
4. Quantities indicated are subject to change without notice.
5. Clarification, if any, can be had from the Head of Chemistry Department.

A. Organic Chemicals:

Sr. No.	Item	Brand	Rate	Per	Qty. Required
1	Acetic acid				2 x 2.5L
2.	Acetone				4 x 2.5L
3	Acetyl Acetone				2 x 500ml
4	2-Amino Phenol				1 x 100g
5	p- Amino Phenol				2 x 250g
6	Benzil				4 x 250g
7	Benzimidazole				1 x 500g
8	n-Butyl Alcohol				2 x 500ml
9	Chloroform				4 x 500ml
10	N-Cetyl N,N,N-Trimethyl Ammonium Bromide				1 x 100g
11	Chlorobenzene				2 x 500ml
12	1,2-Dichloroethane (Ethylene Chloride)				4 x 500ml
13	Dichloromethane				1 x 500ml
14	Dimethyl Glyoxime (DMG)				4 x 250g
15	Diethyl ether				4 x 500ml
16	Ethyl Alcohol				40 litre
17	Ethyl acetate				4 x 500ml
18	Ethylenediamine				4 x 500ml

A. Organic Chemicals:

Sr. No.	Item	Brand	Rate	Per	Qty. Required
19	Hydroxylamine Hydrochloride				2 x 100g
20	Imidazole				1 x 500g

21	Litmus Paper				6 pkts
22	Methyl Alcohol				10 x 500ml
23	Methyl Acetate				2 x 2.5litre
24	o-Methoxy Phenol				1 x 100g
25	Nitrobenzene				4 x 500ml
26	Paraffin liquid				2 x 500ml
27	Petroleum Ether 40c - 60c				4 x 500ml
28	o-Phenylene diamine				2 x 500g
29	Thiamine Hydrochloride				2 x10g
30	Triphenyl Phosphine				2 x 250g
31	Toluene				4 x 500ml

B .Inorganic Chemicals:

Sr. No.	Item	Brand	Rate	Per	Qty. Required
1	Ammonia (liquor)				4 x 2.5L
2	Ammonium Chloride				2 x 500g
3	Buffer tablet 4				4 x 10 tab
4	Cobalt chloride				2 x 500g
5	Cobalt Sulphate				1 x 500g
6	Ferrous Sulphide				4 x 1kg
7	Hydrochloric acid				6 x 2.5L
8	Iodine mono chloride				2 x 100g
9	Indian filter paper ordinary				6 reams
10.	Whatman filter Paper No.1 Ream sheets				100 nos
11.	Whatman filter PaperNo.1 circles 11.5cm				4 pkts
12.	Whatman filter PaperNo.41 circles 11.5cm				4 pkts
13.	Whatman filter PaperNo.42 circles 11.5cm				2 pkts
14.	Narrow range pH Papers (range 1 to 14)				4 pkts
15.	Nitric Acid				2 x 2.5litre
16.	Palladium Chloride				1 x 5g
17.	Potassium Iodide				1 x 500g

18.	Potassium Hydrogen Pthalate				2 x 500g
19.	Sodium Acetate (trihydrate)				2 x 500g
20.	Sodium Acetate (Anhydrous)				2 x 500g
21.	Sodium Hydroxide (Pellets)				8 x 500g
22.	Sodium Hypophosphite				1 x 500g
23.	Sodium Metal				1 x 250g
24.	Sodium Bicarbonate				2 x 500g
25.	Stannous Chloride				1 x100g
26.	Sulphuric Acid				2 x 2.5litre
27.	Zinc Metal plates				10 nos

C. Glassware & Sundry Items

Sr. No.	Item	Rate	Per	Qty. Required
1	Beaker 50ml borosil glass			20 nos
2	Beaker 100ml borosil glass			30 nos
3	Beaker 250ml borosil glass			20 nos
4	Beaker 500ml borosil glass			20 nos
5	Burettes with boroflow screw thread 25 x 0.1m l class B borosil glass.			20 nos
6	Burettes with boroflow screw thread 50 x 0.1m l class B borosil glass.			20 nos
7	Bunsen burner for use with L.P.G.			12 nos
8	Bark cork no. 13			30 nos
9	Silica crucible capacity 15ml Brand Thiasil.			20 nos
10	Measuring Cylinder capacity 100ml			10 nos
11	Flask Conical, Erlenmeyer borosil glass Capacity, 100ml			20 nos
12	Flask Volumetric with stopper class B borosil glass Capacity, 50ml			10 nos
13	Flask Volumetric with stopper class B borosil glass Capacity, 100ml			10 nos
14	Filter flask 500ml Borosil			10 Nos
15	Round bottom flask 25ml with B-10 joints			30 nos
16	Hickman head with two B-joints			30 nos

17	Water condenser with two B-10 joints			30 nos
18	Funnel short stem 3" (Borosilicate glass)			40 nos
19	Separating Funnel 125ml with Teflon cork Borosil glass			20 Nos
20	Stalgmometer (straight type) Borosilicate or Jsil brand			20 nos
Sr. No.	Item	Rate	Per	Qty. Required
21	Viscometer, borosilicate glass			20 nos
22	Pipe-clay triangle in thick G.I. wire side 2"			60 nos
23	Graduated pipette 25ml			10 nos
24	Graduated pipette 25ml			10 nos
25	Spoon Spatula 4"			20 nos
26	Test tube brush Nylon bristles semi micro			60 nos
27	Test tube holder			24 nos
28	Melting point capillaries Neutral glass One end sealed			20 pkts
29	Ignition tubes (fusion tubes),N.G. glass			10 pkts
30	Thermometer 0-350 c x1c			20 nos
31	Glass droppers 5"			50 nos
32	Plastic droppers 5"			50 Nos
33	Buckner funnel 2" (porcelain)			10 nos
34	Rubber teats for glass dropper			50 nos
35	Rubber cones for sintered glass crucible			10 nos
36	Rubber cork No.12			10 nos
37	Rubber tubings 8mm diam			10mtre
38	Rubraflex tubing 8mm diam			5 mtre
39	Wire Gauze with asbestos on both side			60 nos
40	Screw clips			20 nos
41	Magnetic pellets (length 12mm)			10 nos

42	Magnetic Pellets (length 24mm)			10 nos
43	Glass trough circular diameter 30cm depth/ Height 15cm to 20cm, borosilicate or Neutral glass			02 Nos

C- EQUIPMENTS

Sr. No.	Items	Rate	Per	Qty. Required
1	Calomel Electrode			4 nos
2	Silver Electrode			2 nos
3	Platinum Electrode			2 nos
4.	Chromium Electrode			2 nos
5.	Nickel Electrode			2 nos
6.	Incinerator (Electric Bunsen burner)			4 nos
7.	Electroplating Equipment for Laboratory purpose.			1 no.
8.	Electro less plating bath			1 no.
9	Equipment for corrosion studies			1 no.
10	Double distilled water plant			1 no
11	Refrigerator 300 litre			1 no
12	Grade 'A' Grey colour Agate Mortar & pestle size 5"			1 no
13	Digital Balance 0.01gm			1 no.
14	Acid Dispenser			1 no
15	Conductivity meter,			2 nos
16	Water bath 12 holes			1 no
17	Hot air Oven			1 no.
18	Polari meter, manual			2 nos
19	Filing Cabinets			6 nos
20.	Paper Electrophoresis instrument			2 nos
21.	Turbidity meter			2 nos

E- MISCELLANEOUS ITEMS

Sr.No.	Items	Rate	Per	Qty. Req.
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1.	Hand wash liquid			10litre
2.	Gas Cylinder refilled			15 nos
3.	Detergent powder			4 x 250g
4.	Napkins			12 nos
5.	Paint brush to clean balance			4 nos
6.	Pen cell for wall clock			6 nos
7.	Mask			16 nos
8.	Hand gloves			7 nos

DEPARTMENT OF GEOLOGY
TENDER REQUIREMENT FOR THE YEAR 2022-23

SR.NO.	EQUIPMENT/ INSTRUMENT/ LAB. CONSUMABLES	QUANTITY
1	Water Testing Kits TDS - pH - Temperature Meter Turbidity Meter Secchi Disk Portable Water Level Meters TSS (Total Suspended Solids)	
2	Sledge Hammer	02 nos.
3	Plane table	01 no.

DEPARTMENT OF PHYSICS
List of requirement for the year 2022-23

Equipments:

Sr.no	Name of the Equipment	Quantity
1	Head Phones	2
2	Telescope fitted with gauss eye piece and cross wire mounted on the inner frame of Telescope(not graticule on eye piece)	4
3	Adjustable slit (self-centering)	4
4	Lamp and Scale Setup	2
5	Digital Stop Watches	6
6	Cathode Ray Oscilloscope	4
7	Signal Generators 100 MHZ	2
8	Oscilloscope Probes(BNC Connectors)	6
9	Multimeters for High Frequency Measurements	2
10	Experimental setup for Poiseuilles method	2
11	Experimental setup for Constant volume air thermometer	2
12	Experimental setup for Constant pressure air thermometer	2

Glassware:

Sr.no	Name of the Glassware	Quantity
1	Glass Slides	6
2	Measuring Cylinder 100ml, 250ml)	6
3	Test tubes.	6
4	Beakers(100ml, 250ml)	6
5	Desiccator	6

Chemicals

Sr.no	Name of the chemicals	Quantity
1	Acetone (AR).	4
2	Toulene (500ml).	4

DEPARTMENT OF ZOOLOGY
REQUIREMENT LIST FOR THE YEAR 2022 - 2023

CHEMICALS

Kindly submit the catalogues of below mentioned make for the supply of chemicals to the Zoology department of our college.

SR.No.	MAKE
1.	THOMAS BAKER
2.	S.D. FINE
3.	HI MEDIA
4.	GENEI
5.	GLAXO
6.	QUALIGEN
7.	MERCK
8.	SRL

NOTE:

Kindly mention the discount & taxes applicable for the above requirements.

DEPARTMENT OF ZOOLOGY

GLASSWARES

Kindly submit the catalogues of below mentioned make for the supply of Glassware to the Zoology department of our college.

SR.No.	MAKE
1.	BOROSIL
2.	J SIL
3.	MERCK
4.	LOBA

NOTE:

Kindly mention the discount & taxes applicable for the above requirements.

DEPARTMENT OF ZOOLOGY

APPARATUS (OTHER ITEMS)

(KINDLY MENTION THE MAKE AND SPECIFICATION OF THE APPARATUS IF ANY)

1. Haemocytometer
2. Micropipettes of different ranges
3. WBC pipettes
4. RBC pipettes
5. Cover slips
7. Slides
8. TLC jars (chromatography chamber)
9. Dropping bottles (60ml) with dropper

10. Pointer eye piece
11. pH papers
12. Butter papers
13. Filter papers (Blotting papers)
14. Mortar & Pestle
15. Inoculation loops
16. Capillary tubes
17. Test tube holders
18. TLC plates
19. Micro centrifuge tubes
20. Surgical gloves
21. Surgical masks
22. Autoclavable bags
23. lancete
24. cling paper
25. Whatman Filter papers

DEPARTMENT OF ZOOLOGY

EQUIPMENTS (KINDLY MENTION THE MAKE AND SPECIFICATION OF THE EQUIPMENT)

1. Binocular microscope
2. Dissection microscopes
3. Compound microscopes
4. Table Top pH meter
5. Hot air Oven
6. Refrigerator
7. Plant Growth Chamber
8. Analytical Balance
9. Spectrophotometer
10. Magnetic Stirrer
11. Vortex
12. Distillation Unit for alcohol distillation
13. Water distillation unit
14. Compass
15. Binoculars
16. Spotting Scopes
17. GPS devices
18. Camera traps
19. Conductivity Meter
20. Colorimeter

DEPARTMENT OF GEOGRAPHY AND RESEARCH CENTER (UG- Aided)
TENDER REQUIREMENTS
2022-23

LAB EQUIPMENTS

SR.NO.	PARTICULARS	QUANTITY
1.	Rotameters / Map Measurers	10 Nos.
2.	Digital Microscope	01 No
3.	Air Quality Monitoring Devices	02 Nos.
4.	Thin section of samples of Rocks and Minerals	01 Set
5.	Analytical Weighing Scale	01 Nos.
6.	Digital Weighing Scale (upto 10 kg)	01 Nos.
7.	Filter Papers	50 Nos.

LAB CHEMICALS

SR.NO.	PARTICULARS	QUANTITY
1.	Liquor Ammonia	500 ml
2.	Eriochrome Black T indicator	25 gm
3.	Silver Nitrate (AgNO ₃)	25 gm
4.	Potassium Chromate	500 gm
5.	Barium Chloride	500 gm

SPORTS ITEMS

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS MANAGEMENT
LIST OF SPORTS EQUIPMENTS AND SPORTS JERSEIES REQUIRED
FOR YEAR 2022-23

Sr No.	Details of Sports Equipment/Sports Wear	Specification	Brand	Quantity
1.	Football		Nivia-Shining Star	30
2.	Futsal	Glossy Surface	Nivia-Force	12
3.	Football socks	Orange and Black	--	48
4.	Shin guard	Football	Nivia	24
5.	Shin guard	Futsal	Nivia	24
6.	Football/Futsal ball Carrying Net	For 12 Balls	Cougar	2
7.	Air Pump for Balls	Manual	Koxtan	1
8.	Air Pump for Balls	Electrical		1
9.	Air Pressure gauge	For measuring Air Pressure		1
10.	GK Gloves	Small/Medium/large	Nivia	2
11.	GK Jersey and Shorts	Blue and Red with Logo and Number /Dry Fit		8
12.	Bibs	Yellow/Blue dry fit		20 each
13.	Referee T Shirt and Shorts	T Shirt: Fluorescent Pink/ Yellow Shorts: Black		6
14.	Whistle			10
15.	Basketball	No 6 & 7	Nivia/Cosco /Spartan	5 Each
16.	Basketball Net	Cotton/Nylon		6 pairs
17.	Basketball T Shirt and Shorts	Black and Orange with Logo and Number /Dry Fit		
18.	Volleyball		Nivia/Cosco	5
19.	Volleyball Net	Cotton/Nylon		3
20.	Volleyball Knee pad	Cotton plain, nylon plain		24
21.	Volleyball T Shirt and Shorts	Black and Orange with Logo and Number /Dry Fit		
22.	Handball	Men & Women	Nivia/Cosco	2 Each
23.	Cricket Season Ball	Red (Not More Than Rs 400)	Famex	36
24.	Cricket Season Ball	White (Not More Than Rs 400)	Famex/BAS/S G	12

25.	Cricket T Shirt and Pants	White and Orange with Logo and Number /Dry Fit		
26.	Cricket T Shirt and Pants	Black and Orange with Logo and Number /Dry Fit		
27.	Hockey Ball		Nivia	6
28.	Hockey Sticks	Glass Fibre	Rakshak/Vampire	10
29.	Baseball			6
30.	Baseball Bat	Light/ Medium /Heavy		1 Each
31.	Baseball Gloves	Small/Medium/Large		9
32.	Baseball Catcher	Pads/Face Mask/Helmet		
33.	Baseball	Helmet		10
34.	Table Tennis Ball	3 Star/2 Star/1 Star	Stag	2 Doz. each
35.	Table Tennis Racket	Not Exceeding Rs 500.00	GKI/Stag	8
36.	Table Tennis Net with Clamps		Stag	3
37.	Table Tennis T Shirt and Shorts	Black and Orange with Logo and Number /Dry Fit		
38.	Shuttle Cock Plastic	Mavis 350	Yonex	4 Boxes
39.	Shuttle Cock Natural Feathers		Yonex	8 Boxes
40.	Badminton Racket	Not Exceeding Rs 800.00	--	8
41.	Badminton Racket	Not Exceeding Rs 800.00		
42.	Badminton Net			2
43.	Badminton T Shirt and Shorts	White and Orange with Logo and Number /Dry Fit		
44.	Badminton Racket Grip		Yonex	20
45.	Medical Kit/ First Aid Kit Bag	Kit Bag 3 x Pairs of Disposable Gloves 10 x Gauze Swabs 6 x Sterile Dressings 2 x Cohesive Bandage 6 x Nasal Sponge Plugs 5 x Skin Sutures 2 x Instant Ice Packs 1 x Mouth to Mouth Shield 2 x Eye & Wound Wash Pods 5 x Wound Wipes 4 x Dressing Pads 1 x Triangular Bandage 20 x Plasters 1 x Scissors		2

		20 x Handiplast 2 x Finger Splints 1 X Digital Thermometer		
46.	Ice Packs			6
47.	Crape Bandages			6
48.	Kinetic Tape	Pre-Cut KT for Hand/Wrist/Foot/Neck/Ankle/ Back/Knee/Calf and Thigh Support		2 Packs each
49.	Cricket Bat	English Willow not more than Rs. 8000	SG/BAS/SA/ BDM	2
50.	Cricket Bat	English Willow not more than Rs. 6000	SG/BAS/SA/ BDM	2
51.	Cricket Bat	Kashmir Willow not more than Rs. 4000	SG/BAS/SA/ BDM	2
52.	Cricket Bat	Size 6 English Willow not more than Rs.4000	SG/BAS/SA/ BDM	2
53.	Cricket Bat	Size 6 Kashmir Willow not more than Rs.3000	SG/BAS/SA/ BDM	2
54.	Batting Pads	Not More than Rs 2000	SG/BAS/SA/ BDM	3
55.	Batting Pads	Not More than Rs 1000	SG/BAS/SA/ BDM	3
56.	Batting Pads	Not more than Rs 500	SG/BAS/SA/ BDM	4
57.	Batting Pads	Youth Not more than Rs 800	SG/BAS/SA/ BDM	4
58.	Batting Gloves	Not More than Rs 1500	SG/BAS/SA/ BDM	2
59.	Batting Gloves	Not More than Rs 1000	SG/BAS/SA/ BDM	3
60.	Batting Gloves	Not More than Rs 500	SG/BAS/SA/ BDM	4
61.	Batting Gloves	Youth Not More than Rs 500	SG/BAS/SA/ BDM	4
62.	Elbow Guard			2
63.	Elbow Guard	Youth		2
64.	Helmet			4
65.	Helmet	Youth		3
66.	Thigh Guard			4
67.	Thigh Guard	Youth		3
68.	Abdomen Guard			4
69.	Abdomen Guard	Women		3

70.	Wicket Keeping Pads	Not More Than Rs 1000		2
71.	Wicket Keeping Pads	Youth Not more than Rs 1000		2
72.	Wicket Keeping Gloves	Not More Than Rs 1500		2
73.	Wicket Keeping Gloves	Youth Not more than Rs 1000		2
74.	Stumps Set with Base	For net practice		2
75.	Single Stump with base	For net practice		2
76.	Wooden Stumps set with bails	For natural turf		4
77.	Cricket Kit Bag	With Wheels		4
78.	Cricket Kit Bag	Regular		3
79.	Cricket Mat	Coir double knit/ Half Matting		1
80.	Ladder for Fitness Training			2
81.	Hurdles for Fitness training	High qlty		6
82.	Skipping rope	High qlty		18 nos.
83.	Tera Bands	High qlty		4
84.	Tera Tubes	High qlty		4
85.	Medicine Ball	2 KG		2
86.	Wt. Lifting	All equipment e.g., bars, Weights, dumbbells, etc.		1 set
87.	Multigym	Single station to multi station		1 each
88.	Weight Lifting belt	International		4 nos.
89.	Cycles for road racing with gears	Not Exceeding Rs 20000		2
90.	Cycling Helmet	High qlty		12
91.	Cycling Gloves	(Road Racing/MTB)		14 nos
92.	Cycling Lycra Jersey and shorts Set	Black, Orange and white (Road Racing/MTB)		10
93.	Hand Pump			2
94.	Cycle Inner Tube			6
95.	Sports Kit Bag	With or without Roller and locking facility	Large/Medium/Small	6 Each
96.	Tennis Racket	Not More than Rs 4000	Wilson/Head	4
97.	Tennis Racket	Not More Than Rs 2000		6
98.	Tennis Racket	Not More Than Rs 1000		6
99.	Tennis Grip	High qlty	Yonex	20

0.	Lawn Tennis Ball	Bag of 25 non pressure packed balls	Dunlop	2
1.	Lawn Tennis Ball	Pressure Packed	Wilson/Dunlop	8
2.	Lawn Tennis Net	High qlty		1
3.	Tennis Racket Kitbag	For Maximum 2 Rackets		5
4.	Tennis Racket Kitbag	For Maximum Six Rackets		2
5.	Judo uniform	High qlty		6
6.	TaeKwonDo Uniform	WTF Approved		14
7.	TaeKwonDo protective gears set	Full Set Approved by WTF	Small/medium/large	2 sets each
8.	Tae Kwon Do Training equipments	all		2 sets
9.	Chess board with coins	International		10 sets
10.	Chess Clock		NIVIA	2
11.	Carrom Board	Standard		2
12.	Carrom Coin set and Striker	standard		4 each
13.	Carrom Powder	250 grams		20
14.	T-Shirt (with sleeves)	Black, Orange and white Dry Fit (Fully Sublimated)		180 nos.
15.	-do-	Black, Orange and white Dry Fit (Double Sublimated)		180 nos.
16.	-do-	Black, Orange and white Dry Fit (Single Sublimated)		120 nos.
17.	T-Shirt (without sleeves)	Black, Orange and white Dry Fit (Fully Sublimated)		180 nos.
18.	-do-	Black, Orange and white Dry Fit (Double Sublimated)		180 nos
19.	-do-	Black, Orange and white Dry Fit (Single Sublimated)		120 nos
20.	Shorts/half pants	Black, Orange and white Dry Fit (Fully Sublimated)		180 nos.
21.	-do-	Black, Orange and white Dry Fit (Double Sublimated)		180 nos.
22.	-do-	Black, Orange and white Dry Fit (Single Sublimated)		120 nos
23.	Caps	Black, Orange and white		124

		Cotton/white or blue		nos.
4.	Caps	Black, Orange and white Nylon/ Acrylic/ white or blue		124 nos.
5.	T Shirt/Pant	Grey and Orange		10
6.	Cups (All size)	Standard quality		20 nos.
7.	Medals Various sizes	Gold, silver, Bronze		300 nos.
8.	Specially Designed medals			40 nos
9.	Mementos	Various size/ various designs		50 nos.
10.	Swimming glasses			4 pairs
11.	Swimming caps			4 pairs
12.	Swimming costumes (girls)	Small & Medium size		4 nos
13.	Swimming trunks (boys)	Small & Medium size		4 nos
14.	Tennikoit ring	Federation Standard		12nos.
15.	Tennikoit net			4 nos.
16.	Tennikoit Pole Set			1 pair

**ELECTRICALS,
ELECTRONICS AND
IT EQUIPMENTS**

ADMINISTRATION
REQUIREMENT LIST FOR THE YEAR 2022 - 2023

- Computers
- Projectors
- Printers
- LED Screens
- Smart TV's

**DEPARTMENT OF BIOTECHNOLOGY
REQUIREMENT LIST FOR THE YEAR 2022 - 2023**

SPECIFIC ELECTRONICS/ELECTRICALS

- A computer system for running the ELISA PLATE reader software, data storage and accessing the printer
- Printer and its ink cartridges

DEPARTMENT OF BOTANY
REQUIREMENT LIST FOR THE YEAR 2022 - 2023

ELECTRONIC ITEM

(Kindly mention the make and specification of the equipment)

Sr.	Name of the Item	
1.	Desktop Computer	Lenovo 50T Intel core I3-10100 / 4GB RAM / 1TB_HD_7200RPM HDD / WINDOWS 10 Pro/ wired keyboard & Mouse / 3 years Onsite warranty/ 18.5" Monitor

NOTE:

Kindly mention the discount & taxes applicable for the above requirements.

Dept. of Computer Science(B.Sc - Computer Science)				
Instruments Requirements under NS				
Sr. No.	Item Name	Heads (Serial No)	Specifications	Quantit y
1	Computer	3	Processor -Intel Core i5; RAM - 8GB DDR4; USB Keyboard ; USB Mouse ; Display -19.5" LED Screen;	3
2	HDMI Cables*	3		4
3	Wireless Access points*	3	D-Link DAP-1360 Wireless N Access Point	1
4	4 GB RAM	1	4 GB RAM for the SERVER	1
5	Projector wire with connector*	3		

DEPARTMENT OF GEOLOGY
TENDER REQUIREMENT FOR THE YEAR 2022-23

SR.NO.	ELECTRICALS	QUANTITY
1	Spike guard with 6 sockets and 6 switches	3 nos.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

ELECTRICALS, ELECTRONICS AND IT EQUIPEMENTS

Sr. No.	Item Type	Quantity
1	CCTV Cameras	6 no.
2	Pedestal standing Fan	6no.
3	Computer with CPU	1no.
4	Printer	1 no.
5	Data Cable Type C	1no.

DEPARTMENT OF GEOGRAPHY AND RESEARCH CENTER (UG- Aided)

2022-23

ELECTRICALS

SR.NO.	PARTICULARS	
1.	Wall Fans	02 Nos
2.	25mm electrical socket	01 Nos

ELECTRONICS

SR.NO.	PARTICULARS	
1.	Computer systems (i3 11 gen with SSD)	05 Nos

STATIONARY
INCLUDING COMPUTER
STATIONERY &
OTHER ARTICLES

Sr. No.	Description	Band/ Specification	Quantity
STATIONERY – PRINTING			
1.	Main Answer-Books –Red - Blue -Black	5 sheets (as per specimen)	10,000 copies 10,000 copies 10,000 copies
	Supplementary answer-books - Red - Blue -Black	2 sheets (as per specimen)	20,000 copies 20,000 copies 20,000 copies
3.	Practical answer-books	2 sheets (as per specimen)	20,000 copies
4.	Intra-Semester answer-books (Red & Blue)	2 sheets (as per specimen)	10,000 copies in each colour
5.	Service Book (Leave part)	12 pages (as per specimen)	200 booklets
6.	Printing of Vidya Magazine, Receipt Books, Course Registers, various proformas, Lamination and allied stationery items and binding. (As and when required)		
7.	Printing of Marksheets		1500 marksheets
P.S. : Specimen copies of the printed material to be collected from the office. Party should quote as per the specifications/specimens provided by the College. They should also provide us with the specimens of the items quoted by them.			
<u>IMPORTANT</u> : Please state the <u>BRAND</u> and other specifications of the quoted items.			
STATIONERY – NON-PRINTING			
1.	JK Excel Bond Paper (A4 size		50 reams
2.	Green Ledger paper (80 GSM)		30 reams
3.	Box files (plastic laminated)		10 doz.
4.	Box files (Kangaroo clip or similar quality)		20 doz.
5.	Office files (thick)		300 files
6.	Office files (thin)		1000 files
7.	Paper pin boxes - big (Tower Pin brand)		10 boxes
8.	Paper clips – U shape (Tower Pin brand)	1 x 10	100 boxes
9.	HB Lead Pencils		20 boxes
10.	Sharpeners and Erasers		5 doz.
11.	Ball-pens (black & blue)		20 pkts.
12.	Ball-pen refills (Black & Blue)		20 pkts.each

13.	Correction Pen		2 dozs.
14.	Paper cutter (big)		6 nos.
15.	Scissors (medium)		6 nos.
16.	Cello tape (1 ½ cms.width)	small	2 dozs.
17.	Cello tape (2 ½ cms width)	big	10 nos.
18.	Gum paste bottle - Small (300 ml) Big (700 ml)		05 doz. 06 nos.
19.	Glue sticks		05 dozs.
20.	Brown paper reams		20 reams
21.	Sutal		10 kgs.
22.	Staplers (10 no.)		05 doz.
23.	Staplers (HD-45)		20 nos.
24.	Staple pins a) (10 no. size) b) (24x6) c) 23/13-H. (13mm (½"))		20 boxes (20 each) 1 doz. 6 Boxes
25.	Rubber bands (big size) (small size)	assorted	5 kgs.
26.	Typing carbon papers	black	06 boxes
27.	Graph papers		5000 sheets
28.	Permanent markers (Blue, Red and Black)		02 doz.
29.	White Board Markers		50 nos
30.	Paper Punch	DP-480	6 nos.
31.	Paper punch	DP-600	12 nos.
32.	Paper Punch (for punching 20 or more papers at a time)		2 nos.
33.	Wax candles	big	10 boxes
34.	Four flap Folders	Red/Blue colour	3 dozs.
35.	Twines		100 boxes
36.	Chalk (Beekay/Leeba make)	white	200 boxes
37.	Chalk (Beekay/Leeba make)	coloured	100 boxes
38.	Duster		100 nos.
39.	Stamp pad (Kores)		2 doz.
40.	Water Sponge		2 doz.
41.	Register	100 pages	2 doz.
42.	Register	200 pages	2 doz.
43.	Register	400 pages	2 doz.
44.	Exercise books	100 pages	2 doz.
45.	Exercise books	200 pages	2 doz.
46.	Brown Envelopes	12" x 10"	1000 nos.

47.	Brown Envelopes	14" x 10.5"	1000 nos.
48.	Brown Envelopes	11 ½ " x 9"	1000 nos.
49.	Papercutter (big size)		1 no.
50.	Toner hp	12 x 15	6 boxes
51.	Cartridge for Brother	Brother TN-3428 Toner Cartridge	15 nos
52.	Carbon paper - Blue		06 nos.
	- Black		06 nos
53.	Xerox paper A3 size		50 reams
54.	Xerox paper-A4 (JK Green)		500 reams
55.	Xerox paper- full size		200 reams
56.	Computer Ribbon refill packs Dot Matrix Printer		20 doz.
57.	Computer ribbon cartridges		02 doz.
58.	Toner for HP Laser Jet 1020		10 nos.
59.	Inkjet cartridges (Coloured & black)		02 doz.
60.	CDs a) RW b) R		20 boxes x 10 10 boxes x 5
61.	WD40 Anti spray		06 bottles
62.	Plastic folders – 132 col. - 80 col.		3 doz. 2 doz.
63.	Calculator (14 Digit)		6 nos.
64.	Calculator (12 Digit)		6 nos.
65.	30 Inch scale		1 doz.
66.	CD Cover		2 doz.
67.	Soft Notice Board (Pin up Board)		1 no.
68.	Stick- ons		2 doz.
69.	Binder clips 41 mm		2 doz.
70.	Writing pads		1 doz.
71.	Butter Papers		50 Nos.
75.	OHP Marker		6 nos
78.	Ink Bottles (Stamp Pad)	Red	02 nos.
79.	Highlighter		

DEPARTMENT OF GEOLOGY
TENDER REQUIREMENT FOR THE YEAR 2022-23

SR.NO.	STATIONERY ITEM	QUANTITY
1	Cello tape dispenser	01 no.
2	Batteries AA	06 nos.
3	Batteries AAA	06 nos.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
STATIONARY INCLUDING COMPUTER STATIONARY AND OTHERS

Sr. No.	ITEM	QUANTITY
1	Napthalene Balls	15 Kg
2	Numbering Machine	1no.
3	Tags (White Colour, Size 20 inch)	15 bundles
4	Steel Rulers	2 nos.

DEPARTMENT OF GEOGRAPHY AND RESEARCH CENTER (UG- Aided)

TENDER REQUIREMENTS

2022-23

STATIONERY ITEMS

SR.NO.	PARTICULARS	QUANTITY
1.	Tracing Paper	2 rims
2.	Notepad	5
3.	Sticky notes	2
4.	Dusters	05

FURNITURE REQUIREMENTS

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

FURNITURE

Sr. No.	Item Type	Quantity
1	Steel Book Rack	1
2	Partition for Reading Room	1

DEPARTMENT OF PHYSICS
List of requirement for the year 2022-23

Furniture

Sr.no	Name of the Furniture	Quantity
1	Steel Cupboards	2

**REPAIR AND
MAINTENANCE
(ANNUAL)**

A. PLUMBING

B. CARPENTING

C. ELECTRICAL REPAIRS

D. REPAIRS TO LAB EQUIPMENTS

E. REFILLING OF FIRE EXTINGUISHERS

Note:

Quotations to be submitted on Annual Basis after on-site visit.

THE TERMS AND CONDITIONS :

TENDER CONDITIONS:

1. A. The Principal, Parvatibai Chowgule College of Arts and Science Autonomous, Gogol, Margao-Goa, reserves the right to reject all or any of the tenders without assigning any reasons.
- B. Irrespective of whether mention was made in the Notice inviting tenders or otherwise, only registered manufacturers or the authorised dealers of the manufacturers who are also registered under the State Sales Tax Acts, are eligible to submit tenders.
- C. (i) *Except where exemption is granted by the Government of Goa, Earnest Money Deposit (E.M.D.) of Rs.2000/- should be enclosed which will be forfeited if the tenderer fails to honour the supply order if and when placed.*

(ii) **The Supplier has to pay the Security Deposit as per the rules, at the time of issue of the order.**
- D. **If the tenderer desires, he/she will be permitted to be present at the time of opening of the tender.**
- E. *The E.M.D. is refundable in case of unsuccessful tenderer and in case of tenders which are acceptable, the EMD shall be adjusted against the Security Deposit (S.D.) which shall be 5% of the order value.*
- F. **The tenderer shall not be entitled to any interest/compensation on account of EMD/SD in case the same is not returned in time.**
- G. **The Earnest Money Deposit will be forfeited to the Government if the tenderer fails to honour the order placed and the S.D. will be forfeited to the Government if the tenderer fails to execute the entire supply within the stipulated time.**
- H. **This office will take all the care to return the deposits within the reasonable limit which is normally 30 days after opening of the tenders in case of EMD and fifteen days for security deposit after satisfactory and full execution of the order and on acceptance of the stores by the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Gogol, Margao-Goa. However, if the supplies are covered by warranty period the EMD/SD shall be retained till the warranty period is over.**

- I. If the tenderer fails to claim the EMD/SD within the period of 3 months from the time limit specified above, such EMD/SD will be deposited into the Government treasury at the full risk of the supplier and the Principal shall not be responsible for delay, if any, to reclaim/return the same.
- J. EMD/SD shall invariably be in the form of Deposit Receipt drawn on any scheduled bank and made in favour of the Principal, Parvatibai Chowgule College, Margao-Goa, drawn on any nationalized bank. The EMD/SD in any other form other than specified above, shall not be accepted and tenders accompanied by such EMD shall be rejected.
- K. All tenders received after the due date and/or time shall be rejected. Postal delay, if any, shall not be an excuse for the late receipt of the tenders.
- L. All quotations/tenders will be received for consideration subject to the specified terms and conditions. The tenderers are required to get necessary clarification regarding any of the terms and conditions before submitting the tender.
- M. All tenders/quotations shall be neatly typed, overwriting and corrections, if any, shall be authenticated by the tenderer. Incomplete or illegible tenders/quotations are liable to be rejected without assigning any reasons.
- N. Where applicable, following detail shall be clearly and specifically indicated by the tenderer.
 - (i) Disagreement, if any, with terms and conditions enclosed.
 - (ii) Non-conformity, if any, of the stores with the specifications given in the tender notice/tender paper.
 - (iii) Taxes, Excise Duty, Custom Duty, etc., if any, to be paid extra.
 - (iv) Freight, forwarding, insurance and hamali charges, if any, to be paid extra.
- O. Every tender shall be accompanied by the following certificates :
 - (i) Income-tax Clearance Certificate for the latest Assessment year.
 - (ii) Central Sales-Tax/Local Sales-Tax Clearance Certificate.
 - (iii) Exemption towards payment of EMD shall be supported by a certificate from competent authorities.
- P. GOODS & SERVICE TAX, EX-DUTY & CUSTOM DUTY, Etc

Where the cost of the item is specified as exclusive of these statutory levies, unless accepted in writing otherwise by the Principal, Parvatibai Chowgule College of Arts &

Science Autonomous, Margao, before placing of the order, the said levies shall be payable only on production of the prescribed documents as below :

- (i) G.S.T. certificates prescribed by the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao.
- (ii) Excise duty certificate prescribed by the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao.
- (iii) Custom duty certificate issued by the concerned custom office.
- (iv) **Freight & Insurance :**
where the cost is exclusive of freight and insurance charges, the tenderer shall invariably provide the documentary evidence for having actually paid such charges failing which the same shall be disallowed, however, where the rates or amount was not specified in the order it shall be consistent with current market rates.
- (v) **Parvatibai Chowgule College of Arts & Science (Autonomous) is not registered under G.S.T., being an education institution.**

Q. In case where clarity as at (N) above is not adhered to, then the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, shall be entitled to and it shall be lawful to do so....

- (i) to accept for processing such tenders at the risk of the tenderer and / or
- (ii) to reject the tender without assigning any reasons.

R. Irrespective of whether specifically stated in the tender notice or otherwise following tenders will be rejected -

- (i) where the tenderer has not enclosed documentary evidence of being authorized manufacturer or the authorised dealer of the authorised manufacturer.
- (ii) Where the tenderer demands advance payment or payment through bank against invoice or similar form of advance payment.
- (iii) Where tender cost is not enclosed.
- (iv) Where the stores offered are not market tested for reliability, etc.
- (v) Where the tenderer has not enclosed any printed leaflets, catalogues, etc., giving detailed specification of the products.

2. GENERAL CONDITIONS :

- A. Quantities of items/items shown in the list are subject to change. The college reserves the right to place order in full or in part depending on the availability of funds and need of items felt.

Unless expressly provided in writing by the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, the order placed shall be subject to the terms and conditions and the specifications given hereinunder and if any of the terms and conditions and/or specifications of the tenderer on whom order is placed is/or contrary or inconsistent with any of the terms and conditions of these terms and conditions. Same shall be deemed to be and shall be treated as in-applicable and of no effect.

- B. Any typographical/clerical error in relation to rates/units/quantity, size, etc., and/or contradicting/ conflicting with the tender specifications and/or the terms and conditions shall stand corrected to that effect without any written communication and the tenderer shall not be entitled to any claim what-so-ever, based on such typographical/clerical error.
- C. The tenderer shall sign with date on the certificate attached in token of acceptance of the terms and conditions without any reservations and affix the rubber seal of office stamp if available. Where rubber stamp is not available, name of the person who has signed as the tenderer shall be clearly written in ink. Quotations received without being duly signed and stamped are liable to be rejected without assigning any reasons. However, the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, in the public interest may relax this condition.
- D. Each and every quotation/tender shall necessarily be accompanied by printed leaflets or catalogues giving complete details of the specifications of the stores. Tenders stating “as per your specifications” or just repeating “as is already given in the tender paper” **MAY NOT** be considered at all.

3. VALIDITY OF RATES :

- A. The rates quoted should be valid at least for a period of 180 days from the date of opening of the tender.
- B. Rates quoted shall be generally exclusive of transport, packing, forwarding, loading and unloading charges, excise, taxes, etc. However, the other charges/taxes shall clearly be shown separately; otherwise it will be deemed that rates quoted are inclusive of all charges/taxes.

- C. The rates shall approximately conform to the current market rates specified by Government/Government approved appropriate agencies where applicable. In case, if at any stage it is discovered that the rates quoted by the tenderer are/were not conforming to the then prevailing market rates, in such cases Principal, Parvatibai Chowgule College of Arts & Science Autonomous Margao, reserved the right to reject the stores if received and the tendered will not have any claim against the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao-Goa, except the actual cost of stores as per normal rates less whatever penalty levied by Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, and for this purpose "Normal Rates" means the actual cost of the stores on par with market rates of similar stores exclusive of taxes, excise, transport, freight, etc., plus reasonable profit margin.

4. EXECUTION OF ORDER :

- A. Acceptance of the order shall be conveyed by the tenderer after submitting a security deposit equivalent to 5% of the total value of the order within 15 days from the date of receiving the order in the form of Bank Call Deposit Receipt/Demand draft drawn in favour of the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, on any Nationalised bank, failing which the order shall stand cancelled unless informed otherwise in writing by the Principal.
- B. The Security Deposit will be refunded to the supplier after full execution of the order or expiry of the period specified in the order and where the stores are warranted, the S.D. shall be returned after expiry of such warrantee period. If the supplier fails to honour the warrantee as promised, the S.D. will be forfeited.
- C. Entire order shall be executed within four weeks from the date of issue unless specified otherwise, in the order. However, Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, reserves the right to grant the extension of the time limit, if in his opinion, public interest does not suffer. Violation of this clause attracts provisions of clauses 5 (i) (ii) (iii).
- D. The stores shall be properly packed and dispatched, insured if necessary, with any Indian Government approved Insurance Company or its branch at a cost consistent with Government regulations and the cost of the consignment against loss, damages or breakage, etc., up to destination by goods/passengers Train/Road Transport on freight paid basis only.

- E. It shall primarily be the responsibility of the tenderer to inspect and satisfy that the stores to be supplied exactly conform to the specifications given in the order. In case of lapse on the part of the tenderer in this regard the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, reserves the right to reject the stores.**
- F. In case of rejection of the stores supplied by the tenderer on the grounds specified above or if found defective or not conforming to specifications or any other grounds in accordance with the terms and conditions, it shall be the responsibility of the tenderer to make arrangement to collect back the stores.**
- G. If the tenderer so desires the rejected stores may be dispatched back to the tenderer provided :**
- (i) The tenderer gives an undertaking in the prescribed form accepting full responsibility for losses/damages which may be caused during transit due to accidents or any other reasons.**
 - (ii) The tenderer shall send in advance packing, forwarding, and transport charges by way of demand draft made in favour of the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, payable at Margao and drawn on any nationalised bank.**
- 5. The time (delivery period stipulated) is essence of the contract. In case the tenderer fails to deliver the stores or any part thereof within the stipulated period of delivery or in case the stores are found not to be in accordance with the specifications, the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, shall have the right to exercise his discretionary powers as under :**
- (i) either to recover as liquidated damages a sum not exceeding half percent of the price of stores which the tenderer has failed to deliver as aforesaid per each week or part thereof during which the delivery of each stores may be in arrears but subject to a maximum limit of 5% of the stipulated cost of the stores.**
 - (ii) To purchase from elsewhere at the cost and risk of the tenderer the stores so undelivered or stores of a similar description without cancelling the order in respect of the consignment not yet delivered.**
 - (iii) Or to cancel the entire / part of the order as deemed fit in the sole discretion.**

6. INSPECTION/ ACCEPTANCE OF STORES :

- A. Inspection of the store shall invariably be done at the college premises. The stores shall be deposited by the tenderer at his/her risk at the college premises. In such cases acknowledgement shall in no case be deemed and will not be deemed as acceptance of the store.**
 - B. In case the stores are delivered in packed cases either personally or through transport agencies including Rail/Road agencies the acknowledgement given by the storekeeper shall be "on said to contain basis." In such cases the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, reserves the right to verify actual contents after opening and therefore, the responsibility for damaged/ defectives/ shortages or the consequences of a similar nature shall be solely the responsibility of the tenderer. Therefore, the tenderer may prefer to give open delivery by making suitable arrangements.**
 - C. In cases where the stores are deposited in open container/ open condition the acknowledgement of the storekeeper shall be to the extent of physical quantity and in no case the storekeeper shall be responsible as to the exact nature/identity/conformity of the stores with the specification mentioned in the order.**
 - D. It shall be the responsibility of the tenderer to arrange to deliver the stores at the college premises at Gogol, Margao, Goa, during the office hours from 10.30 a.m. to 4.00 p.m. The stores despatched by rail transport or by other means other than the one specified above may not be accepted if received after the specified office hours unless agreed to otherwise in writing by Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, before placing of the order/ before despatch of the stores.**
 - E. Advance intimation of the despatch of the stores with information like mode of transport name and address of the transport agency, likely date of arrival of the stores at college premises and necessary documents if any, to release the consignment must be sent by the tenderer to the Principal, Parvatibai Chowgule College of Arts & Science Autonomous, Margao.**
- 7 A. Installation and demonstration should be done in the institution. Installation and demonstration charges, if any, should be specified separately.**
- B. After sales service should be categorically specified in the tender.**

- C. Charges for Annual Maintenance contract shall be specified separately, for which agreement will have to be signed at a later stage.**
- D. In the event of the breakdown of the system during warranty period if the system is not set right within 48 hours (excluding Sundays & holidays) then a fine of Rs.100/- per day will be charged extra.**
- E. The requisite training to the staff shall be imparted on the installation of the systems free of cost.**

8. Payment terms

Payment will be made only after the receipt of the stores in good working conditions at college premises. Generally payment will be made within a month – after receipt of pre-receipted bill in duplicate.

CERTIFICATE

Certified that I/we have gone through the terms and conditions of supply/works and also the tender conditions. I/ We hereby agree to abide by the same. In token of acceptance as above I/we affix the signature as below :

SIGNATURE

Name : _____

Date : _____

Seal of the tenderer