



**CHOWGULE EDUCATION SOCIETY'S
PARVATIBAI CHOWGULE
COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS)
FATORDA-GOA 403 602.**

TENDER NOTICE No. I /2024-2025

Tenders are invited from bonafide manufacturers or their authorised agents and other reputed firms for the supply of items under following heads:-

- 1. Glasswares/ Equipments/ Chemicals for Laboratories.**
- 2. Sports Items.**
- 3. Stationery including Computer Stationery & other Articles.**
- 4. Furniture**
- 5. Transport Services**

Tender forms can be taken from the College Office on cash payment of **Rs. 500/- per set**, on any working day, between **9:30 a.m. and 1:00 p.m.**

Last date to receive tenders: **Wednesday, 12th June, 2024 till 12.00 noon**

Tender opening : **Wednesday, 12th June, 2024 at 3.00 p.m.**

For details, visit website : www.chowgules.ac.in

29th May, 2024

PRINCIPAL



Chowgule Education Society's

**Parvatibai Chowgule College of Arts and Science
Autonomous**

Accredited by NAAC with Grade 'A+'
Best Affiliated College-Goa University Silver Jubilee Year Award

TENDER NOTICE NO -I / 2024-25

Last date to receive Tender : Wednesday , 12th June, 2024 till 12.00 noon

Tender Opening : Wednesday, 12th June, 2024 at 3:00 p.m.

**GLASSWARES/
EQUIPMENTS/
CHEMICALS FOR
LABORATORIES**

DEPARTMENT OF BIOTECHNOLOGY
REQUIREMENT LIST FOR THE YEAR 2024 – 2025

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) Ammonium sulphate
- 3) Acetate buffer
- 4) Ammonium persulphate (APS)-Molecular biology grade
- 5) Acrylamide--Molecular biology grade
- 6) Bis-acrylamide-Molecular biology grade
- 7) Coomassie blue -Molecular biology grade
- 8) Magnesium chloride
- 9) SDS
- 10) Proteinase-K
- 11) Tris base
- 12) Isoamyl alcohol
- 13) 50X TAE buffer
- 14) 50X TBE buffer
- 15) Ficoll
- 16) Carnoy's fixative
- 17) Giemsa stain
- 18) Ammonium chloride

- 19) Isopropanol
- 20) EDTA
- 21) Lactose broth
- 22) Nutrient broth
- 23) Agar powder
- 24) Luria Bertani broth
- 25) Simmons citrate agar
- 26) Manganese sulphate
- 27) Leishman stain
- 28) Diethyl ether
- 29) TEMED
- 30) Dulbeccos's Modified Eagle's Medium(DMEM) high glucose- powder sachets (Make-Hi media, Catalogue code:AT151-1L)
- 31) Sodium bicarbonate
- 32) Trypsin EDTA 1X solution (0.25% trypsin, 0.02% EDTA, without Calcium, magnesium and phenol red) [Make –Hi Media]
- 33) Fetal Bovine Serum, Research grade, sterile filtered,10x50ml (Make –Hi Media)
- 34) Dulbeccos's Modified Eagle's Medium(DMEM), High Glucose ,without L-glutamine (Make –Hi Media)
- 35) Dulbeccos's Phosphate Buffered saline 10X and 1X(Make –Hi Media)
- 36) Dulbeccos's Phosphate Buffered saline (without phenol red, calcium and magnesium),10X (Make –Hi Media)
- 37) Dulbeccos's Phosphate Buffered saline (without phenol red, calcium and magnesium),1X (Make –Hi Media)
- 38) RPMI-1640 media, with sodium pyruvate, L-glutamine, glucose, sodium bicarbonate, without HEPES buffer, 5x100 ml (Make-Hi Media)
- 39) RPMI-1640 media, with sodium pyruvate, L-glutamine, glucose, HEPES buffer and sodium bicarbonate, 500 ml (Make-Hi Media)
- 40) RPMI-1640 media, with sodium bicarbonate and L-glutamine, 5x100 ml (Make-Hi Media)
- 41) Antibiotic antimycotic solution 100X liquid (Make—Hi Media)
- 42) Absolute Ethanol(99.9%)
- 43) Colcemid (Make-Hi Media)
- 44) Sodium thiosulphate
- 45) Concentrated sulphuric acid
- 46) Potassium dichromate
- 47) Crystal violet stain
- 48) Resazurin dye
- 49) Methylene blue stain

- 50) Disodium-p-nitrophenyl phosphate
- 51) Sodium benzoate
- 52) Phenol red indicator
- 53) Simmons citrate agar
- 54) Dialysis tube/membrane
- 55) Sucrose
- 56) Diethyl ether
- 57) Sodium bicarbonate
- 58) Potassium Phosphate
- 59) Orthophosphoric acid
- 60) Iso-propanol
- 61) Peptone powder
- 62) Beef extract powder
- 63) Xylene
- 64) Clinical Spirit
- 65) 100 bp DNA Ladder (Make: Hi media)
- 66) Pre-stained protein ladder (Make: Hi media)
- 67) Agarose special, High EEO (Make: Hi media)
- 68) Agarose –molecular biology grade (Make: Hi media)
- 69) Ethidium bromide
- 70) TEMED
- 71) Acrylamide/Bis-acrylamide solution 30%
- 72) Glycerol
- 73) Xylene Cyanol
- 74) Bromophenol blue
- 75) Ficoll
- 76) Dialysis membrane LA387-5MT (Make: Hi media)
- 77) DNA sodium salt RM511 5GM (Make: Hi media)
- 78) RNA RM441 10G (Make: Hi media)
- 79) Pure ethanol
- 80) Plant Genomic DNA extraction kit
- 81) Blood or animal tissue DNA extraction
- 82) Nutrient media
- 83) Beef extract
- 84) Yeast Extract
- 85) Gram stain
- 86) Malachite green
- 87) Glycine
- 88) Chromium (III) chloride
- 89) Chromium (III) chloride

- 90) Ethidium bromide solution
- 91) Maltose
- 92) Nutrient Agar media
- 93) DNSA (3,5-Dinitrosalicylic acid)
- 94) Sodium potassium tartarate
- 95) Folin Ciocalteu reagent
- 96) Copper sulphate
- 97) Bovine serum albumin
- 98) Sodium hydroxide
- 99) Phenolphthalein indicator
- 100) Sodium chloride
- 101) Potassium chloride
- 102) Sodium sulphite
- 103) Disodium Hydrogen phosphate (Na_2HPO_4)
- 104) Potassium dihydrogen phosphate (KH_2PO_4)
- 105) Sodium dodecyl sulphate (SDS)
- 106) Glacial acetic acid
- 107) Chloroform
- 108) potassium iodide
- 109) sodium thiosulphate
- 110) starch
- 111) α -naphthol
- 112) Phenol
- 113) Bromothymol blue
- 114) Molisch's reagent
- 115) Fehling A and Fehling B reagent
- 116) Lowry's reagent
- 117) Benedict's reagent
- 118) Biuret's reagent
- 119) Ninhydrin reagent
- 120) Diphenylamine (DPA) reagent
- 121) Glucose
- 122) Diastase Alpha amylase (α -amylase)
- 123) Phosphate buffer (pH 5.6)
- 124) Zinc sulphate
- 125) Manganese sulphate
- 126) EDTA
- 127) Tris-hydrochloride (Tris-HCl)
- 128) p-nitrophenyl phosphate (PNPP)
- 129) citric acid

- 130) calcium chloride
- 131) Triton X
- 132) Leishman stain
- 133) Sodium citrate
- 134) Formalin
- 135) Gentian violet
- 136) Crystal violet
- 137) Gram's iodine
- 138) Phenol
- 139) Glycerine
- 140) Lactic acid
- 141) Sodium carbonate
- 142) Sodium acetate
- 143) Monobasic sodium phosphate/ Monosodium phosphate (NaH_2PO_4)
- 144) Dibasic sodium phosphate/ Disodium phosphate (Na_2HPO_4)
- 145) Iodine
- 146) Potassium hydroxide
- 147) Ether
- 148) Methanol
- 149) Cobalt chloride
- 150) Lysozyme
- 151) Phenol
- 152) Chloroform
- 153) Isoamyl-alcohol
- 154) Ethanol
- 155) Tris-EDTA Buffer
- 156) pH standardisation capsule (pH 4, pH 7 and pH 10)
- 157) Agarose
- 158) Resazurin dye
- 159) Methylene blue dye
- 160) Bromophenol blue
- 161) Phenolphthalein
- 162) Carbonate bicarbonate buffer
- 163) Disodium-p-nitrophenyl phosphate
- 164) Manitol salt agar
- 165) Cetrimide agar
- 166) Eosin methylene blue agar
- 167) Glucose agar
- 168) Mac Conkey's agar
- 169) Milk agar

- 170) Starch agar
- 171) Tomato juice agar
- 172) Tween-80 agar
- 173) Sodium benzoate
- 174) Potassium metabisulphite
- 175) Trypan blue
- 176) Lactophenol cotton blue
- 177) Potassium hydroxide
- 178) Safranin stain
- 179) Potassium dichromate
- 180) Conc. Sulphuric acid
- 181) Conc. Hydrochloric acid
- 182) Conc. Nitric acid
- 183) Murashige and skoog's media packets
- 184) Ammonium nitrate
- 185) Potassium nitrate
- 186) Calcium chloride
- 187) Magnesium sulphate
- 188) Zinc sulphate
- 189) Boric acid
- 190) Copper sulphate
- 191) Cobalt chloride
- 192) Sodium molybdenum
- 193) Sodium EDTA
- 194) Ferrous sulphate
- 195) Nicotinic acid
- 196) Pyridoxine HCl
- 197) Thiamine HCl
- 198) Myoinositol
- 199) Alpha-naphthalene Acetic acid
- 200) Indole-3-butyric acid
- 201) 6-benzylaminopurine
- 202) 2,4-dichlorophenoxyacetic acid
- 203) Kinetin
- 204) Agar
- 205) Sucrose
- 206) Sodium hypochlorite
- 207) Sodium alginate
- 208) Evan's blue stain
- 209) Lactose

- 210) Peptone
- 211) Beef extract
- 212) Phenol red
- 213) Sodium thiosulphate
- 214) Manganese sulphate
- 215) Potassium iodide
- 216) Starch
- 217) M9 medium with Sodium benzoate in place of glucose
- 218) M9 salts
- 219) Sodium benzoate
- 220) Magnesium sulphate
- 221) Thiamine hydrochloride
- 222) Bruce's sulfanilic acid reagent
- 223) Acetic acid
- 224) Sodium hydroxide
- 225) Potato dextrose agar
- 226) Iodine
- 227) Acetone
- 228) Silica Gel powder
- 229) Potato dextrose broth
- 230) Acetic acid
- 231) Ethyl acetate
- 232) Chloroform
- 233) Ammonium thiocyanate
- 234) Iron(III) citrate
- 235) Nutrient broth
- 236) Agar agar
- 237) Sodium chloride
- 238) Peptone powder
- 239) Teepol or Labolene detergent
- 240) *Saccharomyces cerevisiae* (Baker's and Brewer's)

241) Microbial cultures

- a. *P. aeruginosa*
- b. *E. coli*
- c. *S. aureus*
- d. *B. subtilis*
- e. *Staphylococcus*,
- f. *Proteobacter*
- g. *Klebsiella*

242) Permanent slides/specimens

- a) *Embryo sac and embryo*
- b) *T.S. of anther*
- c) *L.S. of ovule*
- d) *Entamoeba histolytica*
- e) *Paramecium caudatum*
- f) *Hyalonema*
- g) *Spongilla*
- h) *Hydra*
- i) *Physalia*
- j) *Fasciola hepatica*
- k) *Taenia solium*
- l) *Ascaris lumbricoides*
- m) *Ancylostoma duodenale*
- n) *Pheretima posthuman*
- o) *Hirudinaria granulosa*
- p) *Scolopendra*
- q) *Hippa*
- r) *Helix*
- s) *Unio*
- t) *Asterias*
- u) *Ophiolepis*
- v) *Torpedo*
- w) *Hippocampus*
- x) *Salamandra maculosa*
- y) *Rana tigrine*
- z) *Chelone mydas*
- aa) *Calotes versicolor*
- bb) *Bubo bubo*
- cc) *Columba livia*
- dd) *Funambulus*
- ee) *Macropus*

Note: Kindly mention the disc & taxes applicable the above requirements

**DEPARTMENT OF BIOTECHNOLOGY
REQUIREMENT LIST FOR THE YEAR 2024-2025**

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) Beakers--capacity--25 ml, 50 ml, 100 ml, 150 ml, 200 ml, 250 ml, 500 ml, 1000 ml
- 2) Conical flask- narrow mouth with rim --25 ml, 50 ml, 100 ml, 150 ml, 200 ml, 250 ml, 500 ml, 1000 ml
- 3) Volumetric flasks--25 ml, 50 ml and 100 ml
- 4) Glass L-shaped spreaders
- 5) Reagent bottle (Amber) narrow mouth with screw cap—50ml, 100ml, 250ml,500ml
- 6) Reagent bottles narrow mouth with screw cap—50 ml, 100ml, 250ml,500ml
- 7) Glass filter funnel 75mm
- 8) Glass rods
- 9) Glass Petriplates 90mm
- 10) Boropure glass filtration assembly, 47mm,with bottle (Make-Borosil)
- 11) BOD bottles(amber)--125ml,300 ml
- 12) Microscope glass slides (packing 50)
- 13) Glass Coverslip
- 14) Plant tissue Culture tubes
- 15) Test tube
- 16) Petriplates-90 mm
- 17) Durham tubes
- 18) Evaporating dish
- 19) BOD bottles
- 20) Watch glass

NOTE:

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

**DEPARTMENT OF BIOTECHNOLOGY
REQUIREMENT LIST FOR THE YEAR 2024-2025**

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) Conical centrifuge tube rack (for 50 ml and 15 ml tubes) (Make—Tarson)
- 6) Universal combi rack (Make tarsons)
- 7) Cryo cube box (Make—Tarson)
- 8) Petri dish—90 mm (plastic), sterile packed
- 9) 96-well tissue culture plates, sterile, 0.3 cm², surface treated, packing-50 (make-Hi Media/ Tarsons/NEST)

- 10) 24-well tissue culture plates, sterile, 1.9 cm², surface treated, packing-50 (make-Hi Media/ Tarsons/NEST)
- 11) 12-well tissue culture plates, sterile, surface treated(make-Hi Media/ Tarsons/NEST)
- 12) 6-well tissue culture plates, sterile, surface treated(make-Hi Media/ Tarsons/NEST)
- 13) Tissue culture flask –surface treated with vented filter cap sterile, Size 25 cm² .
Packing-200 (Make—Hi media/ Tarsons/NEST)
- 14) Dialysis membrane-50 , 1MT (Make—Hi-media)
- 15) Sterile Syringe driven filters, Size-0.22 um (Make—Hi media)
- 16) Sterile Syringe driven filters, Size-0.45 um (Make—Hi media)
- 17) Cellulose acetate membrane filters: 47mm, Sterile, Pore Size-0.45 um and 0.22um,
Packing -100 (Make—Hi media)
- 18) PVDF hydrophilic membrane filters: 47mm, Sterile, Pore Size-0.45 um and 0.22um,
Packing -100 (Make—Hi media)
- 19) PES membrane filters: 47mm, Sterile, Pore Size-0.45 um and 0.22um, Packing -100
(Make—Hi media)
- 20) Cellulose nitrate membrane filters: 47mm, Sterile, Pore Size-0.45 um and 0.22um,
Packing -100 (Make—Hi media)
- 21) Cellulose nitrate membrane filter, non-sterile, Pore Size-0.45 um and 0.22um, Packing
-100 (Make—Borosil)
- 22) Nylon 66 membrane filter, non-sterile, Pore Size-0.45 um and 0.22um, Packing -100
(Make—Borosil)
- 23) Whatmann filter paper, 125mm (Make—Tarson/ Hi media)
- 24) Autoclavable biohazard bags (Make-Tarsons/Hi media)
- 25) Lancets
- 26) Test tube stand
- 27) Sterile syringes
- 28) Coverslips for Neubauer chamber.hemocytometer (Make:Borosil/Tarsons)
- 29) pH test strips (pH Range 1-14) (Merck/ Tarsons)
- 30) Muslin cloth
- 31) Butter paper
- 32) Filter papers (Blotting papers)
- 33) Safeskin nitrile gloves , 9.5” length (Make- Tarsons)
- 34) Surgical masks
- 35) Inoculation loops (Number required-10) (Make—Tarson)
- 36) Blood diluting tubes or RBC/WBC diluting tubes (Make-Borosil)
- 37) Durhams tubes (Make- Borosil)
- 38) Polygon Magnetic stirrer bar, Size 8x22mm (Make—Tarson)
- 39) Vacuum filtration unit with 47mm filter holder (Make :Tarson)
- 40) Vacuum Filtration assembly 47mm, polypropylene (autoclavable) (Make-Hi media)
- 41) Membrane filter holder -47mm, capacity upper and lower chamber 500ml each
(Make-Tarson)
- 42) Pipette aid for 10 ml and 25 ml glass pipettes(make –Tarsons)
- 43) Double immune diffusion for antigen antibody pattern kit(Make-Hi
media/Bioera/Any other make)
- 44) Dot ELISA kit (Make-Hi media/Bioera/Any other make)
- 45) Transformation kit (Make-Hi media/Bioera/Any other make)

- 46) Plasmid DNA isolation kit (Make-Hi media/Bioera/Any other make)
- 47) WIDAL TEST kit (Make-Hi media/Bioera/Any other make)
- 48) Blood grouping kit (Make-Hi media/Bioera/Any other make)
- 49) Northern blotting kit(Make-Hi media/Bioera/Any other make)
- 50) Western blotting kit(Make-Hi media/Bioera/Any other make)
- 51) Southern blotting teaching kit(Make-Hi media/Bioera/Any other make)
- 52) SDS PAGE teaching kit (Make-Hi media/Bioera/Any other make)
- 53) Plasmid DNA isolation by Alkaline lysis kit (Make-Hi media/Bioera/Any other make)
- 54) Plasmid DNA isolation by boiling method kit(Make-Hi media/Bioera/Any other make)
- 55) Plasmid DNA separation on agarose Gel kit (Make-Hi media/Bioera/Any other make)
- 56) Molecular size determination of the Plasmid kit (Make-Hi media/Bioera/Any other make)
- 57) Transformation in bacteria using suitable Plasmid (PUC) kit (Make-Hi media/Bioera/Any other make)
- 58) Blood Grouping & Rh factor kit (Make-Hi media/Bioera/Any other make)
- 59) Single Radial immunodiffusion kit (Make-Hi media/Bioera/Any other make)
- 60) Ouchterlony double diffusion teaching kit (Make-Hi media/Bioera/Any other make)
- 61) Immunoelectrophoresis teaching kit (Make-Hi media/Bioera/Any other make)
- 62) Gel filtration chromatography teaching kit (Make-Hi media/Bioera/Any other make)
- 63) Plasmid DNA extraction kit (Make-Hi media/Bioera/Any other make)
- 64) Transformation teaching kit(Make-Hi media/Bioera/Any other make)
- 65) PCR teaching kit(Make-Hi media/Bioera/Any other make)
- 66) Restriction digestion teaching kit(Make-Hi media/Bioera/Any other make)
- 67) Total RNA extraction teaching kit (Make-Hi media/Bioera/Any other make)
- 68) Bacterial genomic DNA extraction kit (Make-Hi media/Bioera/Any other make)
- 69) Centrifuge Tube Box –Capacity—15 ml (Make: Tarsons/Code: 202090)
- 70) Centrifuge Tube Box –Capacity—50 ml (Make: Tarsons/Code: 202100)
- 71) Universal Combi Rack (Make:Tarson/Code:202080)
- 72) Test Tube Stand (Make:Tarsons/Code:202050)
- 73) UNIVERSAL MICRO TIP BOX - TARSONS TIPS
(Make:Tarsons/Code:524059/Places:96/Capacity:200-1000ul)
- 74) UNIVERSAL MICRO TIP BOX - TARSONS TIPS (Make:Tarsons/Code: 524053/Places:96/Capacity: 2 – 200ul)
- 75) UNIVERSAL MICRO TIP BOX - TARSONS TIPS (Make:Tarsons/Code: 524052/Places:96/Capacity: 0.2-10ul)
- 76) Macrotip box (Capacity- 5ml) (Make—Tarson/Gilson)
- 77) CRYOCHILL-TM 1°C Cooler (Make:Tarsons/Code: 525000)
- 78) Conical Centrifuge Tube Rack (Make:Tarson/Code: 241080)
- 79) Screw Cap Centrifuge Tube Round Bottom -- Capacity:10ml
(Make:Tarson/Code:541020)

- 80) Screw Cap Centrifuge Tube Round Bottom -- Capacity:30ml
(Make:Tarson/Code:541030)
- 81) Screw Cap Centrifuge Tube Round Bottom -- Capacity: 50 ml
(Make:Tarson/Code:541040)
- 82) Screw Cap Centrifuge Tube Round Bottom -- Capacity:70ml
(Make:Tarson/Code:541050)
- 83) Micro Centrifuge Tube - Capacity:1.5ml (make: Tarson/Code: 500010)
- 84) Micro Centrifuge Tube - Capacity:2.0ml (make: Tarson/Code: 500020)
- 85) MICRO TIPS --Capacity:2-200µl(Yellow)/ (make: Tarson/Code:521010Y)
- 86) MICRO TIPS -- Capacity:200-1000µl(blue)/ (make: Tarson/ Code:521020B)
- 87) Spinwin Centrifuge tube conical bottom- Capacity:15ml (sterile) (make: Tarson/Code: 546021)
- 88) Spinwin Centrifuge tube conical bottom- Capacity:50ml (sterile)(make: Tarson/Code: 546041)
- 89) Self-standing Centrifuge Tube - Capacity:50 ml (sterile) (make: Tarson/Code: 546043)
- 90) Parafilm (Make: tarson)
- 91) Staining racks
- 92) Scalpel holder
- 93) Scalpel blades
- 94) Sterile Lancets
- 95) Blunt Forceps
- 96) Pointed forceps
- 97) Stainless steel scissors—straight
- 98) Stainless steel scissors--bent or curved
- 99) Cork borer
- 100) L-shaped spreader
- 101) Spatula
- 102) Nichrome loops (microbial inoculation loops)
- 103) Spirit lamps
- 104) Magnetic stirrer beads
- 105) Blotting paper
- 106) Tissue rolls (lint-free)
- 107) Dropper
- 108) Planting pots
- 109) Absorbent cotton
- 110) Non-absorbent cotton
- 111) Whatmann filter paper
- 112) Aluminium foil
- 113) Purple nitrile free gloves
- 114) Microscope 100 x immersion oil
- 115) pH test strips

**DEPARTMENT OF BIOTECHNOLOGY
REQUIREMENT LIST FOR THE YEAR 2024-2025**

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

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
12.	REMI
13.	MILLIPORE
14.	SIGMA

SPECIFIC EQUIPMENT

- 1) ELISA microplate reader (Make: Microlab/Bioline India/Agilent technologies/ Thermofisher scientific/Hi Media/Borosil/Tarsons/Bioera/Remi/ Labtop/ Borosil/Any other make)
- 2) Electroblotting apparatus/ cassette (Make: Microlab/Bioline India/Agilent technologies/ Thermofisher scientific/Hi Media/Borosil/Tarsons/Bioera/Remi/ Labtop/ Borosil/Any other make)
- 3) Vacuum blotter (Make-Biorad)
- 4) Agarose gel electrophoresis unit with power source/ Submarine gel electrophoresis unit
- 5) SDS PAGE electrophoresis unit with power source/ Vertical gel electrophoresis unit
- 6) Pump driven vacuum filtration unit with membrane filter of pore size 0.22 μm (Make-Millipore/Sigma/ Hi-media)
- 7) Biosafety cabinet –Class II, Type A1,A2 –4'x2' (Make—Bioera/Microfilt/ Labtop/Thermoscientific/Any other make)
- 8) Laminar Air Flow -Vertical –Size: 4' x 2' x 2 (Make—Bioera/Microfilt/ Labtop/Thermoscientific/Any other make)
- 9) Laminar Air Flow - Horizontal –Size: 4' x 2' x 2 (Make—Bioera/Microfilt/ Labtop/Thermoscientific/Any other make)

- 10) Laminar Air Flow -Vertical - Size: 6' x 2' x 2 (Make—Bioera/Microfilt/Labtop/Thermoscientific/Any other make)
- 11) Laminar Air Flow - Horizontal - Size: 6' x 2' x 2 (Make—Bioera/Microfilt/Labtop/Thermoscientific/Any other make)
- 12) Horizontal laboratory Deep Freezer -- Temperature range (-50°C) to (-86°C)—Size: 185 litre capacity (Make –Bionics scientific technologies/Bioera/Microfilt/Labtop/Thermoscientific/Any other make)
- 13) Vertical Ultra low temperature Freezer -Temperature range (-50°C) to (-86°C)- Size: 84 litre capacity (Make –Bionics scientific technologies/Bioera/Microfilt/Labtop/Thermoscientific/Any other make)
- 14) -80°C Ultra low temperature benchtop freezer-- Size: 28 litre capacity (Make—Thermofisher scientific/ Bioera/Microfilt/Labtop/Thermoscientific/Any other make)
- 15) -80°C Ultra low temperature chest freezer-- Size: 85 litre capacity (Make—Thermofisher scientific/ Bioera/Microfilt/Labtop/Thermoscientific/Any other make)
- 16) Biofreezer - 90 Liter (-20°C) to (-40°C) [Make-Labtop]Ultra Low Vertical Biofreezer –Size: 90 L capacity (-40°C) to (-80°C) [(Make—Microfilt/Bioera/Labtop/Thermoscientific/Any other make)]
- 17) Minus 80 Degree Deep Freezer --Size:100 L capacity [Make—Stericox/Microfilt/Bioera/Labtop/Thermoscientific/Any other make]
- 18) Ultra Low Temperature Freezer—Size:100 L capacity (-40 °C to -80 °C) [Make—Stericox/Microfilt/Bioera/Labtop/Thermoscientific/Any other make]
- 19) Analytical Weighing balance, Min-2mg and Max-220g (Make : Hi media/Labtop/Citizen/Microfilt/Bioera/Thermoscientific/Any other make)
- 20) High Speed Research centrifuge, Max speed:20000 rpm (Make : Microfilt/Labtop/Bioera/Thermoscientific/Any other make)
- 21) Magnetic stirrers , Size 10X10 cm or 18x18 cm (number required-3) (Make: Tarsons/Bioera/Remi/ Labtop/Borosil/Any other make)
- 22) Basic series Magnetic stirrer (Size: 120mm) (Make-Hi Media/Borosil/Tarsons/Bioera/Remi/ Labtop/Borosil/Any other make)
- 23) Basic hotplate stirrer (Size: 140mm) (Make-Hi Media/Borosil/Tarsons/Bioera/Remi/ Labtop/Borosil/Any other make)
- 24) Magnetic stirrer with hotplate (Make-Hi Media/Borosil/Tarsons/Bioera/Remi/ Labtop/Borosil/Any other make)
- 25) Hot air oven
- 26) Microbiological incubator
- 27) UV transillumintor
- 28) Spinix vortex shaker with speed control (Make-Tarson/Borosil/Tarsons/Bioera/Remi/ Labtop/Borosil/Any other make)
- 29) Benchtop Digital pH meter
- 30) Serological water bath
- 31) Vortex mixer
- 32) Heating mantle
- 33) Distillation unit
- 34) Portable pH meters

35) Variable Micropipettes

- Micropipette Variable Volume Range 100– 1000µl (Make-biolit/tarsons/bioera)
- Micropipette Variable Volume Range 5 – 50µl (Make-biolit/tarsons/bioera)
- MicroPipette Variable Volume Range 20 – 200µl (Make-biolit/tarsons/bioera)
- MicroPipette Variable Volume Range 10 – 100µl (Make-biolit/tarsons/bioera)
- MicroPipette Variable Volume Range 1 – 10µl (Make-biolit/tarsons/bioera)
- MicroPipette Variable Volume Range 0.1 – 10µl (Make-biolit/tarsons/bioera)
- Micropipette variable volume range 1000 µl-5000 µl (Make-biolit/tarsons/ bioera)

SERVICE AND REPAIR

Servicing/ Repair of the following Equipments/ Instruments:

- Laminar Air Flow (02-vertical and horizontal) - replacement of HEPA filter
- UV spectrophotometer
- Refrigerated centrifuge (REMI)
- CO₂ incubator-replacement of HEPA filter
- Light microscope – Olympus
- Compound microscope
- Magnetic stirrer
- Plant Growth chamber
- Cooling Incubator
- Orbital shaking incubator
- Baby fermenter (Ramnath Enterprises, St. Inez Panaji)
- Benchtop pH meter-calibration
- Portable pH meters (02)-calibration
- Benchtop distillation unit
- Standing Autoclave
- Benchtop autoclave
- Plant growth chamber-repair and regular servicing
- Orbital shaker incubator
- Benchtop centrifuge
- Weighing balance-calibration
- -20°C Deep freezer—servicing
- Bunsen's burners
- Hot air oven-Repair and servicing
- Microbiological Incubator-Repair and servicing

DEPARTMENT OF BIOCHEMISTRY
REQUIREMENT LIST FOR THE YEAR 2024-25

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. Nutrient broth
2. LB broth
3. Agar powder
4. Sodium Dihydrogen phosphate
5. Sodium hydrogen diphosphate
6. Tris buffer
7. Iodine crystals
8. Acetone
9. Potato dextrose broth-
10. Potassium Iodide
11. Sucrose
12. Cholesterol
13. Calcium chloride
14. Spirit
15. Absolute ethanol
16. Giemsa stain
17. Lactophenol cotton blue
18. Pine oil for oil immersion
19. Antibiotics
20. Sulphuric Acid
21. Petroleum ether
22. Isolation of DNA (kits)
23. Isolation of RNA (kits)
24. Isolation of plasmid (kits)
25. Transformation kit
26. Restriction digestion kit

NOTE:

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

DEPARTMENT OF BIOCHEMISTRY
REQUIREMENT LIST FOR THE YEAR 2024-25

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
14. Centrifuge Tubes (50ml & 15ml)
15. Permanent Slides

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

**DEPARTMENT OF BIOCHEMISTRY
REQUIREMENT LIST FOR THE YEAR 2024-25**

APPARATUS (OTHER ITEMS)

Teaching Kits:

Gemomic DNA extraction kit

Transformation kit

Restriction digestion kit

Plasmid Isolation kit

API stripes (fermentation and nitrogen)

Immunoelectrophoresis kit

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

Microscope oil

EQUIPMENTS

1. Single beam UV-Visible Spectrophotometer
2. Printer cum scanner
3. Computer (desktop)

Servicing of Equipments/ Instruments

Servicing of Compound microscopes - Olympus

Servicing of Incubator

Servicing of Hot air oven

Servicing of pH meter

Servicing of Laminar Air Flow

**DEPARTMENT OF BOTANY
REQUIREMENT LIST FOR THE YEAR 2024 – 2025**

CHEMICALS/KITS

Kindly submit the catalogues of below mentioned make for the supply of chemicals/kits to the Botany 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.

GLASSWARES

Kindly submit the catalogues of below mentioned make for the supply of Glassware to the Botany 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 BOTANY
REQUIREMENT LIST FOR THE YEAR 2024 –2025

EQUIPMENTS

(Kindly mention the make and detailed specification of the equipment)

Sr.	Name of the Item
1.	Analytical Balance
2.	Flame Photometer
3.	Lux meter
4.	Reflectometer

NOTE:

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

SPECIAL ITEMS

Sr.	Name of the Item
1.	Penicillium (preserved)
2.	Polysiphonia
3.	Albugo
4.	Puccinia
5.	Vermiculite
6.	Cocopit
7.	Permanent slides
8.	Mushroom Oyster Spawn

NOTE:

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

DEPARTMENT OF BOTANY
REQUIREMENT LIST FOR THE YEAR 2024 – 2025

APPARATUS (OTHER ITEMS)

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

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.	Filter papers (Blotting papers)
15.	Forceps (Pointed and Blunt)
16.	Glass cuvettes(for spectrophotometer)
17.	Glass rods
18.	Grafting Knife
19.	Grafting tape
20.	Haemocytometer
21.	Inoculation loops
22.	Inoculation needle
23.	Magnetic stir bars
24.	Micropipettes of different ranges
25.	Mortar & Pestle
26.	Non absorbent cotton
27.	Ocular meter
28.	Pair of tongs
29.	Parafilm
30.	PCR kit
31.	pH papers
32.	Plastic trays
33.	Pointer eye piece
34.	Scalpel blades
35.	Scalpel holders
36.	Sieves with mesh size (37µm, 45 µm, 75 µm, 106 µm, 150 µm, 250 µm)
37.	Slides
38.	Stage micrometer
39.	Surgical gloves
40.	Surgical masks
41.	TLC jars (chromatography chamber)
42.	Tripod stand
43.	Water can
44.	Water sprayer
45.	Whatmann Filter paper No.1

DEPARTMENT OF GEOLOGY
LIST OF REQUIREMENT FOR THE YEAR 2024 – 2025

I. EQUIPMENT / INSTRUMENTS / LABORATORY CONSUMABLES

SR. NO.	EQUIPMENT / INSTRUMENTS / LABORATORY CONSUMABLES	QTY.
1	Agate Mortar and Pestle	02 nos.
2	Brunton Compass	05 nos.
3	Chelsea Color Filter	02 nos.
4	Chisel	05 nos.
5	Clinometer compass	05 nos.
6	Contact Goniometer	02 nos.
7	Core boxes	05 nos.
8	Dichroscope	02 nos.
9	Double Ring Infiltrometer	02 nos.
10	Fossils (replicas/casts/actual fossils)	05 nos.
11	Geological Hammer	05 nos.
12	Hardness box	05 nos.
13	Haversack	05 nos.
14	Oven	01 nos.
15	Petrological Ore Microscope & accessories	01 nos.
16	Petrological Binocular Microscope 10x	01 nos.
17	Pertological Microscope	02 nos.
18	Plane Table	02 nos.
19	Pocket Lens	10 nos.
20	Polariscope	02 nos.
21	Refractometer	02 nos.
22	Resistivity Meter	01 nos.
23	Rocks/ Mineral/Ore mineral thin sections (slides)	20 slides
24	Sledge Hammer	02 nos.
25	Spectroscope	02 nos.
26	Smart TV	01 nos.
27	Streak Plates	10 nos.
28	Specimen trays (acrylic)	20 nos.
29	Theodolite	01 no.
30	Ultraviolet Lamp	01 nos.
31	Weighing machine 5-10Kg	01 nos.
32	Water and Soil Analysis Kit with LCD display covering measurement of pH, conductivity, turbidity, colorimeter, TDS, salinity	01 kit

SR.NO	SERVICING / REPAIR	QTY.	REMARKS
1	Servicing of Microscopes	10 nos.	Regular servicing
2	Servicing of Instruments		Regular servicing
3	Servicing of Refrigerator	01 no.	Not working
4	Servicing of Single Pan Balance; Make: Essae	02 nos.	Servicing / Calibration

DEPARTMENT OF GEOGRAPHY AND RESEARCH CENTER (UG- Aided)
LIST OF REQUIREMENT FOR THE YEAR 2024 –2025

Sr.no.	Item	Qty
1	Survey Instrument – Theodolite	1
2	Geographical Models	5
3	Globe	2

DEPARTMENT OF PHYSICS
LIST OF REQUIREMENT FOR THE YEAR 2024 –2025

Sr.no	Name of the Equipment	Quantity
1	Telescope fitted with gauss eye piece and cross wire mounted on the inner frame of Telescope(not graticule on eye piece)	2
2	Adjustable slit (self-centering)	4
3	Oscilloscope	1
4	Signal Generators 100 MHZ	1
5	Oscilloscope Probes(BNC Connectors)	6
6	Experiment kit to study Strain gauge	1
7	Constant current source Current in Microamp	1
8	Grating (Assorted Values for Balmer series)	4
9	Absorption spectrum of solids and liquids	1
10	Planks constant by Black body	1
11	Thermal conductivity by Lees and Chartons method	1
12	VTVM Digital	2
13	Photogates(For Air track Apparatus) Indosaw Make	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).@ 550/- per bottle	4
2	Toulene (500ml).@ 600/- per bottle	4
3	Benzene @ 550/- per bottle	4

DEPARTMENT OF ZOOLOGY
REQUIREMENT LIST FOR THE YEAR 2024 –2025

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.

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
REQUIREMENT LIST FOR THE YEAR 2024 – 2025

APPARATUS (OTHER ITEMS)

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

1. Haemocytometer
2. Micropipettes: 100 & 500 ul
3. WBC pipettes
4. RBC pipettes
5. Cover slips
7. Slides
8. TLC jars (chromatography chamber)
9. Bottles (60ml) with dropper
10. Pointer eye piece
11. pH papers
12. Butter papers
13. Blotting papers
14. Mortar & Pestle
15. Nichrome loop
16. Capillary tubes
17. Test tube holders
18. TLC plates
19. Wire gauge
20. Surgical gloves
21. Fish sweeping nets
22. Autoclavable bags
23. lancet
24. Cling paper
25. Whatman Filter papers
26. Permanent Slides: 2 celled stage, 4 celled stage, 8 celled stage, blastula, gastrula, cleavage in sea urchin, Histological slides (Hypothalamus, Pineal gland)
27. Spirit Lamp
28. Micro tips
29. Spatulas
30. Parafilm
31. White porcelain tile
32. Blades
33. Table lamp
34. Centrigrade mercury thermometer
35. Burner
36. Measuring Tape
37. Forceps
38. Dissecting Scissors
38. Blades
39. Wax Trays
40. Stainless steel Pins
41. Needles
42. Scalpel Blade holder
43. Glass cuvettes
44. Cavity slides
45. Quadrant (metal/wood/PVC)
46. Specimens: 2 Pests of the following crops:Paddy,Cashew, Coconut, Areca Nut, Sugarcane, Vegetable pest, Fruit pest, Specimen ofMosquitos, Housefly, Sand fly, Bed bug, Rat fleas, Termites,Mulberry silk worm, Lac insect.

DEPARTMENT OF ZOOLOGY
REQUIREMENT LIST FOR THE YEAR 2024 – 2025

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

1. Binocular microscope
2. Co2 Incubator
3. Densimeter
4. Refrigerator
5. Deep freezer
6. Analytical Balance
7. Spectrophotometer
9. Vortexmixture
10. Water distillation unit
11. Shaker
12. Camera
13. Occular Micrometers
14. Conductivity Meter
15. Colorimeter
16. Microtome
17. Dispenser
18. Centrifuge
19. Weighing machine
20. Aquarium filter
21. Waterbath
22. Stereo zoom Microscope
23. Refractometer
24. Thermometer
25. Aquarium Aerators
26. Portable pH meter
27. Ultra Turrax mixer
28. Thermostatic centrifuge
29. Cyclomixer
30. Sahli's Haemoglobinometer

**Post Graduate Diploma in Clinical Genetics & Medical Laboratory Techniques
(PGDCG&MLT)**

REQUIREMENT LIST FOR THE YEAR 2024 -2025

EQUIPMENTS

Kindly submit the catalogues of below mentioned **EQUIPMENTS** for the supply of equipments to PGDCG&MLT section of our College.

LIST OF EQUIPMENTS

Sr. No	Name of the apparatus
1.	Glucometer
2.	Microscope

Note: Kindly mentioned the discount & the taxes applicable for the above requirements.

CHEMICALS

Kindly submit the catalogues of below mentioned make for the supply of chemicals to PGDCG&MLT section of our College.

Sr. No.	Make
1.	Thomas Baker
2.	Himedia
3.	S.D.Fine
4.	Genei
5.	Glaxo
6.	Gibco
7.	Merck
8.	SRL
9.	Loba chemicals

Note: Kindly mentioned the discount & the taxes applicable for the above requirements.

List of Chemicals:

Sr. No.	Name of the chemical	Product code	Make	Quantity
1.	Eryscreen ABO Rh Reagent 3 x 12 ml		Tulip	1 Kit (3 x 12 ml)
2.	Acetone	00012	Loba chemicals	500 ml
3.	Acetic acid glacial, Hi-AR		HiMedia	500 ml
4.	Acetyl acetone	2281	TBC	500 ml
5.				
6.	Bromo Cresol Green Indicator	I002-125ML	HiMedia	125 ml
7.	HM- X-Pert Blood Genomic DNA extraction Kit	HTBM006	HiMedia	1 Kit (10PR)
8.	Diazo reagent 'A'	45175	s.d fine	250 ml
9.	Disodium phenyl phosphate (alkaline phosphatase)			
10.	Hm X-Pert DNA molecular size determination Kit	HTBM014	HiMedia	1 Kit (10 PR)
11.	Ethanol	-----	-----	500 ml x 6 Bottles
12.	Fetal bovine serum (FBS)		HiMedia	
13.	GOD POD Kit			1 Kit
14.	Haematoxylin (Harri's) stain solution	87300	TBC	125 ml
15.	HIV Kit			1 Kit
16.	Leishman stain solution	S018S-250 ml	HiMedia	250 ml
17.	Methanol 99.8% HPLC Gradient grade	0199D 01000	Loba Chemicals	1000 ml
18.	Methanol 99.7% for UV Spectroscopy	00200 00500	Loba Chemicals	500 ml
19.	Methylene blue (aqueous) staining solution	45028	s.d fine	125 ml
20.	Serum protein determination kit (Biuret reagent)			1 Kit
21.	Phosphomolybdic acid reagent			
22.	Phosphotungstic acid reagent			
23.	Potassium hydroxide pellets	GRM-251-500G	HiMedia	500 grams
24.	Phytohemagglutinin	10576-015	Gibco	10 ml
25.	Platelet diluting fluid	PD1440	Pathozyme	250 ml
26.	RPMI Medium 1640 (1X)	11875-093	Gibco	500 ml
27.	Silver nitrate		Loba chemical	125 grams
28.	Sodium hydroxide			500 grams
29.	Tungstic acid reagent			
30.	VDRL Kit			1 Kit
31.	WIDAL Kit			1 Kit

**Post Graduate Diploma in Clinical Genetics & Medical Laboratory Techniques
(PGDCG&MLT)**

REQUIREMENT LIST FOR THE YEAR 2024-2025

CONSUMABLES

Kindly submit the catalogues of below mentioned make for the supply of chemicals to PGDCG&MLT section of our College.

Sr. No.	Name of the Consumables
1.	Syringes
2.	Lancets
3.	Absorbent cotton
4.	Non absorbent cotton
5.	Butter paper
6.	Blotting paper
7.	Millipore filter membrane
8.	Parafilm
9.	pH papers

GLASSWARES & APPARATUS

Kindly submit the catalogues of below mentioned make for the supply of GLASSWARES, PLASTICWARES & APPARATUS to PGDCG&MLT section of our College.

Sr. No.	Make
1.	Borosil
2.	Himedia
3.	Tarson
4.	J-Sil

Sr. No.	Name of the Consumables
1.	Beakers
2.	Coverslips
3.	Measuring cylinders (50 ml, 100 ml)
4.	Droppers
5.	Haemocytometer
6.	RBC Pipette with tubing
7.	WBC Pipette with tubings
8.	Sahli's Hemoglobinometer

DEPARTMENT OF CHEMISTRY
REQUIREMENT LIST FOR THE YEAR 2024-2025

1. Unless otherwise stated, all chemicals should be of guaranteed Reagent (G.R.) grade.
2. Tenderers should specify the brand of chemicals. Preference will be given to the brand like Loba, Sd 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 obtained from the Head of Chemistry Department.

A. Organic Chemicals:

S. N.	Item	Brand	Rate	Per	Quantity Required
1	Acetic acid				1 x 2.5 L
2	Acetic Anhydride				1 x 500 g
3	Acetone				6 x 2.5 L
4	Acetyl Acetone				1 x 500 mL
5	Acid Slurry				1 x 500 mL
6	2-Amino Phenol				1 x 100 g
7	Agar Agar				1 x 500 g
8	Benzil				1 x 250 g
9	Benzoic acid				1 x 500 g
10	Benzimidazole				1 x 500 g
11	Benzyl Alcohol				1 x 500 mL
12	n-Butyl Alcohol				2 x 500 mL
13	Chloroform				1 x 500 mL
14	Chlorobenzene				2 x 500 mL
15	Cinnamyl Alcohol				2 x 500 mL
16	1,2-Dichloroethane (Ethylene Chloride)				2 x 500 mL
17	Dichloromethane				2 x 500 mL
18	Dimethyl Glyoxime (DMG)				2 x 250 g
19	Diethyl Ether (Ether Solvent)				4 x 500 mL

S. N.	Item	Brand	Rate	Per	Quantity Required
20	Ethyl Alcohol				40 liters
21	Ethyl acetate				2 x 500 mL
22	Ethylenediamine				2 x 500ml
23	Imidazole				1 x 500 g
24	Blue Litmus Paper				10 pkts
25	Red Litmus Paper				10 pkts
26	Methyl Alcohol				1 x 500 mL
27	Methyl Acetate				2 x 2.5 liters
28	o-Methoxy Phenol				1 x 100 g
29	Methyl Iodide				1 x 100 mL
30	Nitrobenzene				2 x 500 mL
31	Oxalic Acid				2 x 500 g
32	Paraffin liquid (light)				2 x 500 mL
33	Petroleum Ether 40c - 60c				2 x 500 mL
34	o-Phenylene diamine				1 x 250 g
35	Pine oil				1 x 500 mL
36	Pine oil Emulsifier				1 x 500 mL
37	Iso-Propyl Alcohol				2 x 500 mL
38	Terpine Oil				1 x 100 mL
39	Turkey Red Oil				1 x 500 mL
40	Triphenyl Phosphine				1 x 250 g
41	Toluene				6 x 500 mL

B. Inorganic Chemicals:

S. N.	Item	Brand	Rate	Per	Quantity Required
1	Ammonia (liquor)				2 x 2.5 L
2	Buffer Tablet pH = 4				1 x 10 tab
3	Cobalt Chloride				1 x 500 g

4	Copper Nitrate				2 x 500 g
5	Ferric Chloride (Hexahydrate)				2 x 500 g
6	Ferrous Sulphate				1 x 500 g
7	Ferrous Sulphide				1 x 1 kg
8	Fremy's Salt				1 x 10 g
9	Hydrochloric acid				2 x 2.5 L
10	Hydrogen Peroxide (30 % 100 volume)				4 x 500 mL
11	Iodine mono chloride				2 x 100 g
12	Indole				1 x 500 g
13	Indian filter paper ordinary				2 reams
14	Whatman filter Paper No.1 Ream sheets				100 nos
15	Whatman filter PaperNo.1 circles 12.5cm				1 pkt
16	Whatman filter PaperNo.41 circles 12.5cm				4 pkts
17	Whatman filter PaperNo.42 circles 11.5cm				1 pkt
18	Narrow range pH Papers (range 1 to 14)				4 pkts
19	Lead Nitrate				2 x 500 g
20	Nickel chloride				2 x 500 g
21	Palladium Chloride				1 x 5 g
22	Potassium Iodide				1 x 500 g
23	Potassium Hydrogen Pthalate				1 x 500 g
24	Silica Gel for thin layer Column Chromatography				1 x 500 g
25	Sodium Hydroxide (Pellets)				2 x 500 g
26	Sodium Bicarbonate				2 x 500g
27	Stannous Chloride				1 x100 g
28	Sulphuric Acid				2 x 2.5 liters
29	Zinc Metal plates size 20 cm x 10 cm (1mm thick)				20 nos
30	Tin plates size 20cm x 10cm (1mm thick)				20 nos
31	Aluminium Plates size 20 cm x 10 cm (1mm thick)				20 nos
32	Iron plates size 20cm x 10cm (1mm thick)				20 nos

C. Glassware and Sundry Items

S. N.	Item	Rate	Per	Quantity Required
1	Beaker 150 mL borosil glass			60 nos
2	Beaker 250 mL ml borosil glass			30 nos
3	Beaker 500 mL borosil glass			10 nos
4	Burettes with Boro flow screw thread 25 x 0.1 mL class B borosil glass.			20 nos
5	Burettes with Boro flow screw thread 50 x 0.1 mL class B borosil glass.			20 nos
6	Bunsen burner for use with L.P.G.			20 nos
7	Silica crucible capacity 15 mL Brand Thiasil.			20 nos
8	Measuring Cylinder 5 mL			10 nos
9	Measuring Cylinder 10 mL			10Nos
10	Measuring Cylinder capacity 100 mL			10 nos
11	Flask Conical, Erlenmeyer Borosil glass 250 mL			20 nos
12	Flask Volumetric with stopper class Borosil glass capacity 25 mL			20 nos
13	Flask Volumetric with stopper class B borosil glass Capacity, 50 mL			10 nos
14	Flask Volumetric with stopper class B borosil glass Capacity, 100 mL			10 nos
15	Filter flask 500ml Borosil			10 Nos
16	Round bottom flask 25ml with B-10 joints			10 nos
17	Hickman head with two B-joints			10 nos
18	Water condenser with two B-10 joints			10 nos
19	Funnel short stem 3" (Borosilicate glass)			20 nos
20	Funnel short stem 6" (Neutral Glass)			04 nos
21	Separating Funnel 125ml with Teflon cork Borosil glass			20 Nos
22	Stalagmometer (straight type) Borosilicate or Jsil brand			20 nos
23	amps for Burette Fischer type			20 Nos
24	amps with boss heads			20 Nos
25	Viscometer, borosilicate glass			20 nos
26	Pipe-clay triangle in thick G.I. wire side 2"			60 nos
27	Pipettes with safety Bulb capacity 2mL Borosil glass			20 nos
28	Pipettes with safety bulb 50 mL, borosil			10 nos

29	Graduated Pipette 2mL Borosil			10 nos
30	Graduated pipette 10mL borosil			10 nos
31	Graduated pipette 25mL borosil			10 nos
32	Spoon Spatula 4"			20 nos
33	Test tubes 4" x 1"			50 nos
34	Test tube 4" x ½"			100 nos
35	Test tube brush Nylon bristles semi micro			60 nos
36	Test tube holder			24 nos
37	Tripod stand with Triangular top			10 nos
38	Pair of tongs (Crucible tongs)			40 nos
39	Melting point capillaries Neutral glass one end sealed			20 pkts
40	Thermometer 0-350 c x1c			20 nos
41	Glass droppers 5"			50 nos
42	Plastic droppers 5"			50 Nos
43	Buckner funnel 2" (porcelain)			10 nos
44	Rubber teats for glass dropper			50 nos
45	Rubber cones for sintered glass crucible			10 nos
46	Rubber Cork No.12			10 nos
47	Rubber bulb for Pipette 5 mL			40 nos
48	Rubber bulb for Pipette 10 mL			40 Nos
49	Rubber bulb for Pipette 25 mL			40 Nos
50	Plastic tubings 10mm diam			10mtre
51	Plastic tubings 12mm diam			10 mtre
52	Plastic tubings 15mm diam			10 mtre
53	Rubraflex tubing 8mm diam			5 mtre
54	Wire Gauze with asbestos on both side			60 nos
55	Screw clips			20 nos
56	Magnetic pellets (length 12mm)			10 nos

57	Magnetic Pellets (length 24mm)			10 nos
58	Round bottom flask B-19/26 joint capacity 100ml, (product code 4380B16), borosil			10 nos
59	Leibig condenser with drip tip, B-19/26 , (Product code 2400087)			10 nos
60	Slopping planes still head with B joint 19/26 (Product code 8841819), borosil			10 Nos
61	Glass stoppers, penny head with B joint 19/26 borosil (Product code 8100A19)			10 nos
62	Adapter Receiver bent with vaccum connection (B19), Product code 8830619 Borosil.			10 nos
63	Guard tubes (B19)			10 nos
64	Pressure equalizing cylindrical funnel with PTFE stopcock capacity 50ml			5 nos
65	Glass Thermometer Pockets, short type, B-19/26 joints, Borosil.			5 nos
66	Relative density Bottles (Pyknometer) With I/C PTEFE stopper, cap. 10ml			10 nos

C- EQUIPMENTS

S. N.	Items	Rate	Per	Quantity 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)			8 nos
7.	Electroplating Equipment for Laboratory purpose.			1 no.
8.	Electroless plating bath			1 no.
9	Equipment for corrosion studies			1 no.
10	Double distilled water plant			1 no
11	Refrigerator 300 liters			1 no
12	Grade 'A' Grey colour Agate Mortar and pestle size 5"			1 no
13	Digital Balance 0.01g			1 no.
14	Acid Dispenser			1 no

15	Conductivity meter			2 nos
16	Water bath 6 holes			4 no
17	Water bath 12 holes			3 no
18	Hot air Oven			1 no.
19	Polari meter, manual			2 nos
20	Wall mounted cabinets/ Racks wooden)			6 nos
21	Paper Electrophoresis instrument			2 nos
22	Turbidity meter			2 nos
23	Electrophoresis setup for Cation Separation			2 nos
24	Electrophoresis setup for Protein Separation			2 nos
25	Platinum plates size 2 x 2cm			6 nos
26	12 volt Battery Set up			2 nos

E- MISCELLANEOUS ITEMS

S. N.	Items	Rate	Per	Quantity Required
1.	Hand wash liquid			10 liters
2.	Gas Cylinder refilled			15 nos
3.	Detergent powder			4 x 250 g
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
9.	Jasmine Perfume			1 x 100 mL
10.	Nilgiri Oil			1 x 100 mL
11.	Turmeric Powder			1 x 100 g
12.	Red Chilli powder			1 x 100 g
13.	Vanaspati Ghee			1 x 500 g
14.	Edible oil			1 x 500 mL
15.	Honey			1 x 50 g
16.	Coffee powder			1 x 50 g
17.	Soft drink limca			2 x 250 mL
18.	Soft Drink Coca Cola			2 x 250 mL
19.	Soft drink Fanta (orange)			2 x 250 mL
20.	Soft drink, sprite			2 x 250 mL
21.	Fruit juices, Pineapple, Mango, Guava etc 200 mL each			3 x 200 mL each

F- Repair and Maintenance of Equipment's

S. N.	Name of Article and Description	Make/ Model	Rate	Per	Quantity Available
1	UV-Visible Spectrophotometer	Shimadzu / UV mini 1240			1
2	Spectrophotometer with Cuvette	BioEra			1
3	Digital Colorimeter	Zeal Tech/09151			1
4	Digital PH-Meter	Zeal Tech/09112			1
5	Digital PH-Meter	Equiptronics/EQ-614			1
6	Digital Polarimeter	Equiptronics/EQ-800			1
7	Digital Potentiometer	Equiptronics/EQ-609			1
8	Digital Top Loading Analytical Balance	Denver/TP3031DE			1
9	Digital Top Loading Analytical Balance	Vibra / DJ-300			1
10	Magnetic Stirrer with Hot Plate	Remi /2 LH			1
11	Spectrophotometer with Cuvette	Elico /SL-171			1
12	Digital Conductivity meter	Equiptronics/EQ-664A			1
13	Digital Potentiometer	Equiptronics/EQ-606			1
14	Digital Potentiometer	ZealTech/09102			1
15	Suction Pump	Make: Indvac			1
16.	Muffle Furnace, BTI model No.36	Make: BTI			1

POST GRADUATE DEPARTMENT OF CHEMISTRY
LIST OF REQUIREMENT FOR THE YEAR 2024 – 2025

Sr. No	Chemicals	Quantity		Sr. No	Chemicals	Quantity
1	1-butanol	1L		32	Buffer 4 capsules	1 Box
2	PotassiumIodide	500g		33	Buffer 7 capsules	1 Box
3	Propanol	1L		34	Buffer 9 capsules	1 Box
4	Acetone	2.5L		35	Sodium Carbonate	2 x 500g
5	n-Hexane	1L		36	Benzil	500g
6	PetroleumEther	5L				
7	PotassiumHydroxide	500g				
8	SodiumHydroxide	3 x500g				
9	Dichloromethane	1000mL				
10	DiethylEther	2.5L				
11	Chloroform	5L				
12	Ethanol	5L				
13	EthylAcetate	1000ml				
14	Glacialacetic acid	2.5L				
15	Glycerol85%	1000ml				
16	Hydrochloricacid	5L				
17	HydrogenPeroxide	2.5L				
18	Isopropanol	500mL				
19	Sodiumchloride	500g				
20	Sulphuricacid	5L				
21	Toluene	2.5L				
22	Potassium Iodide	500g				
23	Methanol	1L				
24	Silica for TLC	1000g				
25	Whatmannfilterpaperno1	100 sheets				
26	Whatmannfilterpaperno41	2 boxes				
27	Whatmannfilterpaperno42	1 box				
28	Ammonia	2.5L				
29	Hydrazine Sulphate	500g				
30	Copper sulphate	500g				
31	Zinc Sulphate	500g				

POST GRADUATE DEPARTMENT OF CHEMISTRY
LIST OF REQUIREMENT FOR THE YEAR 2024 – 2025

GLASSWARE REQUIREMENTS

Sr. No	Glasswares	Quantity
1	50 mL pipette	10
2	10 mL pipette	10
3	5 mL graduated pipette	10
4	1 mL graduated pipette	05
5	0.5 mL graduated pipette	05

EQUIPMENT REQUIREMENTS

Sr. No	Equipments	Quantity
1	pH electrode	04
2	Conductivity cell	04

FURNITURE REQUIREMENTS

LIST OF REQUIREMENT FOR THE YEAR 2024 - 2025

FURNITURE

DEPARTMENT OF COMPUTER SCIENCE

Sr. No.	Item Type	Quantity
1.	Chairs	25 nos.
2.	Small cupboard	03 nos.
3.	Curtains for laboratory	Measurements will be provided

DEPARTMENT OF GEOGRAPHY AND RESEARCH CENTER

Sr. No.	Item Type	Quantity
1	Chairs with adjustable writing Pad	10 nos.

DEPARTMENT OF PHYSICS

Sr.no	Item type	Quantity
1.	Steel Cupboards	2 nos.

DEPARTMENT OF GEOLOGY

SR.NO.	FURNITURE	QTY.
1	Wooden tables	10 nos.
2	Wooden stools	10 nos.

DEPARTMENT OF ZOOLOGY

SR.NO.	FURNITURE	QTY.
1	Aluminium Cover for table	1 no.
2	Repairing of table racks	1 no.

SPORTS ITEMS

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS MANAGEMENT
LIST OF SPORTS EQUIPMENTS AND SPORTS JERSEIES REQUIRED
FOR THE YEAR 2024-25

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	White/Orange or 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	Electrical	--	1
8.		Foot Pump		1
9.		Hand Pump (small)		1
10.	Air Pressure gauge	For measuring Air Pressure		1
11.	GK Gloves	Raptor Torrido/Ditmar Spider For Men/Women (M/L)	Nivia	2
12.	GK Jersey and Shorts	Dry Fit Double Sublimation/Single Sublimation		8
13.	Bibs	Dry fit		20
14.	Referee T-Shirt and Shorts	T-Shirt: Fluorescent Pink/Yellow Shorts: Black		6
15.	Whistle		Fox 40	10
16.	Basketball	No 6	Nivia	5
17.	Basketball	No 6	Nivia	5
18.	Basketball Net	Cotton/Nylon		6 pairs
19.	Basketball T-Shirt and Shorts	Dry Fit Double Sublimation/Single Sublimation		24
20.	Volleyball		Nivia	5
21.	Volleyball Net	Cotton/Nylon		3
22.	Volleyball Knee pad	Cotton plain, nylon plain		24
23.	Volleyball T-Shirt and Shorts	Dry Fit Double Sublimation/Single Sublimation		24
24.	Handball	Men	Nivia	2
25.	Handball	Women	Nivia	2
26.	Cricket Season Ball	Red	Famex/BAS/SG	36
27.	Cricket Season Ball	White	Famex/BAS/SG	12
28.	Cricket T Shirt and Pants	Dry Fit -White and Orange with Logo and Number		32
29.	Cricket T Shirt and Pants	Dry Fit Double Sublimation/Single Sublimation		32
30.	Hockey Ball		Nivia	6

31.	Baseball			6
32.	Baseball Bat	Light/ Medium /Heavy		1 Each
33.	Baseball Gloves (Mitts)	Small/Medium/Large		12
34.	Baseball Catcher	Pads/Face Mask/Helmet		1 set
35.	Baseball	Helmet		10
36.	Table Tennis Ball	3 Star	Stag	2 Doz.
37.	Table Tennis Ball	2 Star	Stag	2 doz.
38.	Table Tennis Ball	1 Star	Stag	10 box/60 pc
39.	Table Tennis Racket	GKI euro V Butterfly Addoy	GKI/Butter Fly	8
40.	Table Tennis Net with Clamps		Stag	3
41.	Table Tennis T-Shirt and Shorts	Dry Fit Double Sublimation/Single Sublimation		10
42.	Shuttle Cock Plastic	Mavis 350	Yonex	4 Boxes
43.	Shuttle Cock Natural Feathers	Aerosensa2	Yonex	8 Boxes
44.	Badminton Racket	Not Exceeding Rs 600.00 Zr111 Light	Yonex	8
45.	Badminton Racket	Not Exceeding Rs 2000.00 Voltric Lite	Yonex	4
46.	Badminton Net			2
47.	Badminton T-Shirt and Shorts	Dry Fit Double Sublimation/Single Sublimation		10
48.	Badminton Racket Grip		Yonex	20
49.	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 20 x Handiplast 2 x Finger Splints 1 X Digital Thermometer		2
50.	Ice Packs			6
51.	Crape Bandages			6
52.	Kinetic Tape	Pre-Cut KT for Hand/Wrist/Foot/Neck/Ankle/Back /Knee/Calf and Thigh Support		2 Packs each

53.	Cricket Bat	English Willow not more than Rs. 10000	SG/BAS/SA/BDM	2
54.	Cricket Bat	English Willow not more than Rs. 7000	SG/BAS/SA/BDM	2
55.	Cricket Bat	Kashmir Willow not more than Rs. 4000	SG/BAS/SA/BDM	2
56.	Cricket Bat	Size 6 English Willow not more than Rs.6000	SG/BAS/SA/BDM	2
57.	Cricket Bat	Size 6 Kashmir Willow not more than Rs.3000	SG/BAS/SA/BDM	2
58.	Batting Pads	Men Not More than Rs 2000	SG/BAS/SA/BDM	3
59.	Batting Pads	Not More than Rs 1000	SG/BAS/SA/BDM	3
60.	Batting Pads	Not more than Rs 500	SG/BAS/SA/BDM	4
61.	Batting Pads	Youth Not more than Rs 1500	SG/BAS/SA/BDM	4
62.	Batting Gloves	Not More than Rs 1500	SG/BAS/SA/BDM	3
63.	Batting Gloves	Not More than Rs 1000	SG/BAS/SA/BDM	3
64.	Batting Gloves	Not More than Rs 500	SG/BAS/SA/BDM	4
65.	Batting Gloves	Youth Not More than Rs 800	SG/BAS/SA/BDM	4
66.	Elbow Guard	Men		2
67.	Elbow Guard	Youth		2
68.	Helmet	Men		4
69.	Helmet	Youth		3
70.	Thigh Guard	Men		4
71.	Thigh Guard	Youth		3
72.	Abdomen Guard	Men		4
73.	Abdomen Guard	Women		3
74.	Wicket Keeping Pads	Men Not More Than Rs 1500		2
75.	Wicket Keeping Pads	Youth Not more than Rs 1500		2
76.	Wicket Keeping Gloves	Men Not More Than Rs 2000		2
77.	Wicket Keeping Gloves	Youth Not more than Rs 1500		2
78.	Stumps Set with Base			2
79.	Single Stump with base			2
80.	Wooden Stumps set with bails	For natural turf		4
81.	Cricket Kit Bag	With Wheels		4
82.	Cricket Kit Bag	Regular		3
83.	Ladder for Fitness Training			2
84.	Cones	XL		20
85.	Hurdles for Fitness training	High qlty		6
86.	Skipping rope	High qlty		18

87.	Tera Bands	High qlty		8
88.	Tera Tubes	High qlty		8
89.	Medicine Ball	1,2 & 5 KG		2 each
90.	Weight Lifting belt	International		4
91.	Cycles for road racing with gears	Not Exceeding Rs 30000		2
92.	Cycling Helmet			12
93.	Cycling Gloves	(Road Racing/MTB)		14
94.	Cycling Lycra Jersey and Shorts Set	Black, Orange and white (Road Racing/MTB)		10
95.	Hand Pump	For Cycles		2
96.	Cycle Inner Tube			6
97.	Tennis Racket	Not More than Rs 7000	Wilson/Head	4
98.	Tennis Racket	Not More Than Rs 5000	Wilson/Head	6
99.	Tennis Racket	Not More Than Rs 3000	Wilson/Head	6
100.	Tennis Grip	High qlty	Yonex	20
101.	Lawn Tennis Ball	Bag of 25 non pressure packed balls	Dunlop	2
102.	Lawn Tennis Ball	Pressure Packed	Wilson/Dunlop	8
103.	Lawn Tennis Net			1
104.	Tennis Racket Kitbag	For Maximum 2 Rackets		5
105.	Tennis Racket Kitbag	For Maximum Six Rackets		2
106.	Judo uniform	High qlty		6
107.	Taekwondo Uniform	WTF Approved		14
108.	Taekwondo protective gears set	Full Set Approved by WTF Small/medium/large		2 sets each
109.	Taekwondo Training equipment	All		2 sets
110.	Chess board with coins	International		10 sets
111.	Chess Clock		NIVIA/DGT	2
112.	Carrom Coin set and Striker	standard		4 each
113.	Carrom Powder	250 grams		20
114.	T-Shirt (with sleeves)	Dry Fit -Double Sublimation/Single Sublimation		60
115.	T-Shirt (without sleeves)	Dry Fit- Double Sublimation/Single Sublimation		60
116.	Shorts/half pants	Dry Fit- Double Sublimation/Single Sublimation		60
117.	Caps	Black, Orange and white Cotton/white or blue		124
118.	Caps	Black, Orange and white Nylon/Acrylic/white or blue		124
119.	T Shirt/Pant	Dry Fit- Double Sublimation/Single Sublimation		10
120.	Cups (All size)	Standard quality		20
121.	Medals	Gold, silver, Bronze Various sizes Not More Than Rs. 100		300

122.	Medals	Specially Designed Not More Than Rs. 150		40
123.	Mementos	Various size/various designs Not More Than Rs. 500		50
124.	Swimming glasses			4
125.	Swimming caps			4
126.	Tennikoit ring	Federation Standard		12
127.	Tennikoit net			4
128.	Tennikoit Pole Set			1
129.	Javelin	Men- Aluminium/Fibre		1
130.	Javelin	Women-Aluminium/Fibre		1
131.	Discus	Men-Wooden/Fibre		1
132.	Discus	Women-Wooden/Fibre		1
133.	Shot put	Men		1
134.	Shot put	Women		1
135.	Hammer	Men		1
136.	Hammer	Women		1
137.	Cricket Bat	For Tennis Heavy Ball		2
138.	Cricket Bat	For Tennis Medium Ball		2
139.	Cricket Bat	For Tennis Light Ball		3
140.	Tennis Heavy Ball		Khanna	2 doz
141.	Tennis Medium Ball		Khanna	4 doz
142.	Tennis Light Ball		Khanna	1 doz
143.	Cricket Bat Grip			15
144.	Cricket Bat Grip Cone			1
145.	Running Spike Shoes		NIVIA	8
146.	Yoga Mat			15
147.	Sepak Tekrow Ball			2
148.	Sepak Tekrow Net			2

**TRANSPORT
SERVICES**

REQUIREMENT OF VEHICLE

Kindly mention rates of all the below requirements as per the rate per kilometre in your quotation. Also mention AC or Non-AC & any other Charges.

Sr. No.	Capacity
1.	5 seaters
2	7 seaters
3	13 seaters
4	14 seaters
5	16 seaters
6	26 seaters
7	40+ seaters
8	50+ seaters

STATIONARY
INCLUDING COMPUTER
STATIONERY &
OTHER ARTICLES

Sr. No.	Description	Band/ Specification	Quantity
STATIONERY – PRINTING			
1.	Letter Head Pads (as per specimen)	a) Alabaster paper (120 GSM) b) Executive Bond	100 pads (100 sheets each) 100 pads (100 sheets each)
2.	Merit Certificates & other Certificates	(as per specimen)	200 copies
3.	Envelopes - 9.5" x 4.5" (white)	As per specimen	10,000 copies
4.	Envelopes - 12" x 10" (white)	As per specimen	10,000 copies
5.	Brown Envelopes (as per specimen)	9 ¹ / ₂ " x 4 ¹ / ₂ "	4,000 copies
6.	Green Envelopes with glue (as per specimen)	A3	2,000 copies
7.	Main Answer-Books -Red - Blue -Black	5 sheets (as per specimen) -do- -do-	20,000 copies 20,000 copies 20,000 copies
8.	Supplementary answer-books -Red - Blue -Black	2 sheets (as per specimen)	30,000 copies 30,000 copies 30,000 copies
9.	Practical answer-books	2 sheets (as per specimen)	20,000 copies
10.	Intra-Semester answer-books (Red & Blue)	2 sheets (as per specimen)	10,000 copies in each colour
11.	Service Book (Leave part)	12 pages (as per specimen)	200 booklets
12.	Printing of Vidya Magazine, Receipt Books, Course Registers, Transfer Certificate Register, various proformas, Lamination and allied stationery items and binding. (As and when required)		
13.	Printing of Marksheets		5000 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.			

IMPORTANT : Please state the BRAND and other specifications of the quoted items.

STATIONERY - NON-PRINTING

1.	JK Excel Bond Paper (A4 size)		10 reams
2.	Green Ledger paper (80 GSM)		30 reams
3.	Box files (plastic laminated)		10 doz.
4.	Box files (Kangaroo clip or similar quality)		40 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	20 boxes
9.	HB Lead Pencils		18 boxes
10.	Apsara or Navneet Pencils		2 boxes
11.	Sharpeners and Erasers		5 dozs.
12.	Ball-pens (black & blue)		25 pkts. each
13.	Correction Pen		3 dozs.
14.	Paper cutter (big)		06 nos.
15.	Scissors (medium)		10 nos.
16.	Scissors (big)		10 nos.
17.	Cello tape (1 inch.width)	Small	2 dozs.
18.	Cello tape (1 ½ inch.width)		1 doz.
19.	Cello tape (2 ½ inch width)	Big	10 nos.
20.	Brown tape (2 inch)		10 nos.
21.	Gum paste bottle - Small (300 ml) Big (700 ml)		05 doz. 06 nos.
22.	Glue sticks		05 dozs.
23.	Fevicol Bottles		02 doz.
24.	Fevicol Tubes		08 nos.
25.	Sutali		10 kgs.

26.	Nylon File laces(white thick laces 24 inch)		12 packets
27.	Staplers (10 no.)		07 doz.
28.	Staplers (HD-45)		20 nos.
29.	Staple pins a) (10 no. size) b) (24x6) c) 23/13-H. (13mm (1/2"))		20 boxes (20 each) 1 doz. 6 Boxes
30.	Rubber bands (big size) (medium size)	Assorted	5 kgs. (500 gms packet) 1 kg.
31.	Graph papers		5000 sheets
32.	Permanent markers (Blue, Red , Green and Black)		03 doz.
33.	OHP marker		06 nos.
34.	White Board Markers		50 nos
35.	Paper Punch	DP-480	6 nos.
36.	Paper punch	DP-600	12 nos.
37.	Paper Punch (for punching 20 or more papers at a time)		2 nos.
38.	Wax candles	Big	20 boxes
39.	Four flap Folders	Red/Blue colour	2 dozs.
40.	Twines		60 boxes
41.	Chalk (Beekay/Leeba make)	White	200 boxes
42.	Chalk (Beekay/Leeba make)	Coloured	100 boxes
43.	Duster		100 nos.
44.	Stamp pad Blue (Kores)		2 doz.
45.	Stamp pad Red (Kores)		4 nos.
46.	Stamp pad ink blue (100 ml)		10 bottles
47.	Stamp pad ink red (100 ml)		3 bottles
48.	Water Sponge		2 doz.
49.	Register	100 pages	4 doz.
50.	Register	200 pages	5 doz.

51.	Register	400 pages	2 doz.
52.	Exercise books	100 pages	2 doz.
53.	Exercise books	200 pages	2 doz.
54.	Brown Envelopes	12" x 10"	1000 nos.
55.	Brown Envelopes	14" x 10.5"	1000 nos.
56.	Paper cutter (big size) (Small size)		8 nos. 8 nos.
57.	Carbon paper - Blue - Black		06 nos. 06 nos
58.	Xerox paper A3 size		1 ream
59.	Xerox paper-A4 (JK Green)		2000 reams
60.	Xerox paper- full size		200 reams
61.	Toner for HP Laser Jet 1020		30 nos.
62.	Toner for HP Laserjet 88A (10 original & 12 compatible)		22 nos.
63.	Toner for Canon NPG-57		02 nos.
64.	Toner for HP laserjet Pro M203 dw		02 nos.
65.	Toner for HP laserjet 400 M 401		02 nos.
66.	Toner for Brother MFC-L5900 DW		12 nos.
67.	Toner for canon Image class MF 249 dw		10 nos.
68.	Toner for Brother DCP-L 3551CDW		1 no.
69.	WD40 Anti spray		06 bottles
70.	Calculator (14 Digit)		8 nos.
71.	Calculator (12 Digit)		8 nos.
72.	30 Inch scale		2 doz.
73.	Soft Notice Board Pins		2 packets
74.	Stick- ons		5 doz.
75.	Binder clips 41 mm		2 doz.
76.	Butter Papers		80 Nos.

77.	White boards (as per specimen)		5 nos.
78.	Wall Clock		2 nos.
79.	Spring Files (Plastic Coated)		50 nos.
80.	Brown Paper		10 doz.
81.	Drawing Pins		5 packets
82.	Tracing Paper		2 reams
83.	Oil paint (white & Black)		200 ml each
84.	Fine paint brushes		05 nos.
85.	Batteries AA		06 nos.
86.	Batteries AAA		06 nos.
87.	Naphthalene Balls		15 kgs
88.	Numbering machine		1 no.
89.	Steel Rulers		5 nos.
90.	Cello tape dispenser		01 no.
91.	Highlighter		5 nos.
92.	Remote Batteries		6 nos.
93.	Colour papers		40 nos.
94.	Tags (white) size 20 inches		20 bundles
95.	Aluminium Foil		2 packs
96.	Thread		2 boxes
97.	Cardboard A4 size (good quality)		6 nos.
98.	Paint markers		2 nos.
99.	Stop clock		1 no.
100.	White Chart Paper		10 nos.

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. *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.*
- D. **If the tenderer desires, he/she will be permitted to be present at the time of opening of the tender.**
- E. **The tenderer shall not be entitled to any interest/compensation on account of EMD in case the same is not returned in time.**
- F. **The Earnest Money Deposit will be forfeited to the institution if the tenderer fails to honour the order placed within the stipulated time.**
- G. **This office will take all the care to return the EMD deposits within the reasonable limit which is normally 30 days after opening of the tenders. However, if the supplies are covered by warranty period the EMD shall be retained till the warranty period is over.**
- H. **If the tenderer fails to claim the EMD within the period of 3 months from the time limit specified above, such EMD will be deposited into the institution treasury at the full risk of the supplier and the Principal shall not be responsible for delay, if any, to reclaim/return the same.**
- I. **EMD shall invariably be in the form of Deposit Receipt drawn on any scheduled bank and made in favour of the Parvatibai Chowgule College of Arts & Science, payable at Margao, drawn on any bank. The EMD in any other form other than specified above, shall not be accepted and tenders accompanied by such EMD shall be rejected.**
- J. **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.**

- K. 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.
- L. 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.
- M. 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.
- N. Every tender shall be accompanied by the following certificates :
- (i) Income-tax Clearance Certificate for the latest Assessment year.
 - (ii) GST Certificate.
 - (iii) Exemption towards payment of EMD shall be supported by a certificate from competent authorities.
- O. 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.

P. 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.

Q. 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 one year (from the date of opening of the tender till the end of the financial year)
- 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. 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).**
- B. 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.**
- C. 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.

- D. 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.
- E. 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 Parvatibai Chowgule College of Arts & Science payable at Margao and drawn on any 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 its 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