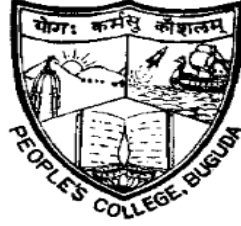


# PEOPLE'S COLLEGE, BUGUDA.



REQUEST FOR SEALED QUOTATIONS  
FOR PURCHASE UNDER LAB. DEV.GRANT  
Ref:L. No.: 311/PCB/24-25

**At: BARADIPALLI, PO: BUGUDA, PIN: 761143**

**E-Mail : [pcb29ea@rediffmail.com](mailto:pcb29ea@rediffmail.com)**

**DEPARTMENT OF BOTANY PEOPLE'S COLLEGE BUGUDA**  
**+3 SCIENCE EQUIPMENTS**

1.	smart T.V. Sumsung model LED smart-VADO55DU8300ULXL or Eqv		Price
2.	Podium		
3.	Microscope		
4.	Digital Balance Electrical - 1gm to 5kg		
5.	Stop watch		
6.	Haemocytometer		
7.	Cork borer (Quality steel)		
8.	Beaker- 50ml, 100ml, 200ml, each- 05 scl		
9.	Measuring cylinder- 50ml to 200ml		
10.	Pipette 10ml-50ml		
11.	thermometer		
12.	Scalpel		
13.	Visual Spectrophotometer		
14.	Culture tubes - 10ml		
15.	Blotting papers (large size)		
16.	Measuring flask 100-ml		
17.	Induction heater		
18.	Water bath		
19.	Centrifuge		
20.	Mortal pestle		
21.	Burette - 50ml		
22.	Bod bottle/glass stoppered bottle - 125ml		
23.	Titration		
24.	Herbarium preparation machine		
25.	Stage microscope		
	Computer		
26.	pH meter		
27.	Stage micro meter		
28.	Analytical balance		
29.	Binocular microscope with oil immersion		
30.	Ganong's potometer		

31.	Farmer's potometer		
32.	T/A apparatus		
33.	Willmott's bubbler		
34.	Petridish		
35.	Watch glass 5-inch		
36.	Fine forcep		
37.	Empty slides		
38.	Cover slips		
39.	Glass funnel		
40.	Barometer		
41.	Autoclave		
42.	Soil Testing Kits		
43.	TLC with accessories		
44.	Culture Vessels		
45.	Seed Germinator		

## LIST OF REQUIREMENTS FOR ZOOLOGY DEPARTMENT

(Laboratory Development Grant – 2024)

### List of INSTRUMENTS:

1	Digital Incubator	Amesys India	01
2	Burette	Borosil	02
3	Weing Machine	D-Lab	01
4	Pipette Stand	D-Lab	01
5	Separating Funnel	Borosil	01
8	Heating Mantle	Cometech	01
9	Vortex	D-Lab	01
10	Spinner	Tarson	01
11	Dry Bath Incubator		01
13	Gel-Electrophoresis	GeNei	01
14	Centriguge (Micro)	D-Lab	02
15	Vortex	Spinex	01
17	Tissue Flotation Bath	Medimeas	01
19	Weight Balance	Wensar	01
20	Magnetic Stirrer		01
21	Autoclave	Amesys India	01
22	Double Distillation Unit	Glass Make	01
23	Microscope	Orbit	02
24	Refrigerator (Double Door)	Voltas	01
25	Laminar Air Flow	Amesys India	01
26	Pipette Stand	D-Lab	04
27	Pipette (0.1-2.5ul)	Dragon	02
28	Pipette (1-10ul)	Thermo	01
29	Pipette (2-20ul)	Dragon	03
30	Pipette (05-50ul)	D-Lab	02
31	Pipette (20-200ul)	D-Lab	02
32	PCR		01
33	Haemocytometer		02
34	Haemoglobin meter		02
35	UV Spectrophotometer	Systronics	02
36	Colorimeter		01

38	Desktop (13 <sup>th</sup> grn)	Dell/Acer	01
39	Bunsen Burner		02
40	Burette Stand		02
41	Mortar & Pestel		02
42	Table Top Centrifuge		01
43	Magnetic stirrer with hot plate with digital speed indicator i	Rem	01
44	Blender		01
45	Automatic Shaker		01
46	Hot Air Oven		01
47	Water Bath with shaker		01
48	Fermenter (capacity 3L)		01
49	Spatula ( stainless steel) microspatula,spoon type		02

*Photocopy of the equipments and Specification must be supplied with the Quotation.*

### **Requirements of Chemicals:**

<b>Sl No.</b>	<b>Name of the Chemicals</b>		
1	Sodium Acetate		
2	PCI		
3	Isopropanol		
4	RNase A		
5	NaoH		
6	50x TAE		
7	Bromphenol Blue		
8	Green Dye		
9	Glycerol		
10	DNA Samples	Sigma Chemicals	
11	RNA Samples	Sigma Chemicals	
12	Aluminium foil	1 bondle	
13	Tris base	Calbiochem	
14	Proteinase K		
15	Phenol		
16	Chloroform		
17	Ethanol		
18	Sodium dodecylsulfate (SDS)		
19	EDTA		
20	Tryptone		
21	Yeast Extract		

22	NaCl		
23	TE Buffer		
24	Lysis buffer		
25	Agarose gel		
26	Orcinol reagent		
27	Feric Chloride		
28	HCL		
29	RNA	Sigma Chemicals	
30	Pure Diphenylamine		
31	Glacial Acetic Acid		
32	Conc. Sulphuric acid		
34	parafilm		
35	Phosphate buffer		
36	Magnesium Sulphate		
37	Calcium chloride		
38	Ferric Chloride		
39	Standard potassium dichromate		
40	Sulphuric acid reagent		
41	Ferroun Indicator solution		
42	Standard ferrous ammonium sulphate titrant (FAS)		
43	Sodium perchlorate		
44	Isoamyl alcohol		
45	Ethyl alcohol		
46	Saline citrate		
47	Ribonuclease		
48	Sodium acetate		
49	Ninhydrin Reagent		
50	Copper Sulphate Solution		
51	Crystal Violet		
52	Grams iodine		
53	Safrainin		
54	Methylene blue		
55	Manganous Sulphate reagent		
56	Alkaline iodine Solution		
57	Sulphuric acid (Conc)		
58	Sodium Thiosulphate		
59	Starch Indicator		
60	Phenolphthalein indicator		
61	Sodium Carbonate		

## **Requirements of Glass Wares:**

<b>Sl. No</b>	<b>Name of the Glass Ware</b>	<b>Volume</b>	<b>Qty.</b>
1	Glass Stopped Bottle	300ml.	6
2	Beaker	50ml.	6
3	Beaker	100ml.	6
4	Beaker	200ml.	6
5	Dropping Bottle	100ml	24
6	Volumetric Flask	100ml.	4
7	Brown Bottle	500ml	6
8	White Bottle	500ml	6
9	Reagent Bottle	100ml	24
10	Petri Disc		12
11	Cavity Block		12
12	BOD bottles	300ml	06
13	Centrifuge Tube (Polypropylene)		01 Poc
14	Sterile Plastic Petri Dishes with Lid		12
15	Watch glass		12
16	Specimen Jar with Lid	Round	12
17	Specimen Jar With Lid	Rectangular	12
18	CONICAL FLASK	100ml & 200ml	06 each
19	DROPPER		06
20	FUNNEL		06
21	MEASURING FLASK	100ml	8
22	STAINING FLASK		12
23	TEST TUBE		100
24	Burette		6

*All Glassware must be Borosil/ Borosilicate company*

**DEPARTMENT OF CHEMISTRY  
PEOPLE'S COLLEGE, BUGUDA**

List of instruments & other accessories for Chemistry Laboratories

Sr.No.	Name of instrument	Specifications	Quantity
1	Calorimeter with Accessories		
2	Chromatography Column		
3	Colorimeter with Accessories		
4	Conductometer with Accessories		
5	Cooling water bath		
6	Electric Bunsen Burner		
7	Flame Photometer with Accessories		
8	Heating Mantle & Spares		
9	Kipp's apparatus-Whole Glass		
10	laboratory Freezer with Accessories		
11	Laboratory jack		
12	laminar airflow for Chemistry Lab		
13	Magnetic stirrer with Accessories		
14	Melting Point Apparatus-Digital		
15	Melting Point Apparatus-Manual		
16	Microwave oven with Accessories		
17	Motorless magnetic stirrer		
18	Muffle Furnace		
19	Nephelometer with Accessories		
20	pH meter with Accessories		
21	pH meter with inbuilt Magnetic stirrer		
22	Potentiometer-Digital with Accessories		
23	Pyknometer		
24	Safety Shower with Eye wash		
25	Safety storage cabinet		
26	Sodium vapour lamp for Polarimeter		
27	Spot extractor		
28	Teclu Burner		
29	Tensiometer		
30	TLC Instrumental		
31	TLC plates		
32	TLC with Software		
33	Ultrasonic cleaner		
34	UV light Hand held for Chromatography		
35	Vaccum pump with Accessories		
36	VDRL Shaker		
37	Viscometer/Rheometer-ubbelohde		
38	Visible spectrophotometer with Accessories		
39	Vortex Shaker		
40	Water analyser		
41	Water tap 3 way-Premier polymer or eq		
42	Backman thermometer		



## RATE CONTRACT

Detail percentage of discounts on the catalogue MRP considering free delivery to the College you dealt with

#	Brand	% Discount on catalogue price	Tax	Conditions
1	A S Scientific			
2	Abdos			
3	Avantor			
4	Borosil			
5	Buchi			
6	CDH			
7	EI			
8	Elico			
9	Equiptronics			
10	Himedia			
11	JSGW			
12	Labman			
13	Loba Chemie			
14	Merck lifescience			
15	Merck-Millipore Merck			
16	Modern			
17	Moxcare			
18	Nice Chemicals			
19	NICE Glassware			
20	Omsons			
21	Optics Technology			
22	Perfit			
23	Polylab			
24	Qualigen			
25	Remi			
26	Rescholar			
27	Riviera			
28	Rocker			
29	SD Fine Chemicals			
30	Systronics			
31	Tempo			
32	Thermo Fisher			
33	Unicon			
34	Unilab			
35	Wensar			
36	Weswox			

DEPARTMENT OF PHYSICS  
PEOPLE'S COLLEGE, BUGUDA, GANJAM

LIST OF INSTRUMENTS

SL NO	ITEM SPECIFICATION	QTY.
1 ( 1 )	Determination of Mechanical Equivalent of Heat by cancelled Barner's method. Determination of "J" (Mechanical Equivalent of Heat) By callendar and Barner's Method from OMEGA types ES-227 Other apparatus required Digital stop clock OMEGA Type DSC-602 Thrermoneters 100° C X 1 / 10 Div	1 No.  1. No. 2. Nos.
4 ( 5 )	Determination of thermal conductivity be LEE's method To determine the Thermal conductivity of a Non Metallic Solid (Bad Conductor ) by Lee's Disc method OMEGA Type ES-400	1 No.
4 ( 6 )	Determination of K of Copper by Searle's Apparatus VASHISHAT	1 No.
6 ( 8 )	To Study the function of AND, NOT and NAND gates. Digital IC Trainer OMEGA Type LTB- 817	1 No.
8 ( 10 )	To study the function of X - OR, AND, NAND gates (using NAND gates to make OR, NOR, NOT, AND & EX_OR Gates) OMEGA Type LTB - 819	1 No.
10 ( 12 )	To study half and full added circuit with verification of truth table to study half adder & subtractor and full adder & subtractor OMEGA type LTB - 894	1 No.
11 ( 13 )	To determine e/m by bar magnet method (Braun's tube) e/m Apparatus Bar Magnet Method (Thomson Method) Omega type EM- 30	
16 ( 18 )	To draw the frequency response curve for a single stage RC coupled amplifier single & Two stage R.C coupled Transistor Amplifier OMEGA type ETB - 268  Other Apparatus required Decade audio Frequency Generator OMEGA TYPE AO-303 A.C Millivoltmeeter OMEGA Type ACV - 25 Decade Resistance Box OMEGA Type DRBC- 115L	1. No.  1. No. 1. No. 1. No.
18 ( 20 )	Susceptibility of Paramagnetic solution by Quincke's Tube Susceptibility of Paramagnetic solution by quincke's method OMEGA Type ES- 247	1 No.
19 ( 21 )	To measure the energy gap and resistivity by four probe method Measurement of Resistivity of Semiconductor by four probe method at different temperatures and determination of the band gap OMEGA type ES- 246	1 No.
25 ( 28 )	To calculate the refractive index of a liquid by using travelling microscope. Travelling Microscope XY Motion from VASHISHAT Lycopodium Powder 250 gm. Magnifying Glass 75 mm	1 No.  1. No. 1. No.

26 ( 29 )	To determine Searle's method to determine the value of Young's Modulus, Modules of Rigidity and poisson's Ratio by Searle's Apparatus OMEGA type ES- 244 Other Appartus require.Physical balance with weight box.Retort StandMeter Scale	1. No.1. No.1. No.1. No.
27 ( 30 )	To determine the movement of inertia of flywheel Moment of Ineria of a fly wheel OMEGA type ES-323	1 No.
28 ( 31 )	Determination of CO-efficient of viscosity of water by capillary flow method VASHISHAT	1 No.
31 ( 34 )	Statics method To determine the Modulus of Rigidity for a Meterial of a given Rod by static method using vertical pattern of Barton's Apparatus OMEGA Type ES- 394	1 No.
32 ( 35 )	Rigidit odulus of a wire by Dynamic method VASHISHAT	1 No.
34 ( 37 )	Determine "g" by Bar pendulum Determination of the value of "g" with the help of a compound pendulum OMEGA type ES- 294	1 No.
35 ( 38 )	Determine 'g' by Kater's pendulum kater's Reversible pendulum (determination of value of Acceleration due to Gravity at a place) OMEGA type ES-330	1 No.
37 ( 40 )	De- Sauty's Method De-Sauty Bridge ( To Calculate the Value of unknown capacitor ( 0.047 $\mu$ 1 F) in terms of Capacitance, Inbulilt Fixed DC regulated power supply, ine wave Oscillator, frequency 1 khz, amplitude 0-15 Vpp Vashishat.	1 No.
38 ( 41 )	Estimate the quality factor Q of a series resonant circuit. Series and parallel Resonance (With Oscillator and A F Millivoltmeter and A.C Millivoltmeter) OMEGA Type ETB-30	1 No.
40 ( 43 )	Carey- Foster's Bridge, Determination of specific Resistance of a Material and difference Between Two small Resistances using carrey foster's bridge OMEGA type ES-225	1 No.
43 ( 46 )	Anderson's brodge Anderson bridge OMEGA Type ETB-31	1 No.
44 ( 47 )	Meled's apparatus Melde's Experiments by using Electrically Maintained Tuning Fork OMEGA Type ES-276	1 No.
45 ( 48 )	Angle of Prism by Spectrometer Hartmann's Formula using a prism & Spectrometer OMEGA Type ES-271	1 No.
46 ( 49 )	I-D Curve using Spectrometer. refractive Indexof Prism using (i-d) curve OMEGA type ES- 255	1 No.
49 (52)	Newton's Rings Newton's Ring Experimental set-up OMEGA type ES-249	1 No.

## GENERAL INFORMATION and CONDITIONS

1. This standard form (QP) is to be used for procurement of Lab. Items of Dept. of Botany, Chemistry, Physics & Zoology.
2. The total cost of procurement is about 10 Lakhs (Appx. 2.5 lakhs for each Dept.)
3. The Bidders should send one sealed Quotation pack containing 4 packs(**Departmentwise**)by **Registered/Speed post/ Courier** addressed to the principal or drop the sealed QP in a box located at the Principal's Chamber (Room No.-04) with a non-refundable crossed Bank Draft of Rs. 500/- drawn in favor of the Principal, People's College, Buguda and payable at the SBI, Buguda, Branch.
4. The sealed envelopes may superscribe as "QUOTATION FOR DEPT OF .....
5. The Quotation papers shall be opened on the day of closing of Quotation paper submission at 4 P.M. in Room No. 04. In presence of the supplier or their authorized representative.
6. The Bidders must submit all required important documents to enter into the bidding process.
7. For any Technical Quarry the supplier can contact to the Concerned Heads of the Depts.

Principal-9937590525, Accounts Bursar-9853415860,

HoD,Botany-7008443013, HoD, Chemistry-9853415860, HoD, Physics-9937189514, HoD, Zoology-8658014010

8. **Selection** - Selection shall be done as per purchase rules.
9. **Prices**-The prices quoted shall include all costs applicable, such as transportation to the location for delivery as stated in the QP, insurance, packing, labeling, applicable Tax or any other costs.
10. The no. of valid Quotations should be at least three for a particular item for comparison. The mentioned brand or their **equivalent brands** may be quoted.
11. Preference will be given to products as per purchase rules.
12. Tender forms with overwriting or erased or illegible specifications and rates shall be rejected.
13. The material would be delivered to the College site, Baradipalli, 761143.
14. Detailed technical manuals, handbooks, drawings, Warranty card and Factory Quality Assurance checklist, test results and any other certifications mentioned shall be supplied along with the consignment. Supplied manuals/handbooks must cover detailed technical specifications and installation, operation, maintenance and System Safety procedures etc.
15. The rate of discount or any other Institutional benefit arising out of Govt. Policy etc., on each item may also be indicated in the bid specifically.
16. Submission of more than one bid by a particular tenderer under different names is strictly prohibited. In case it is discovered later on that, this condition is violated, all the tenders submitted by such tenderer would be rejected or contract cancelled.
17. **Warranty**-The Supplier warrants that the goods shall conform to the standards, specifications and related services as defined by the Purchaser in its QP. The Supplier warrants that the goods items to be supplied are new and unused and that it shall attend promptly to any defect in the good items as per the warranty conditions mentioned in its offer.
18. The supplier should clearly mention his/her terms and conditions like delivery time etc.
19. **Payment**-The Purchaser undertakes to effect payment within 15 days after supply of the goods to the satisfaction of the Purchaser or the user and subject to the submission of all required documents and final installation/ training and proper working of the equipment(s). Final payment shall be adjusted to reflect any non-compliance in the execution of the contract.
20. **Service**-The Equipment Manufacturing Company must have service Centre in & around Odisha. The bidder should mention the location of its service Centre nearest to Bhubaneswar, Odisha.
21. The Bidders must submit the Soft Copy of the Quoted Tender paper in .doc/word format if the purchaser wants.
22. **Rights of The Purchaser** -The Purchaser shall have the rights to (a) ask for clarifications at the time of evaluating quotations, (b) split the contract on an item basis or (c) reject all quotations without assigning any reason there to.

.Sd/-  
Principal  
(Sri Harikrishna Nayak)