

OFFICE OF THE PRINCIPAL, BHIMA BHOI COLLEGE, RAIRAKHOL

DIST: SAMBALPUR

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No.559/ Date.24.07.2023

Quotation Call Notice

Sealed quotations are invited from different reputed firms/ Suppliers having valid license DGS & D (GeM)rate contract, GST Registration TIN/ & PAN for supply of Laboratory equipment (Physics, Chemistry , Botany, Zoology), Computer with Accessories, Interactive Display etc. on or before Date.10.08.2023 by 4.30 PM through speed post / Regd.. Post / in person only Quotation must be attached with Copy of GST / DGS & D Rate certificate (GeM)/ PAN/TAN/TIN . .

The authority reserves the right either to reject or accept the quotation without assigning any reason thereof. For details please visit <http://bhimabhoicollege.org> .

DEPARTMENT OF CHEMISTRY					
SI No	Item Name	Quantity	Specification/Model	Makes	Remarks
1	Beaker-100 ml	20	Borosil		
2	Beaker-1L	5	Borosil		
3	Beaker-50 ml	20	Borosil		
4	Burette Stand(Plastic)	15	Borosil		
5	Burette	50	Borosil		
6	Buchner's Funnel	10	Borosil		
7	Blow Pipe(Adjustable)	05			
8	BOD Bottle	10	Borosil		
9	Conical Flask-100ml	10	Borosil		
10	Calorimeter	10			
11	Descicator-(Big Size)	2	Borosil		
12	Double Blue Glass	10 pair			
13	Cork half inch (Rubber)	20			
14	Cork Large (Rubber)	20			
15	Cork Medium (Rubber)	20			
16	G-3 Crucible-15ml	5			
17	G-3 Crucible-30ml	5			
18	G-4 Crucible-15ml	5			
19	whatmann paper	2 pkt			
20	G-4 Crucible-30ml	5			
21	Gravimetric Bottle with glass stopper-20ml	15	Borosil		
22	Litmus Paper Blue	2 pkt			
23	Litmus Paper Red	2 pkt			
24	Measuring Cylinder-1lt	2	Borosil	Class – B	
25	Measuring Cylinder-500ml	5	Borosil	Class – B	
26	Measuring Cylinder-25ml	5	Borosil	Class – B	
27	Measuring Cylinder-10ml	5	Borosil	Class – B	
28	Measuring Flask-100ml	10	Borosil	Class – B	
29	Measuring Flask-250ml	10	Borosil	Class – B	
30	Measuring Flask-500ml	10	Borosil	Class – B	

31	Measuring Flask-1Lt	5	Borosil	Class – B	
32	Nichrome Wire	50			
33	Nitrile Gloves	5 Pair			
34	Pipette-5ml	10	Borosil		
35	Pipette-10ml	20	Borosil		
37	Pipette-25ml	20	Borosil		
38	Porcelain Basin-10 inch	5			
39	Porcelain Basin-6 inch	30			
40	Safty eye wear for Lab	5 Pair			
41	Separating Funnel	10	Borosil		
42	Spatulla-10inch(Horn)	20			
43	Spatulla-10inch(Steel)	30			
44	Test tube(Gross)	8 Gross			
45	Test tube Holder	30			
46	WeiHING Bottle-10gm	10			
47	Wire guaze with asbestos pad	100			
48	Pneumatic Trough-Small Size	2			
49	Pneumatic Trough-Big Size	2			
50	Wash Bottle (Plastic)	10			
51	Scientific Calculator	1		Casio	
52	Funnel-3 inch	10	Borosil		
53	Funnel-4 inch	10	Borosil		
54	Mortar and pestle-Small size	20			
55	Mortar and pestle-Big size	20			
56	Reagent Bottle Coloured-250ml	5			
57	COD reflux unit consisting of flat bottom flask with mouth 250ml and ceibig condenser (straight tube, single surface) condenser 30cm	2			

LABORATORY EQUIPMENTS

Sl. no	Item name	Quantity	Specification/ Model	Make	Remarks
1	DESKTOP	1	12th Generation Intel® Core™ i7 processor 512 GB Intel® PCIe® NVMe™ SSD Windows 11 Home Single Language in S mode 60.5 cm (23.8) diagonal FHD display 16 GB DDR4-3200 MHz RAM Intel UHD graphics	HP	
2	PRINTER	1	ANY HP PRINTER WITH BOTH SIDE PRINT		
3	UPS	1	1.5 KV	APC	
4	DISTILLATION UNIT	1	20 Lit capacity	Borosil	

5	REFRIGARATOR	1	280 LITRE ABOVE	VOLTAS	
6	WEIGHING MACHINE	1	DIGITAL up to 4 digit	Sartorius	
7	DIGITAL THERMOMETER	5	Temp Range -50° to +300°C	HTC	
	DIGITAL COLORIMETER	1	ANY		
8	MAGNETIC STIRRER WITH PLATE	1	ANY		
9	BOD INCUBATOR	1	5 to 60 degree	REMI	
10	BOILING & METILNG POINT APPARATUS	1	ANY		
11	THERMOSTAT	1	ANY		
12	WOODEN RACK	2	6* 10 FEET		

Department of Physics

	<u>Quantity</u>
1. To verify the Thevenin and Norton Theorems.	01
2. To determine self inductance of a coil by Andersons bridge.	01
1. To determine the specific heat of liquid by the method of cooling.	01
2. To determine the specific heat of solid by applying radiation correction.	01
3. Digital weighing Balance	01
1. To design and study OP Amp-IC (741/351) as inverting and non inverting amplifier.	01
2. To design and study OP Amp-IC (741/351) as integrator and differentiation and study frequency response.	01no.
3. To design and study OP Amp-IC (741/351) as adder and subtractor.	01no.
1. To determine the wavelength of laser source using diffraction of single slit.	01no.
2. To determine (1) wavelength and (2) angular spread of He-Ne laser using plane diffraction grating.	01no.
1. Half Subtractor ,Full Subtractor, Adder-Subtractor using Full Adder IC.	02no.
1. To measure the Magnetic susceptibility of Solids.	01no.
2. To measure the Dielectric Constant of a dielectric Materials and variation with frequency.	01no.
3. Cathod Ray Oscilloscope (CRO)	01no.
4. Apparatus for Hall Co-efficient of semiconductor sample	01no.
5. e/m Apparatus by Bar magnet	01no.

1. To verify the Stefan's law of radiation and to determine Stefan's constant. 01no.
2. To determine the Boltzmann constant using V-I characteristics of P-N junction diode. 01no.

List of Equipments
Department of Zoology

1. Installation of Interactive Display in Laboratory (**Benchmark / Benq**) **IR Touch Feature, in built OS Android 11 , Quad core Processor, 4GB RAM, 32 Governing Body storage Unit .**
2. Dissolve Oxygen Meter (Quantity -02)
3. Digital pH Meter (Quantity -02)
4. Ultra Centrifuge Machine(Quantity -01)
5. Specimen Stand
6. Chart Stand
7. Slid Cabinet
8. Water purifier (RO+UV+UF+Test Adjuster + e-boiling)
9. Combined Students' Chair

List of Equipments
Department of Botany

1. Swift microscope (1.2) with Wi-Fi Connectivity)
2. Trinocular Microscope with all attachments (Olympus / Craft)
3. A3 Laser Printer (HP/ EPSON/CANNON)
4. Temperature Controlling Unit (AC) LG/Carrier (1 Ton , dual Inverter Rated 5 Star)
5. Ganong's Respiroscope (Borosil/ Craft)
6. Student Integrated writing table and Chair
7. Inverter with Battery & Stand (Luminous-Make) Model - Combo Zelio 1100 WITH ILTT 26060)
8. Solar Inverter (2KW) With solar panel (Luminous / V-Guard/ Microtech
9. Hill's Apparatus (Borosil/ Craft/ Bio Tech)


Principal 24/7/23
Bhima Bhoi College, Rairakhol

