

R E Society's
R P Gogate College of Arts & Science
And
R V Jogalekar College of Commerce, Ratnagiri

Date: April 23, 2022

Quotations are invited from scientific equipment vendors for purchase of following equipment under DBT's STAR College scheme.

Terms and Conditions:

- The sealed **department wise single quotation** for all available equipment should reach the college office within 15 days of the publication of this notice.
- Quotation should include nature of the service support after purchase.
- Quotation should include warranty/ guaranty clearly.
- The prices should be quoted for supply and delivery to R P Gogate College of Arts & Science And R V Jogalekar College of Commerce, Ratnagiri, Maharashtra.
- Prices quoted shall be quoted in the Indian National Rupees.
- Rights are reserved with Principal, R P Gogate College of Arts & Science And R V Jogalekar College of Commerce, Ratnagiri, Maharashtra to accept or reject complete or partial part of the quotation.

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
Department of Zoology				
1	Haemocytometer and (Neubauers chamber)	Grid size- 3X3Mm, 400 squares	AQRA	20 No.
2	WBC and RBC pipette	Glass tubes, dimension- 4cm, size- 4 X 2 X 2	AQRA	40 sets
3	Compound Microscope.	Mechanical stage and eye piece 10X, and objectives 10X, 45X and 100X(oil immersion)	QUOSMO	12 No.
4	Turbidity meter- (Nephelometer)	4 digit LED display, Range- 200/2000 NTU	Equiptronics	2 No.
5	Microcentrifuge machine	With microprocessor (2000-6000 variable RPM 8 X 1.5/2 ml)	Remi	5 No.
6	Digital balance	Capacity- 0.001 GM to 220gm	Contech	2 No.

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
7	Vertical Electrophoresis Apparatus 4X8.5 cm, - 4 well	Ready to use, of gel size 4 (w) x 8.5 (l) cm, two 1.5 mm spacers, 4 well PMMA comb 1.5 mm thick, male connectors, electrodes, in-built gel casting, single directional migration(1D).	Technocraft	3 No.
8	Vertical Electrophoresis Apparatus 7 X 12.5 cm, 8-9 well	Ready to use, of gel size 7 (w) x 12.5 (l) cm, two 1.5 mm spacers, 8/9 well PMMA comb 1.5 mm thick, male connectors, electrodes, in-built gel casting, single directional migration(1D)	Technocraft	1 No.
9	Horizontal gel electrophoresis apparatus gel size 3X10 cm 4 wells	Ready-to-use system with UV- transparent tray, apparatus with male connectors, single directional migration (1D). Gel size 3 (w) x 10 (l) cm, two 4 wells PMMA combs 1.5 mm thick.	Technocraft	4 No.
10	Horizontal electrophoresis gel apparatus 13 wells –	Ready-to-use system with UV- transparent tray, apparatus with male connectors, single directional migration (1D). Gel size 9 (w) x 10 (l) cm, 13 wells PMMA combs 1.5 mm thick.		1 No.
11	Power supply pack	Range 80 V, 110 V, 140 V, 200 V, single output,		2 No.
12	Uv-transilluminator	With diffusing UV – transparent window (10 x 10 cm), two UV tubes, intensity control and Viewing hood fitted with filter.		1 No.
13	BOD incubator	Temp. range 5 ^o C to 60 ^o C Microprocessor based Auto tune PID digital temperature controller size 18”X18”X18”	Labline	1 No.

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
14	pH meter	Compact size, light weight, high accuracy and quick response, potentiometric titration and redox measurement facility	TOSHNVIN	3 No.
15	Colorimeter	Digital photo colorimeter, wavelength range 400-700nm	Equiptronics	6 No.
16	TLC plates	25 aluminium sheets (20X20 cm)	MERCK	5 No
17	Digital water bath	20 liters, unstirred water bath, Digital display, PID temperature controller, Temp. range:- Ambient +50 C to 99.9 0 C, gabled lid, Dry run safety alarm, racks for test tube, concentric rings lid with 12 holes, Plastic-coated lead rings to weigh down conical flasks Inner Size: 16"X12"X6		2 No.
18	Visible Spectrophotometer	(340nm-990nm) with digital wavelength display and 2 position sample holder	Systronics	1 No.
19	Hot air oven	Temp range 50 ⁰ C to 250 ⁰ C Temp. Accuracy \pm 2 ⁰ C size 18"X18"X18"	Labline	1 No.
20	Mini cell homogenizer	Automatic, single phase, 3X2 ml homogenizing tubes sizing capacity, digital disply	Neuation	1 No.
21	Cooling heating incubator	Temperature range adjustable from 5 to 60 °C, 6000L, 4000W power		1 No.
22	Refractometer	With dual scale 0-100 PPT of salinity and 1.000 to 1.070 specific gravity (0-10%) with ATC	LABART	6 No.
23	Portable Dissolved oxygen meter	Range 0 to 20mg/L Accuracy \pm 0.4 ml/L resolution – 0.1 mg/L	Lutron	2 No
24	Binocular 10X42	10x magnification, field of view- 1000M-110m, apparent field of view- 60 ⁰	Nikon	2 No.

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
25	Binocular 8X42	8x magnification, field of view- 1000M-110m, apparent field of view- 60 ⁰	Nikon	2 No.
26	Mosquito rearing cages	Plastic, collapsible design, cloth size- 40x30x40cm, small hole size approx 12x37cm	Trasfit	3 No.
Department of Chemistry				
27	Photoelectric colorimeter	--	Equiptronics EQ 652	6
28	Polarimeter 220 Mm With Sodium Lamp Assembly And Choke	RSP-1	--	3
29	Single pan Digital Balance	CONT. CAH 223	--	6
30	Digital thermostatic water bath	--	labline	2
31	Vacuum pump	--	SUPERVAC	2
32	Conductometer	--	Equiptronics EQ660 B	3
33	pH meters	--	TOSCHCON	3
34	Ice flex machine	--	LABMAN LMIF 30	1
35	Photocatalytic reaction Assembly	--	--	1
36	Magnetic Hot plate stirrer	1 MLH	--	2
Department of Botany				
37	Hand refractometer	LABART Aluminum 0-32 Brix	LABART	6
38	Digital scale weighing balance	Item Weight-400 grams Material-Plastic Part Number- TS200_5{For Domestic & research purpose} battery powered 6 months carry in warranty against manufacturing defect.	Baijnath Premnath	10

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
39	Water bath	15 liters, Rectangular,Stainless Steel, LABGO288	LABGO	4
40	Pocket pH meter	4-in-1 Hydroponic Soil Ph Tester Moisture Meter Ph Gardening Water Soil testing Machine with Sensor Prob and Clear Digital LCD Display Set Home and Garden Plants (FDC-98)	FreshDcart	10
41	Table top induction	iBELL 10YO Induction Cooktop 2000Watt with Auto Shut Off and Overheat Protection	iBELL	6
42	Corking machine	Crown corking machine	Madaan International	1
43	Pulper, Juicer	Primus Plus Juicer 1.1L removable juice jug 1.detachable top cover 1 wide feeding tube 1 pusher 1 stainless steel mesh 1 pulp collector	Borosil	4

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
44	OTG Oven	<p>OTG Oven Toast Grill 25L with Opti Temp Technology - HD6975/00</p> <p>Dimensions of product (LxWxH):</p> <p>465 x 370 x 300 mm</p> <p>Stand-by power consumption:</p> <p>0.5 W</p> <p>Cord length</p> <p>1 m</p> <p>Frequency</p> <p>50-60 Hz</p> <p>Voltage</p> <p>220 - 240 V</p> <p>Power</p> <p>1500 W</p>	Philips	2
45	Garden implements set	Premium Garden Tool 10 Pcs Set	Falcon	10
46	GPS unit	<p>eTrex 32x</p> <p>PHYSICAL DIMENSIONS 2.1" x 4.0" x 1.3" (5.4 x 10.3 x 3.3 cm)</p> <p>DISPLAY SIZE 1.4" x 1.7" (3.5 x 4.4 cm); 2.2" diag (5.6 cm)</p> <p>DISPLAY RESOLUTION 240 x 320 pixels</p> <p>DISPLAY TYPE 2.2" transfective, 65K color TFT</p> <p>WEIGHT 5 oz (141.7 g) with batteries</p>	Garmin	4

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
47	Rotary evaporator	Temperature Range -40 to +20 Degree C Automation Type Semi-Automatic Country of Origin Made in India Voltage 220 - 240 V Rotation 4-200 rpm Motor Power 25 W Item code74412455	Singhla Scientific Industries, Ambala	1
48	Student's microscope	VN7 Objectives: 10x, 45x and 100x (Oil Immersion)	COSLAB	20
49	Binocular microscope	HL12ECO Specification of COSLAB Model: HL-12 LED (ECO) Viewing Head : Binocular Head 45° inclined and 360° Rotatable Eyepiece : Wide Field 10x/18mm Objectives : Antifungal Achromatic 4X, 10X, 40X & 100X (Oil, SL) Nosepiece : Quadruple Nosepiece Condenser : Abbe type N.A.1.25 with IRIS Diaphragm & filter Stage : Double Layer Mechanical Stage 142mm x 132mm with double slide holder. Focusing Range : Coaxial Coarse and Fine adjustment fine division 0.002mm with tension control Illumination : 6V 20W Halogen Lamp or LED, Brightness Adjustable	COSLAB	4
50	Handycam	26.8mm wide angle lens with 30X Optical Zoom 32 GB Internal Memory	Sony HDR- CX470	1

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
51	DSLR camera	With D-Zoom Kit AF-P 18-55mm VR Kit lens with Digitek Tripod stand	Nikon D-3500	1
52	Column for chromatography	ABG BOROSILICATE WHITE TRANSPARENT GLASS CHROMATOGRAPHY COLUMN PLAIN WITH STOPCOCK & JOINT (B-24) ALONGWITH GLASS STOPPER. BORE(30MM) LENGTH(250MM) Part Numbe-ABG1605 Size-BORE (30MM). LENGTH (250MM.).	ABGIL	10
53	Micro pipettes and tips	IS IndoSurgicals Micropipette Variable Volume (5-50 µl) Part Number-80300PIP	IS IndoSurgicals	
54	Herbarium Field Press	12"X18"	Adarsh International, Ambala Cant.	2000
55	Vasculum	60 cm x 20 cm x 30 cm. Made of stainless steel	Ajanta Export Industries	15000
56	Herbarium Lab Press	45x30 cm Rectangular Made of teakwood	Micro Technologies	800
Department of Physics				
57	Millikan's oil drop experiment complete setup	Laboratory setup	--	1
58	Thomson's Tube apparatus with HT power supply	Laboratory setup	--	1
59	Experimental setup for dielectric constant measurement	Laboratory setup	--	1

Sr. No.	Name of the Instrument	Specifications	Make/Model	Quantity required
60	Constant deviation spectrometer and Na source with power supply.	Laboratory	--	1
61	Cathode Ray Oscilloscope (CRO)	--	APLAB 3305 / APLAB 3305S	6
62	Function Generator	1 MHz	APLAB MSG 1M	7
63	Microprocessor 8085 kit	Study Kit	ANSHUMAN	6
64	Microcontroller 8051/31 kit with basic accessories	Study Kit	ANSHUMAN	2
65	Spectrometer	7 inch	BESTO / HERINDERA / COSLAB	4
66	Travelling microscope	--	BESTO / COSLAB	3

Project coordinator

Account Officer

Principal