



Department of Biotechnology
The University of Burdwan
Golapbag, Burdwan-713104

TENDER NOTICE

Sealed quotations are hereby invited from reputed vendors for supplying the Equipments mentioned below. The price quoted must be including of all taxes. After proper repairing works, the vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-2018.

Sl. No.	Name of the Equipments	Specifications
1.	Water bath	Microprocessor control with timing function Digital display Audible and visual alarm for over temperature Capacity- 15 lts
2.	Magnetic stirrer with Hot plate	Stirring capacity- 1 Lts Digital Speed Indicator for displaying of stirring speed PMDC motor for higher torque even at low speeds Speed- 1200 rpm
3.	Table top microcentrifuge	Max RCF- 17,500 × g Max RPM- 13,500-14,500 Max capacity- 12 × 1.5/2.0 ml Rotors- 2 Acceleration time-13s Deceleration time- 12s Timer- 15 s to 99 min, with continuous run function Power supply- 230 V, 50 – 60 Hz Cooling- Non refrigerated/ Refrigerated
4.	Double distillation system (Make: Borosil)	Mono quartz distillation unit Panel mounted with quartz boiler Borosilicate condenser Vertical Capacity- 2.5 L/h & 5.0 L/h
5.	C-18 Column for HPLC	YMC Triart C18 ExRS
6.	Gel documentation system	Universal hood White light Conversion screen CCD resolution- 1360 × 1040 pixels Pixel density- 4096 grey levels Resolution- 1.5 megapixel Illumination mode- Trans-UV, trans- white, and white light Excitation source- 254, 302, 365 and white light Filter position: Fluorescence

		Accessories: Quantity determination software Automatic lane and band detection Molecular weight 3-D viewer for critical analysis of closely bands Compatible PC- HP/Dell RAM- 4GB HDD- 1 TB Processor intel i3 6 th Generation In built DVD writer Monitor- 20 inch
7.	Oil free Vacuum pump for Eyela make Freeze drier ()	Any reputed company
8.	Laboratory Microwave Oven (LG/SAMSUNG/Whirlpool)	25L Capacity Convection: baking along with grilling, reheating, defrosting Control: Touch key pad (Membrane)
9.	Laboratory Induction Oven (Prestige/Havells)	Capacity: 1500 w

Dr. Indrani Chandra
 Teacher-In-Charge
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TENDER NOTICE

Sealed quotations are hereby invited from reputed vendors for supplying the following item: Refrigerator (C.E. 6. AC, Refrigerator) as per requirement mentioned below. The price quoted must be including of all taxes. The vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-2018.

Sl No.	Item	Specification
1.	Refrigerator (Haier/LG/Godrej)	Capacity: 170 litres
2.	Stabilizer (any reputed company)	1 kva

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TENDER NOTICE

Sealed quotations are hereby invited from reputed vendors for supplying the following Teaching Aids, Glasswares etc. (R.E. 11 A Technical Aids including Purchase of Technical Materials, Glasswares) mentioned below. The price quoted must be including of all taxes. The vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-2018.

Sl. No.	Item	Specification	Catalog No.	Manufacturer
1.	Conical Flask	100 ml	4980016	Borosil
		250 ml	4980021	
		500 ml	4980024	
		1000 ml	4980029	
2.	Measuring cylinder	100 ml	3022016	Borosil
		50 ml	3022012	
		10 ml	3022006	
		5 ml	3022005	
3.	Measuring cylinder	100 ml	343040	Tarsons
4.	Beaker	100 ml	1000D16	Borosil
		250 ml	1000D21	
		500 ml	1000D24	
		1000 ml	1000D29	
5.	Culture tube	25 × 150 mm	9800U07	Borosil
		15 × 150 mm	9800U05	
6.	Variable autoclavable micropipette	0.5-10 µl	RBO-10	Microlit
		10-100 µl	RBO-100	
		20-200 µl	RBO-1000	
		100-1000 µl	RBO-1000	
7.	Phyta jar	Vented Plant Tissue	PW1143-25No PW1303-10No	Himedia
8.	Stainless Steel Scalpel Holder No. 3		LA829-2No	Himedia
9.	Stainless Steel Scalpel Blade		LA769-1×100 No	Himedia
			LA770-1×100 No	
10.	S-line Petri dish	80 × 17 mm	3160072	Borosil
		100 × 17 mm	3160077	
11.	Centrifuge tube	15 ml	500031	Tarsons
		50 ml	500041	
		2ml	500014	
12.	PCR Tube	0.2 ml	510051	Tarsons
13.	Cotton	Absorbent		Local make

		Non absorbent		
14.	Gauze Than (Absorbent)	Per packet		Local make
15.	Plastic pot	Round	8 inch	Local make
		Round	12 inch	
		Round	20 inch	
16.				
17.	Desiccator	100 mm	3082041	Borosil
18.	Watch glass	100 mm	9986072	Borosil
19.	Reagent bottle	1000 ml	1501029	Borosil
		500 ml	1501024	
20.	Test tube holder			Local make
21.	Mini max thermometer (Mercury free)			Any reputed company
22.	Thermometer			Any reputed company
23.	Polypropylene Culture Tube rack	25 × 150 mm		Local make
24.	Round Bottle flask	500 ml	4380A24	Borosil
		250 ml	4380A29	
25.	Sidearm flask	250 ml		Borosilicate
		100 ml		
26.	Spatula		LASL8888075	Borosil
			LASP8888008	
27.	Rod for retort base, retort base, bossheads, retort ring		LARS8888500 LARB8888H06 LABH8888RBL LARR8888003	Borosil
28.	Gloves for cryopreserver			Any reputed company
29.	Solvent filtration device for HPLC with oil free vacuum pump	1 and 2 lit. capacity		Any reputed company
30.	GHP Syringe filter for both aqueous and organic solvent	Porosity: 0.2/0.22 micron, Dia: 25 mm		PALL Corporation
31.	GH Polypro (GHP) Membrane Disc Filters	Porosity: 0.2 micron Dia: 47 mm	60189	PALL Corporation
32.	Polypropylene Laboratory tray	Size- 20 inch		Local make
33.	Tissue Paper (Roll)			Local make

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TENDER NOTICE

Sealed quotations are hereby invited from reputed vendors for repairing of following instruments/change of parts (R.E. 2 Repair and Maintenance of Equipment) as per requirement mentioned below. The price quoted must be including all taxes. After proper repairing works, the vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-2018.

Sl. No.	Name of the instruments	Specification of repairing
1.	Lyophilizer (Make- Eyela)	Through servicing and repairing with replacement of necessary parts
2.	BOD Incubator (Spac n service make)	Servicing of shaker and temperature controller
3.	BOD Incubator (Spac n service make)	Change of digital temperature controller and servicing
4.	PH meter (Systronics)	Change of diode
5.	Digital Balance (Sartorius)	Servicing
6.	BOD incubator (microbiology lab)	Change of digital meter, servicing
7.	Plant growth chamber (Lab-X make)	Change of PID controller Suitable SS rod rack
8.	Gel documentation system (Lab India)	Servicing
9.	UV trans-illuminator (Vilber Lourmat)	servicing
10.	Bio-rad SDS page	Replacement of gel casting wings
11.	Water bath (Spac n service make)	Change of heating coil and servicing)

- Vendor (s) are requested to visit and verify specifications physically prior to submit the quotations within the date limit

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TENDER NOTICE

Sealed quotations are hereby invited from reputed vendors for upgrading of computers with change of parts (R.E. 4 A Repair and Maintenance of Computers and Peripherals) as per requirement mentioned below. The price quoted must be including all taxes. After proper repairing works, the vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-2018.

Sl. No.	No. of Computers/Peripherals	Specification of repairing
1.	Computer-1	Up gradation of computer with change of RAM- 4 GB, motherboard, Hard disc- 1 TB and processor- i3 6 th generation
2.	Computer-2	Up gradation of computer with change of RAM- 4 GB, motherboard, Hard disc- 1 TB and processor- i3 6 th generation
3.	Computer-3	Up gradation of computer with change of RAM- 4 GB, motherboard, Hard disc- 1 TB and processor- i3 6 th generation
4.	Computer-4	Up gradation of computer with change of RAM- 4 GB, motherboard, Hard disc- 1 TB and processor- i3 6 th generation

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TENDER NOTICE

Sealed quotations are hereby invited from reputed vendors for repairing and maintenance of AC., Refrigerator (R.E. 5A Repair and Maintenance of A.C., Refrigerator) as per requirement mentioned below. The price quoted must be including of all taxes. After proper repairing works, the vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-.2018.

Sl no.	Item	Specification of repairing
1.	Godrej Refrigerator, 300 lit. lying in the General Laboratory	Change of compressor, box cooling coil and gas charge
2.	Window AC of Plant Tissue culture Laboratory	Change of Compressor, gas charge, servicing
3.	AC of BOOST room (LG, Split)	Replacement of condenser with copper one and gas charge
4.	AC 2nos (class room)	Servicing with gas charge

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TENDER NOTICE

Sealed quotations are hereby invited from reputed vendors for repairing and maintenance of Seminar Library (R.E. 9B Repair, Maintenance and Modernization of Seminar Library) as per requirement mentioned below. The price quoted must be including of all taxes. After proper repairing works, the vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-2018

Sl. No.	Item	Specification of Work
1.	Stools for students (reading purpose)	Standard size, made up of hard plastic/plastic fibre
2.	Display Board	Replacement of existing display board for thesis and journal. Dimension: 4' x 4', ply, wood and glass made, three shelved.
3.	Bar code scanner for digitization of Seminar Library.	Any reputed company

- Vendor (s) are requested to visit and verify specifications physically prior to submit the quotations within the date limit.

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Sealed quotations are hereby invited from reputed vendors for Chemicals (R.E. 11 B Chemicals) as per requirement mentioned below. The price quoted must be including all taxes. After proper repairing works, the vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-2018.

Sl. No.	Item	Specification	Catalog no.	Manufacturer
1.	MS with Vitamin and sucrose without Calcium Chloride and agar	25 L	PT010-25L	Himedia
2.	Calcium chloride dehydrated	500 gm		MERCK
3.	MS medium with Vitamin, without Calcium chloride, agar, sucrose	5 L	PT018-5L	Himedia
4.	Agar agar	500 gm		Himedia
5.	Kinetin	1G	K0753-1G	Sigma Aldrich
6.	Charcoal activated			
7.	RNase solution	2 ml	DS0003-2ml	Himedia
8.	100 bp DNA ladder		MBT049-50LN	Himedia
9.	1Kb DNA ladder		MBT051-50LN	Himedia
10.	Eco RI	500 U	MBRE001-500U	Himedia
11.	Bam HI	500 U	MBRE002-500 U	Himedia
12.	Hind III	500 U	MBRE003-500 U	Himedia
13.	Prestained Protein Ladder	500 µL (10 KD-250 KDa)	MBT092-10LN	Himedia
14.	HPLC grade Carbinol	2.5 L		MERCK
15.	Diluent DNA solution	500 ml		Himedia
16.	Taq Polymerase	5 U/ml		Himedia
17.	DNTPs Mix	1ml		Himedia
18.	10 X PCR buffer with 15	4		Himedia/Sigma

	mM MgCl ₂			Aldrich
19.	BAP	1 G	B3408-1G	Sigma Aldrich
20.	IBA	1 G	I5386-1G	Sigma Aldrich
21.	NAA	25 G	N0640-25G	Sigma Aldrich
22.	Universal primer for plant DNA			Xcelris
23.	Coomassie Brilliant Blue R250	25 G		MERCK
24.	Yeast Extract	500 g		Himedia
25.	Glucose yeast peptone agar	500 G		Himedia
26.	Caesin enzymatic hydrolyzed	500 G		Himedia
27.	Mercuric Chloride	25 G		MERCK
28.	Ninhydrin	25 G		MERCK
29.	Dinitro salicylic acid	500 g		MERCK
30.	Magnesium turnings	500 G		MERCK
31.	Beef extract	500 G		Himedia
32.	Skimmed milk agar	500 G		Himedia
33.	Starch agar	500 G		Himedia
34.	Potato dextrose agar	500 G		Himedia
35.	Egg albumin	50 G		Himedia
36.	Ammonium peroxydisulfate	500 G		MERCK
37.	Lead (II) Nitrate	100 G		MERCK
38.	Peptone	500 G		Himedia
39.	Tryptone	500 G		Himedia
40.	Caesin acid hydrolysed	500 G		Himedia
41.	Tween-80	500 ml		MERCK
42.	Sodium nitrite	500 G		MERCK
43.	Sodium nitrate	500 G		MERCK
44.	Glutathione	100 G		Himedia
45.	Nitsch medium	1L	PT012-1 L	Himedia
46.	Pipirin HPLC grade	50 mg	75047	Sigma aldrich
47.	Pipiridin HPLC grade	10 mg		Sigma aldrich
48.	MS medium without sucrose	5 L		Himedia
49.	Lyophilized culture – Bacillus subtilis ATCC 19659	2 sticks	0604P	Himedia
50.	Lyophilized culture- Escherichia coli ATCC 11775	2 sticks	04065	Himedia
51.	Lyophilized Lactobacillus acidophiles ATCC 314	2 sticks	0885P	Himedia
52.	Lyophilized Staphylococcus aureus ATCC 1026	2 sticks	0179P	Himedia
52.	Lyophilized Agarobacterium			Reputed company

	rhizogenesis ATCC			
53.	Sandwich ELISA teaching kit		HT1014	Himedia
54.	Concentrate Sulphuric acid	2.5 L		MERCK
55.	Concentrate Nitric acid	2.5 L		MERCK
56.	Concentrate Hydrochloric acid	2.5 L		MERCK
57.	Phenol	2.5 L		MERCK
58.	Chloroform	2.5 L		MERCK
59.	Tris Base	500 G		Himedia
60.	Tris HCL	500 G		Himedia
61.	Formaldehyde	500 ml		MERCK
62.	Glacial acetic acid	2.5 L		Himedia
63.	EDTA	100 G		MERCK
64.	Potassium Iodide	100 G		MERCK
65.	Potassium dichromate	100 G		MERCK
66.	Potassium permanganet	500 G		MERCK
67.	Ammonium ferrous sulphate	500 G		MERCK
68.	HPLC grade Ethyl acetate	2.5 L		MERCK
69.	Xylene	2.5 L		MERCK
70.	Orcniol	25 G	447420-25G	Sigma aldrich
71.	Orcin	25 G		MERCK

72.	HPLC grade Benzene	2.5 L		MERCK
73.	HPLC grade water	1 L		MERCK
74.	Tannic acid	100 G	16201-100G	Sigma aldrich
75.	TLC paper			Himedia
76.	Tween 20	500 ml		MERCK
77.	GHP Syringe filter for both aqueous and organic solvent	Porosity: 0.2/0.22 micron, Dia: 25 mm		PALL Corporation
78.	GH Polypro (GHP) Membrane Disc Filters	Porosity: 0.2 micron Dia: 47 mm	60189	PALL Corporation
79.	Parafilm			Tarsons
80.	IBA	I5386-5G		Sigma aldrich

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Sealed quotations are hereby invited from reputed vendors for repairing of following instruments/change of parts (R.E. 5B Repair and Maintenance of Xerox machine/fax machine) as per requirement mentioned below. The price quoted must be including all taxes. After proper repairing works, the vendor (s) with GST Registration must have to submit GST bills. The last date of submission of quotations is 24-12-2018.

Sl no.	Item	Specification of repairing
1.	Xerox machine (Ricoh)	Through servicing of Xerox machine and change of cartridge

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