

**MIDNAPORE COLLEGE (AUTONOMOUS)**  
**MIDNAPORE**

**TENDER NOTICE**

Ref. No.- 919/MC/TENDER/22

DATE:- 20.10.2022

Rate quotations (including all taxes) in sealed envelope are invited from authorised Contractors/ Suppliers/Concerns/Agencies only who have Credential, Trade Licence, Pan Card & GST registration and requisite credentials **within 28.10.2022 at 2.00 pm** for following articles.

**Tender:-**

- 1) Rate quotation for departmental requisition Chemicals, Glass Goods, Specimen, Instruments & Miscellaneous item for the Dept of **Botany** (details will be available from the College website: [www.midnaporecollege.ac.in](http://www.midnaporecollege.ac.in)).

Quotation may be submitted within specified date and time positively on working days from 11.00 a.m. to 4.00 p.m. in the Office Chamber of the Principal. However, **quotations be submitted for each departments separately.**

**The date of opening of tenders 29.10.2022 at 11.30 AM.** Bidders may remain present during that period. The authority reserves the right to cancel the order / refuse the item / articles, in case any variation is found from the original terms and conditions.

Further details of items may be had from the Office of the Undersigned in all working days in working hours.

Sd/-  
Principal  
Midnapore College (Autonomous)  
Midnapore

# Dept. Of Botany

## Chemicals

Name of the chemical	Make	Quantity
yeast extract	HIMEDIA/SRL	500gm x1
Bacto-tryptone	HIMEDIA/SRL	500gm x1
NaCl	SDF/SRL/Merck	500gmx2
Agar agar	HIMEDIA/SRL	500gmx24
LB broth	HIMEDIA/SRL	500gm x2
Perchloric acid	SDF/SRL/Merck	500 ml
Acetaldehyde	SDF/SRL/Merck	500 ml x2
Diphenylamine	SDF/SRL/Merck	200 gm x2
Glacial acetic acid	SDF/SRL/Merck	500 ml x2
DNA	SDF/SRL/Merck	Minimum pack
RNA	SDF/SRL/Merck	Minimum pack
Agarose special, High EEO, For Molecular Biology (Nucleases and Proteases free)	SDF/SRL/Merck	Minimum pack
Tris, Free base, For Molecular Biology	SDF/SRL/Merck	Minimum pack
Acetic acid, For Molecular Biology	SDF/SRL/Merck	Minimum pack
Ethidium bromide solution (10mg/ml), For Molecular Biology	SDF/SRL/Merck	Minimum pack
EDTA disodium salt dihydrate, For Molecular Biology	SDF/SRL/Merck	Minimum pack
2X PCR Taq Mixture	SDF/SRL/Merck	Minimum pack
100 bp DNA Ladder	SDF/SRL/Merck	Minimum pack
Glycine for Molecular Biology	SDF/SRL/Merck	Minimum pack
TEMEDA	SDF/SRL/Merck	Minimum pack
Acrylamide	SDF/SRL/Merck	Minimum pack
Bis- Acrylamide	SDF/SRL/Merck	Minimum pack
Riboflavin for gel	SDF/SRL/Merck	Minimum pack
Sucrose for gel	SDF/SRL/Merck	Minimum pack
Ammonium persulphate for gel	SDF/SRL/Merck	Minimum pack
Coomassie blue	SDF/SRL/Merck	Minimum pack
TCA	SDF/SRL/Merck	Minimum pack
SDS	SDF/SRL/Merck	Minimum pack
Proteinase K	SDF/SRL/Merck	Minimum pack
Phenol	SDF/SRL/Merck	Minimum pack
Chloroform	SDF/SRL/Merck	500 ml x2
Lead Acetate	SDF/SRL/Merck	500 gm x1
Isopropanol	SDF/SRL/Merck	500 ml x4
Ethanol	SDF/SRL/Merck	20 lit
Agarose for gel	SDF/SRL/Merck	Minimum pack
NaH <sub>2</sub> PO <sub>4</sub>	SDF/SRL/Merck	Minimum pack
Tween 80	SDF/SRL/Merck	500 ml
Hexadecyltrimethylammonium bromide (CTAB)	SDF/SRL/Merck	Minimum pack
Polyvinylpyrrolidone (PVP)	SDF/SRL/Merck	Minimum pack
Ascorbic acid	SDF/SRL/Merck	Minimum pack

β-mercaptoethanol (BME)	SDF/SRL/Merck	Minimum pack
Potassium acetate	SDF/SRL/Merck	Minimum pack
sodium acetate	SDF/SRL/Merck	Minimum pack
bromophenol blue	SDF/SRL/Merck	Minimum pack
Nutrient broth	HIMEDIA/SRL	500gm x2
Folincioalteau reagent	SDF/SRL/Merck	250 ml x2
Sodium potassium tartrate	SDF/SRL/Merck	250 gm x1
PD broth	HIMEDIA/SRL	500 gm x3
Amylase	SDF/SRL/Merck	Minimum pack
Peptone	HIMEDIA/SRL	500gx1
Beef extract	HIMEDIA/SRL	250g x1
Calcium carbonate	SDF/SRL/Merck	200g x1
Nacl	SDF/SRL/Merck	250g x1
Dextrose	SDF/SRL/Merck	500gx2
Starch	SDF/SRL/Merck	500gx2
Casein	SDF/SRL/Merck	250gx 1
Lysozyme	SDF/SRL/Merck	Minimum pack
Protease	SDF/SRL/Merck	Minimum pack
Different Antibiotic disc	HIMEDIA/SRL	6 vials
Liquid parafilm	SDF/SRL/Merck	500ml x4
Dinitrosalicilic acid	SDF/SRL/Merck	250 gm x2
TLC Paper	SDF/SRL/Merck	1 roll
Ashby,s agar media	HIMEDIA/SRL	500 gm x4
CzapekDox broth	HIMEDIA/SRL	500 gm x4
EMB media	HIMEDIA/SRL	500 gm x4
MacConkey,s broth	HIMEDIA/SRL	500 gm x4
Carboxymethyl	SDF/SRL/Merck	500gx1
IMVIC test reagent	SDF/SRL/Merck	Minimum pack
Soil testing kit (NPK)	SDF/SRL/Merck/Himedia	5 pack
Soil testing kit micronutrient	SDF/SRL/Merck/Himedia	3 pack
Buffer tablet	SDF/SRL/Merck	6 vials
Malachite green	SDF/SRL/Merck	250 gm x2
Ninhydrin	SDF/SRL/Merck	250 gm x2
Acetone	SDF/SRL/Merck	500 ml x4
Grams Safranin solution	Merck/Himedia/ stanbio	100ml x 12 x1
Grams Crystal violet solution	Merck/Himedia/ stanbio	100ml x12
Grams Iodine solution	Merck/Himedia/ stanbio	100 ml x12
Rectified sprit	local	20 lit
Alcohol	Bengal chemical	20 lit
Safranin	SDF/SRL/Merck	200 gm x2
Toluene	SDF/SRL/Merck	500mlx1
Tris hydroxi methyl aminomethane		500mlx1
Maleic acid		500gm x1 x1
Citric acid		500gm x1
Boric Acid		500gm
light green	SDF/SRL/Merck	200 gm x2
P-nitrophenyl phosphatetetrahydrate		250g x1
p-nitrophenol		500g x1
Cacl <sub>2</sub> ,2H <sub>2</sub> o		500g x1

Sodium hydroxide		500g x1
bismark brown	SDF/SRL/Merck	200 gm x2
orcin	SDF/SRL/Merck	50 gm x3
carmine	SDF/SRL/Merck	50 gm x3
Acetic acid	SDF/SRL/Merck	500 ml x4
Eocin	SDF/SRL/Merck	100 gm x2
Formalin	SDF/SRL/Merck	500 ml x 10
Potassium hydroxide	SDF/SRL/Merck	500gm x2
Sodium hydroxide	SDF/SRL/Merck	500 gm x2
Sodium -thiosulfate	SDF/SRL/Merck	500 gm x2
Manganese -sulfate	SDF/SRL/Merck	500 gm x2
Potassium iodide	SDF/SRL/Merck	200gm x2
Sodium bi-carbonate	SDF/SRL/Merck	200gm x2
Sodium carbonate	SDF/SRL/Merck	500 gm x2
Lactic acid	SDF/SRL/Merck	500 ml x 2
Glycerine (concentrated)	SDF/SRL/Merck	200gm x2
Cotton blue	SDF/SRL/Merck	200 gm
Methyl alcohol	SDF/SRL/Merck	500 ml x10
Xyline	SDF/SRL/Merck	500 ml x2
Canada balsum	SDF/SRL/Merck	500 ml x2
DPX	SDF/SRL/Merck	500 ml x2
HCl	SDF/SRL/Merck	10 lit
H <sub>2</sub> SO <sub>4</sub>	SDF/SRL/Merck	10 lit
Ammonia solution	SDF/SRL/Merck	500mlx2
Potassium hydroxide	SDF/SRL/Merck	500 ml x1
HNO <sub>3</sub>	SDF/SRL/Merck	5 lit
Clove oil	SDF/SRL/Merck	100 ml
Silica gel for TLC	SDF/SRL/Merck	500 gm x2
Silica gel (for column)	SDF/SRL/Merck	500 gm
Sealionfs reagent	SDF/SRL/Merck	500 ml x 4
Isopropanol (pure)	SDF/SRL/Merck	500 x 4
Benedicts reagent	SDF/SRL/Merck	500 ml x4
Fhelings-A, Felings-B	SDF/SRL/Merck	500 ml x4
Ammonium hydroxide	SDF/SRL/Merck	500 gm x2
Copper sulphate	SDF/SRL/Merck	500 gm x2
Hydrogen peroxide	SDF/SRL/Merck	500 ml x2
Rbc diluting fluid	SDF/SRL/Merck	500 ml
Wbc diluting fluid	SDF/SRL/Merck	500 ml
Lismens reagent	SDF/SRL/Merck	500 ml
N butanol	SDF/SRL/Merck	500ml x2
Fecl <sub>3</sub>	SDF/SRL/Merck	500 gm
Orcinol	SDF/SRL/Merck	50 gm
Ammonium ferrous sulphate	SDF/SRL/Merck	500 gm x4
Acetonitryl	SDF/SRL/Merck	500 ml
N-hexane	SDF/SRL/Merck	500 ml
Burfoids reagent	SDF/SRL/Merck	500 ml x4
Di-phenyl amin	SDF/SRL/Merck	200 gm
Ferus sulphate	SDF/SRL/Merck	500gm x2
Titanium sulfate	SDF/SRL/Merck	500 gm
Na <sub>2</sub> Hpo <sub>4</sub>	SDF/SRL/Merck	500 gm x2

NaH <sub>2</sub> PO <sub>4</sub>	SDF/SRL/Merck	500 gm x2
Millons reagent	SDF/SRL/Merck	500 ml x2
Colchisin	SDF/SRL/Merck	50 gm x2
Sodium chlorate	SDF/SRL/Merck	500 gm x2
Chloroform	SDF/SRL/Merck	500 ml x2
R Nase	SDF/SRL/Merck	Minimum pack
Pyrogallol	SDF/SRL/Merck	Minimum pack
Folin-phenol reagent	SDF/SRL/Merck	500 ml
Starch(soluble)	SDF/SRL/Merck	500 gm x2
Anthrone	SDF/SRL/Merck	200 gm
Gryse(machine grade)	SDF/SRL/Merck	500 gm
Perchloric acid	SDF/SRL/Merck	500 x2
Tetrazolium	SDF/SRL/Merck	100 gm
Potassium permanganete	SDF/SRL/Merck	500 gm x2
Phenolphthalin	SDF/SRL/Merck	100 gm
Potassium bicarbonate	SDF/SRL/Merck	500 gm x2
Robosasl broth	SDF/SRL/Merck	500 gm
Indian ink	SDF/SRL/Merck	100ml x5
Lactothanol	SDF/SRL/Merck	500mlx1
Lactophenol cotton blue	SDF/SRL/Merck	500mlx 2
inoculating needle(loop changeable handle)		20 pc
Reagent bottle (borosil)		50 ml x50 pc
		100ml x50 pc
		200ml x50 pc
		500ml x50 pc
Potassium bismuth iodine	SDF/SRL/Merck	Minimum pack
Potassium mercuric iodide	SDF/SRL/Merck	Minimum pack
Coper acetate	SDF/SRL/Merck	Minimum pack

## Miscellaneous item

Name of the item	Make	quantity
Distiller water vat 5 lit	Terson	2nos
Centrifuse tube	2ml	Remi
	5ml	Remi
	50ml	Remi
Microtips	2ml	Terson
	200 micro lit	Terson
Moonsen colour chart		
Blotting paper	local	5 bundle
pH paper		
litmus paper blue and red		
filter paper (ordinary)	local	
filter paper	whatman	
Cotton absorbent		2 pounds
Cotton nonabsorbent		20 pounds
Test tube rack 20 Hole	Terson	20 nos

Plastic tray		local	
Test tube bucket aluminium make		local	10 nos
Sprit lamp		local	20 nos
Distilled water bottle		Terson	10 nos
Pipet sucker			10nos
Inoculating needle with open ableloop			10 nos
Eppendorf tubes	2 ml	Terson	2 box
	1.5 ml	Terson	2 box
Parafilm roll			6 roll
Tissue paper			
Alluminium foil		local	5 roll
Autoclave able polybag		local	
Cork borer		local	2 set
Spatula different size		local	20 nos
Autoclave able polybag		Himedia	100 nos
Petridish		Terson	1000nos
Conical 250 ml		Terson	50nos
Autoclave able polybag		local	1 kg
thermometer		jeal	10 nos
Hemocytometer		Arma	20 nos
Micropipet	Variable up to 1 ml	Eppendorf	4 nos
	Variable up to 200µl	Eppendorf	4 nos
	Variable up to 200µl	Eppendorf	4 nos
measuring tape			2no

## Glass Goods

Name of the item		Make	quantity
Conical	250 ml	Borosil	100 nos
	100 ml	Borosil	20 nos
	50 ml	Borosil	20 nos
Pipet	10ml	Borosil	50 nos
	5ml	Borosil	50 nos
	1ml	Borosil	50 nos
Beaker	1lit	Borosil	4 nos
	500ml	Borosil	4 nos
	250ml	Borosil	100 nos
	100ml	Borosil	50 nos
Measuring cylinder	100ml	Borosil	10 nos
	50ml	Borosil	50 nos
Funnel		Local	20 nos
Glass rod		Local	2 kg
Separating flask 500 ml		Borosil	2 nos

Petridish tetra	Tarson	50nos
Durhams tube	local	200 nos
Slide	Bluestar	10 box
Coverslip	Bluestar	10 box
Petridish	Borosil	1000 nos
Test tube	Borosil	1000 nos
Burret With strand	Borosil and tarson	10 nos

## Specimen

Name of the Specimen	Make	quantity
Rhizopus sporangium and zygospore	Biasco	10 vials
Penicilliumsporangiophore with sporangia	Biasco	10 vials
Aspergillus sporangia	Biasco	10 vials
Ascobolous fruit body	Biasco	10 vials
Cercospora sporangia	Biasco	10 vials
Puccinia wheat infected and burbery infected	Biasco	10 vials
Agaricus fruit body	Biasco	10 vials
Albugo	Biasco	10 vials
Lichen thallus with sexorgan	Biasco	10 vials
Late blight of potato	Biasco	10 vials
Black stem rust of wheat	Biasco	10 vials
Tikka disease of ground nut	Biasco	10 vials
Riccia sex organ and sporophill	Biasco	10 vials
Marchantiaantheriodeophore and archigoniophore	Biasco	10 vials
Anthoceros sporophyte	Biasco	10 vials
Pellia, sexorgan and sporophyte	Biasco	10 vials
Porellasexorgan and sporophyte	Biasco	10 vials
Sphagnum sphorophyte	Biasco	10 vials
Funaria sporophyte	Biasco	10 vials
Psilotum sporangium and slide	Biasco	10 vials
Lycopodiumsporophill	Biasco	10 vials
Selaginella strobilus	Biasco	10 vials
Equisetum strobilus	Biasco	10 vials
Pteris	Biasco	10 vials
Cycas male and female sprophill	Biasco	10 vials
Pinus strobilus	Biasco	10 vials
Gnetum male and female cone	Biasco	10 vials
Peziza	Biasco	10 vials
Alternaria	Biasco	10 vials
Lycane	Biasco	10 vials

Nostoc	Biasco	10 vials
Chlamydomonus	Biasco	10 vials
Oedogonium	Biasco	10 vials
Vaucheria	Biasco	10 vials
Focus	Biasco	10 vials
Polysiphonia	Biasco	10 vials
Volvox	Biasco	10 vials
Coleochaete	Biasco	10 vials
Chara	Biasco	10 vials
Alternaria	Biasco	10 vials
funaria	Biasco	10 vials
Ectocarpus	Biasco	10 vials
Procholorom	Biasco	10 vials
Slide of cycas male cone and female cone	Biasco	10 vials

## Instruments:

SL NO	Name of the instruments	Make	Cost Rs.
1	<b>Compound microscope (10x, 45x,100x)</b>	<b>olympus</b>	
2	<b>Simple microscope (10x)</b>	Weswox	
3	Electronic Balance	(Simajdu )	
4	Colorimeter	(Simajdu ) (Boveman)	
5	thermometer	jeal	10 nos
6	Fermentor -5L	ELTEK	
7	Hot plate cum magnetic stirrer	ELTEK	
8	Vertical Gel electrophoresis system	Bio-rad	
9	U-V Transilluminator	BIOBEE-TECH	
10	Sterio Microscope, 7x-45x Stereo Zoom Microscope Szm-101, LED	Weswox	
11	ELISA PLATE (96wells); Microfiter Plate reader (Abode)	ERBA	
12	Western Blotting system	LYM MINI	
13	Centrifuge	Remi	
14	MICROPROCESSOR COLONY COUNTERS MODEL LT-36	"LABTRONICS"	
15	MICROSCOPE WITH 'DIGI-510' USB 3.0 MICROSCOPIC CAMERA ATTACHMENT WITH DIGICAM LIVE ANALYSIS SOFTWARE.	DEWINTER 'NEW CROWN'	
16	<b>GEL DOCUMENTATION SYSTEM (13-01-03)</b>	<b>BIOTECH R &amp; D LABORATORIES</b>	