

UNIVERSITY OF NORTH BENGAL  
OFFICE OF THE REGISTRAR



ENLIGHTENMENT TO PERFECTION

Sealed quotations are invited by the Department of Botany, University of North Bengal for the Rate Contract of Laboratory chemicals. Details in University website [www.nbu.ac.in](http://www.nbu.ac.in).

Advt. No. 126/ R-17 Dated: 07.11.2017

**Registrar (Offg.)**

**Chemical list for purchasing of chemicals and Glasswares below Rs. 5,00,000/-**  
**Department of Botany, 2017-2018**

<b>Chemical</b>	<b>Company</b>	<b>Cat No</b>
Agar powder -500g	Himedia	GRM026
DPPH -1g	Himedia	RM 2798
100 ml flask	Borosil	5133016
250ml flask	Borosil	5100021
500ml flask	Borosil	5100024
Measuring cylinder -25ml	Borosil	3026009
Measuring cylinder -10ml	Borosil	3026006
Measuring cylinder -100ml	Borosil	3026016
Measuring cylinder -500ml	Borosil	3026024
Amber bottle -250ml	Borosil	1519021
Tubes -15ml	Borosil	9910007
Amber bottle -500ml	Borosil	1519024
Methanol -2.5lt	Merck	1.945116.2521
Ethyl acetate -2.5lt	Merck	1.94512.2521
Hexane -2.5lt	Merck	1.04368.2521
Benzene -2.5lt	Merck	1.07033.2521
Diethylether -2.5lt	Merck	1.00923.2521
Petroleum benzene -2.5lt	Merck	1.94520.2521
2-Propanol -2.5lt	Merck	1.94524.2521
Acetone -2.5lt	Merck	1.94500.2521
Chloroform -2.5lt	Merck	1.94506.2521
Whole Genome Sequencing service	Bionivid Technology	Bacterial genome re sequence; Platform illumine; 98 % coverage; Annotation; Genome statistics
Whole Genome Sequencing service	Eurofib	Bacterial genome re sequence; Platform illumine; 98 % coverage; Annotation; Genome statistics
Whole Genome Sequencing service	Xcelris	Bacterial genome re sequence; Platform illumine;

		98 % coverage; Annotation; Genome statistics	
STARCH SOLUBLE		GRM3029-500G	
SUCROSE		GRM3063-500G	
SODIUM CARBONATE		GRM3951-500G	
AMMONIUM PERSULFATE	<b>Himedia</b>	MB003-500G	
GALLIC ACID		GRM233-500G	
GLUCOSE		TC130-100G	
4-NITROPHENYL-A-D-GLUCOPYTANOSIDE		RM 10294- 1G	
GLUTATHIONE OXIDASE		RM550-500MG	
GLUTATHIONE REDUCTASE		TC134-10G	
5,5'-DITHIOBIS(2-NITROBENZOIC ACID)		GRM1677-5G	
2,4-DINITROPHENYLHYDRAZINE		RM1059-100G	
L-ASCORBIC ACID		PCT0207-100G	
UREA		GRM3976-500G	
FERROZINE		RM1406-1G	
NADH		RM393-1G	
4-NITROPHENYL-A-D-GLUCOPYRANOSIDE		RM10294-1G	
TEMED, A.R.		GRM1572-100ML	
GAMMA-AMINOBUTYRIC ACID (GAMA)		<b>Sigma</b>	A2129-10G
β-AMINOBUTYRIC ACID (BABA)			757454-1G
BENZOTHIADIAZOLE (BTH)	B10900-5G		
SODIUM TRIPOLYPHOSPHATE	1065291000		
SERICIN	S5201		
TYROSINASE	T3824-25KU		
FULL RANGE MOLECULAR MARKER	GERPL800E		
ETHYL ACETATE	<b>Merck india</b>	1.94512.2521	
DIETHYL ETHER		1.00923.2521	
ACETONE		1.94500.2521	
CHLOROFORM		1.94506.2521	
BENZENE		1.01782.2521	
TOLUENE		1.08323.2521	
METHANOL		1.94516.2521	
SULFURIC ACID		1.93400.2521	
LACTIC ACID		1.93027.0521	
GLACIAL ACETIC ACID		1.93402.2521	
HYDROCHLORIC ACID		1.93401.2521	
DICHLORO METHANE		1.94508.2521	
FOLIN & CIOCALTEU'S PHENOL		10900105001730	

REAGENT		
GLYCEROL		1.94501.0521
HEPTANE		1.04365.2521
HEXANE		1.94514.2521
HYDROGEN PEROXIDE		386790-100MLCN
SODIUM HEXAMETAPHOSPHATE		1.93696.0521
1-BUTANOL		1.94502.2521
FORMALDEHYDE		344198-250MLCN
DNA 100bp Ladder	<b>Promega</b>	G2101
pGEM-11Zf (+) vector		P2411
pGEM-T Easy Vector		A1360
JM109		P9751
BamHI		R6021
EcoRI		R6011
GoTaq Start Polymerase		M5001
Plant DNA kit Maxwell 16LEV		AS1420
Wizard-SV Gel PCR Clean up system		A9281
Wizard 96 DNA plant System		FF3760
Go Taq DNA Polymerase		M3005
dNTPs mix		U1515
GoTaq Master Mixes		M7122
GoTaq G2 Master Mixes		M7822
Wizard Genomic DNA Puri kit		A1120
PCR Nucleotide Mix		C1141
GoTaq G2 Flexi DNA Polymerase		M7805
Whole Genome Sequencing service of one Rice plant <i>Oryza sativa</i>		30 x genome coverage with 12 Gb data. Bioinformatics analysis, using Three Reference Genome.
GWAS DNA sequencing service of Rice samples <i>Oryza sativa</i>		With Bioinformatics analysis
Transcriptomics analysis for gene expression at different level of development to detect the gene expression variation in four rice samples and identify the gene (s) responsible for phenotypic variation.		Transcriptomics analysis of Four Rice plant samples (Parent 2, Progeny 2) with Bioinformatics analysis

### Promega

<b>Cat. No.</b>	<b>Item</b>
M5101	AMV Reverse Transcriptase, 300u
M1941	Tfl DNA Polymerase, 100u

U1330	Set of dATP, dCTP, dGTP, dTTP, 10µmol each
G5711	1kb DNA Ladder, 500µl
A1360	pGEM-T Easy Vector System I, 20 reactions
C1181	Random Primers, 20microg
R6341	KpnI ,2,500u
R6111	PstI 3,000u
R6011	EcoRI 5,000u
R6041	HindIII 5,000u

**ThermoFisher Scientific**

<b>Cat. No.</b>	<b>Item</b>
EP0092	phi29 DNA Polymerase (10 U/µL), 1,000 units
EF0221	Pyrophosphatase, inorganic (0.1 U/µL), 10 units
ER0681	XbaI, 1,500 units
ER0291	Eco31I (BsaI), 1,000 units

**Tarsons**

<b>Cat. No.</b>	<b>Item</b>
521000	0.2-10 Microtips
521010	2-200 Microtips
521020	200-1000 Microtips
920081	L Shaped spreader pouch of 5
521090	Syringe Filter, 25mm

**SRL**

<b>Cat. No.</b>	<b>Item</b>
17315	DL-Dithiothreitol (DTT), 25g 044929
96764	Chloroform, 500ml
79345	Methanol, 1000ml 132299
50670	TRIZOL-S Reagent, 100 ml BOS002
12692	Phenol Tris Equilibrated for molecular biology, 500ml 1624262

**New England Biolab**

<b>Cat. No.</b>	<b>Item</b>
C2527H	BL21 (DE3) Component E. coli

**Roche**

<b>Cat. No.</b>	<b>Item</b>
06402712001	FastStart Essential DNA Green Master, 500 x 20 µL reactions
06612601001	LightCycler® 8-Tube Strips (white), 120 x 8-tube strips and caps

**Roche (Sigma-Aldrich)**

<b>Cat. No.</b>	<b>Item</b>
03353621001	5'/3' RACE Kit 2nd Generation, 10 reactions

**Sigma-Aldrich**

Cat. No.	Item
C3023-1G	CHAPS 1G
B10900-5G	2,1,3-Benzothiadiazole
L9634-500MG	Laminarin, 500mg

TRICHLOROACETIC ACID (TCA)	SIGMA	641730-500GMCN-500 G
SODIUM CHLORIDE	SIGMA	1.94924.0121-100 g
Tris	BIO RAD	1610719- 1Kg -
EDTA	BIO RAD	1610729- 500g -
PCR Agarose	BIO RAD	1613104 - 125g-
Ethidium bromide	BIO RAD	1660456-
PHENOL	INVITROGEN	15513047- 400ML
TAQ POLYMERAS	INVITROGEN	AM2054

**Quotation Notice**  
**(As per G.O. No. 5400-F(Y), dated 25.06.2012)**

Sealed quotations are invited by the Department of Botany, University of North Bengal for the rate contract of Laboratory Chemicals and Glass Goods ( below Rs. 5,00,000/-) of the following companies as mentioned in the list below for the F.Y. 2017-2018.

Interested suppliers may submit sealed quotations with GST , VAT,CST,PAN details in an envelope to the Head, Department of Botany, NBU within 7 days from the date of publication of this notice.

Terms and Conditions:

1. The vendor(s)/ Supplier(s) shall provide self attested copies of GST, VAT,CST,PAN.
2. Quotations should be valid till March 31,2018.
3. The quoted items should have warranty coverage.
4. Quoted amount should include all applicable taxes.

Head  
Department of Botany