

REGIONAL INSTITUTE OF EDUCATION: BHUBANESWAR

TENDER NOTICE

Sealed Tenders are invited from Original Equipment Manufacturers/ Authorized Dealers etc. for supply of Scientific Instruments, Chemicals, Plastic wares. Glass wares and other class work materials to DESM of the Institute. The period of issue of Tender form is from **14 .10. 2016 – 27.10.2016** (from 10:00 a.m - 5:00 p.m) on all working days and the last date of receipt of Tender is up to 5:00 p.m of 28 . 10. 2016 . The Tender will be opened on **28 .10. 2016** (4:00 p.m). For further details please visit our Website: www.riebbs.ori.nic.in and www.riebbbs.ac.in


ADMINISTRATIVE OFFICER

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TENDER SCHEDULE
REGIONAL INSTITUTE OF EDUCATION , BHUBANESWAR

Sealed Tender item wise ,are invited from **Original Equipment Manufacturers / Authorized Dealers** for supply of Science Equipment, Chemicals, plasticware , Glassware and other class work items to different sections of DESM of the Institute.

The Tender forms containing Terms & conditions can be obtained from **HEAD, DESM, RIE, Bhubaneswar** on payment of **Rs 200/-** (Rupees Two Hundred) only and the EMD should be in shape of Bank Draft drawn in favour of **"GENERAL FUND ACCOUNT", RIE, Bhubaneswar**, payable at **SBI, RCE Campus Branch , Bhubaneswar, Code no: 5302** on any Nationalized Bank at **Bhubaneswar** as per the following schedule.

a. Period of issue of Tender Forms from: **14 .10 . 2016 to 27 .10. 2016**

(10.00 a .m to 5.00 p.m)

b. Last date of Submission of Tender forms : **27 .10.2016 (up to 5.00 p.m)**

c. Opening of Tender : **28. 10. 2016 (4.00 p.m)**

The Tenders received after due date and time and in unsealed condition ,without EMD will be rejected. For further details please visit our websites: www.riebbs.ori.nic.in and www.riebbs.ac.in .

The Principal, Regional Institute of Education, Bhubaneswar reserves the right to reject any or all tenders without assigning any reason thereof.

This issues with the approval of the competent Authority.


06/10/2016
Administrative Officer

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**TERMS AND CONDITIONS FOR PURCHASE OF SCIENCE EQUIPMENT, GLASSWARE,
PLASTIC WARE AND CLASS WORK MATERIALS ETC. FOR DESM**

Regional Institute of Education, Bhubaneswar invites item-wise sealed Tenders from Original Equipment Manufacturers / Authorized Dealers as per the specifications mentioned against each item(s) available in our website www.riebbs.ori.nic.in. and www.riebbs.ac.in .

1. The Tender should accompany @ 3 % of the quoted price as EMD.
2. The EMD will be refunded to the unsuccessful bidder by post as per GFR rules.
3. The EMD of successful bidders will be refunded only after satisfactory supply of ordered items/equipment.
4. The last date for receipt of duly filled in complete tender with EMD and other necessary documents is **27 . 10 . 2016 by 5:00 P.M.**
5. No excuse for Postal Delay, Holidays or any other reasons will be acceptable for submission of Tender beyond the due date.
6. Tenderers should sign on the Tender Form and enclose copies of the required documents.
7. After finalizing the tender process, procurement order will be placed to the successful bidders for supply of quoted items with quoted rate. **If the agency fails to supply the items within the stipulated period, the procurement order will be cancelled and EMD amount will be forfeited.**
8. The rates of Equipment be quoted as per DGS&D rate contract wherever is applicable, otherwise non DGS&D can also be quoted.
9. The payment of cost of supplied items will be made after satisfactory supply. The supplier should submit the bill in triplicate with ASR. The payment will be made by A/C payee cheque of SBI, RCE Campus Branch, and Bhubaneswar.
10. For all purpose of the contract including arbitration proceeding there under the Principal, RIE, Bhubaneswar shall be entitled to exercise all the rights and power of purchase.
11. It will be the responsibility of concerned Firm to deliver the items ordered at RIE, Bhubaneswar.
12. Force Major, Clause is applicable to this contract.
13. i. The supply should carry usual Guarantee/ Warranty .

- ii. No advance payment will be made to the Firm under any circumstances.
- iii. The Tenderers should possess valid TIN/PAN and mention the same on Tender Paper.
- iv. Annual maintenance contract, terms and conditions need to be mentioned in Tender whenever applicable.
- v. The Tenderers who have downloaded the Tender Form and Terms and Conditions of the Tender from the RIE website and interested to submit the same may deposit **Rs.200.00** (Rupees Two Hundred) only in the shape of Bank Draft drawn in favour of **GENERAL FUND ACCOUNT, State Bank of India, RCE Campus Branch, Code: 5302** failing which the tender will be rejected.
- vi. The rates of all items should be **inclusive of all Taxes**, Transportation, Free Delivery and Demonstration etc, however the amount and percentage of VAT and other taxes if any may be reflected separately in the enclosed format.
- vii. The Demonstration and installation of the ordered Equipment should be done immediately after supply failing which the items will not be considered for payment. The installation certificate should be enclosed after the demonstration of the ordered equipment is completed .
- viii. The firm should enclose the operating manual of the ordered Equipment .
- ix. No extra price will be paid in any case to the supplier(s).
- x. The Tenderers should submit the soft copy of the Tender.

The Institute reserves the right to reject or accept any or all the tenders either in full or in part without assigning any reason thereof.


06/10/2019
ADMINISTRATIVE OFFICER



REGIONAL INSTITUTE OF EDUCATION: BHUBANESWAR

Tender Form for supply of Scientific Equipment, Glassware, Plastic ware and class work materials for DESM (RIE)

1. Name of the Firm with complete Postal Address: -----
2. Name of the Accounts (Need to be in the name of Firm / Organization):-----
3. Type of Account : SB / Current: -----
4. Name of the Bank : -----
5. Address of the Bank: -----
6. IFSC code of the Bank: -----
7. Account No : -----
8. Telephone No : i) Landline No.:-----
ii) Mobile No :-----
9. FAX No: -----
10. PAN No: ---
11. TIN No.:-----
12. Bid Amount (Item wise)
 - a.
 - b.
 - c.
 - d
13. EMD Details: -----

Signature of the proprietor with Address



CONSOLIDATED LIST OF SCIENTIFIC EQUIPMENT TO BE PURCHASED DURING 2016-17 (DESM)

HEAD : PLAN (EQUIPMENT & FURNITURE) 2016-17

(PHYSICS SECTION)

SL NO	PARTICULARS OF EQUIPMENT	SPECIFICATION / MAKE	QUANTITY	REMARKS
1	Fixed frequency Oscillator (Inco)	Frequency (200 HZ / 400 HZ / 1 KHZ/ 2KHZ Output (0-8v) Cat No : 7720 (INCO)	2 nos	
2	Polari meter (Inco)	With Laurent Quartz half shade device Analyzer fitted with scale & vernier 1 / 10 degree (with 200 cm bubble tube) Cat No:4229 (INCO)	1 no	
3	D.C power supply (Inco)	With three analogue meters output (0-300v)D.C , 100 MA (6.3v – 3 Amp) Cat No : 7742 (INCO)	2 nos	
4	Newton's Ring Apparatus (Inco)	Lens fitted in frame with screws With Glass plate fitted at 45 ° angle Cat No : 4400 (INCO)	2 sets	
5	Sodium Vapour Lamp (Inco)	Sodium Vapour Lamp with 55 watts choke / Auto leak transformer Cat No : 4441 (INCO)	2 sets	
6	Automatic Voltage Stabilizer (V – Guard)	1 KVA (130v input ^α 220 v output (V GUARD)	2 nos	
7	Photo cell Characteristics Apparatus (Pisco)	With Power Supply and 2 analogue meters (PISCO)	1 no	
8	Plank's Constant Apparatus (Pisco)	Complete with power supply (With two analogue meters , Photo cell , with mount , light source and filter set) (PISCO)	1 no	
9	MOSFET Characteristics Apparatus (Pisco)	With power supply & 3 analogue meters (PISCO)	1 no	
10	Diode as full / Half wave & Bridge Rectifier (Pisco)	With power supply & 2 meters with filer ckt (PISCO)	1 no	
11	Searls rigidity Apparatus with 3 test wires (Inco)	With 3 test wires Cat No : 2279 (INCO)	1 nos	
12	Wien Bridge Oscillator using JFET(Omega)	Set up to generate a sine wave of 3 frequencies at 3 Vpp. (OMEGA))	1 no	
13	Function Generator (Omega)	Sine / Square / Triangular (1HZ to 110KHZ) (OMEGA)	1 no	
14	Vernier Microscope (Inco)	Horizontal scales fitted with micrometer head L.C 0.001 c.m in case (INCO)	2 nos	

CHEMISTRY SECTION				
SL NO	PARTICULARS OF EQUIPMENT	SPECIFICATION / MAKE		QUANTITY
15	Digital melting point apparatus	Veego Instruments / Swastik Instruments & co		492 nos
16	Digital Auto Boiling Apparatus	Veego Instruments / Swastik Instruments & co		2 nos
17	Fully Automatic Calorimeter (Isoperibal oxygen bomb Calorimeter)	OMEGA Scientific		2 nos
18	Polari meter with monochromatic light source / Sodium vapour lamp	SIPCON / OSAW / LAMENT		3 sets
19	Thin layer Chromatography Apparatus with chrome plated applicator	UNILAB		1 no
20	Vacuum Pump	BASYNTH 1 HP		1 no Set
21	Digital Balance with enclosures , readability up to 2 nd place after decimal point	SARTORIOUS / K-ROY		2 sets
BOTANY SECTION				
SL NO	PARTICULARS OF EQUIPMENT	SPECIFICATION / MAKE		QUANTITY
22	Conductivity TDS Meter (Systronics)	SYSTRONICS – 308 , Conductivity 0.1mS to 100 Ms, 7 digits,temp-0° c - 100° c , Resolution 0.10c / .001 micro second , auto temp compensation		1 no
23	Water bath (Remi)	RSB-12, REMI ,Double walled, stainless steel , digital temp indicator with precise accuracy 1°c , shaking speed range from 40 – 180 strikes / min , 250 x 6 flasks		1 no
24	Monocular Microscope (Olympus)	Olympus MLX-M , Inclined with Blue light anti fungus , Halogen light illuminator, objectives, .10x, 10x, 40x , 100x , Abbe condenser NA – 1.25		4 nos

ZOOLOGY SECTION				
SL NO	PARTICULARS OF EQUIPMENT	SPECIFICATION / MAKE	QUANTITY	
25	Blood Pressure Monitoring System	Make : Kriyamed	6 nos	
26	Senior Precision Rotary Microtome (Spencer type) with all accessories	Make : Pinnacle	1 no	
27	Craft Mega scope	Make : Biocraft Fitted with 6" magnifier and round fluorescent tube and transformer	6 nos	
28	Stethoscope	Imported	4 nos	
29	Blood Pressure Apparatus	ISI mark , Scale calculated from 0 – 260 mm , with bandage type coffin metal case	2 nos	
30	Pointer Eye Piece imported	10 x , 15 x Make : Biocraft , Agra	10 x - 6nos 15 x - 3 nos	

H. Goswami
HEAD, DESM 4.10.16

[Signature]

LIST OF CONSUMABLE ITEMS (DESM)
HEAD: DWE-DESM-Non-Plan-2016-17

PHYSICS SECTION			
SL NO	PARTICULARS OF EQUIPMENT	SPECIFICATION / MAKE	QUANTITY
1	Spectrometer prisms (INCO)	Prisms Crown Glass two faces (PC-101) 32 X 32 mm ht, R. Index – 1.51 (INCO make)	6 nos
2	Diffraction Grating (INCO)	(4455) 15,000 L.P Superior Quality (INCO)	2 nos
3	Surface Tension by Capillary rise (Capillary attachment only)(PISCO)	Capillary attachment only (PISCO)	2 nos
4	Conductivity Cell (for determining conductivity / PH of Electrolyte) Cell Constant -1 / 1.2/1.4	Cell Constant 1/1.2/1.4 (For determination of conductivity / PH of Electrolyte	2 nos
5	Digital Stop watch (RACER)	RACER	4 nos
6	Electronic Components	i. Capacitors 0.1 μ fd (400 v) 1000pfd. (400 v) 16 μ fd (450 WV) 20 μ fd (450 WV)	6 nos each
7	Electronic Components	II . Semiconductor Diode (BY -127) III. Transistor – (SK-100) IV. FET – (BFW-11) V. OPAMP –(741) VI. Resistors- 1 wt capacity values -1k, 4.7k ,10k,15k, 5.6k	4 nos each

CHEMISTRY SECTION (INORGANIC CHEMICALS) FINAR

SL NO	NAME OF THE CHEMICALS	MAKE	QUANTITY
1	Ammonium Nitrate	FINAR	1 X 500gm
2	Ammonium Bromide	FINAR	1 x 500 gm
3	Conc Hcl	FINAR	5 x 2.5 lit
4	Conc. H ₂ SO ₄	FINAR	4 x 2.5 lit
5	Barium Chloride	FINAR	2 x 500 gm
6	Cupric Carbonate	FINAR	1 x 500 gm
7	Fused Calcium Chloride	FINAR	2 x 500 gm
8	Copper Turning/ Wool	FINAR	1 x 500 gm
9	Cobalt Nitrate	FINAR	1 x 100 gm
10	Sodium Cobalt Nitrate	FINAR	1 x 100 gm
11	Ceric Ammonium Nitrate	FINAR	1 x 100 gm
12	Mercury Chloride	FINAR	1 x 250 gm
13	Potassium Iodide	FINAR	3 x 500gm
14	Potassium Bromide	FINAR	1 x 500gm
15	Sodium Bromide	FINAR	1 x 500gm
16	Stannous Chloride	FINAR	1 x 100gm
17	Hydrogen peroxide	FINAR	1 x 500ml
18	Potassium Dichromate	FINAR	1 x 500 gm
19	Potassium Sulphate	FINAR	1 x 500 gm
20	Silver Nitrate	FINAR	1 x 100 gm
21	Tin Granules	FINAR	1 x 100gm

ORGANIC CHEMICALS (FINAR) (CHEMISTRY SECTION)

22	Salicylic Acid	FINAR	2 X 500gm
23	Carbon Tetrachloride	FINAR	2 x 500ml
24	Acetanilide	FINAR	1 x 500 gm
25	Phenyle Hydrazine Hydrochloride	FINAR	2 x 100 gm
26	Ethyl Acetate	FINAR	2x500ml
27	Methanol	FINAR	3 x 500 ml
28	Nitrobenzene	FINAR	1 x 500 ml
29	Alpha Naphthol	FINAR	1 x 100 gm
30	Beta Naphthol	FINAR	1 x 500 gm
31	Schiff's Reagent	FINAR	2 x 500ml
32	Nin hydrin AR	FINAR	1 x 25 gm
33	N-butanol	FINAR	1 x 2.5lit
34	Cadmium Carbonate	FINAR	1 x 500 gm
35	Sodium Bi-Sulphite	FINAR	1 x 500gm
36	Amino Acid Kit	FINAR	1 x 1kit
37	Buffer Tablet(pH-4)	FINAR	1 x 1pkt
38	Buffer Tablet(pH-7)	FINAR	1 x 1 pkt
39	Phenol	FINAR	2 x 500 gm
40	Methylene Blue	FINAR	1 x 25 gm

41	Fluorescein	FINAR	1 x 25 gm
42	Galactose	FINAR	1 x 500 gm
43	Toluene	FINAR	2 x 500 gm
44	Hexan-2-one	FINAR	2 x 500ml
45	Cyclohexane	FINAR	2 x 500 ml
46	Sodium Bisulphite	FINAR	1 x 500 gm

GLASSWARE (BOROSIL) (CHEMISTRY SECTION)

1	Beaker (250 ml)	1000 D 21	30 nos
2	Beaker (100 ml)	100D 16	30 nos
3	Conical flask (250 ml)	4980021	20 nos
4	Conical flask (100 ml)	4980016	30 nos
5	Pipette 25 ml	7102009	6 nos
6	Pipette 10 ml	7102006	15nos
7	Burette 25 ml	2122009	10 nos
8	Burette 50 ml	2122012	6 nos
9	Liebig condenser with joint size 19/26	2400087	3 nos
10	Round Bottom flask with grounded joint size 19/26 capacity 250 ml	4380B21	3 nos
11	Gooch crucible G4 30 ml size	3206810	10 nos
12	Funnel 7.5 cm diamtr.		30 nos
13	Specific gravity bottle (Pyknometer)	1627009	3 nos
14	Flask distilling with side arm		4 nos
15	Test tube 15 x 125 mm size	9800004	500 nos
16	Porcelain Basin 10 cm dia	Ordinary	20 nos
17	Kipps Apparatus	6550024 500ml capacity	2 nos
18	Atomizer with bottle		2 nos

TARSON PRODUCT (CHEMISTRY SECTION)

1	Dropping Bottles	620070	60 nos
2	Self-venting Labeled wash bottle	562020	1 pack
3	Measuring cylinder class B 25ml capacity	346020	6 nos
4	Measuring cylinder class B 50ml capacity	546030	6 nos
5	Buchner Funnel 70mm diam	643014	3 nos

CLASS WORK MATERIALS (CHEMISTRY SECTION)

1	Test tube Holder		50 nos
2	Filter paper ordinary sheets		1 rem
3	Spatula 6" long nickel		3 doz
4	Rubber corks size no 2		50 nos
5	Rubber corks size no 4		50 nos
6	Charcoal block		4 pkts
7	Blow pipe 8" long brass		40 nos
8	Tongs 6" long brass type		30 nos
9	Triangular file		5 nos
10	Fusion tube pkt. of 5 gross		5 pkts

	Litmus paper Merck/PHC pkt containing 10 books		4pkts
12	Litmus paper Merck/PHC pkt containing 10 books		4 pkts
13	Capillary tube pkt of 1 gross		3 pkts
14	Glass tubing (Borosil make)		1 kg
15	Bunsen burner Mansfield type Dollar/Parco make		30 nos
16	Test-tube cleaning brush		30 nos
17	Wire gauge with central asbestos pad		40 nos
18	Mortar and pestle, porcelain make 10cm diam.		20 nos
19	Porcelain basin 10 mm diam.		20 nos
20	What man No.41 filter paper (pkt of 100) circles (10 cm diam.)		2 pkts
21	Test tube stand (wooden)		30 nos
22	Thermometer up to 300c		20 nos
23	Gas distribution cock 4 way brass made		12 nos
24	Chromatography paper size 460 x 570mm		1 pkt
25	Cobalt Blue Glass		16 nos

ZOOLOGY SECTION

ZOOLOGY SECTION (CHEMICALS) (HI-MEDIA)

1	Acetone	AS024	2 x 2.5 lit
2	1 – Butanol	AS088	5 x 1.0 lit
3	Acetic Acid Glacial	AS001	1 x 2.5 lit
4	Chloroform	AS039	2 x 500 ml
5	Hydrochloric Acid – Extra pure	AS004	2 x 2.5 lit
6	Sulphuric Acid – Extra pure	AS015	2 x 2.5 lit
7	D – Fructose pure	GRM 196	3 x 100 gm
8	Glycerol anahydrous	GRM 081	5 x 500 ml
9	Silver Nitrate	GRM 408	2 x 10 gm
10	Lactose	TC 144	1 x 500 gm
11	Sodium Hydroxide	MB 095	5 x 500 gm
12	Potassium Hydroxide	TC-505	2 x 500 gm
13	Formaldehyde solution 37%	AS 017	5 x 5 lit

SPECIMEN FOR DISSECTION AND MOUNTING BIOCRAFT SCIENTIFIC , AGRA (ZOOLOGY SECTION)

1	Earthworm (selected large)		5 bottles
2	Pila (Large selected)		300
3	Scoliodon large		200

MOUNTING MATERIALS (ZOOLOGY SECTION)

1	Sponge Spicules		50 units
2	Sponge Gemmules		50 units

GLASSWARE (BOROSIL) (ZOOLOGY SECTION)

1	Test Tubes - made from low expansion borosilicate glass , uniform thickness bottom with uniform thickness with strong rim , capacity-15 ml		800 nos
2	Pipettes – Mohr type , white marking Accuracy as per class –B , Graduated for delivery from zero mark to last graduation mark i. 5 ml ii. 10 ml		12 nos 12 nos
3	Glass Slide – Blue Star , PIC- 1, Polished edges & Lint free packing size : 75 mm Long -25mm wide , Thickness – 1.35 mm		2 x 10 pkts x 50 nos
4	Micro cover glasses Blue Star Thickness – 0.13 mm – 0.16mm i. Square – 18 mm ii. Circular – 18mm		1 x 20 pkts 1 x 20 pkts
5	Watch Glass Dia- 60mm		30 nos
6	Filtering Funnel, 60°angle with stem Diameter		12 nos

PERMANENT SLIDES (ZOOLOGY SECTION)

1	Blpinaria Larva W/ M		2 nos
2	Veliger Larva W/M		2 nos
3	Nauplius Larva W / M		2 nos
4	Pluteus Larva W/M		2 nos
5	Echinopluteus Larva W/M		2 nos
6	Balanoglossus T.S through trunk		2 nos
7	Balanoglossus T.S through proboscis		2 nos
8	Balanoglossus T.S through Collar		2 nos
9	Ephyra larva W.M		2 nos
10	Carcinoma of Breast		2 nos
11	Carcinoma of Lungs		2 nos
12	Carcinoma of Stomach		2 nos
13	Carcinoma of large Intestine		2 nos
14	Leukemia Blood Smear		2 nos
15	Liver Carcinoma		2 nos
16	Malignant Ovarian Tumour		2 nos
17	Ephyra Larva W.M		2 nos
18	Paramecium Binary Fission W.M		2 nos
19	Paramecium Conjugation W.M		2 nos
20	Verticella W.M		2 nos
21	Ascaris Male T.S		2 nos
22	Ascaris Female T.S		2 nos
23	Earthworm Spermatheca W.M		2 nos

24	Drosophylla Male W.M		2 nos
25	Drosophylla Female W.M		2 nos
26	Drosophylla Male W.M		2 nos
27	Drosophylla Yellow eyed W.M		2 nos
28	Drosophylla Red eyed W.M		2 nos
29	Drosophylla Black eyed W.M		2 nos
30	Drosophylla Vestigial wings W.M		2 nos
31	Drosophylla eggs W.M		2 nos
32	Drosophylla larva- I W.M		2 nos
33	Drosophylla larva - ii W.M		2 nos
34	Drosophylla Pupa W.M		2 nos
35	Amphioxus T.S thro Oralhood		2 nos
36	Amphioxus T.S pharenx		2 nos
37	Amphioxus T.S thro intestine		2 nos
38	Amphioxus T.S tail		2 nos
39	Ctenoid Scale		2 nos
40	Cycloid Scale		2 nos
41	Placoid Scale		2 nos
42	Amphibia Egg W.M		2 nos
43	Amphibia Egg V.S		2 nos
44	Amphibia Egg 2 celled stage		2 nos
45	Amphibia Egg 4 celled stage		2 nos
46	Amphibia Egg early cleavage		2 nos
47	Amphibia Egg late cleavage		2 nos
48	Amphibia Egg Blastulla vs		2 nos
49	Amphibia Egg Blastulla W.M		2 nos
50	Amphibia Egg Gastrulla V.S		2 nos
51	Amphibia Egg Gastrulla W.M		2 nos
52	Amphibia Egg Embryo 4mm		2 nos
53	Amphibia Egg Embryo 7 mm		2 nos
54	Amphibia Egg Embryo neural fold VS		2 nos
55	Amphibia Egg External grill stage W.M		2 nos
56	Amphibia Egg internal grill stage W.M		2 nos
57	Amphibia Egg Yolk plug		2 nos
58	Amphibia Egg Tadpol		2 nos
59	Mammal Nerve Cell T.S		2 nos
60	Straited Muscle W.M		2 nos
61	Straited Muscle T.S		2 nos
62	Straited Muscle L.S		2 nos

CLASS WORK MATERIALS (ANY BRAND) (ZOOLOGY SECTION)

1	Water Tape-Swan neck C.P Two ways		2 nos
2	Glass Spirit Lamp with brass wick holder		10 nos
3	Aluminum Foil		5 rolls
4	Tissue Paper / Paper napkins		10 pkts
5	Haemometer "Top" Plano parallel with square tubes		10 sets
6	Haemocytometer with bright line counting chamber and RBC & WBC pipette complete in box		10 sets
7	Bone Cutter 6" stainless steel		20 nos
8	Absorbent Cotton Wool		10 rolls

BOTANY SECTION

BOTANY SECTION (GLASSWARE)

1	Reagent Bottles (500 ml)	1500	10 nos
2	Reagent Bottles (250 ml)	1500	10 nos
3	Reagent Bottles (100 ml)	1501	10 nos
4	Reagent Bottles (250 ml)	1501	10 nos
5	Reagent Bottles (50 ml)	1501	10 nos
6	Beaker (1000 ml)	1000	10 nos
7	Beaker (500ml)	1000	10 nos
8	Centrifuge Tube	8320	06 nos

SLIDES & COVERSLP (BOTANY SECTION)

1	Cover slip Square (Blue Star) 18mmx 18 mm	1183	100 pkts
2	Micro slip Rectangular(Blue star) 18 mmx18mm	1183	100 pkts

CLASSWORK MATERIALS (CONSUMABLE) (BOTANY SECTION)

1	Anabaena Veg.		20 nos
2	Anabaena heterocystic		20 nos
3	Nostoc veg.		20 nos
4	Nostoc heterocystic		20 nos
5	Oscillatoria		20 nos
6	Rivularia		20 nos
7	Volvox vegetative		20 nos
8	Volvox daughter colonies		20 nos
9	Chara reproductive		20 nos
10	Oedogonium vegetative		20 nos
11	Oedonium cap cells		20 nos
12	Oedodonium macrandrous		20 nos
13	Oedogonium nanandrous		20 nos
14	Vaucheria Asexual		20 nos
15	Vaucheria sexual		20 nos
16	Polysiphonia Veg		20 nos

7	Albugo asexual		20 nos
18	Albugo sexual		20 nos
19	Puccinia Acediospore		20 nos
20	Puccinia Uredospore		20 nos
21	Puccinia Teleutosporre		20 nos
22	Alternaria		20 nos
23	Riccia veg.		20 nos
24	Riccia sporophyte		20 nos
25	Marchantia thallus		20 nos
26	Marchantia Gemma Cup		20 nos
27	Marchantia Antheridia		20 nos
28	Marchantia Archegonia		20 nos
29	Marchantia Sporophyte		20 nos
30	Anthoceros thallus		20 nos
31	Anthoceros Sporophyte		20 nos
32	Funaria Veg. Plant		20 nos
33	Funaria With capsule		20 nos
34	Moss Protonema		20 nos
35	Moss Sporophyte		20 nos
36	Sellaginella Stem		20 nos
37	Sellaginella Stribilus		20 nos
38	Sellaginella Root		20 nos
39	Equisetum Stem		20 nos
40	Equisetum Root		20 nos
41	Equisetum Rhizome		20 nos
42	Equisetum Cone		20 nos
43	Lycopodium Stem		20 nos
44	Lycopodium Root		20 nos
45	Lycopodium Strobilus		20 nos

CLASS WORK MATERIALS (PERMANENT SLIDES) (BOTANY SECTION)

1	Prophase of Mitosis		2 nos
2	Metaphase of Mitosis		2 nos
3	Anaphase of Mitosis		2 nos
4	Telophase of Mitosis		2 nos
5	Mature Embryo (L.S)		2 nos
6	Two celled stage embryo		2 nos
7	Quadrant stage embryo		2 nos
8	Globular Embryo		2 nos
9	Ectocarpus unilocular sporangia		2 nos
10	Ectocarpus plurilocular sporangia		2 nos
11	Oedogonium nanadrous		2 nos
12	Puccinia uredospore on wheat leaf(T.S)		2 nos
13	Puccinia Teleutspore on wheat leaf (T.S)		2 nos

4	Axile placentation of ovule		2 nos
15	Basal placentation of ovule		2 nos
16	Free central placentation of ovule		2 nos
17	Marginal placentation of ovule		2 nos
18	Parietal placentation of ovule		2 nos
19	Superficial placentation of ovule		

CHEMICALS & STAINS (HI-MEDIA) (BOTANY SECTION)

1	Boric Acid	RM 3900	2 x 500 gm
2	Catalase	TCO-17	1 x 1 gm
3	Sucrose	RM 601	2 x 500 gm
4	Sodium Bi carbonate	RM 253	2 x 500 gm
5	Manganous Sulphate	RM 1381`	1 x 500 gm
6	Starch	RM 3029	1 x 500 gm
7	Potassium permanganate		2 x 500 gm
8	Sodium Hydroxide pellets	RM 467	2 x 500 gm
9	Potassium Nitrate	RM 402	1 x 500 gm
10	Di Sodium EDTA	TCO 38	1 X 500 gm
11	Fast Green	RM 7004	2 x 25gm
12	Formalin	AS 017	5 X 500 ml
13	Glucose	RM 077	2 x 500 gms
14	Xylene	AS078	4 x 500ml
15	Liquid Detergent		4 x 500 ml
16	Conc . Sulphuric Acid	AS 016	2 x 500ml
17	Glycerine	RM 1027	1 x 1 lit
18	Ferric Sulphate	RM 536	1 X 500 gm
19	Nin Hydrin	RM 268	1 x 10 gm
20	Hematoxylene	S014	5 x 125 ml
21	Gram Crystal violet		2 x 100 ml
22	Pectinase		1 x 25 gm
23	Hydrogen Peroxide		1 x 2 lit
24	Potassium Iodide	RM 252	1 X 100 gm
25	Petroleum Ether	AS063	5 x 500ml
26	Acetone	AS024	5 x 500ml
27	Buffer Capsule PH 4.0	LAA 05	10 boxes
28	Buffer Capsule PH 7.0	IAA 06	10 boxes
29	Grams Iodine		2 x 100ml
30	Grams Safranin		2 x 100 ml

CLASSWORK MATERIALS (CONSUMABLE ITEMS)

1	Test tube holder (BRASS)	BGE -5	2 doz
2	Spirit Lamp (Stainless steel)	BGE- 63	5 nos
3	Stage Micrometer (ERMA , JAPAN)	BMA-51	5 nos
4	Occular Micrometer 0.1 mm (ERMA, JAPAN)	BMA-53	5 nos

	Sachi Disc	BSW- 24	5 nos
6	Alluminium Foil	BSW-69	5 nos
7	Blotting Paper	BGE-108	500 sheets
8	Chromatograpgr column with stop cock	DA-16	10
9	Twig cutter secateurs (imported)	BGT-29	2 nos
10	Twig Cutter secateurs (steel)	BGT- 29	5 nos

CLASSWORK MATERIALS (CONSUMABLE ITEMS) Miscellaneous items

1	Blotting Paper		1 rim
2	Test tube (Borosil)		10 pkts
3	Marker pen		10 nos
4	Chromatography paper		20 nos
5	Sprayer		4 nos
6	Knief Big		2 nos
7	Glass dropper (Big)		20 nos
8	Farmers photometer		5 nos
9	Ganongs photometer		5 nos
10	Glass dropper (small)		20 nos

M. Goswami 4.10.16
HEAD, DESM

Chauhan