

# Santal Bidroha Sardha Satabarshiki Mahavidyalaya

PO : Goaltore, Dist.: Paschim Medinipur, PIN – 721128

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**List of materials required department-wise as per Tender Notice (Ref. SBSSM/NIT/01/16 dated 13/01/2016 & Ref. SBSSM/NIT/02/16 dated 13/01/2016)**

## Terms and Conditions:

1. Quotation will be received on or before 30.01.16 up to 5.00 pm.
2. Materials shall be supplied as per instruction of college authority.
3. S.B.S.S. Mahavidyalaya authority reserves the rights to rejects any / all quotation without assigning any reasons.
4. Valid I.T. , P.T. & VAT clearance certificate must produce at the time of application.
5. Financial capability certificate / Credential certificate must be produced at the time of application.
6. Payment should be made by availability of fund.
7. In all cases unit price should be quoted along with all charges (viz. vat charges, installation charges, delivery charges and any other charges).
8. Suppliers may directly contact Head of the Department of respective Department for details specification or any clarification of items noted below.
9. Suppliers may also collect the list of article from the college office in the working days from 12.00 noon to 4.00 pm. on or before 30/01/2016.

Department of Botany

## GLASS GOODS

SL NO.	ITEMS	Make or Equivalent Make	Rate to be Quoted
1	Slide	Blue Star	Per Box
2	Cover slip	Blue Star	Per Box
3	Watch glass (Big size)	Borosil	Per Pc.
4	Beaker	Borosil	100ml 250ml 500ml
5	Conical flask	Borosil	250ml 500ml
6	Funnel	Borosil	100mm 75mm 50mm
7	Measuring cylinder	Borosil	250ml 100ml
8	Dropper (glass with rubber fitted)	Borosil	6 nos

## REAGENTS

SL NO.	ITEMS	Make or Equivalent Make	Rate to be Quoted
1	Orcein powder	Merck / Loba	10gm
2	Ethyl alcohol (100%)		500ml
3	Formalin	Merck	500ml

### CHARTS

SL NO.	ITEMS	Make or Equivalent Make	Rate to be Quoted
1	Normal Secondary Growth in dicot stem	Biosco or any standard company	Per Pc.
2	Structure of a ideal bacterial cell	Do	Per Pc.
3	T.S. of Gram root	Do	Per Pc.
4	T.S of Maize stem	Do	Per Pc.
5	T.S. of Bambusa leaf	Do	Per Pc.
6	Floral Diagram & floral formula	Do	Per Pc.
7	Development of a typical normal (8 nucleated ) embryo sac.	Do	Per Pc.
8	Post fertilization changes in <i>Capsella sp</i>	Do	Per Pc.
9	T.S. of thallus <i>Riccia sp</i>	Do	Per Pc.
10	L.S. of <i>Anthoceros</i> sporophyte	Do	Per Pc.
11	L.S. of <i>Funaria</i> capsule	Do	Per Pc.
12	L.S. of <i>Selaginella strobilus</i>	Do	Per Pc.
13	T.S of <i>Pteris</i> leaf with sorus	Do	Per Pc.
14	L.S of Ovule in <i>Cycas sp</i>	Do	Per Pc.
15	L.S of Ovule in <i>Gnetum sp</i>	Do	Per Pc.
16	Life cycle of Gymnosperm	Do	Per Pc.

### SPECIMENS

SL NO.	ITEMS	Make or Equivalent Make	Rate to be Quoted
1	<i>Volvox</i> , <i>Oedogonium</i> , <i>Mucor</i> , <i>Penicillium</i> , <i>Agaricus</i> , <i>Riccia</i> , <i>Funaria</i> <i>capsule</i> , <i>Selaginella strobilus</i> , <i>Pteris</i> <i>leaf with sorus</i>	Biosco & Good Quantity	Per Pc.
2.	Permanent slide – Mitotic cell Division (Metaphase, Anaphase, Telophase)	Biosco	Do
3	Permanent slide –Pith, Velamen Tissue, <i>Anthoceros</i> L.S. of Sporophyte	Biosco	Do

## Department of Chemistry

## Required Chemicals

Sl No	Chemical Name	Make or Equivalent make	Specification	Rate to be Quoted
1	Hydrochloric Acid	Merck	2.5 Lit	Specification as mentioned
2	Benzene	Merck	500 ml	do
3	Carbon Tetra Chloride	Merck	500 ml	do
4	Amyl Alcohol	Merck	500 ml	do
5	Di- ethyl ether	Merck	500 ml	do
6	Zinc Acetate	Merck	500 gm	do
7	Barium Sulphate	Merck	500 gm	do
8	EBT (Powder)	Merck	100 gm	do
9	Sodium Peroxide	Merck	500 gm	do
10	Hydrogen Peroxide	Merck	500 ml	do
11	Sodium Carbonate	Merck	500 gm	do
12	Potassium Ferrocyanide	Merck	500 gm	do
13	Zinc Uranyl Acetate	Merck	25gm	do
14	Acetic Acid	Merck	500 ml	do
15	Ammonium Thio-Cyanet	Merck	500 gm	do
16	Sodium Cobaltinitrite	Merck	500 ml	do
17	Potassium –Antimonate	Merck	500 gm	do
18	Anthranilic Acid	Merck	500 gm	do
19	Sodium bisulphite	Merck	500 gm	do
20	Meta- Nitrobenzoic Acid	Merck	500 gm	do
21	Para- Nitrobenzoic Acid	Merck	500 gm	do
22	Para- Nitrobromo benzene	Merck	500 gm	do
23	Ortho – Amino Phenol	Merck	500 ml	do
24	Salicyldehyde	Merck	500 gm	do
25	Cinnamaldehyde	Merck	500 gm	do
26	Maleic Acid	Merck	500 gm	do
27	Malic Acid	Merck	500 gm	do
28	Methyl Acetate	Merck	500 ml	do
29	Ethyl para Hydrochloric Benzoate	Merck	500 gm	do
30	Ethyl meta Hydrochloric Benzoate	Merck	500 gm	do
31	Glycerin	Merck	500 ml	do

### Glass Apparatus & Instrument

Sl No	Item	Make or Equivalent Make	Rate to be Quoted
1	Net	Ordinary	Per pc.
2	Litmus Paper(Blue)	Merck	Per Pkt.
3	Litmus Paper(Red)	Merck	Per Pkt.
4	Fusion Test Tube	Ordinary	Per Gross
5	Magnetic Stirrer (Heating & Stirring)	Remi	Per pc.
6	Condenser (Hard Glass Tube)	Pyrex Glass/Borosil	Per pc. of Normal Size
7	Vacuum pump and Vacuum Desiccators	Tarsons or any standard company	Per pc. of Normal Size
8	Vacuum pump and Vacuum Desiccators	Standard Company	Per pc. of Medium size
9	Magnetic Bar (1 inch)	do	Per pc.
10	Fitting set by water succession system sintered glass crucible, G - 4	do	Per pc.
11	Volumetric Flask - 250 ml	Borosil	Per pc.
12	Volumetric Flask - 100 ml	Borosil	Per pc.
13	Pipette Stand	Tarsons or any standard company	Per pc.
14	Test Tube	Ordinary	Per Gross
15	Mechanical Shakers	Rivotek or any Standard Company	Per pc.
16	Hot Water bath	do	Per pc.
17	Hot Plate	do	Per pc.
18	Centrifuge Test Tube	Borosil	Per Gross
19	3D Model – Stereo chemistry	Tarsons or any Standard Company	Per pc.
20	Watch glass	Borosil	Per pc.
21	Platinum wire	Standard Company	Per pc.

## Requisition list of Instrument

Sl No.	List of Instruments.		Rate to be Quoted	
1	<p>Study of flexure of a bar.(Young modulus) The set up consists of following apparatus.</p> <p>a) The heavy metal stands with leveling arrangements and steel knife edges, one stirrup with steel knife edge, pointer and pan, complete with 110 cm steel bar of unequal sides cross section with one kg (six pc) weight. Make : DI</p> <p>b)Traveling microscope. (Best quality) Horizontal &amp; Vertical scale gunmetal slider on cast iron base. Brass scale Make: Goko/Devco</p>		Per Pc.	
2	<p>Study of flow of liquid through capillary tube (radius to be measured by microscope directly). The set up consists of following apparatus.</p> <p>a) The apparatus consists of a 50 cm long manometer, capillary tubes of 2 different length of 50 cm &amp; 30 cm, constant level tank of brass with adjustable height. Make: DI</p> <p>b) Travelling microscope. Horizontal &amp; Vertical scale gunmetal slider on cast iron base. Brass scale Make: Goko/Devco</p> <p>c) Tripod stand with clamp..</p>		Per Pc	
3	<p>Focal length of a concave lens by combination method. The set up consists of following apparatus.</p> <p>a) 1.5 meter long, all accessories are polished brass and fitted on twin brass rod of 1½" x 1" size. Make: DI</p> <p>b) universal lens holder.</p> <p>c) Light source holder with light and cross wire.</p> <p>d) Screen holder.</p> <p>e) Combination lens set.</p> <p>g) Glass plate</p>		Per Pc	
4	<p>Measurement of resistance of voltmeter and ammeter by half deflection method and their conversion (range and meter) with calibration. Complete in all respects. Make: susama electronics/ De-Tech</p>		Per Pc	
5	<p>Study of regulation characteristics of a bridge rectifier (i) without using a filter and (ii) using a filter. Complete in all respects. The set complete with four no. of semi conductor diode, Inductance coil &amp; capacitors, AC source(6-0-6V/500mA) &amp; CLC filter for rectification with digital voltmeter( 200V), dual digital ac voltmeter(2v/20v)&amp; ammeter(200mA). Make: susama electronics/ De-Tech</p>		Per Pc	
6	<p>Study of the reverse and regulation characteristics of a Zener diode. Complete in all respects. The set complete with 0-10V/1A DC regulated power supply, three noszener of different values with three no. resistance, three no. digital voltmeter(20V) &amp; dual range digital ammeter( 200 uA/200 mA) with connecting jack etc. Make: susama electronics/ De-Tech</p>		Per Pc	

7	To draw the characteristics of a transistor in CE mode. Complete in all respects. The set complete with 0-10V DC/1A & 0-30 V/200 mA DC regulated power supply , four nos digital voltmeter (20V), digital voltmeter (2V, digital ammeter(200uA),digital ammeter(200mA)for suitable range. Make: susama electronics/ De-Tech		Per Pc	
8	Construction of OR, AND, NOT and NAND gates with basic components and verification of truth tables Complete in all respects. Make: susama electronics/ De-Tech		Per Pc	
9	Apparatus for moment of inertia of body. Heavy metal base with levelling arrangements, two 3'.0" long metal rods are fitted vertically on it. One horizontal bar with a 3 – jaw chuck fitted at the top from which the inertia table is suspended. One heavy aluminum disc of 150 cm dia with circular concentric groove for balancing.		Per Pc	
10	Potentiometer with jockey(brass made)		Per Pc	
11	Measuring cylinder(50 cc,100cc,200cc)		Per Pc	
12	Apparatus for modulus of rigidity of wire by (Dynamical method) Stand type, all metal, two vertical metal rods of 4' length stands on a metal base, one 3-jaw chuck is fitted on a heavy cylinder, the cylinder is suspended on a experimental wire, complete with circular scale and pointer.		Per Pc	

Department of Physiology

Equipment, Glass goods, Chemicals

Sl No	Name	Make/ Equivalent make	Rate to be Quoted
1	Pneumograph set	Standard company	Per Pc
2	Myograph	do	Per Pc
3	Kymograph	do	Per Pc
4	Sphygmomanometer	do	Per Pc
5	Stethoscope	do	Per Pc
6	Stop Watch	do	Per Pc
7	Incubater	do	Per Pc
8	Compound Microscope	do	Per Pc
9	Microscope Magnus	do	Per Pc
10	Haemocytometer	do	Per Pc
11	Tritation Set	do	Per Pc
12	Lamp	do	Per Pc
13	Graduated Pipette (10 ml)	Borosil	Per Pc
14	Graduated Pipette (5 ml)	Borosil	Per Pc
15	Graduated Pipette (2 ml)	Borosil	Per Pc
16	Graduated Pipette (1 ml)	Borosil	Per Pc
17	Measuring Cylinder (1 lit)	Borosil	Per Pc
18	Measuring Cylinder 0.5 lit)	Borosil	Per Pc
19	Conical Flask (500 ml)	Borosil	Per Pc
20	Conical Flask (250 ml)	Borosil	Per Pc
21	Conical Flask (100 ml)	Borosil	Per Pc
22	Conical Flask (50 ml)	Borosil	Per Pc
23	Reagent Bottle (1000 ml)	Borosil	Per Pc
24	Reagent Bottle (500 ml)	Borosil	Per Pc
25	Reagent Bottle (250 ml)	Borosil	Per Pc
26	Beaker (500 ml)	Borosil	Per Pc
27	Beaker (250 ml)	Borosil	Per Pc
28	Beaker (100 ml)	Borosil	Per Pc
29	Beaker (50 ml)	Borosil	Per Pc
30	Funnel (3")	Borosil	Per Pc
31	Test Tube (27 ml)	Borosil	Per Pc
32	Burette (25 ml)	Borosil	Per Pc
33	Haemoglobinometer	Any Standard company	Per Pc.
34	Wintrobe's tube	do	Per Pc.
35	Petridish	Borosil	Per Pc.
36	Leishmen Stain (100 ml)	Merck	Per Pc.
37	Test Tube Stand	Any Standard company	Per Pc.
38	Pipette Stand	Tarsons	Per Pc.
39	Anthropometric Rod	Any Standard company	Per Pc.
40	Colorimeter	Any Standard company	Per Pc.
41	Permanent slide - Lung, Trachea, Tongue, Oesophagus, Stomach, Duodenum, Jejunum, Ileum, Large Intestine, Salivary Gland, Liver, Pancreas, Lymph gland, Spleen, Skin, Kidney, Thyroid, Adrenal Gland, Testis, Pituitary Gland, Ovary, Spinal Cord, cerebellum, Cerebrum, Trachea, Artery, Vein.	Biosco or any Any Standard company	Per Pc.

DEPARTMENT OF ZOOLOGY

CHEMICALS (Merck or Equivalent or any standard company)

1. Benedict (qualitative)	100 ml
2. Buins fluid	200ml
3. Clove oil	500ml
4. HCL	1000ml
5. Potassium hydroxide	2000gm
6. Sodium thiosulphate	1000gm
7. Alkaline iodide (KI)	500gm
8. Fructose	100gm
9. Galactose	100gm
10. Lactose	500gm
11. Maltose	100gm

Requirements of Glass goods, Laboratory items & Instruments:

Name of the Items	Make/ Equivalent make
1.Alpin	Standard Company
2.Blotting Paper	Whatman
3.Cover slip	Blue Star
4.Droper	Borosil
5.Large forceps	Standard Company
6. Compound Microscope	Olympus/Magnus or any Standard Company
7.Slide	Blue Star
8.Spirit lamp	Standard Company
9.Syringe	Dispo van or any Standard Company
10.Camera lucida	Standard Company
11. Dissection chart i. EARTHWORM ---nervous system and reproductive system , Nerve ring, septal nephridia , digestive system ii. COCKROACH — nervous system and reproductive system(male and female), salivary apparatus , digestive system iii. ROHU --- afferent and efferent branchial arteries, 9 <sup>th</sup> & 10 <sup>th</sup> cranial nerves , brain and pituitary iv. APPLE SNAIL—nervous system and digestive system )	Biosco or any Standard Company
12.Centrifuse	Remi or any Standard Company
13.Electrical Balance	Any Standard Company
14.Hot air oven	do
15.Distilled water plant	do
16.Dissection tray	do



REQUIREMENTS OF SPECIMEN:

Name of the specimen	Make/ Equivalent make
1. <i>Cirrhinus mrigala</i>	Biosco or any Standard Company
2. <i>Elphidium sp.</i>	Do
3. <i>Physalia sp.</i>	Do
4. <i>Chaetopterus sp.</i>	Do
5. <i>Hippa sp.</i>	Do
6. <i>Eupagurus sp.</i>	Do
7. <i>Carcinoscorpius sp</i>	do
8. <i>Peripatus</i>	do
9. <i>Belostoma sp.</i>	Do
10. <i>Chiton sp.</i>	Do
11. <i>Aplysia sp.</i>	Do
12. <i>Astropecten sp.</i>	Do
13. <i>Hirudinaria sp.</i>	Do
14. <i>Myxine sp.</i>	Do
15. <i>Hippocampus sp.</i>	Do
16. <i>Echinus sp.</i>	Do
17. <i>Ichthyophis sp.</i>	Do
18. <i>Axolotl larva</i>	do
19. <i>Cryptobranchus sp.</i>	Do
20. <i>Hyla sp.</i>	Do
21. <i>Vipera sp.</i>	Do
22. <i>Hydrophis sp.</i>	Do
23. <i>Pycnonotus sp.</i>	Do
24. <i>Halcyon sp.</i>	Do
25. <i>Dinopium sp.</i>	Do
26. <i>Hispa sp.</i>	Do
27. <i>Leucinodes sp.</i>	Do
28. <i>Labeo rohita</i>	do
29. <i>Mugil parsia</i>	do
30. <i>Tanymecus indicus</i>	do
31. Termite	do

REQUIREMENTS OF SLIDE SPECIMEN:

ITEMS	Make/ Equivalent make
1. LYMPH GLAND	Biosco or any Standard Company
2. BURSA OF FABRICIOUS	do
3. CHICK EMBRYO 72 hrs.	do
4. BLASTULA OF FROG	do
5. ADRENAL GLAND	do
6. <i>Paramoecium sp.</i>	Do
7. <i>Giardia sp.</i>	Do

DEPARTMENT OF NUTRITION

LIST OF CHEMICALS

Name of Chemicals		Unit	Make/ Equivalent make
1. Benedicts Quantitative Reagent		500ml	SRL
2. Benedict Qualitative Reagent		500ml	SRL
3. Conc. Sulphuric Acid		500ml	MERCK
4. Sodium Bicarbonate		100ml	SRL
5. Iodine Powder		50gm	Standbio
6. Potassium Permanganate		250gm	Merck
7. Metaphosphoric acid		500 gm	Merck
8. Leishman Stain		250 ml	Merck
9. Ethanol		500 ml	Merck
10. Silver nitrate pure		25gm	Merck
11. Molish reagent		125 ml	NICE
12. MILLONS REAGENT		125 ml	Merck
13. Ammonium hydroxide		500gm	SRL
14. Ammonium sulphate		500gm	Merck
15. Sucrose		500 gm	MERCK
16. Olive oil		100 ml	Merck
17. Starch soluble		500 gm	Merck/ srl
18. Peptone		500 gm	Merck/ srl
19. 2,6-Dichlorophenol Indophenols'		5 gm	Merck/ srl
20. Ascorbic acid		100 gm	Merck/ srl
21. Bile salt		100 gm	Merck/ srl
22 Bile pigment			Merck
23. Barium chloride		500gm	Merck/ srl
24. L- Tryptophan		100 gm	Merck/ srl
25. Tristearin,		500 gm	Any Standard Company

List of Instruments & Glass goods :

Name of instrument	Unit	Make/ Equivalent
1. Reflex condenser	1	Any Standard Company
2. Boiling Water bath thermostat inner	12''x8''x6''	EI
3. Centrifuge Machine with speed student	1	Doctor/Remi
4. Centrifuge tube,	1 Set	Borosil
5. Skin fold caliper	1	Hindustan
6. Measuring tape	50 m	Good quality
7. Stethoscope	1	Diamond
8. Sphygmomanometer dial type	1	Japan
9. Anthropometric rod	1 box	Good Quality
10. Sterile niddle	1 box	Dispo van
11. Blank slide	1 box	Blue star

12. Pipette	5 ml 10 ml 1 ml	Borosil
13. Burette with burette stand	50 ml 25 ml	Borosil
14. Capillary tube	1 box	GQ
15. Volumetric flask	100 ml	Borosil
16. Filter paper	11 cm	VIVA
17. Tongs	1	Any Standard Company
18. Measuring cylinder	100 ml 50 ml	Borosil
19. Test tube holder	1 box	Any Standard Company
20. Glass bottle	100 ml	Borosil
21. Freeze stand	1pc	Any Standard Company
22. Conical flask	50 ml 100 ml 250 ml	Borosil
23. Beaker	50 ml 100 ml 250 ml 500 ml	Borosil
24. Incubator S.S(DIGITAL SIZE)	15"x15"x18"	EI

#### LIST OF PREPARED SLIDES

Name of slides	Make/ Equivalent Make
1. Supra renal gland	Biosco or Any Standard Company
2. Tongue	do
3. Pancreas	do
4. Large intestine	do
5. Cerebellum	do
6. Esophagus	do
7. Stomach	do

**DEPARTMENT OF GEOGRAPHY**

Sl. No.	Name of the instruments	Make/ Equivalent Make
1	Weather station (total) at least measuring 6 climatic parameters	Any Standard Company
2	GPS	do
3	Barometer	do
4	Theodolite with stand	do
5	Dumpy level with stand	do
6	Prismatic compass	do
7	Infiltrometer	do
8	Total station	do
9	Digital water testing kit	do
10	Globe	do
	Smart class equipment	Make/ Equivalent Make
1	HP Laser jet M1005 MPF cartridge	HP
2	Colour printer	HP/ DELL/ CANON
3	Projector (hanging mode)	SONY OR EQUIVALENT
4	Sound system	AHUJA/SONY
5	Projector Table	Any Standard Company
6	Smart board	DO
7	Graph board	DO
8	Rolling map board (West Bengal, India and world)	DO
9	Pen drive	HP/KINGSTON
10	Modem	Any Standard Company
11	Digital clock with weather parameter	DO
12	Laser pointer	DO
13	Wireless microphone	DO
	Teaching equipment	Make/ Equivalent Make
1	3D models with glass cover (wall hanging)	Any Standard Company
2	3D maps with glass cover (wall hanging)	DO
3	Wall maps	DO
4	Toposheet with back lamination	DO
5	Cadastral maps of Goaltore G.P.	DO
6	Generating globe	DO
	Soil testing requirements	Make/ Equivalent Make
1	Barium Sulphate (Container no-3) 500 gram	Merck or Any Standard Company
2	Reagent for Soil Testing - Container no –I (250 ml)	Any Standard Company
3	Reagent for Soil Testing - Container no – II (250 ml)	do
4	Test tube washing Brush	do
5	Soil testing table (with tap and basin set)	do

Department of Physical Education  
Various sports equipments

Sl.No.	Description of Items/ Equipments	Make/ Equivalent Make	Rate to be Quoted
	Gymnasium Equipments		
1.	Motorized Tread Mill, T-6300, 5hp Motor	Any Standard Company	Per Pc.
2.	Motorized Tread Mill, T-9001, 5hp Motor	Do	Per Pc.
3.	Motorized Tread Mill, T-9002, 7hp Motor	Do	Per Pc.
4.	Spin Bike, HI- 3039,Steel Body, Red & Black Colour	Do	Per Pc.
5.	Vibrator (Belt),HL Craxy fit,AHS-EF-108C	Do	Per Pc.
6.	Vibrator (Body Shaking), HL Craxy fit,AHS-EF-108C	Do	Per Pc.
7.	Ab Work Machine, HL-SMEW Heavy Duty (80x40) Pipe	Do	Per Pc.
8.	Hyper extension, HL-SMEW Heavy Duty (80x40) Pipe	Do	Per Pc.
9.	Adjustable Bench with Stand & Road, Heavy Duty (80x40)	Do	Per Pc.
10.	Ab circle Heavy Duty (80x40) Pipe	Do	Per Pc.
11.	Recumbent Bike, (Cycle), Cobra HL-Club Model	Do	Per Pc.
12.	Barbel plate (50kg.)With Stand,(Different, as per Photograph	Do	Per Pc.
13.	Skin fold caliper, As per International Standard	Do	Per Pc.
	Athletics Equipments		
1.	Discus (M), 2kg, Super Spin (Steel Rim) Lo-Spin, Nelco, N1107A	Do	Per Pc.
2.	Discus (W), 1kg, Super Spin (Steel Rim) Lo-Spin, Nelco, N1107CE	Do	Per Pc.
3.	Javelin (M),800gm.Aeroflot(Fiber)Red,Yellow,Green,Black  Nelco, N1111A	Do	Per Pc.
4.	Javelin (W) 600gm.Aeroflot(Fiber)Red,Yellow,Green,  Black,Nelco, N1111C	Do	Per Pc.
5.	Javelin Stand, Javelin Cart,Nelco	Do	Per Pc.
6.	Shot- Put (M) 7.260Kg.Stainless Steel Shot/ SteelShot (Orange) Nelco- N1119DT	Do	Per Pc.
7.	Shot- Put (W 4Kg.Stainless Steel Shot/ Steel Shot (Orange)	Do	Per Pc.

Sl.No.	Description of Items/ Equipments	Make/ Equivalent Make	Rate to be Quoted
	Nelco- N1119H		
8.	Relay Batton, 8 Different Colour (Nelco N11132A/B)	Do	Per Pc.
9.	Toe Board, wooden (International size & thickness with white colour) (Nelco, N1120G)	Do	Per Pc.
		Do	
	Badminton Equipments	Do	
1.	Badminton Mobile Post (Model no. LS5040SCM Mobile Post Set as per International Standard (Nelco)	Do	Per Pc.
2.	Badminton Racket, GR303, as per International Standard & Weight (Yonex/Carbonex 7000, Silver)	Do	Per Pc.
3.	Badminton Net, cotton 4 ply (Nivia/Yonex)	Do	Per Pc.
	Cricket Gears & Equipments	Do	
1.	Bat (SS Ton / Kokaburra) T45 Super	Do	Per Pc.
2.	Batting Pad (Club-SG)	Do	Per Pc.
3.	Batting Gloves (VS-319 Spark) SG	Do	Per Pc.
4.	Keeping Pad (League, SG)	Do	Per Pc.
5.	Keeping Gloves with Inners (RSD Prolite-SG)	Do	Per Pc.
6.	Armed Guard (SG Super Test)	Do	Per Pc.
7.	Folding Wicket with Stand (Plastic), PVC (Flash)	Do	Per Pc.
8.	Wicket (Wooden), Club (SG)	Do	Per Pc.
9.	Helmet, Aero-shield/Poly Fab (SG/Masuri)	Do	Per Pc.
	Football Equipments		
1.	Net (Dolphin)	Do	Per Pc.
2.	Changing Board, Manual (PAB)	Do	Per Pc.
3.	Corner Flag, Bi-Colour Red & Yellow (as per International Size) (Olympia)	Do	Per Pc.
4.	Lines Man Flag, Bi-Colour Red & Yellow (as per International Size) (Olympia)	Do	Per Pc.

Sl.No.	Description of Items/ Equipments	Make/ Equivalent Make	Rate to be Quoted
	Other Equipments	Do	
1.	Carrom Board with wooden Stand & Wooden coin and Striker, Standard Match Board (44") (SMEW)	Do	Per Pc.
2.	Yoga Mat Rubber (6.5' X 4') (SMEW)	Do	Per Pc.
3.	T.T. Board with 4 Pcs BAT & 2 Box Ball 1000DX (STAG)	Do	Per Pc.
4.	Chess Clock, Fide Approved DGT Chess Clock (DGT-2010)	Do	Per Pc.
5.	Mini Mike Set, 2 Single Speaker Box, 1 250W machine, 3 Microphone with stand 1, DVD (Ahuza)	Do	Per Pc.
	Minor Game Equipments		
1.	Ludo Big Size (20 nos)	Do	Per Pc.
2.	Bagaduli Big Size (20 nos)	Do	Per Pc.
3.	Chinese Checker Set Big Size (20 nos)	Do	Per Pc.
4.	Flying Disk – medium & various colour (20 nos)	Do	Per Pc.
5.	Chess Board Set (International, Cloth Mount) (20 Nos)	Do	Per Pc.
6.	Skipping Plastic & Cotton (20 Nos.)	Do	Per Pc.
7.	Swiss Ball (6 Nos)	Do	Per Pc.
8.	Torch (Mashal) Brass with wooden handle (1 Nos.)	Do	Per Pc.
9.	Torch (Mashal) Steel with wooden handle (10 Nos.) (SMEW)	Do	Per Pc.
10	Tape-50 Mts.( 2 Pieces)	Do	Per Pc.

Computer Materials

Sl.	Items	Make	Rates per pc
1.	Computer a. CPU b. Monitor c. Motherboard d. Hard Disk e. D.V.D writer f. RAM g. Cabinet h. UPS	Intel Ib (4 <sup>th</sup> Gen) 18.5'' (LG/Samsung/dell/hp) Gigabite 500Gb (W.D/Seagate) LG 4 GB (Starlite) iBall iBall	Per set
4.	Laptop	HP i5 notebook (model No – ac 101TU)	Per set
5.	Sound System	Ahuja / Sony	Per set
6.	Total security anti-virus	Quick Heal (30 users)	Per Pc.
7.	Library Software	Sole	Per Set
8.	LCD PROJECTOR	Sony (Model Range from Rs.25,000/- to 1 lac)	Per Set
9.	Intercom telephone connection for twenty departments having a distance of one hundred meter.	Server for twenty departments, receiver, cable of good quality	Per Set
10.	CCTV Camera and accessories for twenty departments having a distance of one hundred meter.	Server, Camera, Monitor for twenty departments, receiver, cable of good quality	Per Set
11.	Printer (Laser jet)	Cannon (Model Range from Rs.5,000/- to 50,000/-)	Per set
12.	Cartridge	HP Laser jet M 1005 MFP, HP Laser jet P 1008, LBP 2900 Canon, TVS – MSP 250 star, HP 12A or equivalent any standard company	Per set
13.	Photocopier	Canon/ Modi or Any standard company (Model Range from Rs.30,000/- to 1 lac)	Per set
14.	Cartridge for Photocopier	Canon Model No. 2420, or Any standard company	Per set
15.	Think line PC	HP / Dell / Intex / Lenovo	
16.	Bar Code Printer	TVS (Model Range from Rs.10,000/- to 30,000/-)	
17.	Bar Code Scanner	TVS (Model Range from Rs.2,000/- to 10,000/-)	
18.	Money counting machine	Godrej (Model Range from Rs.5,000/- to 30,000/-)	

Refrigerator : Whirlpool/ Voltas/Kelvinator or equivalent (120 lit)

Electric kettle : Havells/ Philips or equivalent (Vol. Max. 1 lit.)



## Building Materials (For 'B' Block)

### Materials to be supplied (Wooden) :

1. Bench Specification: 200 pcs. [Upper Portion: Height: 30"; Width: 36"; Depth:30" ]  
[Upper Portion: Height: 18"; Width: 36"; Deapth:30"]
2. Desk Specification: 100 pcs. [Height: 36"; Width: 22"; Deapth:22"]
3. Wooden Bench (Black siris): 412 pcs. [Length:6'; Width:12"; Thickness:1"]  
  
Akasmoni Wood: 500 pcs. [Length:5'; Width:2"; Thickness:2"]  
200 pcs. [Length:3'; Width:2"; Thickness:2"]  
250 pcs. [Length:5'; Width:2"; Thickness:1"]  
40 pcs. [Length:6'; Width:4"; Thickness:1.25"]  
90 pcs. [Length:6'; Width:7"; Thickness:1"]  
Choola Wood: 550 pcs. [Length:6'; Width:3"; Thickness:1.25"]  
: 100 pcs. [Length:6'; Width:7"; Thickness:1"]

### Materials to be supplied ( Fiber) :

1. Fiber: thickness min. 5mm Rate to be quoted per sqft.

### Materials to be supplied (Floor & wall) :

1. Partex or floor Tiles : Rate to be quoted per Pc. (1ft X 1ft)
2. Tiles : Rate to be quoted per Pc. (2ft X 2ft)

### Materials to be supplied (Other construction materials) : Rate to be quoted

1. Grill (Shyam Steel per quintal)(gauge-15/16 and others)
2. Cement (ACC/ Ambuja/ Lafarge (Duragard/concreto)) : Per Bag
3. Sand (per 100 cft.)
4. MS steel Rod (with different diameter/quintal)
5. Clay Bricks (Special quality) per 1000 pcs
6. Fly Ash Bricks (Special quality) per 1000 pcs
7. Nails per quintal
8. Binding wire – Per quintal
9. Polythene – Per Kg.
10. White cement : Birla White or equivalent.
11. Paint : (Asian Paint, Burger, Nerolac etc) rate to be quoted per Lt.
12. Labour charge: Rate to be quoted per sqft-per layer of building, grill, door & window (Outer and Inner walls to be separately quoted) .

### Materials to be supplied ( Pipe Line work) : Rate to be quoted

1. 2" Pipe
2. 2" Elbow
3. 2" Tee
4. 2" socket
5. 2" union
6. 2" Bal valve
7. 2" M T A
8. 2" × 1 ½" R/Buse
9. " 1 ½" pipe
10. " 1 ½" elbow
11. " 1 ½" Tee
12. " 1 ½" Ball valve
13. " 1 ½" × 1" Bush
14. 1" Pipe
15. 1" Elbow
16. 1" Tee
17. 1" Socket
18. 1 ½" Socket
19. 1" × ¾" R/Bush
20. ¾" Pipe
21. ¾" Elbow
22. ¾" Tee
23. ¾" Socket
24. ¾" × ½" B/elbow
25. ¾" × ½" B/Tee
26. 1" × ½" B/Elbow
27. 1" × ½" B/Tee
28. ¾" MTA
29. ¾" Open Shower stop cock
30. ½" Bip cock
31. ½" Angular stop cock
32. Overhead Shower
33. ½" Connecting pipe
34. ½" Pillar cock
35. Basin west
36. west pipe
37. 18"×12" Basin
39. 4" siphon

#### List of Electrical Goods

Sl No	Items	Make/ Equivalent Make	Rates per pc
1.	Fan (Pedestal) 48"	Polar/ Crompton/Orient/Khaitan/Hav ells or any standard company	Per set
2..	Wall Fan	Do	Per set
3	Tube Light set	Do	Per set
4.	Wall Clock	Any standard company	Per set
5.	CFL Bulb	Do	Per Pc.
6.	Caching	Pestoplas	Per Pc.
7.	Switch 5 amp	Anchor	Per pc.
8.	5-Pin Socket	Anchor	Per pc.
9.	16 amp Switch & Socket Set	Havells	Per pc.
10.	Regulator Switch Type	Anchor	Per pc.
11.	Wire 4.0/2.5/1.5/1.0/0.75 mm	Finolex	Per coil

12.	Tube Light Set 4'	Philips/Halonix	Per set
13.	Electronic Choke	Philips/ Halonix	Per pc.
14.	Tube Light 4'	Philips	Per pc.
15.	P.V.C Tape	Any standard company	Per pc.
16.	Holder Angle & Buttam	Anchor	Per pc.
17.	Caching Board cutting 4*10/4*6/3*3	Pestoplas	Per pc.
18.	Caching Board 4*4	Pestoplas	Per pc.
19.	Flexible Pipe 19 mm	Any standard company	Per roll

#### List of Furniture

Sl No	Items	Make/ Equivalent Make	Rate per pc
1.	Almirah (6.5'')	Godrej/Khaitan or any standard company	rate per pc
2.	Chair	Do	Do
3.	Table	do	do
4.	Projector Table	do	do
5.	Computer Table	do	do
6.	Map Stand	do	do
7.	Wall Magazine Board(Glass cover)	do	do
8.	Students Notice Board (Net cover)	do	do
10.	Felt Board	do	do
11.	White Board(7'/4') & (8'/4')	do	do
12.	Screen with Stand	do	do
13.	Glass (6mm, 8mm, 10mm, 12mm)	do	Per sqft
14.	Sponge sheet for table	Do	Do
15.	Almirah (as book self) 6'5''	Do	rate per pc
16.	Map stand (iron made)	Do	do
17.	Tracing table	Do	do
18.	Topo sheet table (with drawer)	Do	do

#### List of Departmental Stationary Goods

Sl.	Items	Make	Rates/Per pieces
1.	Paper weight	Any standard company	rate per pc
2.	Whitener	do	do
3.	Gum tube	do	do
4.	Cover file	do	do
5.	Stock Book	do	do
6.	Ink Pad	do	do
7.	Stapler (Big & Small)	do	do
8.	Chalk (white and colour)	do	Rate per box
9.	Duster	do	do
10.	Dust bin	do	rate per pc
11.	Steel Scale	do	do
12.	Pencil	do	rate per box
13.	Ruler	do	rate per pc

14.	Markers (Black)	do	do
15.	Markers (Blue)	do	do
16.	Markers (Red)	do	do
17.	Pen (Black)	do	do
18.	Pen (Blue)	do	do
19.	Pen (Green/ Red)	Reynolds Trimax / Uni Click Gel	do
20.	Note Book	do	do
21.	A 4 Paper (Photocopier)	do	Rate per rim
22.	A 3 Paper	do	do
23.	Legal Paper	do	do
24.	Envelope (Big, Medium, Small)	do	Rate per bundle
25.	Stapler pins (Small & Large)	do	Rate per box
26.	Pen Stand	do	Rate per pc
27.	Harpic (floor & Toilet cleaner)	do	do
28.	Computer Cover	do	do
29.	Table Cover	do	do
30.	Wall Magazine Board	do	do
31.	Printer Cover	do	do
32.	Punch machine	do	do
33.	Curtain	do	Rate per mt
34.	Wall Clock	Ajanta/ Orpat	Rate per pc
35.	Water bottle	do	do
36.	Paper cutter	do	do
37.	Stickers	do	
38.	Liquid soap for hand wash	do	Rate per pc
39.	Plastic tray	do	do
40.	Graph paper-(mm )	do	do
41.	Room freshener	do	do
42.	Register No-2 No-3 No-4 No-5 No-6 No-7 No-8 No-9 No-10	do	do
43.	Attendance Register(Student) No-2 No-3 No-4 No-5 No-6 No-7 No-8	do	do
44.	Attendance Register(Teacher)	do	do
45.	Stock Register	do	do
46.	Quotation Register	do	do
47.	Work order Register	do	do
48.	Knife	do	do
49.	Carbon Paper	do	do
50.	Leave Register	do	do
51.	Towel	do	do

52.	Notice book (Large)	do	do
53.	Bucket	do	do
54.	Mug	do	do
55.	Brush (for Toilet clean)	do	do
56.	Phenyl	do	do
57.	Washing powder	do	do
58.	Full Jharu	do	do
59.	Wooden Scale 12”	do	do
60.	Arch file	do	do
61.	Pen stand	do	do
62.	Rubber Stamp	-	Rate per letter
63.	Coconut broom	do	Rate per Pc.
64.	Highlighter (4 colour)	do	do
65.	Table Cleaner Cloth	do	do
66.	Cup Plate	do	do
67.	Tag suta	do	do
68.	Good knight (Active oil)	do	do
69.	Good knight (Active machine)	do	do
70.	Triangle pin	do	do
71.	Pen drive (8 GB, 16 GB, 64 GB)	Kingston /HP	Per Pc.
72.	Gems clip	do	do
73.	Knife	do	do
74.	Blade	do	do
75.	Scissors (small & Big)	do	do
76.	Paperweight	do	do
77.	Table basket	do	do
78.	Gum (bottle and tube)	do	do
79.	Fevicol	do	do
80.	Fevikwik	do	do
81.	Cellotape (1/2”, 1’, 2’)	do	do
82.	Cellotape machine	do	do
83.	Hand wash machine (Dettol)	do	do
84.	Sponge cushion for chair	do	do
85.	Fevisticks	do	do
86.	Buckets	do	do
87.	Water jug	do	do
88.	Dining plate (Set)	Milton / la opala	do
89.	Flask (2, 5 Lt.)	Eagle	do
90.	Table Mat	do	do
91.	Glass cover	do	do
92.	Fountain Pen	do	do
93.	Pelican violet ink / Green ink	do	do
94.	Lock (12, 16, 18 liver)	Linc / Godrej	do

## Printing

1. Identity Card for Students – laminated printed with or without cover – PAN Card size
2. Printing of certificates- A4 size –Normal paper , executive bond paper
3. Printing of visiting cards.
4. Binding of official documents like register, books etc. - Normal