

# STANDARD BIDDING DOCUMENTS

## SUPPLY OF LAB EQUIPMENTS & CHEMICAL



Samtse College of Education

Samtse, Bhutan

2023



Royal University of Bhutan

འབྲུག་རྒྱལ་འཛིན་གཙུག་ལག་སློབ་མེ  
SAMTSE COLLEGE OF EDUCATION



Ref: 37/SCE-Quot /2023-2024/ 29

Date: 6<sup>th</sup> July 2023

The General Manager  
Advertisement Division  
Kuensel Corporation  
Thimphu.

Sir/Madam,

The undersigned would like to request your office to kindly publish the following notice inviting tender in your newspaper dated 7<sup>th</sup> July 2023 and bill may be sent to us for payment:

**SAMTSE COLLEGE OF EDUCATION**  
**NOTICE INVITING TENDER**

Samtse College of Education is pleased to invite sealed tender from the eligible license holders for the supply and services of the following items for the financial year 2023-2024.

Sl. No	Particulars
1	Supply of Stationery items
2	Supply of Hardware, Electrical & Plumbing items
3	Supply of Games & Sports items
4	Supply of IT equipment & Accessories
5	Supply of Science laboratory equipment & chemical
6	Supply of Vegetables, Grocery and Meat items
7	Supply of Library Books

The bidding documents can be downloaded from our website <http://www.sce.edu.bt> of Samtse College of Education. The last date for submission of tender is 27<sup>th</sup> July 2023 at 12:00 PM and it will be opened on the same day at 2:30 PM.

For any further inquiry, please contact Administrative Section at 05-365273, during working hours.

**President**

Yours sincerely,

(Rinchen Dorji, PhD)

**PRESIDENT**



: 05 365391(President) 365274 (Adm) 365273 (Office) 365363 (Fax) P.O Box No. 329

Visit us at [www.sce.edu.bt](http://www.sce.edu.bt)

<b>1</b>	<b>Package</b>	<b>3</b>
<b>2</b>	<b>Quotation</b>	<b>Supply of Lab Equipments and Chemical</b>
<b>3</b>	<b>Last date of submission</b>	<b>27<sup>th</sup> July,2023 at 12pm</b>
<b>4</b>	<b>Place of submission</b>	<b>Office of Store In-Charge</b>
<b>5</b>	<b>Date of opening</b>	<b>27<sup>th</sup> July, 2023 at 2.30pm</b>
<b>6</b>	<b>Place of opening</b>	<b>Conference Hall</b>
<b>7</b>	<b>EMD</b>	<b>Nu. 12000 (Twelve Thousand only)</b>



# Supply of Lab Equipment's & Chemicals2023-2024

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## TERMS AND CONDITIONS

1. The rates quoted shall be CIF Samtse College of Education for the supply of Lab equipment items. Generally, the rates quoted shall be inclusive of all charges/levies/taxes which the suppliers shall bear.
2. The quotation should be accompanied by the valid trade license issued by the Ministry of Economic Affairs and the Tax Clearance Certificate issued by the Department of Revenue and Customs, Royal Government of Bhutan, as the enclosure. Quotation without a valid trade license and tax certificate as enclosure shall be rejected.
3. The tender shall be accompanied by an application to the PRESIDENT, Samtse College of Education.
4. Sealed envelopes containing the quotation shall be marked **Original** and **Duplicate** in separate envelopes. The quotation will be opened in the Conference Hall, Samtse College of Education on 24<sup>th</sup> July 2023 at 2.30 PM.
5. The rates quoted shall be valid for a period of 12 months from the date of quotation.
6. Goods should be supplied within 30 days from the date of issue of the purchase order.
7. Earnest money of Nu.12000.00 (Twelve thousand) only should be furnished in the form of Cash Warrant/Bank Draft/Unconditional bank guarantee in favour of the **PRESIDENT**, Samtse College of Education. Quotation without earnest money shall be rejected.
8. The College reserves the right to vary the quantity up to 10% on the same terms and conditions.
9. All equipment supplied must be as per the specification and any fake item noticed shall be rejected, returned at the supplier's cost and shall be dealt with as per Clause 18 of the terms and conditions.
10. The College reserves the right to reject all or any tender without assigning any reason.
11. If the supplier fails to supply the required quality and quantity of goods, the College Administration will forfeit the earnest money and terminate the contract without any explanation and the supply order will be given to the next evaluated lowest bidder.



12. Failing to submit the quotation within the submission dateline shall be declared as 'late' and rejected. The same would be returned unopened to the supplier.
13. The rules and regulations for the establishment and operation of Industrial and Commercial ventures must be adhered to with regard to the establishment of license ventures.
14. The rates should be quoted against the specification provided and failing to quote in conformity with the specification shall be disqualified for evaluation.
15. The purchaser shall not be responsible for any damage, loss or due incident that occurred during the transportation. The supplier will be fully responsible for making them good at his own cost.
16. The supplier should have a warranty of one year from the date of delivery.
17. The supplier should be able to supply the material immediately during the time of emergency and if the bidder fails to supply the required material the bidder shall bear the expenses to purchase from another supplier for the College, Samtse.
18. The committee will directly reject the tender if the supplier supplies duplicate/fake or compromised material and the College Administration will forfeit the earnest money and terminate the contract without any explanation and the supply order will be given to the next evaluated lowest bidder.
19. If the selected bidder fails to supply the goods within the stipulated time, the liquidated damages of Nu.0.1% per day of the bill amount will be imposed.
20. Pursuant to the condition above, the second-lowest bidder at his quoted rate shall be asked to supply the goods after submitting performance security to the College Administration.
21. The performance security retained with the College shall be refunded to the concerned supplier after the completion of the supply of goods.
22. The College will process the bills for payment only upon complete delivery of the goods to the College.
23. Decision taken by the College Tender Committee will be final and binding.
24. In addition to the terms and conditions mentioned above, all other relevant regulations of the Procurement Manual 2009, shall apply where specific mention is not made.



### Physics Quotation 2023-2024

Sl.No	Items	Description and details(minimum specification of goods to be supplied)	QTY	Rate(NU)
1	Electronics hobby kits	Electronic Components Project Kit or Breadboard, Capacitor, Resistor, LED, Switch with Multimeter	Per No	
2	LED for electronics	LED Light Emitting Diodes LED Lamp Kit 5 Colors 5mm(300Pcs ) Educational Electronic Hobby Kit	Per No	
3	dc motor kits	12V 7000-14000 RPM DC Motor Kit with 6-Pieces Small Electronic and Cylindrical, 2-Piece6-9 V and 2-Piece 3-9V Dual Shaft Toy DC Motor	Per No	
4	water pump kits	Submersible Mini water pump DC 3-9v for DIY Science Projects with 9v, AA Holder, Switch and pipe complete set	Per No	
5	Portable sun photometer	Hanna HI96713C Phosphate LR Portable Photometer	Per No	
6	sunlight meter	SunKnown UV light photometer calculates the sun's UV Index using its internal sensor and algorithm, combining both solar UVA and UVB in a single measurement.	Per No	
7	New simple closed circuit experiment box	It include single-pole double throw switch 3pcs. 5 battery case 6pcs. Light bulb holder 3pcs. U shape wire 10 pcs. Thickend package box and manual book.	Per No	
8	Digital Multimeter set	capable of measuring AC/DC voltage up to 1000 volts 4,AC/DC current up to 10Amperes 5,resistance up to 50 Mega Ohm 6 and measuring frequency up to 100KHz 7 with manual book and all accesories.	Per No	
9	seismometer	sensitive instrument that can detect waves emitted by even the smallest earthquakes.	Per No	
10	Bar Magnet	chrome steel in pairs with keepers 5cm long, good quality	Per Pairs	
11	Gold leaf electroscope	used for detecting and measuring static electricity or voltage.	Per No	



12	solar cell with motor	it consists of a simple puley,dia: 16mm and capable of raising a mass of at least 4g. PE-237/17535	Per No	
13	Spring balance tubular plastic set of six SV193	Made of Transparent acrylic pipe. Spring mechanism is clearly visible. Provided with zero adjustment and two hooks. Scaled and calibrated in both grams and newtons. Capacity 250gm/2.5N Blue, 500gm/5N Green, 1000gm/10N Biege, 2kg/20N Red, 3kg/30N White & 5kg/50N Yellow.	Per No	
14	Polarization of light and verification of malus law SK045	it consists of the following items: <b>He-Ne laser, Optical bench-1.5m,Connecting leads pair 1m,Digital multimeter, Polarizer / Analyzer -2 Nos, Transverse saddle,Photo detector,Flexible plug lead red,Flexible plug lead black.</b>	Per No	
15	BIOT SAVART'S LAW SK022	it concists of the following items: <b>Optical bench,Set of 3 circular loops with holders ,Power supply 0-30 V DC, 0-20 A ,Gauss meter with axial probe ,Flexible plug lead (100 cm)-red ,Flexible plug lead (100 cm)- black ,Saddle ,Saddle with micrometer.</b>	Per No	
16	FARADAY'S LAW & INDUCED E.M.F SED1003	it concists of the following items: <b>Einstien LabMate+,Einstein Voltage Sensor, Support Base, Support Rod, Three Fingle Clamp -2 Nos , Bosshead -3 Nos, Coil N=700, L=75mm, Dia=32mm, Coil N=1150, L=75mm, Dia=32mm, Cylindrical Magnet, Tube 300mm,Digital Timer, Photogate.</b>	Per No	
17	Free Fall apparatus sk021	it concists of the following items: <b>g' by free fall,Digital Timer with photogate pair, Steel Ball,Solenoid interface, Electromagnet,Picket fence ten slits,L Picket,Lead, Black (200cm), Lead, Red (200cm),Pendulum bob (Brass),Pendulum bob (Iron), Pendulum Support -2 Nos,Thread Reel.</b>	Per No	
18	Projectile motion SK088	it concists of the following items: <b>Projectile Launcher,Digital timer with photogate pair .</b>	Per No	



19	Timing Ball SV684	Device that records time of flight from moment of release of ball to the moment of impact (on ground or object). It can be used to conduct a number of experiments involving acceleration due to gravity (g).	Per No	
20	colour mixture SV195	it consists of the following items: <b>color mixer control box, Power adaptor, Six leds in circular frame, Circular frame with hole, Circular frame screen, U-channel bench 50cm, Object rider-3 Nos, Instruction manual.</b>	Per No	
21	Plank's constant by Cs photocell SK054	It consists of the following items: <b>Power Supply 12V AC/DC 5Amp, Photocell, Mercury Light Source, Convex lens in holder, Iris Diaphragm, Set of Color Filters (Indian/Imported), Electrometer Amplifier, Capacitor, 100 pF, 630 V, Push Switch module, Digital multimeter, Optical bench, Transversal Saddle, Flexible plug lead red (50 cm), Flexible plug lead black (50 cm), Flexible plug lead Yellow (100 cm), Flexible plug lead Yellow (50 cm)-2 Nos, Flexible plug lead black (100 cm), Flexible plug lead Red (100 cm), Earthing Lead.</b>	Per No	
22	Thermal and electrical conductivity of metals SK068	It consists of the following items: <b>Conductivity rod Cu, Conductivity rod Al, Calorimeter Vessel, Calorimeter Vessel with rod holder, Laboratory jack, Digital weighing balance, Immersion heater, Temperature sensor -3 Nos, Data Logging Interface, Three finger clamp-3 Nos, Support base (Cat no. SH319+SH317)-1+1 No, Support rod (Cat no. SH323+SH316)-1+1 No, Bosshead-5 Nos, Power supply 20Amp, Microvoltmeter, Connecting lead- 4Nos, Glass beaker.</b>	Per No	





23	Specific Heat of Solids SK051	It consists of the following items: 'A' shaped base, Three finger clamp ,Dewar Flask ,Bosshead-2 nos, Rod (0-50cm),Steam Chamber ,Beaker ,Copper-C9823 -1 No, Lead-R8211 -1 No,Glass-R8222 -1No,Round Bottom Flask ,Rubber cork - 2Nos, Spirit Lamp ,Digital Thermometer ,Digital weighing scale ,Silicone Tubing,1.5m .	Per No	
24	Laser Ray Kit SV144A	It consists of the following items: Diode laser box ,Power adaptor ,Beam selector,Human eye sheet,Photo camera sheet,Galilean telescope sheet,Kepler telescope sheet,Spherical aberration sheet,Periscope sheet,Hartles circle sheet,Bi-convex lens no 1,Bi-convex lens no 2, Bi-convex lens no 3,Bi-convex lens no 4,Bi-concave lens no 5, Plane convex lens r=45mm,Plane convex lens r=75mm, Plane concave lens, Concave mirror,Convex mirror,Plane mirror,Rectangular slab, Prism, Optical Fiber,Magnetic board, Instruction manual..	Per No	
25	LED Array Kit SA028	It consists of the following items: LED Array,Power Adopter 5V DC,Diffraction grating,Connecting lead -4 Nos, Multimeter -2Nos, Instruction manual.	Per No	
26	Champion Sports Open Reel Measure Tape	100 ft, 30 Meters, with Metal Spike, Hand Crank-Open Tape Measure for Track and Field, Long Jump - Durable, Dual-Sided Measuring Reel with Feet and Meter.	Per No	



27	Mechanics Kit SH305	It consists of the following items: <b>Base Support -2 NO, Rod 35cm -2NO, Rod with hole 40cm ,Rod 25cm , Rod 50cm- 2 Nos ,Connecting rod ,Double scale with bosshead (mm) ,Bosshead-4 Nos ,Beam balance with needle pointer ,Pan with hook-2 NOS ,Solid aluminium cylinder ,Beaker 250ml ,Graduated cylinder 100ml ,Archimedes bucket ,Weight box ,A scale with clip ,S-shaped hook-2Nos , Dynamometer 1.5N ,Dynamometer 3N, Friction wooden block,Digital watch, A spring 1N,A spring 2.5N,A pair of indicator,A aluminum parallelogram,Meter tape,A thread 10m,Trolley Plash,Instruction manual.</b>	Per No	
<b>Consumable items.</b>				
1	Crooke's Radiometer/light mill.	Consists of an airtight glass bulb containing a partial vacuum, with a set of vanes which are mounted on a spindle inside. The vanes rotate when exposed to light, with faster rotation for more intense light, providing a quantitative measurement of electromagnetic radiation intensity.good quality.	Per No	
2	concave mirror	focal length 15 cm	Per pcs	
3	concave mirror	focal length 20 cm	Per pcs	
4	convex mirror	focal length 20 cm	Per pcs	
5	convex mirror	focal length 15cm	Per pcs	
6	convex lens	focal length 12cm	Per pcs	
7	convex lens	focal length 10cm	Per pcs	
8	concave lens	focal length 10cm	Per pcs	
9	concave lens	focal length 15cm	Per pcs	
10	Spiral spring	Used to store energy and subsequently release it, to absorb shock, or to maintain a force between contacting surfaces. They are made of an elastic material formed into the shape of a helix which returns to its natural length when unloaded.	Per No	
11	Torch bulb holder		Per No	



12	Breadboard		Per No	
13	Meter scale	50cm hard wood.	Per pcs	
14	Meter scale	100cm hard wood.	Per pcs	



### Chemistry Quotation 2023-2024

Sl.Nos	Name		Specifation	Rate (NU)	Remarks
<b>CONSUMABLE ITEMS</b>					
1	Methyl red indicator	500ml	MERCK		
2	Brucine Sulfate	500g	MERCK		
3	Ethanol	500ml	MERCK		
4	Diphenyl indicator	500ml	MERCK		
5	Petroleum ether	500ml	MERCK		
6	Potassium chloroplatinate	500g	MERCK		
7	selenium powder	500g	MERCK		
8	zironyl chloride ocahydrate	500g	MERCK		
9	Ferric sulphate	500g	MERCK		
10	Ferrion indicator	500ml	MERCK		
11	LAS	500g	MERCK		
12	Macroeticular resign	500g	MERCK		
13	Ammonium solution	500ml	MERCK		
14	Aluminium Chloride	500g	MERCK		
15	Zinc Chloride	500g	MERCK		
16	Methyl acetate	500g	MERCK		
17	Propionic acid	500ml	MERCK		
18	Aniline	500ml	MERCK		
19	Dimethyl Pheylamine	500ml	MERCK		
20	M-Dinitro Benzene	500g	MERCK		
21	Ether	500g	MERCK		
22	Manganous Sulphate	500g	MERCK		
23	Potassium iodate	500g	MERCK		
24	Sodium sulphide	500g	MERCK		
25	Eolochrome Black T	500ml	MERCK		
26	Siliver Sulphate	500g	MERCK		
27	Siliver Nitrate	500g	MERCK		



28	Ammonium Thiocyanate	500g	MERCK		
29	Ammonium dichromate	500g	MERCK		
30	Ammonium nitrate	500g	MERCK		
31	Ammonium chloride	500g	MERCK		
32	Aluminium nitrate	500g	MERCK		
33	Ammonium bicarbonate	500g	MERCK		
34	Ammonium chloride	500g	MERCK		
35	Copper sulphate	500g	MERCK		
36	Calcium powder	500g	MERCK		
37	Calcium nitrate	500g	MERCK		
38	Calcium chloride	500g	MERCK		
39	Magnesium Chloride	500g	MERCK		
40	Manganous chloride	500g	MERCK		
41	Zinc Sulphite	500g	MERCK		
42	Zinc Nitrate	500g	MERCK		
43	Felling solution B	500ml	MERCK		
44	Molish's Reagent	500ml	MERCK		
45	Nessler Reagent	500ml	MERCK		
46	Litmus solution red	500ml	MERCK		
47	Tollen's Reagent	500ml	MERCK		
48	Sodium thiosulphate	500g	MERCK		
49	Baurite ore	500g	MERCK		
50	Universal indicator solution	500ml	MERCK		
51	Iodine Solution	500ml	MERCK		
52	Nitric acid	500ml	MERCK		
53	Oxalic acid	500ml	MERCK		
54	Acetic acid	500ml	MERCK		
55	Methanol	500ml	MERCK		
56	Ferric sulphate	500g	MERCK		
57	Zinc Sulphate	500g	MERCK		
58	Zinc Nitrate	500g	MERCK		
59	Starch soluble	500g	MERCK		
60	Acetone	250ml/500ml	MERCK		



61	Molish's reagent	500g	MERCK		
62	Hydrogen Peroxide 30%	500ml	MERCK		
63	Sodium Hydroxide	500g	MERCK		
64	Phenol	500ml	MERCK		
65	Ammonium Hydroxide	500g	MERCK		
66	Litmus paper Red		100leaves per pack.		
67	Litmus paper Blue		100leaves per pack.		
68	Universal indicator paper		100leaves per pack.		
69	Strach paper		100leaves per pack.		
70	Hydrochloric acid	500ml	MERCK		
71	Iodine crystal	500g	MERCK		
72	Beryllium carbonate	500g	MERCK		
73	Potassium Iodide	500g	MERCK		
74	Copper sulphate	500g	MERCK		
75	Isoprophyl alcohol	500ml	MERCK		
76	2-Methylpropan-2-ol	500ml	MERCK		
77	Zinc sulphate	500g	MERCK		
78	Propanol	500ml	MERCK		
79	Sodium Hydrogen Sulfite	500g	MERCK		
80	Schiff's Reagent	500ml	MERCK		
81	Zinc Chloride	500g	MERCK		
82	Benzaldehyde	500ml	MERCK		
83	Acetaldehyde	500ml	MERCK		
84	Butanol	500g	MERCK		
85	Chlorobenzene	500ml	MERCK		
86	Glucose	500g	MERCK		
87	Iodobenzene	500g	MERCK		
88	Acetophenone	500ml	MERCK		
89	Bromobenzene	500ml	MERCK		
90	Chloroform	500ml	MERCK		
91	Sulphuric acid	500ml	MERCK		
92	Potassium Iodide Paper	per number	100leaves per pack.		
93	Universal Indicator Chart	per number	Good quality		



94	U-Tube	per number	Borosil for salt bridge		
95	Stirring rod	sets or per number	This Stirring rod is made of soft flint glass, with both ends fire-polished and rounded. Glass Stirring Rod 8".		
96	Silica crucible with lid	per number	Material: Silica, capacity: 50ml, Usage/Application: Chemical laboratory, Colour: White, Shape: Round, Packaging type: Box, Weight: 110g, Temperature: 700 to 1100 degree celcius, Height: 33mm.		
97	Beaker(Brosil)	per number	50ml		
		per number	20ml		
		per number	1000ml		
		per number	100ml		
98	Droppers(with graduation ,	per number	1ml		
		per number	10ml		
		per number	25ml		
		per number	5ml		
99	Pipette Filler	per number	10ml		
		per number	25ml		
100	Burette clamp	per number	<ul style="list-style-type: none"> <li>• Practical holder for anchoring burettes vertically on the support stand.</li> <li>• The volume scale remains clearly readable.</li> <li>• Moulded in Polypropylene making it completely corrosion proof</li> <li>• The spring loaded jack in the middle provides a vice like grip to the Burette and prevents it from slipping</li> <li>• Two tapered wedges are provided to ensure firm grip on rods having dia 1/2" or 3/8" (Ø 9,6 - 12,7 mm)</li> </ul>		
101	Clamps	per number	EISCO CH0688 Labs Clamp Retort, 3 PVC Coated Prongs (opens to 90mm in dia.) with Boss Head		
		per number	10ml		
		per number	25ml		



102	Volumetric flask	per number	50ml		
		per number	100ml		
		per number	500ml		
103	Nitrile Chemical Resistant Gloves	per number	Durable , Protection against chemicals, diesel fuel, petrol and oil, Good anatomical fit applied for maximum comfort, 3-4 times longer life-span than equivalent vinyl/PVC gloves.		
104	Burette	per number	Polycarb(plastic burette)		
105	Burette	per number	Brosil		
106	Measuring cylinder(brosil)	per number	5ml		
		per number	1ml		
		per number	50ml		
		per number	25ml		
107	Conical flask	number	250ml		
		number	100ml		
		number	500ml		
108	Copper Wire	rolls	Insulated with threat, 20mtrs length.		
109	Nichrome wire with loop	per number	Alloys of nickel and chromium, 10 pcs per packet.		
110	Digital Thermometer	per number	0.01°C Sensitivity		
111	Thermometer	per number	0.01°C Sensitivity		
112	Tygon tubing	per number	12mm daimeter and 10 meter length		
113	Aspirator	per number	Borosil		
114	Gloves	sets/pkt	Cut Resistant, Heat Resistant above 1500 degree celsius, Flame Resistant, Heat Preservation. Size : Free size and Wear type: full fingered.		
115	Crucible tong	sets/number	Stainless steel(50cm long)		
116	Kipps apparatus	per number	Kipps apparatus		
117	Filter paper	rolls	Size 20cm		





118	Calorimeter cup	Number	These styrofoam calorimeter cups (7.5 cm inside diameter, 10 cm deep) have 1.3 cm thick walls for excellent thermal properties. The lids have a hole for a temperature probe. Includes set of six cups with lids.		
119	Glass tough	Number	Borosil		
120	Ammeter	Number	Range from 0-5 amper		
121	Voltmeter	Number	Range from 0-5 volt		
122	Fire safety jacket for operating Muffle furnace.	Per n or sets	Heat resistance,Fire resistance,Woolen linen attached,Easy to wash,Do not bleach and Shrink resistance		
123	face shield for operating Muffle furnace.	per number	Size:53-63cm,Color: White,Blue,Green,Yellow,Orange,Material:High impact resistance ABS and Visor Polycarbonate,8"		
124	Spatula	sets or per numb	stainless steel(20cm long)		
<b>EQUIPMENTS</b>					
1	Ice box (medium size)		5ltrs		
		per number	10 Litre		
2	Digital Balance	per number	KERRO P7B, BL- 2204. Max: 220gm and Div- 0.1mg.		
3	Digital Multi meter set	per number	capable of measuring AC/DC voltage up to 1000 volts 4,AC/DC current up to 10Amperes 5,resistance up to 50 Mega Ohm 6 and measuring frequency up to 100KHZ 7.		
4	Magnetic stirrer	per number	Capacity: 2-5 L, max temp.: capable of operating upto 200 C(hot plate only),variable speed. Control cabinet finished: aluminium powder coated. Feature: included with hot plate. Complete accessories present .		
5	Fume hood	per number	A front window sash made up of tempered glass that acts as a shield for theoperator against hazardous aerosols. A stainless steel sink installed inside the hood which is resistant to the vapors, Colour: Various ,Size: 1200/1500/1800*800*2350mm		





### Biology Quotation 2023-2024

SL.NO	Particulars	Quantity	Specifications	Rate (NU)	Remarks
	<b>Equipments list</b>				
1	Ganong's Potometer	Per number	Borosilicate Glass		
2	Ganong's Potometer with wooden base	Per number	with strong wooden stand and borosilicate glass apparatus		
3	Centrifuge Round	Per number	Fitted with motor for vibration free performance & 5 step regulator. Elegant finish with powder coated paint. Works on 220V/230V AC . (15 mls x 8Tubes)		
4	Digital Blood pressure monitor	Per number	Automatic inflate, oscillometric, Liquid crystal Display. Rated cluff pressure: 0mmHg-300mmHg; Mesurement pressure: 40mmHg-230mmHg, Pulse value:( 40-199)times in minute.		
5	B.O.D incubator	per number	Outside made of mild steel with powder coated paint. Inside made up of aluminium/stainless steel. The double wall door with asbestos gasket lining is fitted on heavy brass cast chromium plated hinges and has a chromium plated latch type lock. Temperature can be controlled from few degree above ambient to 70°C by thermostat.Works on 220/230V AC supply with or without air circulating fan.	Sample	
6	Incubator		Outside made of mild steel with powder coated paint. Inside made up of aluminium/stainless steel with 2/3 shelves. Inside ccrylic glass door. Temperature is controlled with microprocessor PID digital temp. controller to get temperature from 5° to 60°±1° to work on 220/230V AC. Fitted with two air circulating fans.		



7	Hot plate with Magnetic stirrer	per number	1.5 m of mains cable and one each coated magnetic stirring bars, 20 mm and 40 mm long with support rod	Sample	
8	Digital weighing Scale (for human body)	Per number	Strain gauge sensors system 1.5" ( 38mm ) LCD digits,Auto zero – Auto off Low battery / over load indication Power: 1x CR 2032 3V Lithium batteries.Capacity : 200kg		
<b>Consumables</b>					
1	Cork	sets	Rubber cork with different size in set		
2	Gloves	sets	Nitrile gloves with high resistant to chemicals		
3	Hand lens	sets	75mm, 50mm		
4	Beaker	Per number	250ML, 500ML(Borosil)		
5	Brain (Model)	Per number	well labeled in English		
6	Animal Cell(Model)	Per number	well labeled in English		
7	Human Ear (model)	Per number	well labeled in English		
8	Eye Model	Per number	well labeled in English		
9	Ice Bucket	Per number	5 L		
10	Watch Glass	Per number	75mm, Borosil		
11	Blotting paper	sets	NICE		
12	Test tube	sets/number	50ml Borosil		
13	Forceps	sets	Stainless steel with sharp point		
14	Grid quadrat	Per number	one metre square		
15	Kick Sampler Net/ Triangu	Per number	Frame size of 25x25cm, Mesh size- 0.5µm		
16	Water boots	Per number	King size, medium size		
17	Lens Cleaning Tissues	pkt	Brand -Nice		
18	Meter scale	Per number	Wooden, 100cm		
19	Ice Tray	Per number	Durable rigid ice tray, 600ML		
20	Soil testing Kit	Per number	For checking the pH, Nitrogen, Phosphorous & Potassium Availability in soil, (NICE).		
21	Water Testing kit	Per number	For the estimation of Total Hardness		



22	Water Testing kit	Per number	For the estimation of Total Alkalinity & PH		
23	Water Testing Kit	Per number	Estimation of Fluoride, Chloride & residual chlorine		
24	Specimen sorting Tray	Per number	Polythene laboratory white tray		
25	First Aids Box	Per number	Packed in a plastic with all necessary present.		
26	Cryotags	Per number	Round		
27	Polythene bag	Per number	Polythene		
28	Spring balance	Per number	With metric graduations, capacity 10kg		
29	Wash bottle	Per number	Polythene		
30	Field rain coat	Per number	Big and medium sizes, best quality		
31	Files ( Reti)	sets	Having three sizes		
32	Googles (spectacles)	sets/numbers	Clear Hard Coat lens, ( Meets ANSI z87.1-2010 standards)		
33	Lab coat	Per number	XXL,XL & medium		
34	Measuring tape	Per number	50ml		
35	Distilled Water	per litre	Demineralised water, Nice		
	<b>Permenant Slide</b>				
1	Plant cell	Per number	Clear and good quality		
2	Animal cell	Per number	Clear and good quality		
3	Mitosis stages( All)	Per number	Clear and good quality		
4	Meiosis stages(All)	Per number	Clear and good quality		
5	Bacteria	Per number	Clear and good quality		
6	Nerve cell	Per number	Clear and good quality		
7	Cardiac muscle	Per number	Clear and good quality		
8	striated muscle	Per number	Clear and good quality		
9	Mammalian Pencras (T.S)	Per number	Clear and good quality		
10	Monocot steam	Per number	Clear and good quality		
11	Dicot steam	Per number	Clear and good quality		
12	Monocot leaf	Per number	Clear and good quality		
13	Dicot leaf	Per number	Clear and good quality		
14	Monocot root	Per number	Clear and good quality		
15	Dicot root	Per number	Clear and good quality		



	Chemicals				
1	Sodium Chloride	500g	MERCK		
2	Sodium carbonate	500g	MERCK		
3	Sodium bicarbonate	500g	MERCK		
4	Agar Agar (used for the ba	500g	MERCK		
5	Auxin	500g	MERCK		
6	Indole acetic acid	500ml/250ml	MERCK		
7	Sucrose	500g	MERCK		
8	Seliwanoff's reagent	500ml	MERCK		
9	Barfoed reagent	500ml	MERCK		
10	Bials reagent	500ml	MERCK		
11	Eoxin solution	500ml	MERCK		
12	Maltose	150g	MERCK		
13	Ribose	150g	MERCK		
14	Glycerine	500ml	MERCK		
15	Spirit	L	MERCK		
16	Monoclonal Antibodies (A	sets	MERCK		
17	Safarine solution	500ml	MERCK		

