

# STANDARD BIDDING DOCUMENT

## Supply of Science Lab Equipment, Items & Chemical items for 2025- 2026



Royal Government of Bhutan  
Ministry of Finance  
2023



<b>1</b>	<b>Package</b>	<b>6</b>
<b>2</b>	<b>Quotation</b>	<b>Supply of Science Lab Equipment &amp; Items for 2025-2026</b>
<b>3</b>	<b>Last date of submission</b>	<b>2<sup>nd</sup> July, 2025 at 2.00pm</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>2<sup>nd</sup> July, 2025 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 Science Lab Equipment, Items & chemical items for 2025-2026

### TERMS AND CONDITIONS

1. The rates quoted shall be CIF Samtse College of Education for the **Supply of Science Lab Equipment, Items & Chemical items for 2025-2026**. 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 **2<sup>nd</sup> July 2025 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 Bank Draft in favor 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.

Samtse College of Education



: 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)





འབྲུག་རྒྱལ་འཛིན་གཙུག་ལག་སློབ་ཆུང་།

**SAMTSE COLLEGE OF EDUCATION**



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.

*Samtse College of Education*



: 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)





# འབྲུག་རྒྱལ་འཛིན་གཙུག་ལག་སློབ་མེ།

## SAMTSE COLLEGE OF EDUCATION



24. In addition to the terms and conditions mentioned above, all other relevant regulations of the **Procurement Rules and Regulation 2023**, shall apply where specific mention is not made.

Samtse College of Education



: 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)







འབྲུག་རྒྱལ་ཁའི་དཔུང་སྡེ་ཆེན་པོ་

**SAMTSE COLLEGE OF EDUCATION**



8	Solar cell with motor	It consists of a simple pulley, dia: 16mm and capable of raising a mass of at least 4g. PE-237/17535	No		
9	Digital Balance	LCD Display, metal base, ABS Top housing stainless steel pan, glass draftshield with sliding top door, replaceable in-user cover, stainless steel weighing platform capacity 500gm) Kern Company.	No		
10	Colour mixture SV195	it consists of the following items: 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.	No		
11	Dry cell Battery Holder	Profession for holding 1.5v dry cells. maximum capacity 1.5v. Light in weight made of good quality plastic.	No		
12	Dry cell Battery Holder	Profession for holding 2x1.5v dry cells. maximum capacity 3v. Light in weight made of good quality plastic.	No		
13	Potentiometer (10m wires)	Wooden base fitted with 4mm socket terminals, single wire and 100cm wooden scale.	No		
14	Soldering rod	40W/60W, 110-220V with good quality metal	No		
15	Soldering lead	40-60 proportion	Roll		
16	Enameled Copper Wire	Corrosion resistant copper wires made in high precision environment, JAPSON	Roll		

Samtse College of Education



: 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)





17	Vernier or travelling microscope	This Travelling Vernier Microscope has calibrated movement in Horizontal and Vertical direction. The cast-iron heavy base has three levelling foot screws, one being fixed. The base Vee-top surface is machined to take a kinetically horizontal carriage, which supports vertical column. The carriage has vernier and a magnifier for reading.	No		
18	Joule's Calorimeter	Dimension (L*W*H) Size: Outer vessel wooden box: 15cm Dia approx. Inner vessel calorimeter copper: 10cm Dia approx.	No		
19	Ammeter	0-3ADC case:ABS plastic case.	No		
20	Ammeter Double range	DC 0-1Aamp And 0-5amp.	No		
21	Micro ammeter	DC-0-250 $\mu$ A	No		
22	Milli ammeter	DC 0-15mA.	No		
23	Voltmeters	DC 0-10V	No		
24	Voltmeters double range	0-5V and 0-15V	No		
25	Millivoltmeter	0-100mV	No		
26	Galvanometers	30-0-30 divisions. Sensitivity 2mA/division	No		
27	Galvanometers	10-0-10 divisions. Sensitivity 2mA/division	No		



28	Optical Bench	Optical bench with accessories complete. Length 1M, Double Rod m.s. chromed, 16mm diameter mounted rods. 2 fixed riders/saddles and 2 slow motion riders. Two lens holder for lenses up to 62mm diameter. A steel object needle. Mounted on a rod Dia 10mm and two metal feet with levelling screws.	No		
29	Optical Bench pin	Image/ object pin, steel	No		
30	Optical Lens holder with Base	All metal iron. Normal Size.	set		
31	Double pan Balance	0.1g to 2000gm capacity.	No		
32	Pendulum Bob	Made of Brass with Dia 20mm.	No		
33	Pendulum Bob	Made of Brass with Dia 13mm.	No		
34	Junction diode characteristic s app.	Box type with all accessories to study forward and reverse bias characteristics.	No		
35	Zener diode characteristic s app.	Box type with all accessories to study forward and reverse bias characteristics	No		
36	Transistor characteristic s app.	Box type with all accessories to study input, output and transfer characteristics of pnp and npn	No		
37	Magnetic field along the axis	0-16V DC continuously variable and stabilized	No		

38	Resonance Apparatus	It consists of chrome plated brass resonance tube 100 cm long mounted on a stand which is fitted with levelling screws. The lower end of the tube is connected with a reservoir 250 ml by a rubber tubing, and a meter scale is mounted on a stand.	Set		
39	Assorted screw driver cum	Good Quality	Set		
40	Assorted pliers	Good Quality	No		
41	Rheostat	Wire wound rheostat, sliding type	No		
42	Right angle prism	Right angle prism with a cross section of $90^\circ 45^\circ 45^\circ$	No		
43	Spherometer	Made of Brass disc and scale with stainless steel. scale: 10-0-10, Divisions: 100, Least count 0.1mm	No		
44	Spring Balance metal Body Rectangular	Scale Made of brass. Provided with rotational knob zero adjuster SG570-SG579. (Capacity 100g-10N) Sub division: 1gm-0.1N.	No		
45	Battery Eliminator	Current: 2A, Voltage: 0-12 V.	No		
46	Meter Bridge	Two gap one meter, nickel plated brass stripes, 4mm socket terminals, fitted on wooden base. Length 100cm with plastic scale. 100 cm of wire (4ohms/m) mounted on a wooden board with a meter scale with terminals and jockey.	No		

47	Surface Tension Apparatus/ Rising Table Apparatus.	Rising Table apparatus consists of metal frame having four capillary tubes of 10cm. Long and different internal diameter are clamped with the help of small metal brackets. The 9mm. rod is also attached to metal plate, so that complete clamp can be held in any stand for determining the surface tension of liquid by capillary rise method. Its having a cast aluminium 4" dia table with adjustable stand. Maximum height capacity 12".	set		
48	Sonometer wooden	It consists of a wooden resonance box, 111x10x8cm,(LxWxH), with 2 wooden ruler one meter long, subdivided in mm. one each brass and steel wires are attached to a fixed bridge and tension by the adjustment. Two movable bridge are provided. Pulley and hook are provided to enable a third wire to be fixed for tensioning of masses. one each brasses and steel wires are provided.	No		
49	Potentiometer r10 wires	Mounted on a polished 18 mm thick ply wooden board with teak wood colour sunmica on top. With 10 wires of SWG 24 connected in series, clamped under heavy. Brass strips of SWG 18 and fitted by screws in such a manner so that it is easily replaceable and has negligible.	No		







9	Concave lens	focal length 15cm	No		
10	Concave lens	focal length 20cm	No		
11	Helical spring Apparatus	The apparatus consists of a spiral spring about 25mm in diameter and 10cm long. The upper end of the spring is suspended from chuck-nut and lower and is provided with small pointer which moves over a vertical steel meter scale. The lower end is also provided with hook for carrying weights. All this setup is provided on a heavy metal base and with weights. Consist of: • Spring • Rigid support • Weight hanger. Slotted weights 50 g • Vertical steel scale • Fine pointer	No		
12	Helical spring	spring steel wire (0.5-11.2mm), 50 turns, 15-20cm long).	No		
13	Meter scale	50cm hard wood.	No		
14	Meter scale	100cm hard wood.	No		
15	Bulb Holder	Torch bulb Holder	No		
16	Magnifying lens	Metallic Handle, 75mm dial. Magnification: 3.5x	No		
17	Displacement can	Vessel Tin with spout( 115x50mm with overflow.	No		
18	Drawing Board	12" x18" superior quality softwood.	No		
19	Capacitor	10 V 220 Micro Farrad	Set		
20	Connecting Wires	Copper -SWG( Double Insulation)	Roll		
21	Digital Stop Watch	Digid display: 6digid, accuracy : $\pm 0.01$ sec. The digid display size 7mm. Start, stop and reset knobs necklace length 2feet apprx.	No		



22	Capillary tube apparatus( with rubber bungs)	It is used to measure the surface tension by capillary rise in a small bore tube. There are six glass capillary tubes of different bore sizes( 150mm long) ends ground flat. The capillaries are supported in a metal frame of size( 115x40x10mm)	Set		
23	Plastic syringe	Without needle polypropylene with a black rubber seal, graduatins are marked 0-60ml in 2ml increments.	No		
24	Glass slab	Rectangular glass slab. Dimensions: 75x50*12mm.	No		
25	Resistance Wire	Constantan (SWG 24,26,28,32-4 ohms/meter).	Roll		
26	Resistance Wire	Nichrome( SWG 24,26,28,32-4 ohms/meter).	Roll		
27	Fixed carbon Resistors	10 $\Omega$ ,100 $\Omega$ ,1K $\Omega$ ,10K $\Omega$ . 0.25W.	Set		
28	NPN Transistors	2N2222, Max Voltage 40V, Max Current 800mA.	Set		
29	PNP Transistors	2N2907, Max Voltage 40V, Max Current 600mA.	Set		
30	Logic gate Integrated Circuit	CD4001, Quad NAND Gate.	Set		
31	Schottky diode.	1N5819, 40V	Set		
32	Small hobby DC motor	3V-12V, 1W-10W power, RPM 2000-10000RPM.	No		
33	Rotary potentiometer	1K $\Omega$ -1M $\Omega$ , Variable with a knob to adjust resistance, used in voltage dividers, adjustable voltage output, or control the brightness of LED.			







41	Ferric Sulphate	500g	MERCK		
42	Ferric Nitrate	500g	MERCK		
43	Ferrion indicator	500ml	MERCK		
44	Glucose	500g	MERCK		
45	Granulated Zinc	500g	MERCK		
46	Hydrochloric acid	500ml	MERCK		
47	Hydrogen Peroxide 30%	500ml	MERCK		
48	Heptane	500ml	MERCK		
49	Hexane	500ml	MERCK		
50	Iodine crystal	500g	MERCK		
51	Iodine Solution	500ml	MERCK		
52	Iodobenzene	500g	MERCK		
53	Isoprophyl alcohol	500ml	MERCK		
54	Iron tablets				
55	LAS	500g	MERCK		
56	Lime stone	500g	MERCK		
57	Litmus paper Blue		100leaves per pack.		
58	Litmus paper Red		100leaves per pack.		
59	Litmus solution red	500ml	MERCK		
60	Lucsus Reagent	500ml	MERCK		
61	Macroeticular resign	500g	MERCK		
62	Magnesium	500g	MERCK		
63	Magnesium Chloride	500g	MERCK		

64	Manganous Sulphate	500g	MERCK		
65	Manganese Dioxide	500g	MERCK		
66	M-Dinitro Benzene	500g	MERCK		
67	Methanol	500ml	MERCK		
68	Methyl acetate	500g	MERCK		
69	Methy Orange	500ml	MERCK		
70	Methyl red indicator	500ml	MERCK		
71	Molish's Reagent	500ml	MERCK		
72	Nessler Reagent	500ml	MERCK		
73	Nitric acid	500ml	MERCK		
74	Oxalic acid	500ml	MERCK		
75	Petroleum ether	500ml	MERCK		
76	Phenolphthale in	500ml	MERCK		
77	Phenol	500ml	MERCK		
78	Potassium chloroplatinate	500g	MERCK		
79	Potassium Iodide	500g	MERCK		
80	Potassium Iodide Paper	per number	100leaves per pack.		
81	Potassium Permanganate	500g	MERCK		
82	Propanol	500ml	MERCK		
83	Propionic acid	500ml	MERCK		
84	Schiff's Reagent	500ml	MERCK		
85	Selenium Metal powder	500g	MERCK		
86	Silver Nitrate	500g	MERCK		

87	Silver Sulphate	500g	MERCK		
88	Sodium Bisulphate	500g	MERCK		
89	Sodium Carbonate	500g	MERCK		
90	Sodium Hydrogen Sulphite	500g	MERCK		
91	Sodium Hydroxide	500g	MERCK		
92	Sodium Sulphide	500g	MERCK		
93	Sodium Thiosulphate	500g	MERCK		
94	Sodium Iodine	500g	MERCK		
95	Starch Soluble	500g	MERCK		
96	Strach paper		100leaves per pack.		
97	Sulphuric acid	500ml	MERCK		
98	Tollen's Reagent	500ml	MERCK		
99	Universal Indicator Chart	per number	Good quality		
100	Universal indicator paper		100leaves per pack.		
101	Universal indicator solution	500ml	MERCK		
102	Zinc Chloride	500g	MERCK		
103	Zinc Nitrate	500g	MERCK		
104	Zinc Sulphate	500g	MERCK		
105	Zinc Sulphite	500g	MERCK		
106	Zironyl chloride ocathydrate	500g	MERCK		



	GLASSWARE & EQUIPMENTS				
1	Ice box (medium size)	per number	5ltrs		
			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 the operator against hazardous aerosols. A stainless steel sink installed inside the hood which is resistant to the		



			vapors, Colour: Various ,Size: 1200/1500/1800*800*2 350mm		
6	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".		
7	Silica crucible with lid	per number	Material: Silica, capacity: 50ml, Usage/Application: Chemical laboratory, Colour:White, Shape:Round, Packinging type: Box, Weight:110g, Temperature: 700 to 1100 degree celcius, Height: 33mm.		
8	Beaker(Brosil)	per number	50ml		
		per number	20ml		
		per number	1000ml		
		per number	100ml		
9	Droppers(with graduation ,made of brosil)	per number	1ml		
		per number	10ml		
		per number	25ml		
		per number	5ml		
10	Pipette Filler	per number	10ml		



		per number	20ml		
		per number	25ml		
11	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>		
12	Clamps	per number	EISCO CH0688 Labs Clamp Retort, 3 PVC Coated Prongs (opens to 90mm in dia.) with Boss Head		
13	Volumatric flask	per number	10ml		
		per number	25ml		
		per number	50ml		
		per number	100ml		
		per number	500ml		





འབྲུག་རྒྱལ་ཁཛུགས་ཤེས་ཚན་ལུགས་སློབ་ཆུང་།

**SAMTSE COLLEGE OF EDUCATION**



			degree celsius, Flame Resistant, Heat Preservation. Size : Free size and Wear type: full fingered.		
25	Cork				
26	Cork Borer				
27	Capillary Tube (glass)				
28	Crucible tong	Sets/number	Stainless steel(50cm long)		
29	Kipps apparatus	per number	Kipps apparatus		
30	Filter paper	rolls	Size 20cm		
125	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.		
126	Glass tough	Number	Borosil		
127	Ammeter	Number	Range from 0-5 amper		
128	Voltmeter	Number	Range from 0-5 volt		
129	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		
130	Face shield for operating Muffle furnace.	per number	Size:53-63cm,Color: White,Blue,Green,Yell ow,Orange,Material:Hi gh impact resistance ABS and Visor Polycarbonate,8"		

Samtse College of Education



: 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)







131	Test Tube Beush				
132	Spatula	sets or per number	stainless steel(20cm long)		
133	Sodium Metal	number			
134	Zinc Metal	number			
135	Potassium /metal	number			
136	Pipette	number	25ml		



 : 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)



9	Rectangular Water bath( Double wall)	Outside made of mild steel with powder coated paint. Inside made of stainless steel. Temperature is controlled by thermostate from Ambient temprarure to 80 degree celcius.	Per No		
10	Digital Balance	KERRO P7B, BL- 2204. Max: 220gm and Div- 0.1mg.	Per No		
11	Grid quadrat	one metre square	Per No		
	<b>3D Models:</b>				
12	Brain (Model)	well labeled in English	Per No		
13	Animal Cell(Model)	well labeled in English	Per No		
14	Human Ear (model)	well labeled in English	Per No		
15	Eye Model	well labeled in English	Per No		
16	Plant cell model	well labeled in English	Per No		
17	DNA extraction kit (blood and tissues)	Qiagen, Invitrogen, promega or any other approved company	Per No		
18	Butterfly net	Insect and Butterfly Net with 14" Stainless Ring, 26" Net Depth, Strong Aluminum Telescopic Handle Extends to 39", Full	Per No		
19	Blade		Pkt		
20	Aspirator Bottle, Wide mouth, Graduated with stopcock & Handle	20liter	Polylab		
21	Measuring cylinder	Borosil	1000ml		
22	Measuring cylinder	Borosil	500ml		
23	Measuring cylinder	Borosil	250ml		



འབྲུག་རྒྱལ་ཁབ་ཤིང་པོ་སྐྱེད་ཀྱི་སྡེ་ཁག་ལྷན་ཁག་

**SAMTSE COLLEGE OF EDUCATION**



24	Measuring cylinder	Borosil	100ml		
25	Measuring cylinder	Borosil	50ml		
26	Measuring cylinder	Borosil	25ml		
27	Conical Flask	Borosil	250ml		
28	Conical Flask	Borosil	200ml		
29	Conical Flask	Borosil	100ml		
30	Beaker	Borosil	800ml		
31	Beaker	Borosil	400ml		
32	Beaker	Borosil	200ml		
33	Beaker	Borosil	100ml		
34	Test tube rack for tube	16x150mm	Polylab		
35	Filter Paper	cat No 1001-917(460mmx570mm,100/sheets)	Whatman		
36	Filter Paper	42mm filters-pure quartz, pure teflon	Bkmam		
37	Filter Paper	Diameter 125mm, whatman 42			
38	Filter paper(memberence filter)	(0.45 $\mu$ m pore size)	whatman		
39	Utility Tray	Tarsons(LxWxH)mm(320x260x70)	tarson		
40	Refrigerator	Mention brand	Per No		
41	Hand Gloves	Cut resistant,high performance level fire protection	Set		
42	Aluminium foil	Thickness 6-30microns,Silver color,food wrapping	Per Np or set		
43	Hamatology		Set		
44	Kick Sampler Net/ Triangular dip net	Frame size of 25x25cm, Mesh size- 0.5 $\mu$ m	Per No		
45	Surber sampler ( to collect the specimen/ organism from the water for research)	25x25cm with 0.05 $\mu$ m mesh	Per No		

Samtse College of Education



: 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)



46	Secateurs		Sets or No		
47	Sterilised lancet		Set		
48	Soil Analysis Sieve	Stainless Steel, Mesh 2mm	Per No		
49	Tripod stand, superior/heavy 8" height, Iron black colour painted.	Mention brand or sample	Per No		
50	Spirit lamp		Per No		
51	Lens Cleaning Tissues	Brand -Nice	Per set		
52	Meter scale	Wooden, 100cm	Per No		
53	Ice Tray	Durable rigid ice tray, 600ML	Per No		
54	Soil testing Kit	For checking the pH, Nitrogen, Phosphorous & Potassium Availability in soil, (NICE).	Per No		
55	Water Testing kit	For the estimation of Total Hardness	Per No		
56	Water Testing kit	For the estimation of Total Alkalinity & PH	Per No		
57	Water Testing Kit	Estimation of Fluoride, Chloride & residual chlorine	Per No		
58	Specimen sorting Tray	Polythene laboratory white tray	Per No		
59	First Aids Box	Packed in a plastic with all necessary present.	Per No		
60	Cryotags	Round	Per No		
61	Polythene bag	Polythene	Per No		
62	Spring balance	With metric graduations, capacity 10kg	Per No		
63	Wash bottle	Polythene	Per No		
64	Field rain coat	Big and medium sizes, best quality	Per No		
65	Files ( Reti)	Having three sizes	Per No		
66	Googles (spectacles)	Clear Hard Coat lens, ( Meets ANSI z87.1-2010 standards)	Per No		
67	Mounting needle		Set or Pkt		







འབྲུག་རྒྱལ་ཁབ་རྩུག་ལག་སློབ་མཉམས་སྡེ།

SAMTSE COLLEGE OF EDUCATION



21	Plasmodium	Clear and good quality	Per set		
22	macrophage	Clear and good quality	Per set		
23	Monocytes	Clear and good quality	Per set		
24	Neutrophil	Clear and good quality	Per set		
25	Basinophil	Clear and good quality	Per set		
26	Lymphocytes	Clear and good quality	Per set		
27	Gram Positive Bacteria	Clear and good quality	Per set		
28	Gram Negative bacteria	Clear and good quality	Per set		
	<b>Preserve Specimen</b>				
1	Coral	Clear and good quality	Per No		
2	Flatworm	Clear and good quality	Per No		
3	Flying fish	Clear and good quality	Per No		
4	Gold fish	Clear and good quality	Per No		
5	Hookworm	Clear and good quality	Per No		
6	Horse tail	Clear and good quality	Per No		
7	Hydrilla	Clear and good quality	Per No		
8	Marchantia	Clear and good quality	Per No		
9	Obelia	Clear and good quality	Per No		
10	Pearl oyster	Clear and good quality	Per No		
11	Pinworm	Clear and good quality	Per No		
12	Planeria	Clear and good quality	Per No		
13	Sea anemone	Clear and good quality	Per No		
14	Sea cucumber	Clear and good quality	Per No		
15	Sea horse	Clear and good quality	Per No		
16	Sea lily	Clear and good quality	Per No		
17	Sea urchin	Clear and good quality	Per No		
18	Sea weed	Clear and good quality	Per No		
19	Scorpion	Clear and good quality	Per No		
20	Snail	Clear and good quality	Per No		
21	Star fish	Clear and good quality	Per No		
22	Sting ray	Clear and good quality	Per No		
23	Sycone	Clear and good quality	Per No		
24	Hydras	Clear and good quality	Per No		

Samtse College of Education



: 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)





འབྲུག་རྒྱལ་ཁོ་རྒྱལ་ཤེས་བླ་མ

SAMTSE COLLEGE OF EDUCATION



25	Spongilla	Clear and good quality	Per No		
26	fresh water sponge	Clear and good quality	Per No		
27	Liver fluke	Clear and good quality	Per No		
28	round worm	Clear and good quality	Per No		
29	Hookworm	Clear and good quality	Per No		
30	Pinworm	Clear and good quality	Per No		
31	Neries	Clear and good quality	Per No		
32	Herdmonia	Clear and good quality	Per No		
33	Amphioxus	Clear and good quality	Per No		
34	Balanoglossus	Clear and good quality	Per No		
35	Ascaries	Clear and good quality	Per No		
36	Tapeworm	Clear and good quality	Per No		
	<b>Chemicals</b>				
1	Acetic acid	MERCK	500ml		
2	Acetone	MERCK	500ml		
3	Acetocarmine	MERCK	250ml		
4	Agar Agar	MERCK	500g		
5	Alum	MERCK	250g		
6	Amylase	MERCK	250g		
7	Ammonium hydroxide	MERCK	500g		
8	Aluminium	MERCK	500g		
9	Aluminium hydroxide	MERCK	500g		
10	Ammonia	MERCK	500ml		
11	Ammonium chloride	MERCK	500g		
12	Ammonium hydroxide	MERCK	500g		
13	Anti serum A, B & Rh (3 items)	MERCK	25ml		
14	Ammonium sulphate	MERCK	500g		
15	Auxin	MERCK	500g		
16	Barium chloride	MERCK	500g		
17	Barfoed reagent	MERCK	500ml		

Samtse College of Education



: 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)





འབྲུག་རྒྱལ་ཁའི་དུས་འཛིན་གཞི་རིག་ལས་ཁུངས་

**SAMTSE COLLEGE OF EDUCATION**



18	Barium sulphate	MERCK	500g		
19	Benedict solution	MERCK	500ml		
20	Bials reagent	MERCK	250ml		
21	Canada balsam	MERCK	500g		
22	Calcium bicarbonate	MERCK	500g		
23	Calcium carbonate	MERCK	500g		
24	Calcium chloride	MERCK	500g		
25	Calcium hydroxide	MERCK	500g		
26	Calcium oxide	MERCK	500g		
27	Calcium powder	MERCK	500g		
28	Calcium sulphate	MERCK	500g		
29	Carbon disulphide	MERCK	500g		
30	Carbolic acid	MERCK	250ml		
31	cobalt chloride paper	MERCK	Bundle or set		
32	Copper carbonate	MERCK	500g		
33	Copper nitrate	MERCK	500g		
34	Copper oxide	MERCK	500g		
35	Copper sulphate	MERCK	500g		
36	Copper turnings	MERCK	500g		
37	CuSO <sub>4</sub> (crystals)	MERCK	500g		
38	Eosin dye	MERCK	500g		
39	Ethyl alcohol	MERCK	500ml		
40	Fehling solution:				
41	A	MERCK	500ml		
42	B	MERCK	500ml		
43	Ferric chloride	MERCK	500g		
44	Ferrous sulphate	MERCK	500g		
45	Formalin	MERCK	500ml		
46	Giemsa stain solution	MERCK	25ml		
47	Glucose	MERCK	500g		
48	Glycerine	MERCK	500ml		

Samtse College of Education



: 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)





འབྲུག་རྒྱལ་ཁའི་དཔུང་སྡེ་ཆེན་པོ་

**SAMTSE COLLEGE OF EDUCATION**



49	Hydrochloric acid (conc.)	MERCK	500ml		
50	Hydrogen peroxide (30%)	MERCK	500ml		
51	Industrial enzyme	MERCK	500g		
52	Indole Acetic acid	MERCK	25g/ml		
53	Iodine crystals	MERCK	500g		
54	Iodine solution	MERCK	250ml		
55	Iron filings	MERCK	500g		
56	Iron (II) sulphide	MERCK	500g		
57	Lead dioxide	MERCK	500g		
58	Lead monoxide	MERCK	500g		
59	Lead nitrate	MERCK	500g		
60	Leishman's stain	MERCK	25ml		
61	Litmus paper:				
62	Blue	MERCK	set		
63	Red	MERCK	set		
64	Litmus solution:				
65	Blue	MERCK	500ml		
66	Red	MERCK	500ml		
67	Maltose	MERCK	250g		
68	Magnesium	MERCK	500g		
69	Magnesium bicarbonate	MERCK	500g		
70	Magnesium carbonate	MERCK	500g		
71	Magnesium ribbon	MERCK	500g		
72	Magnesium sulphate	MERCK	500g		
73	Manganese dioxide	MERCK	500g		
74	Mercury	MERCK	25ml		
75	Mercury oxide	MERCK	500g		
76	Methyl Red solution	MERCK	500ml		
77	Methyl orange solution	MERCK	500ml		

Samtse College of Education



: 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)









འབྲུག་རྒྱལ་འཛིན་གཙུག་ལག་སློབ་མེ

**SAMTSE COLLEGE OF EDUCATION**



107	Sulphuric acid (conc.)	MERCK	500ml		
108	Universal indicator paper	MERCK	Set		
109	Universal indicator solution	MERCK	500ml		
110	Vaseline	MERCK	500g or kg		
111	Vinegar	MERCK	500ml		
112	Wax paraffin	MERCK	500g		
113	White petroleum jelly	MERCK	500g		
114	Wright's stain powder	MERCK	250g		
115	Wright's stain solution	MERCK	250ml		
116	Xylene	MERCK	500ml		
117	Yeast powder	MERCK	500g		
118	Zinc (granulated)	MERCK	500g		
119	Zinc carbonate	MERCK	500g		
120	Zinc metal	MERCK	500g		
121	Zinc nitrate	MERCK	500g		
122	Zinc oxide	MERCK	500g		

Samtse College of Education



: 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)

