

STANDARD BIDDING DOCUMENT

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



Royal Government of Bhutan
Ministry of Finance
2025

1	Package	1
2	Quotation	Supply of Science Lab Equipment & Items for 2025-2026
3	Last date of submission	21st July, 2025 at 2.00pm
4	Place of submission	Office of Store In-Charge
5	Date of opening	4th August, 2025 at 2.30pm
6	Place of opening	Conference Hall
7	EMD	Nu. 12000 (Twelve Thousand only)

1/1



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SAMTSE COLLEGE OF EDUCATION



Ref: 37/SCE-Quot /2025-2026/ 49

21st July, 2025

The Manager
Advertisement Division
Bhutan Broadcasting Service
Thimphu.

Sir/Madam,

The undersigned would like to request your office to kindly publish the following notice inviting tender in the BBS (English) on 21st July, 2025 and bill may be sent to us for payment:

**SAMTSE COLLEGE OF EDUCATION
NOTICE RE-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 item for the financial year 2025-2026.

Sl. No	Particulars
1	Supply of Lab Equipment

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 4th August, 2025 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 05-365274, during office hours.

The Manager

Yours sincerely,


(Sonam Rinchen, PhD)
PRESIDENT

☎: 05 365391(President) 365274 (Adm) 365363 (Fax) P.O Box No. 329
Visit us at www.sce.edu.bt



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 **4th August 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 **50 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.
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.



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SAMTSE COLLEGE OF EDUCATION



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 Rules and Regulation 2025**, shall apply where specific mention is not made.



Physics Items Fiscal Year 2025-2026					
Sl	Items	Description and details (minimum specification of goods to be supplied)	Unit of measu ement	Rate(nu)	Remark s
1	Deflection Magnetomet er	Magnetic compass, 18mm thick laminated board (both side sun mica) with dimensions 40" x5"with suitable hole at the center for holding compass box.	Set		
2	Digital Stop Watch	LCD digital stop watch, 1/100second chronograph upto 23 hour, 59 mins,59seconds.AM/PM indicator.	No		
3	Digital Vernier Calipers	Caliper Measuring Tool with Stainless Steel, Electronic Micrometer Caliper with Large LCD Screen, Auto-Off Feature, Inch and Millimeter Conversion (6 Inch/150 mm)	No		
4	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.	Set		
5	Barlow's wheel	Input voltage:3-6V DC@3A, 8"x5"x7"(LxWxH)	No		
6	Bar Magnet	Pair of alnico bar magnets with keepers. Alloy steel 5cm long,N and S poles printed on the magnet.	Pair		



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		



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°45°45°	No		
43	Spherometer	Made of Brass disc and scale with stainless steel. scale:10-0-10, Divisions: 100, Least count 0.1mm	No		

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 10 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		

50	Magnetic compass in an aluminium case	Dia approx. 12mm, Type: both side transparent.	Set		
51	Tuning Fork	Provided with Set of 8 alloy steel tuning forks with frequencies 256-512Hz in a wooden box with wooden hammer.	Set		
52	Diode	IN 4001,	No		
53		IN 4002,	No		

54		6A4 MIC	No		
55	Parallelogram Apparatus	Parallelogram apparatus is used in measuring forces acting on a single point. It consists of a black board of around 650x500mm with 2 aluminium pulleys clamped at the top. A spool of thread passes through these pulleys. Three hangers are connected to the spool and carry different slotted weights.	No		
56	Spring constant apparatus	Spring Constant Apparatus is used to measure force by using Hook's law. It consists of a Retort stand on which a spring is clamped. The other end of the spring has a hook on which variable slotted weight of 100gm, 200gm, 300gm, 400gm and 500gm are attached. A vertically placed ruler then measures the extension of the spring.	Set		
57	Newtons cradle	Newton's cradle is a device, usually made of metal, that demonstrates the principles of conservation of momentum and conservation of energy in physics with swinging spheres.: Steel construction, balls made of stainless steel, stainless steel cables. Main structural profile: black steel.	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 : ± 0.01 sec. The digid display size 7mm. Start, stop and reset knobs necklace length 2feet apprx.	No		

Quotation List for Chemistry Lab for Financial Year 2025-2026					
Sl. Nos	Particulars	Unit of measurement	Specifation	Rate	Remarks
CONSUMABLE ITEMS					
1	2-Methylpropan-2-ol	500ml	MERCK		
2	Acetaldehyde	500ml	MERCK		
3	Acetic acid	500ml	MERCK		
4	Acetone	250ml/500ml	MERCK		
5	Acetophenone	500ml	MERCK		
6	Aluminium Chloride	500g	MERCK		
7	Aluminium nitrate	500g	MERCK		
8	Ammonium dichromate	500g	MERCK		
9	Ammonium bicarbonate	500g	MERCK		
10	Ammonium chloride	500g	MERCK		
11	Ammonium Hydroxide	500g	MERCK		

12	Ammonium Nitrate	500g	MERCK		
13	Ammonium Solution	500ml	MERCK		
14	Ammonium Thiocynate	500g	MERCK		
15	Anhydrous Calcium Chloride	500g			
16	Aniline	500ml	MERCK		
17	Baurite ore	500g	MERCK		

18	Benzaldehyde	500ml	MERCK		
19	Beryllium carbonate	500g	MERCK		
20	Bromobenzen e	500ml	MERCK		
21	Brucine Sulfide	500g	MERCK		
22	Butanol	500g	MERCK		
23	Carbon Disulfide	500ml	MERCK		
24	Calcium Chloride	500g	MERCK		
25	Calcium Nitrate	500g	MERCK		
26	Calcium powder	500g	MERCK		
27	Chlorobenzen e	500ml	MERCK		
28	Chloroform	500ml	MERCK		
29	Copper sulphate	500g	MERCK		

30	Dolomite Powder	500g	MERCK		
31	Dimethyl Pheylamine	500ml	MERCK		
32	Diphenyl indicator	500ml	MERCK		
33	EDTA	500g	MERCK		
34	Eolochrome Black Tea	500ml	MERCK		
35	Ethanol	500ml	MERCK		
36	Ether	500g	MERCK		
37	Ethyl Alcohol	500ml	MERCK		
38	Felling solution B	500ml	MERCK		
39	Ferric acid	500g	MERCK		
40	Ferric Choloride	500g	MERCK		

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		



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 ocahydrate	500g	MERCK		



		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"> • Practical holder for anchoring burettes vertically on the support stand. • The volume scale remains clearly readable. • Moulded in Polypropylene making it completely corrosion proof • The spring loaded jack in the middle provides a vice like grip to the Burette and prevents it from slipping • Two tapered wedges are provided to ensure firm grip on rods having dia 1/2" or 3/8" (Ø 9,6 - 12,7 mm) 		
12	Clamps	per number	EISCO CH0688 Labs Clamp Retort, 3 PVC Coated Prongs (opens to 90mm in dia.) with Boss Head		
13	Volumetric flask	per number	10ml		
		per number	25ml		
		per number	50ml		
		per number	100ml		
		per number	500ml		



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"		
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		





Annual Quotation, Biology 2025-2026					
Glassware and lab equipment					
SL. No	Particulars	Specification and brand	Unit of measurement	Rate (Nu)	Remark

Samtse College of Education



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



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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 µm 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- 0.5µm	Per No		
45	Surber sampler (to collect the specimen/ organism from the water for research)	25x25cm with 0.05µm mesh	Per No		
46	Secateurs		Sets or No		
47	Sterilised lancet		Set		





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		

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		

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		

78	Methylene blue aqueous	MERCK	500ml		
79	Millions reagent	MERCK	500ml		
80	Neutral Red solution	MERCK	500ml		
81	Napthalene	MERCK	500g		
82	Nitric acid (conc.)	MERCK	500ml		
83	Pepsin	MERCK	500g		
84	pH paper (0-14 scale)	MERCK	Set		
85	Phenolphthalein	MERCK	500ml		
86	Potassium hydroxide	MERCK	500g		
87	Potassium iodide	MERCK	500g		
88	Potassium nitrate	MERCK	500g		

89	Potassium Permanganant	MERCK	500g		
90	Red lead oxide	MERCK	500g		
91	Ribose	MERCK	500g		
92	Safferin blue	MERCK	500ml		
93	Seliwanoff's reagent	MERCK	500g		
94	Sodium bicarbonate	MERCK	500g		
95	Sodium carbonate	MERCK	500g		
96	Sodium chloride	MERCK	500g		
97	Sodium hydroxide	MERCK	500g		
98	Sodium metal	MERCK	500g		
99	Sodium nitrate	MERCK	500g		
100	Sodium nitrite	MERCK	500g		
101	Sodium sulphate	MERCK	500g		
102	Spirit	MERCK	500ml or L		
103	Starch	MERCK	500g		
104	Sucrose	MERCK	500g		
105	Sudan III Solution	MERCK	250ml		
106	Sulphur powder	MERCK	500g		
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		