

केन्द्रीय बौद्ध विद्या संस्थान

सम विश्वविद्यालय

चोगलमसर, लेह-लद्दाख

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དབུས་གཞུང་ནང་བའི་རིག་གནས་ལུགས་ལྷན་ཁག་གི་འཕེལ་བྱེད་ཆེན་མོ།  
ལྷོ་གཞུང་གི་སྡེ་ཁག་ལྷན་ཁག་

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## Central Institute of Buddhist Studies

(Deemed to be University)

Choglamsar, Leh-194101, UT. Ladakh

Ministry of Culture Govt of India

NoCIBS/3-65/94/23-24/047.

Dated:- 06/09/2023

### TENDER NOTICE

Sealed Quotations are hereby invited from the authorized dealers for providing essential items for Science Laboratory and Smart Classes . The details of the items are enclosed with this tender notice.

The interested dealers/suppliers should place/submit their quotations, indicating the detailed specifications of the items to this office by or before 11/09/2023. Quotations received after the due date will not be entertained.

(Dr.Konchok Rigzen)  
Administrative Officer

Copy to :-

1. All Dealers of the Essentials Items of Science Laboratory and Smart Classes in the Leh Market
2. Notice Board, Main Market, Leh.
3. Concerned File
4. Website: www.cibs.ac.in

  
01/9/23

(Dr.Konchok Rigzen)  
Administrative Officer

## Equipments required for setting up a science laboratory

### Physics

1. D.C Voltmeter 0-100v-02
2. D.C Voltmeter 0-300-02
3. D.C Ammeter 0-15A-02
4. Multimeter analog-02
5. Digital Multimeter-02
6. Telescope-02
7. Compound Micro Scope-02
8. Physics Balance (Medium)-01
9. Digital Balance- 01
10. Stopwatch- 02
11. Spherometer -01
12. Screw Gauge-01
13. Vernier calliper-01
14. Connecting Wire Roll -01
15. Wire Cutter -01
16. Soldering Rod-01
17. Soldering wire with flux -01 each
18. Magnifying glass with different focal length (concave lens, convex lens, plane mirror plates, concave mirror convex mirror etc. *5 Nos each.*
19. Glass prisim-04
20. Glass slab-04
21. Drawing Board-04
22. Magnetic Rods- 10
23. Magnetic Compass -10
24. Horse Magnet (U-shape)-05
25. Spring Balance-05
26. Steel ball (with a hole for hook) for Pendulum Oscillation. 05
27. Aluminium Ruler cum Lever-04
28. Electric bell with coil and iron core-01
29. Colour disc (for maxing seven colours to form white)-01
30. Laboratory stand with clamp( for performing various experiments)-03
31. Thermometer ( alcohol , Mercury, clinical thermometer ) -04 each
32. Weighing machine-01
33. DC power supply-01
34. Dry cell -01

35. Geometry box wooden( large for black board use)-02
36. Screw Driver Neon Test-02
37. Maximum Minimum Thermometer-01
38. Masses box-01
39. Lens & Mirror Holder-01
40. Keldoscope-02
41. Galvanometer-02

## Chemistry

1. Baro meter, complete with show case-01
2. Beakers- 500ml, 250 ml, 100 ml- 05 each
3. Beakers with Borosilicate glass- 100 ml, 250 ml, 500 ml. – 05 each
4. Beehive shelve 03" – 02
5. Bunsen Burners Brass CP- 10
6. Burette 50cc-05
7. Pipette 25ml (one mark)-02
8. Pipette 5ml to 25 ml-02 each
9. Burette Brush- 04
10. Pipette Brush-04
11. Pipette stand (12 Pipette)-01
12. Burette stand (complete set)-05
13. Capillary tubes (pak superior)-02
14. Capillary tubes (for melting point)-02
15. Conical flask (borosil glass 250 ml)-04
16. China dish 3"-10 pcs
17. Glass funnels with funnel stand=05
18. Round bottom flask 250ml-05
19. Tripod stand-10
20. Wire gauge-25
21. Measuring cylinders with different size-05
22. Glass plates-10
23. Glass rod (different sizes) 05 each
24. Dropper- 10
25. Filter paper- 4 packet
26. Dropping bottle 60ml (plastic)-05
27. Test tube with stands-10 set
28. Calorimeter-02
29. Carbon electrode 6"-06
30. Corks rubber/wooden (assorted size) -5 packet
31. Corks hole driller-2
32. Distillation flask with side arm (250ml borosil glass)=02

33. Evaporation dishes 60cc 3"-06
34. Litmus paper blue-1 (100 strips)
35. Litmus paper red-1 (100 strips)
36. Litmus solution blue-2 bottle
37. Litmus solution red-2 bottle
38. Measuring volumetric flask (10 to 500 ml) – 1 each
39. Measuring cylinder( 10 to 500ml)-1 each
40. Separating funnel 250 and 500 ml- 1 each
41. Specula stainless steel 6" - 2
42. Test tube brushes- 25
43. Tongs iron nickelled 6" - 20
44. Water distillation apparatus, single complete set with stand
45. Watch glass-10
46. PH Value Indicator (100 Paper strips).

#### Chemicals:

Reagents bottle 125 ml, 250 ml, Hydrochloric Acid, Sulphuric Acid, Nitric Acid, Acetic Acid- 1 litre each

Sodium hydroxide, potassium hydroxide, sodium bi carbonate, iodine, barium chloriride, copper sulphate (liquid & crystal), phenophthline, potassium per magnate solution, methyl orange solution, universal indicator.

#### Biology:

1. Dissection box- 02
2. Dissection dishes for insect 10X8-small
3. Dissection microscope with 2 eye pieces 10X and 20X
4. Apron coat- 02
5. Chromatography paper
6. Dissection tray stainless steel- 02
7. Electronic photometer-01
8. Glass slides paper 72 pcs (76X26mm)
9. Glass bell jars 150X225mm
10. Human models eye, heart, kidney, stomach, brain, liver.
11. Permanent slides: Budding in hydra, Congugation of Paramecium, showing unicellular animals/plants transverse section of roots, stem and leaves.
12. Plant Modals: Dicot/root, bifacial leaf, pitcher plant, root monocot, sundew, typical plant cell.
13. Pocket magnifier-03
14. Slide projector-01

15. Starch and iodine paper.
16. Syringe 2ml, 5ml and 10 ml
17. Stethoscope -02
18. Sphygmomanometer (BP Machine Mercury)-01
19. Thistle funnel (glass) medium size-02
20. Watch glass 4 dia medium size-3 each

**Charts:**

Periodic table chart (large size) coloured human digestive system, human excretory system, respiratory system, kidneys, stomach, human reproductive system (Male and Female), Human brains, heart, animal and plant cell chart, skeletal system, human eye, human brain cell, neurons, nephrons, water cycle, nitrogen cycle, carbon dioxide cycle.

**Geographical Apparatus:**

1. Solar system model (3d Plastic), solar and lunar eclipse with candle holder, phases of the moon, green house effect model.

## Detail list of equipment for Smart Class

### 1. Projector:

- a. **Brand:** EPSON
- b. **Series:** POWERLITE 675W 3200-LUMEN WXGA ULTRA-SHORT THROW 3LCD PROJECTOR.
- c. **Mounting type:** Wall mount.



### 2. Smart Interactive white board:

- a. Brand : Smart Technologies
- b. Series: Smart board M700 Series.
- c. Mounting Type: Wall Mount
- d. Item size: 87".



### 3. Document camera

- a. Brand: CZUR
- b. Series: ET16 Plus CZUR Book & Document Scanner with Smart OCR for Mac and Windows
- c. 16 MP



### 4. Digital Podium: Vintage AVcom

- a. Podium size: Front Height- 48 inch, Height (Presenter side)- 42 inch, Width- 24 inch, Depth- 21 inch.
- b. I/O port: 2 USB port, 2 XLR, switching for 4 devices any to any. Side : 2 USB, VGA in/out, Audio in/out, power port, power on/ off switch, inside 6 power plugs, LAN, HDMI, Splitting control.
- c. Touch panel: 19"/22" Touch Panel with 75 degree adjustable tilt.
- d. Drawer/Tray: Drawer for Visualiser, Key Board/Mouse tray and sliding top tray for Laptop.
- e. Inbuilt PC: CPU Core i7, 8 GB RAM, 1TB SSD/SATA HDD, OS Windows 11, key Board and Mouse etc.
- f. Audio system: Amplifier (30-350 Watt), Up to 2 Gooseneck Mics, Speakers (6-60 Watt each), Wireless Mic (20Hz- 20KHz).



5. Table for Camera
6. Laptop ( H.P. processor i7, RAM 8 GB, HDD/SDD 1TB, Screen 14", Win 11 original, 12 Gen )