

BOSE INSTITUTE KOLKATA

Tender No.	CAPSS/15/36/(PRO VII-SSB)/14-15
Tender Date	31/10/2014
Tender Type	OPEN

Tender Title	Requirements for Quantum Optic Lab
Specification	Please see Annexure - 1
Quantity	Please see Annexure - 1

Last Date & Time for submission	25/11/2014 upto 1.00 p.m.
Date & Time for opening bids	25/11/2014 at 2.00 pm
Submission of Tender (address)	CAPSS, Bose Institute, Kolkata 700 091
Venue of bid opening	CAPSS, Bose Institute, Kolkata 700 091
For any query the interested bidders may contact (Dept./Section/Div./Unit)	033 2569 3103

General Terms & Conditions

Warranty	01 year from the date of installation
Payment terms	Payment will be made after complete delivery of the item(s) in good condition and satisfactory installation.
Delivery schedule	Within 45 days from date of order. If any defect in the supplied item is found, it should be replaced immediately from your side.
Bid security (earnest money deposit) if applicable	NO
Submission of Performance Bank Guarantee (PBG), if applicable	NO
Any other information (if applicable)	NA

Name of the instrument and submission of tender should be mentioned on the envelop positively
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Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full without assigning any reasons there for

Senior Professor & In – Charge Registrar’s Office

Annexure – I

Requirements for Quantum Optic Lab

1) BBO crystals

(a) 5 x 5 x 3 mm, Type I non-collinear, for converting 407 nm input to an 814 nm output, signal and idler 3 deg. off of pump, protective P-coating.

QUANTITY – 1

(b) 5 x 5 x 3 mm, Type I non-collinear, for converting 377 nm input to an 754 nm output, signal and idler 3 deg. off of pump, protective P-coating.

QUANTITY -1

2) Half Wave Plates

(a) Zero-Order Half-Wave Plate @ 377 nm; 1/2"

QUANTITY – 1

(b) Zero-Order Half-Wave Plate @ 754 nm; 1/2"

QUANTITY – 4

(c) Zero-Order Half-Wave Plate @ 407 nm; 1/2"

QUANTITY – 1

(d) Zero-Order Half-Wave Plate @ 814 nm; 1/2"

QUANTITY – 4

3) Rotation Mount for 1/2" Optics

Retaining Ring Included

Mountable via External Threads

QUANTITY – 2

4) Bi convex lens

Uncoated, Diameter 1"; focal length = 75.0 mm;

QUANTITY – 3

5) Band Pass Filters

(a) Specification: Band Pass Filter @ 754 ± 2 nm; diameter-1"

QUANTITY – 4

(b) Specification: Band Pass Filter @ 814 ± 2 nm; diameter-1"

QUANTITY – 4

6) Magnetic mounting bases:

25 mm X 75 mm X 10mm.

QUANTITY – 10

7) Mounting bases

25 mm X 75 mm X 10mm.

QUANTITY – 15..

8) Lens mount

Diameter 1" Lens Mount with Internal and External SM1 Threads, M4 Tap

QUANTITY – 10

9) Polarized Beam Splitter

Cube, wavelength 620 - 1000 nm

QUANTITY – 4

10) Beam trap

200nm -800nm

QUANTITY – 1

11) Alignment Laser with Stand

Red Alignment laser /Laser diode module

Collimated Output Beam

Intergrated Beam Shutter

QUANTITY – 1

12) Laser Power Meter

300nm – 450nm

QUANTITY – 1

13) XYZ Translation Stage with Standard Micrometers

3-Axis, Right-Handed XYZ Translators

QUANTITY – 2

14)Angle for mounting 3 stage Translational stage with Standard Micrometers

QUANTITY – 2.

15) Post and Post Holder

5cm height

QUANTITY – 30+30=60

3cm height

QUANTITY – 10+10=20

6cm post

QUANTITY – 10

16) Broad Band Mirrors

UV range , Diameter 1”

QUANTITY – 4

17)Broad Band Mirrors

750-1100nm Diameter 1”

QUANTITY – 2

18)Precision Kinematic Mirror Mounts

Diameter 1” , 3 Adjusters

QUANTITY – 4

19) Flipper mirror Mount

Diameter 1” , 3 Adjusters

QUANTITY – 1

20) Spacers

4.0mm thickness, 2 clearance slots, 9 through holes

QUANTITY – 5.

0.5mm thickness, 2 clearance slots, 9 through holes

QUANTITY – 10.

0.25mm thickness, 2 clearance slots, 9 through holes

QUANTITY – 10.

21) Mini lab Jack

rectangular 4" by 8" , highly stable, 1" when fully collapsed and 4" when fully extended

QUANTITY – 1

22) Compact Lab Jack

Circular, highly stable, 1" when fully collapsed and 4" when fully extended

QUANTITY – 3

23) Square kinematic base

dimension 1"x1" with Central Mounting Hole

Insert and Remove Components with High Repeatability

Top and Bottom Plates magnetically coupled, a complete set.

Quantity -2

24) Circular kinematic base

around 2" dia with Central Mounting Hole

Insert and Remove Components with High Repeatability

Top and Bottom Plates magnetically coupled, a complete set.

Quantity -1

25) Wedged Table Clamp

Quantity -2

26) Unmounted Absorptive Neutral Density Filters 2" x 2"

around 10 times to 100 times attenuation for wavelength range 300-450 nm