

**GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
SOLID STATE PHYSICS DIVISION**

Ref: BARC/ SSPD/ 2018/1037

September 06, 2018

Sub: Minor fabrication: Invitation for quotations for Fabrication, supply and installation of lab furniture and sink at Sample Synthesis Labs, SSPD, BARC.

Quotations are invited for materials as given in attached specification sheet.

Kindly submit your offers along with detailed terms and conditions to **Head, Solid State Physics Division, BARC, Mumbai-400085** on or before **September 20, 2018** in a sealed envelope super scribed with the above reference number and due date given above by Indian post only.

The address on the envelope should read: Head, Solid State Physics Division, BARC, Mumbai-400085. Attn: Dr. A. K. Bera

Terms and conditions:

- 1) The items should be delivered only after pre-despatch inspection carried out to the users' satisfaction for acceptance and for certification of the completion of this order, in all respects.
- 2) **Delivery:** This work order shall be executed within three months from the date of its receipt; the work order may please be acknowledged. **Material is to be delivered to** North Gate, BARC, Mumbai - 400085.
- 3) **Guarantee:** Items supplied/work executed shall be guaranteed against quality material/workmanship for satisfactory intended operation, for a period of 12 months from the date of execution of this order.
- 4) Taxes and excise duties shall be quoted separately.
- 5) **Payment terms:**
Payment in general is made within 30 days of the completion of the order and on production of bill in triplicate along with an advanced stamp receipt for the bill amount and guarantee certificate referred to (3) above.
- 6) Head, SSPD reserves the right to accept /reject any or all quotations without giving any reason.
- 7) **Confidentiality & Publicity Clause**
No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub-contractor, consultants, advisers or employees engaged by a party with equal force.
- 8) **"Restricted information" categories under Section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under Section 5 of the Official Secrets Act, 1923:-**Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.
- 9) **Prohibition against use of BARC's name without permission for publicity purposes:-**The contractor or sub-contractor, consultant, advisor or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, Radio, T.V or Internet without the prior written approval of BARC.

Enclosed: Specifications of material and dimensions of lab furniture and sinks.

Head

Solid State Physics Division

Md. Yusuf 6.9.2018
डॉ. एस.एम. यूसुफ/Dr. S. M. Yusuf
अध्यक्ष, एस.एस.पी.डी. /Head, SSPD
भारत सरकार, भा.प.अ.केंद्र/ Govt of India, BARC
ट्रॉम्बे, मुंबई ४०००८५/Trombay, Mumbai 400085

Annexure-A

Specification for Lab furniture and sink

(i) Work bench-1(Quantity: One)

- Straight
- Working height: 800 mm.
- Working depth: 600 mm.
- Length: 1140 mm.
- 1 Drawer and 1 shutter module with racks (width 450 mm).
- Leg space with key board drawer; width: 600 mm.

(ii) Work bench-2 (Quantity: One)

- L-shape
- Working height: 900 mm.
- Working depth: 800 mm.
- Length: 1745 mm and 480 mm with a corner unit (900×900).
- Corner unit should have one shutter with racks.
- 480 mm side should have 1 Drawer and 1 shutter module with racks (width 450 mm).
- 1745 mm side should have (i) 1 Drawer and 1 shutter module with racks (width 450 mm), (ii) Leg space with key board drawer; width: 600 mm, and (iii) 1 Drawer and 2 shutter module with racks (width 600 mm).

(iii) Work bench-3 (Quantity: One)

- L-shape
- Working height: 800 mm.
- Working depth: 750 mm.
- Length: 1680 mm and 750 mm with a corner unit (900×900).
- Corner unit should have one shutter with racks.
- 750 mm side should have leg space (width: 690 mm).
- 1680 mm side should have (i) two 1 Drawer and 2 shutter module with racks (width 600 mm, each), (ii) 1 Drawer and 1 shutter module with racks (width 450 mm).
- Should have electrical trunking at the back side below the granite top.
- Total 8 switch socket should be provided in the electrical trunking.

(iii) Polypropylene Square Sink (Quantity: One)

- Dimension: 13.5" (L) × 13.5" (W) × 10" (D).
- Working height: 900 mm.
- Working depth: 750 mm.
- Length: 810 mm
- Suitable tap at the top
- Five one way utility tap at the bottom.

(iv) Wall Mounted Overhead File Cabinets (Quantity: Four)

- Size -750 mm (L) x 370 mm (D) x 750 mm (H)
- 2 Shutter with 1 adjustable shelf
- GI Structure
- Float Glass Door

General specifications for all the above items:

- Material of Construction: 1 mm GI sheets as per IS 277 standard.
- WORK TOP: made of (17 to 19mm) thick Jet Black Granite Top with chamfer moulding at the front & groove at the bottom to avoid chemical spillage on the modules. Worktop will be fixed with the module by foam tape, all joints are sealed thru Epoxy sealeant.
- Module : Completely made of 1 mm GI sheets as per IS 277 standard. The sound deadning plastic bumpers to be used while closing the shutter. The entire module is made up of GI panels and are bolted/riveted for achiving maximum strength with high corrossion resistance. The shutters or doors are mounted to the modules by hinges which are openable to 95 degree. Drawers are mounted with the ball bearing based telescopic slides which are sturdy & able to take load upto 30kg. Provision of lock and key.
Length : 450mm / 600mm / 750mm / 900mm (L) (As per above specifications)
Depth : 570mm (D)
Height : 675 mm (H) for work bench-2.
Height : 525 mm (H) for work bench-1 and 3.
- Module Bottom Frame: Made of E.R.W.M.S. square Tubes 30x30mm x 1.2mm thick & angles 25x25mm x 1.2mm thick welded & finished with epoxy powder coating. Level adjustment bolt should be fitted in all legs which have nylon coated head.
- Knee Space area: Openable back cover panel. It must be adjustable + 100 mm, Instrumentation and Sitting area knee space need to be 600 or 750 mm.
- Electrical Trunking: Wall Table: Triangular Electrical Trunking of 120mmD x 120mmH.
- Switch & Sockets: North-West / Norisys make, Electrical Socket with Piano switch 5/15amp with wiring.
- Powder Coating: Complete module & frame work should be processed with 8 tank pre- treatment and finished with highly corrossion resistant 'Akzonbel/PolyBond/Kansai Nerolac/Jotun/equiv' epoxy powder coating with 70 - 80 microns thickness.
- HARDWARE FITTINGS:
 - A) Hinges : CED coated.
 - B) Handle :- S.S. 304 matt finish.
 - C) Screw :- All S.S. 304 Visible Screws.
 - D) Lock : Good quality lock and a pair of keys.
 - E) Drawer Channel : Common sleeve telescopic drawer slides - 45 Kgs
 - F) Utility Taps:- Epoxy powder coated brass taps with DIN 12920 colour coding.

For details and clarification please contact
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