

दुरभाष :  
TELEPHONE :  
तार : बार्क-मुंबई, चेम्बूर,  
TELEGRAMS : BARC-MUMBAI, CHEMBUR  
टेलिग्राम : ०११-६१०१७/०११-६१०२२ बार्क इन  
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भारत सरकार  
GOVERNMENT OF INDIA  
भाभा परमाणु अनुसंधान केंद्र  
BHABHA ATOMIC RESEARCH CENTRE

मुंबई,  
मुंबई-४०० ०८५,  
TROMBAY,  
MUMBAI-400 085.

## Materials Processing and Corrosion Engineering Division

Dr. (Mrs.) Geogy J. Abraham

Scientific Officer (G),

MP&CED,2-352-S Modular Lab

Date: September 5, 2018

Ref: BARC/MP&CED/M-FAB/GJA/18-19/OPA-169380

**Sub. : Minor Fabrication-Lab Furniture-Invitation for Tender**

**Due Date and Time: 1400 hrs on October 15, 2018**

Dear Sirs,

You are requested to provide a quotation for the following minor fabrication work.

Sr.No.	Description of the job	Quantity
1.	Fabrication, testing, supply, installation, commissioning and guarantee of steel laboratory furniture as per technical specification and layout	See Annexure.

(Geogy J. Abraham)

Indenting Officer

P.T.O.

## Notes:

- (1) The quotation, on your Letter Head, should be sent in a sealed envelope by speed post only. The reference no., due date and "Quotation, not to be opened before due date" should be clearly super scribed on top of this sealed envelope. It should reach the undersigned within the due date given above. The quotations received after the due date will not be considered.
- (2) It is to be noted that persons engaged in fabrication work at BARC complex would be required to obtain police clearance certificates for issue of requisite identity cards. The responsibility of all the working personnel lies completely with the Fabricator/Contractor while they are working at MP&CED/BARC.
- (3) Time of completion of job: To be indicated by the fabricator.
- (4) Our engineers at fabricator's works shall subject the fabrication work to inspection. Necessary inspection facilities should be provided to our engineers during fabrication at fabricator's premises.
- (5) Indicate taxes, if extra.
- (6) The Letter Head should incorporate PAN No., TIN No. and other relevant Nos.
- (7) BARC is exempted from payment of octroi and excise duty, maximum ST payable is 5.4%, i.e. 4% ST, 10% SC on ST and 1% Turn over tax. The indenter shall make available the exemption certificates well before the delivery date stipulated in the work order. It shall, however, be the responsibility of the contractor also to ensure that they dispatch the goods only after getting exemption certificates from the indenter.
- (8) Income Tax at 2% and surcharge on IT as applicable, will be deducted from your bill.
- (9) Guarantee Certificate: Equipment fabricated/repared should be guaranteed, for materials and workmanship, for a period of one year from the completion date.
- (10) Indicate delivery terms.
- (11) Payment terms: Payment will be made after the work is completed and on the submission of advance stamped receipt, invoice bill and satisfactory work completion certificate from the user.

## (12) CONFIDENTIALITY CLAUSE

- (a) No party shall disclose any information to any third party concerning the matters under this contract. In particular, any information identical 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 consent.
- (b) **"Resistering 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.
- (c) **Prohibition against use of BARC'S name without permission for publicity purpose:**  
The contractor, sub-contractor, consultant, adviser or the employees of a contractor will 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.

Thanking you.

Yours sincerely,

(Geogy J. Abraham)

On and behalf of President of India

# ANNEXURE-1

## Technical Specification

### **Fabrication, testing, supply, installation, commissioning and guarantee of steel laboratory furniture as per technical specification and layout**

#### **1. Specification of Materials to be used for furniture:**

##### ***Work top:***

14.5 mm Ceramic Top with Chamfer moulding at the front & 2mm groove at the bottom to avoid chemical spillage on the modules.

17-19 mm thick jet black granite top with chamfer moulding at the front and groove at the bottom to avoid chemical spillage.

***Furniture:*** Material of construction: 1mm GI sheets

***Under bench Module:*** Made of 1mm GI sheets as per IS277. The shutter and drawer front should be of sandwich construction. Foam sheet filled in shutter gaps is not allowed. The sound deadening plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module to be made of GI panels that are bolted for high corrosion resistance. Welding of modules is not acceptable. The shutters are to be mounted to the modules by hinges which are openable to 95 degrees and self-closing on return. Lockable roller bearing must be used. The telescopic drawer slides should be sturdy with capacity to take 30 kg load. All modules to have lock and dual key arrangement. The lock ring should be plastic. Modules will have four castors, with front two lockable and the back two non-lockable.

#### **2. Frame:**

Pedestal type. Made of E.R.W.M.S. square Tubes 30x30mm thick & angles 25x25mm thick welded & finished with epoxy powder coating

#### **3. Knee Space Area:**

Foot rest with openable back cover panel. It must be adjustable  $\pm 100$ mm  
Instrumentation and sitting area knee space to be 600 or 750 mm.

#### **4. Reagent Rack:**

Side table: Two tier adjustable reagent shelf: Reagent Rack will be of 150mmD X 600mmH

#### **5. Shutters and Drawers:**

Shall be made in combination of 18SWG, 20 SWG and 22 SWG GI steel sheets as well as its pressed steel sections. Powder coated as per specification for powder coating.

#### **5. Powder Coating:**

Complete modules and frame work and shutters are to be processed with 8-tank pre-treatment and finished with highly corrosion resistant Akzonbel/Polybond epoxy powder coating with 70-80 microns thickness and 1000 hours salt spray test passed.

#### **6. Electrical:**

Triangular electrical trunking of 120 mm D x 120 mm H. North-West/Norisys make electrical

sockets with MCB switch 5/15 A with wiring. North-West/Norisys make RJ-45 type data point fixed on electrical trunking

## **7. Hardware fittings:**

**Hinges:** Haffle make CED coated

**Handle:** SS 304 matt finish

**Screw:** All SS 304 visible screws

**Drawer Channel:** Haffle make common sleeve telescopic drawer slides-45kgs

**Lock:** Hafele or equivalent lock with plastic ring and a pair of keys

**Utility Taps:** Epoxy powder coated brass taps with DIN 12920 colour coding.

**Peg board:** Acrylic support Peg Board 750 mm x 750 mm with 30 PP pegs with SS collection tray.

Description, Size and Quantity (Room No 2-352-S, Modular lab)

Sr. no.	Description	Unit	Qty
1.	Ceramic worktop (14.5 mm) Thk for Table 1&2	Sqft.	34.00
2.	Granite work top- 17- 19 mm thickness (other tables)	Sq.ft.	172 (as per table size)
3.	1 Drawer & 2 Shutters- for table 600mm(L)*570mm (D)*675mm(H)	Nos.	1.00
4.	3 Drawer module with Open Top - for table 600mm(L) *570mm (D)*675mm(H)	Nos.	1.00
5.	2 Shutters Sink Unit - for table 600mm(L) *570mm (D)*675mm(H)	Nos.	1.00
6.	1 Drawer & 2 Shutters- for table 750mm(L) *570mm (D)*675mm(H)	Nos.	5.00
7.	3 Drawer module with Open Top - for table 750mm(L) *570mm (D)*670mm(H)	Nos.	5.00
8.	1 Drawer & 1 Shutter- for table 450 mm(L)LHS *570mm (D)*575mm(H)	Nos.	1.00
9.	1 Drawer & 1 Shutter- 450 mm(L) Right *570mm (D)*575mm(H)	Nos.	1.00
10.	3 Drawers - 450 mm(L) (First Drawer Lockable) *570mm (D)*575mm(H)	Nos.	2.00
11.	175 mm(H) Pedestal - 450 mm	Nos.	4.00
12.	175 mm(H) Pedestal - 750 mm	Nos.	10.00
13.	175 mm(H) Pedestal - 600 mm	Nos.	3.00
14.	Leg Space-620 mm(L) with Foot Rest And Back Panel(size:-620 mm(L) x 575 mm(H))	Nos.	6.00
15.	Leg Space-750 mm(L) with Foot Rest And Back Panel(size:-750 mm(L) x 675 mm(H))	Nos.	3.00
16.	Leg Space-800 mm(L) with Foot Rest And Back Panel(size:-800 mm(L) x 525 mm(H))	Nos.	2.00
17.	Gap Closing Panel for L stand ( Table 750 mm(H))- 488 mm(W) X 493 mm(H)	Nos.	4.00
18.	Gap Closing Panel ( Table 750 mm(W) )- 150 mm(W) X 525 mm(H)	Nos.	3.00
19.	Elect Trunking Box Str. Single side Without wiring (Wall Table)900 mm(L) X 120 mm(W) X 120 mm(H)	Nos.	2.00
20.	Reagent Rack:2 Tier Str. with Switch & Sockets w/o Wiring with 3mm Friction Glass 1350 mm(L) X 150 mm(W) X 600 mm(H)	Nos.	1.00
21.	2 Tier Str. with Switch & Sockets w/o Wiring with 3mm Friction Glass 1500 mm(L) X 150 mm(W) X 600 mm(H)	Nos.	3.00
22.	Electrical Data Point Without Wiring	Nos.	2.00
23.	Elect. Socket with Piano Switch 5/15Amp (Northwest/ Norisys Make) <b>With Wiring</b> (2.5 Sq.mm FRLS)	Nos.	14.00
24.	Anti-Vibration Table: 900 mm(L) X 600 mm(D) X 900 mm(H)	Nos.	1.00
25.	Cable Organizer Ø 60mm	Nos.	2.00
26.	Keyboard drawer	Nos.	2.00
27.	CPU Stand with Caster Wheel - Adjustable length	Nos.	8.00
28.	Furniture Peg Board Big Size: 750Mm L X 750Mm H ( 30 Pegs.) With SS Collection Tray.	Nos.	1.00
29.	One Way Water Tap-Gooseneck Type (Far-Italy)	Nos.	1.00
30.	High Rise Revolving Stool (seat cover will be black) - With cushion in seat & back, Metal stand with ring type footrest & castors & Gas Lift.	Nos.	3.00
31.	PP SQUARE SINK 13.5"LX13.5"WX10"D	Nos.	1.00
32.	Panels (Table 750 mm(H))- 1000 mm(L) x 525 mm(H)	Nos.	8.00
33.	50 mm Thick PLY & LAMINATE FINISH PARTITION WITH SOFTBOARD- 1500 mmL X 1200 mm H.- For Table No. 1 and Table No. 2	Nos.	2.00

34.	Frame Table :1460 mm L X 570 mm D X 750 mm H.	Nos.	2.00
35.	50 mm Thick PLY & LAMINATE FINISH PARTITION WITH SOFTBOARD- 1500 mmL X 1200 mm H.- For Table No. 1 and Table No. 2	Nos.	2.00
36.	Frame Table :1460 mm L X 570 mm D X 750 mm H.	Nos.	2.00

