GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
RADIOCHEMISTRY & ISOTOPE GROUP
RADIOCHEMISTRY DIVISION

Notice Inviting Tender

Ref: RCD/ SS/2020/ OPD/ 10877 Date: 29.10.2020

Sealed quotations are invited on behalf of the President of India by Head, RCD for following work from the fabricators having adequate experience and capabilities to execute similar kind and magnitude of work and who have similar experience with various units of Department of Atomic Energy (DAE), Nuclear Power Corporation of India Ltd, Public Sector Undertakings etc.

Sub: Fabrication, Supply & Installation of Work Stations for Counting room and Electronics Laboratory

Scope of work:
(A) Fabrication, supply & installation of Work Stations for counting room and electronics laboratory as per the specifications mentioned in Annexure - I
(The work stations will be used for mounting heavy instruments, therefore the fabricator should strictly adhere to the material of the frame mentioned in the Annexure –I. The dimensions mentioned in the annexure-I should be strictly followed.)

(B) The personnel who work on behalf of the contract at our site should satisfy all the norms of contractual radiation workers as required by the Department of Atomic Energy.

Please note the following:
1. The work is to be completed within 45 days from the date of issue of work order including monsoon period.
2. Fabricators can seek clarifications regarding any queries relevant to the work on any working days between 14.00 hrs to 16.00 hrs from 03/11/2020 to 13/11/2020.
3. The sealed quotations shall reach the office of the RCD, RLG, Mumbai – 85 on or before 13/11/2020, 16:00 hrs by Indian Post only.
4. Please address your offer to: Dr. Suparna Sodaye, SO G, Radiochemistry Division, RC & IG, RLG, BARC, Trombay, Mumbai-400 085.
5. The quotations are to be sent in a sealed envelope with the following information marked on top of the envelope: “Fabrication, Supply & Installation of Work Stations for Counting room and Electronics Laboratory”
6. Offers sent by telegram, telex, fax or e-mail will not be considered.
7. Quotation should be on the printed letter head of the fabricator's firm. Quotation must include Sales Tax Registration Number, PAN Number, and Service Registration Number of the firm. Quotations without these details shall be considered incomplete and will not be taken into consideration.

8. All taxes such as GST must be stated clearly in the quotation.

9. Quotation should be signed by proprietor or authorized person and affixed with company seal. Quotations without company seal shall be considered incomplete and will not be taken into consideration.

10. Computer generated quotation form will not be accepted.

11. Income Tax @2%, surcharge on IT as applicable and educational cess @3% (on IT & surcharge) will be deducted at source from your bill.

12. Offer should be on free delivery basis to RLG Zonal Stores, BARC, Trombay.

13. Pre-dispatch inspection of work stations for counting room and electronics laboratory will be done at fabricator's site.

14. Delivery period should be mentioned with all the possible consideration.

15. The payment will be made only after the approval of the delivery and no advance payment shall be admissible.

Yours sincerely,

Suparna Sodaye

SO G, RCD
ANNEXURE 1

Fabrication, Supply & Installation of Work Stations for Counting room and Electronics laboratory

Specifications for Laboratory work stations

Following work station tables are to be fabricated as per design given below:

(A) Counting room
1. Instrument table with body made of 18G GI sheets as per IS 277 standard. Shutter and shelf (1 unit), Table Top Scutring Back side with perforated 450mm H, Table top 16G GI sheet as per IS 277 standard, Dimension: 1000 mm (L) x 800mm (W) x 750mm (H)
2. Instrument table with body made of 18G GI sheets as per IS 277 standard. Shutter and shelf (1 unit), Table Top Scutring Back side with perforated 450mm H, Table top 16G GI sheet as per IS 277 standard, Dimension: 700 mm (L) x 800mm (W) x 750mm (H)
3. Instrument table with body made of 18G GI sheets as per IS 277 standard. Shutter and shelf (2 units), Table Top Scutring Back side with perforated 450mm H, Table top 16G GI sheet as per IS 277 standard, Dimension: 1500 mm (L) x 800mm (W) x 750mm (H)
4. Wall storage cupboard with body made of 20G GI sheets as per IS 277 standard, front door metal. Size - 750 mm (L) x 320 mm(W) x 650 mm(H)

Important

(i) TABLE TOP
a) Table top of should have thickness 16G GI metal sheets as per IS 277 standard
b) The supplied material should be fire resistant.

(ii) UNDERBENCH STORAGE MODULES
a) Completely made of 18 G (1.2 mm) GI sheets as per IS 277 standard.
b) The shutter & drawer front should be of sandwich construction.
c) Foam sheet filled in shutter gaps mandatory.
d) The sound deadening foam sheet to be used to minimize banging noise while closing the shutter
e) The shutters are mounted to the modules by hinges which are openable to 90 degree & self closing on return.
f) The shelves inside the shutter should be very sturdy & able to take load upto 500Kg.
g) All modules to have lock and key arrangement.
h) Modules completely finished with epoxy powder coating with minimum coating layer of 70 to 80 micron.

(iii) HARDWARE FITTINGS
a. Hinges:- Steel nickel plated
b. Handle:- S.S. Handle
c. Screw:- All S.S. 304 Visible Screws.
d. Lock:- Multi Purpose Lock with a pair of keys
(iv) **Wall storage units**
   
a. Should be made of 18 G (1.2 mm) GI sheets as per IS 277 standard.
b. Should have one shelf
c. Door should be metal door.

(v) **POWDER COATING**

Complete module & frame work are processed with 9 tank pre-treatment and finished with highly corrosion resistant epoxy powder coating with 70 - 80 microns

**Counting room**

1. *Working Table (1000 mm (L) x 800 mm (W) x 750 mm (H))*

![Diagram of Working Table (1000 mm (L) x 800 mm (W) x 750 mm (H))](image)

2. *Working Table (700 mm (L) x 800 mm (W) x 750 mm (H))*

![Diagram of Working Table (700 mm (L) x 800 mm (W) x 750 mm (H))](image)
3. Working Table (1500 mm (L) x 800 mm (W) x 750 mm (H))

4. Wall Mounting Storage units (metal door)
5. Lab furniture with body made of 20G GI sheets as per IS 277 standard, Drawer, Shutter, Leg Space and Fire Resistant Electrical Trunking. Work surface Jet black Granite Top 20mm ; Size: 3395 mm (L) x 825 mm (W) x 750 mm (H)

6. Lab furniture with body made of 20G GI sheets as per IS 277 standard, L shaped, Drawer, Shutter and Fire Resistant Electrical Trunking. Work surface Jet black Granite Top 20mm. Size - 1125 mm (L) x 1125 mm(W) x 750 mm(H)

7. Lab furniture with body made of 20G GI sheets as per IS 277 standard, Drawer, Shutter, Leg Space and Fire Resistant Electrical Trunking. Work surface Jet black Granite Top 20mm ; Size: 4525 mm (L) x 825mm(W) x 750 mm(H).

8. Lab furniture with body made of 20G GI sheets as per IS 277 standard, Drawer, Shutter and Fire Resistant Electrical Trunking. Work surface Jet black Granite Top 20mm ; Size: 6480 mm (L) x 825 mm(W) x 750 mm(H)

9. Lab furniture with body made of 20G GI sheets as per IS 277 standard, Drawer, Shutter, reagent rack and Fire Resistant Electrical Trunking with high working stools Work surface Jet black Granite Top 20mm ; Size: 2550 mm (L) x 1800 mm(W) x 900 mm(H)

10. Wall storage cupboard with body made of 20G GI sheets as per IS 277 standard, front door glass with metal frame. Size - 600 mm (L) x 320 mm(W) x 650 mm(H)

**Important**

(i) **TABLE TOP**

a) Black Granite top of 20 mm thickness
b) The metal sheets should have thickness of 1.02 mm (18 gauge)
c) Fire Resistant Electrical Trunking should be there on the top through electrical race way fitted with 6/16 amp sockets & MCB Type Switch

(ii) **PEDESTAL FRAMES**

a) Made of E.R.W.M.S. Rectangular Tubes 30x30mm 1.6 thick & angles 30x30mm 1.6 thick welded & finished
b) 3 Adjustable Lever bolt

(iii) **UNDERBENCH STORAGE MODULES**

a) Completely made of 20 G GI sheets as per IS 277 standard.
b) The shutter & drawer front should be of sandwich construction.
c) Foam sheet filled in shutter gaps mandatory.
d) The sound deadening foam sheet to be used to minimize banging noise while closing the shutter
e) The shutters are mounted to the modules by hinges which are openable to 90 degree & self closing on return.
f) Lockable roller bearing to be used so that the drawer will not fall.
g) The drawer slides which should be very sturdy & able to take load upto 30kg to 40Kg. All modules to have lock and key arrangement.
(iv) HARDWARE FITTINGS

a. Hinges: Steel nickel plated
b. Handle: S.S. Handle
d. Lock: Multi Purpose Lock with a pair of keys
e. Industrial Switch MCB 16 Amp Switch
f. Industrial Type 6/16 Amp Socket

(vi) Wall storage units
a. Should be made of 18 G (1.2 mm) GI sheets as per IS 277 standard.
b. Should have one shelf
c. Door should be glass door with metal frame.

(v) POWDER COATING

Complete module & frame work are processed with 9 tank pre-treatment and finished with highly corrosion resistant epoxy powder coating with 70 - 80 microns

PRE-DISPATCH INSPECTION OF LAB FURNITURE WILL BE DONE AT FABRICATOR’S SITE

Electronics Laboratory

5. Working Table: Size: 3395mm (L) x 825 mm (W) x 750 mm (H)
6. **Working Table**: Size: 1125 mm (L) x 1125 mm (W) x 750 mm (H)

7. **Working Table**: Size: 4525 mm (L) x 1050 mm (W) x 750 mm (H)

8. **Working Table**: Size: 6480 mm (L) x 825 mm (W) x 750 mm (H)
9. Island Working Table: Size: 2550 mm (L) x 1800 mm (W) x 900 mm (H)

One Reagent Rack: 2500 mm L x 300 mm W x 730 mm
Fitted with 8 Nos Electrical switch sockets

Front View
Back side also same

10. Wall Mounting Storage units (Glass door and metal frame)