GOVERNMENT OF INDIA
Bhabha Atomic Research Centre
Reactivity Control Mechanism Section (RCMS)

Ref: RTD/RCMS/ AKB/2020/MF/INQ/108453 Date: 29/10/2020

Minor Fabrication - Invitation of quotations

Sub: Augmentation of partitions of the mechanism handling and sitting area in RCM Workshop as per Annexure-1 & 2.

Dear Sir,

1. Quotations are invited for the minor fabrication job as per enclosed Annexure-I.
2. No insurance policy is required as no free issue material (FIM) is issued to supplier.
3. Taxes shall be quoted separately. The above work is required for R & D works.
4. PAN and GST nos. of suppliers are mandatory along with offer.
5. The quotations must reach Head, Refuelling Technology Division by 13/11/2020 and must be sent in a sealed envelope super-scribed with the above reference number by speed post and due date given above.
6. The address on the envelope should read:
   The Head,
   Refuelling Technology Division
   Bhabha Atomic Research Centre
   North Site, Trombay, Mumbai-400085.

7. The fabrication work shall be subject to inspection by our engineer. The finished component shall not be dispatched prior to approval by our engineer at bidder’s works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder’s premises.
8. The bidder shall deliver the finished components after approval by our engineer, within 2 months from the date the firm work order issued to the bidder.
9. Head, Refuelling Technology Division, BARC, reserve the right to accept/reject any or all quotations without assigning any reason.
10. Supplier should clearly indicate the delivery period.
11. Incomplete offer/offer received after due date will not considered.
12. Quotations should be preferably neatly typed and corrections are not acceptable.
13. For detailed study, Annexure 1 and 2 may please be downloaded from the BARC site http://www.barc.gov.in.

Encl.: as above

Head, RTD
Annexure I

(A). Scope of work:

This job involves:

1. Removal of the existing partition.
2. Providing the new partitions with sliding doors.
3. Augmentation in false ceiling as per site condition.
4. Providing two workstations.
5. Installation of PVC flooring, window net and window vanishing blinds.
6. Providing white board and Display Monitor stand.
7. Shifting and arranging the existing furniture and associated wiring.

The details of the work is covered in annexure-II.

Supplier may visit the site for the assessment of job with prior permission, if required.

(B) Work quality:
All work shall be done with good workmanship and material. All the ISI marked material shall be used. Time to time our supervisor/Engineer will witness the working and procedures.

(C) Security permission:
Contractor shall appoint the worker with high integrity and will be responsible for works of his workers. All BARC security rules will be applicable. All workers shall have PVC. Entry permit will be issued on weekly basis and contractor must have valid photo pass. Vendor /Contractor should have pre-cleaned Security Vetting of his Company/Firm as per BARC Security rules.

(D) Work period
After the supply of firm work order, the work shall be completed in 02 months.

(E) General Specifications

1.0 Quality surveillance, inspection
All work covered by the specification shall be subject to quality surveillance / inspection by the purchase or his authorized representative. No Insurance policy is required for the free issue material as the job is done in house.

2.0 Sub-Contract
The fabricator shall not sub-contract any or all the work without written consent from the purchaser. The Fabricator shall be responsible to the purchaser for all work the sub-contractor of the fabricator, if allowed the purchaser.

3.0 Payment
Payment will be made only after satisfactory completion of work and against submission of original bill in triplicate and advance stamped receipt.

4.0 Tax
Income Tax of 2% on the bill amount and surcharge as applicable shall be deducted in payment.
5.0 Confidentiality

5.1 No party shall disclose any information to any third party concerning the matters under this contract generally. I particular, any information identified as "Proprietary" in nature by 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 sub-contractors, consultants, advisors or the employees engaged by a party with equal force.

5.2 "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, advisor or the employees of the contractor will invite penal consequences under the aforesaid legislation.

5.3 Against use of BARC’s name without permission for publicity purpose:- 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

(Head, RTD)
Annexure II

Specifications:

1. The general layout of the proposed work is given in fig.1.
2. The Details of the work is given in table-1
3. Based on the details, layout and site condition the supplier shall prepare the layout drawings along with details of material.
4. Terms and conditions with General Specifications:
   1) Supplier must offer best quality/IS certified products for the manufacture of workstation and partition. However supplier will be responsible for supply, installation and post services if any.
   2) WS items should be made of genuine boiling waterproof marine plywood only. The raw material should be stain proof, scratch proof and water resistant for continuous and long life, should not be made of PARTICLE Boards and such offers will be rejected.
   3) Working surfaces should have BTC Knot less lapping /moulding wood. The tables and filing cabinets should have good load bearing capacity of 500kg or more without causing any sag or bend to carry the load of heavy instruments, such as heavy duty printers, Xerox machines, scanners, hardbound books, documents etc.
   4) All wooden components in the structure should be given anti-termite treatment before use. They should have adequate insulation for 230V AC supply.
   5) All Corners should have rounded with PVC edging/bidding. All metal structures should have provision for proper electrical grounding. Good Quality make hardware should be used. All steel components should be followed by electrostatic painting process confirming to IS: 101-1964-CL 15 or better. The Process should preferably confirm to IS: 2074-1962 or better. All steel components should be made of cold rolled close annealed tested steel.
   6) All Aluminum section and sheet of glass and ACP shall be as per given size.
   7) The rectification/ modification of false roofing shall be carried out as per the site condition and in line with the matching with existing scheme.
   8) The sliding door shall be provided with trouble free mechanism and in accordance to load capacity.
   9) Before starting manufacturing, the Supplier should depute one technician/carpenter to see the location and fixing of items.
10) Sample Unit is required for confirming the quality of material, workmanship for approval.
11) All the items should be made as per specifications and drawing provided with tender enquiry.
12) All available color schemes are to be submitted for approval by the purchaser/user.
13) For all the locks, minimum two set of keys should be provided.
14) The supplier should inform us about 15 days in advance before planning the installations.
15) The supplier should have working staff holding police verification certificate, for the supply and installations at user site.
16) Workshop inspection will be done at supplier site before fixing sun-mica and polishing the products.
17) Free on-site Guarantee for 12 months must be provided by the suppliers.
18) The product should have tested as per BIFMA standards.
19) Corners of the Table Top Glasses will be according to corners of workstation tables and computer tables.
20) Pre-dispatch Inspection will be done at supplier site before packing the products for delivery to BARC.
21) Due to aesthetic and onsite installation reasons, the all items will be accepted from a single supplier only.

Table: 1

<table>
<thead>
<tr>
<th>Details</th>
<th>Specifications</th>
</tr>
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<tbody>
<tr>
<td>PARTLY GLAZED ALUMINIUM PARTITION/ SHUTTERS</td>
<td>a. The partition to be made of 100 mm x 45 mm x 16 G anodized aluminum sections.</td>
</tr>
<tr>
<td>(Please refer A in fig)</td>
<td>b. The lower portion of the partition to have 4 mm thick exterior grade BS FR grade ACP.</td>
</tr>
<tr>
<td>Size: 240 SqF</td>
<td>c. The top portion of the partition to have 5 mm thick frosted glass.</td>
</tr>
<tr>
<td></td>
<td>d. The partition to have 01 nos. of sliding shutters with locking arrangement.</td>
</tr>
</tbody>
</table>

| PARTLY GLAZED ALUMINIUM PARTITION/ SHUTTERS | a. The partition to be made of 100 mm x 45 mm x 16 G anodized aluminum sections. |
| (Please refer B in fig):                    | b. The lower portion of the partition to have 4 mm thick exterior grade BS FR grade ACP. |
| Size: 220SqF                                 | c. The top portion of the partition to have 5 mm thick frosted glass.           |
|                                              | d. The partition shall have one fixed and 02 nos. of movable sliding shutters with locking arrangement mounted on ball bearing rollers to suit the site condition. |

| DISMANTLING OF EXISTING ALUMINIUM PARTITION  | a. Job includes Dismantling PARTLY GLAZED ALUMINIUM PARTITION with best of finish and workmanship using new screws etc. |
| (Please refer C in fig):                     | b. Re-fixing/ maintenance of the false ceiling with the after removal of partition. |
| Size:240SqF                                  | c. Disposal of the unused material.                                             |

| DISMANTLING OF EXISTING FALSE CEILING         | a. The false ceiling to be removed for the access to CBP.                      |
| (Please refer D in fig):                      | b. The all sides to be covered for aesthetic look and AC requirements.         |
| Size:115 SqF                                  |                                                                               |

| REPLACING A HINGED DOOR TO SLIDING DOOR       | a. Job includes removal of the hinged door.                                    |
|                                              | b. Converting it in sliding door and installing it                             |
### WORK STATION
(Please refer F in fig).

**Qty:** One No.

**WORK STATION**

- Working surface Area: 20SqF
- BWP grade marine plywood duly laminated on both sides.
- The unit to be made 19 mm thick marine plywood.
- The top of the units to be 25 mm thick and duly laminated on both sides.
- The outer sides to be laminated with 1.0 mm thick laminate Sun mica and the inner sides to be laminated with balancing grade laminate.
- The unit to have 01 no. key board tray mounted on telescopic channels, 01 CPU trolley.
- The back panel to be made of 19 mm thick marine plywood duly laminated on both sides. Both sides of back panel to be laminated with 1.0 mm thick laminate of Sun mica.
- The sides to be fitted with levelers.
- The edges of the top to be fixed with 8 mm thick solid wood lipping duly polished.
- The unit to be provided with 6 mm thick float glass top with machine polished edges.
- Low height partition with pin board to match the existing work station.
- Fabric and color should be in line with the existing work station.

### THREE DRAWER MOBILE STORAGE UNIT.
(Please refer F in fig)

**Qty:** 4 Nos.

**THREE DRAWER MOBILE STORAGE UNIT.**

- Mobile storage unit Size: 400x 50x 600mm.
- 3 drawers made of 12 mm thick marine plywood having common key locking arrangement.
- The unit to be fitted with ball type castors.
- The outer casing box of the unit to made of 19 mm thick marine plywood duly laminated on both sides.
- The outer sides to be laminated with 1.00 mm thick laminate of Sun mica while inner sides to be laminated with 0.70 mm thick laminate of Sun mica.
- The back panel to be made of 6mm thick marine plywood duly laminated on both sides.
- Both sides of back panel to be laminated with
0.70 mm thick laminate of Sun mica make. The drawers to be mounted on durable telescopic channels.

| PVC FLOORING | a. 3 mm thick PVC flooring in wooden finish.  
(Please refer G in fig).  
Size: 350 SqF  
b. Job includes levelling of surface with POP.  
c. Fixing UV coated PVC flooring with best of finish and workmanship. |
|--------------|--------------------------------------------------------------------------------------------------|

| WINDOW VERTICAL VANISHING BLINDS and ALUMINUM NET | a. 100% woven polyester polymer coated with glass fibre.  
b. Hardware is constructed from extruded aluminum sections.  
c. Fabric should be UV resistant.  
d. The operating hardware shall be cycle tested to ensure long term durability.  
e. Aluminum net is to be provided on the three windows. |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------|
| (Please refer H in fig).  
Blind Size: 56 SqF  
AL Net Sixe: 12x3 Sqf | a. A suitable white board for the use of projector and writing purpose shall be installed at suitable location.  
b. A stand shall be provided for display screen at a suitable place. |
| WHITE BOARD and SCREEN STAND |  
(Please refer I in fig).  
Size: White Board: 4’x8’ |  
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Fig-1: General Lay out of the Area.