GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
REACTOR SAFETY DIVISION
MF- (Enquiry)

Engg. Hall No. 7,
Trombay, Mumbai- 400 085

Ref: RSD/SSES/SB/MF/2021/ I/4080 **Date:** 27/10/ /2021

Sub: Minor Repairs/ fabrication- invitation to quote

Dear Sir/ Madam,

Sealed quotations are invited by Head, Reactor Safety Division, BARC for the minor fabrication job as per the following requirements:

SCOPE:

The scope of work broadly involves the following:

A. Procurement, Supply, fabrication, installation and assembly of laminar box at Hall -11, BARC as per Annexure - I.

Sealed quotations are invited by Head, RSD for Tender Enquiry related to Supply fabrication and installation of various steel/ aluminium component and assembly laminar box and corresponding items in Hall-11, BARC, Mumbai, as per Annexure-I.

In the light of the above, kindly refer to the following guidelines:

1. Bidder should quote lump sum cost of total work. The sales tax, excise duty and other taxes and charges, if any, shall be indicated separately. **The bidder shall submit complete information asked in the enquiry, otherwise his/her quotations will not be accepted.**
2. The envelope should be **super scribed "Minor Fabrication- Laminar box set up – BARC, Mumbai"** and indicate the **12/11/2021** and Office **Ref. No.** clearly. The envelope should be sealed.
3. The quotations must reach Head, RSD, Engg. Hall No. 7, BARC, Trombay, Mumbai- 400 085 on or before **11/11/2021.**
4. The quotation will be opened on **12/11/2021**.
5. The necessary items as given in the enclosed technical specifications will be provided by the supplier.
6. The complete work would be carried out at Engg. Hall-11, BARC, Trombay, Mumbai
7. It is duty of the supplier to arrange PVC, entry permit and fulfill all necessary security formalities of the workers engaged in the above job.
8. The interested vendor may contact Shri Srijit Bandyopadhyay for drawings and other technical specifications of the job through email srijit@barc.gov.in.
9. In case the bidder needs to understand the full scope of this work before submitting the quotation, it may be done by prior appointment with Shri Srijit Bandyopadhyay, SO/E, Engg. Hall No. 11, BARC, Trombay, Mumbai- 400085 on ph no. 25595809 or through mail srijit@barc.gov.in.
10. **NO FIM**
11. **Work should be completed within 60 working days from the date of receipt of the order.**
12. The price quoted should be valid for at least 60 days from the date of opening of the quotation.
13. The work is linked with the experimental research activities related to performing soil structure interaction at BARC Mumbai. The contractor shall ensure to be timely present at the site as and when required.

14. A brief list of similar jobs executed earlier, if any, and the name of the organization for which the work was carried out should be furnished with the quotation.
15. All Taxes and excise duty shall be quoted separately. Form H and excise duty exemption certificate shall be given along with the order if necessary.
16. Payment will be made as per Government Rules after successful and satisfactory completion of the job.
17. The minor fabrication work will be subject to inspection/supervision by the indenting officer or his authorized representative.
18. The bidder shall specify that "whether he/she has any relative in BARC or the bidder himself/ herself is an ex-employee of BARC or the bidder has an ex-employee of DAE on his payrolls", if any, the supplier shall indicate full details of the concerned person in their quotation.
19. Head, Reactor Safety Division reserves the right to accept/reject any or all of the quotations received without assigning any reason whatsoever.
20. The necessary manpower and consumable items required are included in the scope of work and the same are to be supplied by manufacturer. Bidders are required to furnish PAN No. & VAT / Sales tax registration No. in their offer.
21. **The contractor shall note that BARC reserves the right to increase or decrease the quantum of the job mentioned here in this tender document, however this will not be more than +/- 25 % of what is specified in the quote.**
22. Payment will be made as per rules after 100% completion of the job satisfactorily as per Government rules. No part payment will be made during the course of fabrication.
23. Any delay which is attributable to the contractor is liable for **penalty @ ½ % per week (max. 5 %)** to be imposed on the contractor.
24. Post installation inspection:
    a. After installation of the table and sliding arrangement, a functional trail of the plate should be checked. Table should able to move freely 40 times in to and fro directions.

1. Confidentiality Clause:

a) No party shall discuss 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 & shall not be disclosed to any third party without the prior written consent of the original disclosing party.

b) Any contravention of the above mention provisions by any contractor, sub-contractor, consultant, advisor or the employees of a contractor will invite penal consequences under the aforesaid legislation.

c) The contractor or subcontractor, consultant, adviser 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.

Encl: Annexure I,

Yours Sincerely

J. Chattopadhyay 27/10/2021.

(Dr. J. Chattyopadhyay)
Head, Reactor Safety Division.
(For & On behalf of President of India)

डॉ. जे. चट्टोपाध्याय/Dr. J. Chattopadhyay
अध्यक्ष, रिएक्टर संरक्षा प्रभाग
Head, Reactor Safety Division
भारत सरकार/Government of India
भा.प.अ.केंद्र, ट्रॉम्बे/BARC, Trombay
मुंबई-400 085./Mumbai-400 085.

forwarded
Y. Parulekar
26.10.2021

Copy to: 1. Dr. (Smt.) Y. M. Parulekar, SO/H , SSES, RSD
2 Shri Srijit Bandyopadhyay, SO/E,SSES,RSD.
3. APO, RSD
4. Store Keeper, RED
4. Accounts Officer, GSS, CC.

Annexure 1
Technical Specifications
For

"Procurement, Supply, fabrication, installation and assembly of laminar box at Hall -11, BARC as per Annexure - I.

1.0 Scope & Applicable Drawings

The scope of the work is limited to Procurement, Supply, fabrication, installation and assembly of laminar box at Hall -11, BARC as per Annexure - I.

The work shall be in general as per the drawings. Minor changes may have to be made in fabrication drawings depending on the actual difficulties faced during the fabrication. Contractor shall prepare detailed fabrication drawings and get it approved from Engineer-in-charge before start of work. The detailed fabrication drawings shall be used as final drawing for record purpose. The Engineer reserves the right at any time to make minor alternations/additions to the specifications.

1.3 Scope of supply for the contractor

All the materials required for fabrication are in the scope of supply of contractor. The quality of the raw material shall meet the desired specifications / standards and shall satisfy the concerned engineers / user department.

1.4 Bill of quantities:

The estimated bill of quantities are given in Table-1. Minor changes in the bill of quantities may be made as per site condition. Minor change in the bill of quantities cannot be an excuse for the revision of prices.

1.5 Scope of Work

The details of required fabrication drawing under this fabrication work will be given to the successful bidder. A drawing is attached herewith for reference. The scopes of work for the bidder are as follows.

Above mentioned job involves the following:

1. Procurement, Supply, fabrication, installation and assembly of laminar box at Hall -11, BARC as per Table-1.

2.0 Material & Workmanship

All materials, standard parts, processes & workmanship, required for fulfilment of this specification, which are not specifically designated herein shall be of good quality and shall comply with best standards of manufacturing practice for piping and equipment and shall be subject to the approval by the Purchaser.

Ball roller arrangement, aluminum section profile will be inspected before the supply and installation of the same in the set up. Ball roller arrangement and aluminium section profile should be such that aluminum section can move freely over the roller. Details of ball roller arrangement should comply the specification given in Table-2. A aluminium profile drawing are shown in Figure 1. **Vendor should mention the profile detail in the tender along with a profile drawing.**

4.0 Fabrication place

The work shall be carried out at our site i.e. Hall-11, BARC.

5.0 Inspection & Testing
5.1 General

The contractor shall provide all the service & facilities for all the inspection required under this specification.

5.2 Inspection failure

In the event of the failure of any component to meet an inspection requirement specified herein, the contractor shall notify the purchaser's engineer & obtain his permission before repair work is undertaken.

6.0 Guarantee

The contractor shall guarantee for a period of 12 months against defects in materials supplied by him, and workmanship. The contractor shall rectify any such defects, free of cost, to the entire satisfaction of the Purchaser.

7.0 Quantity of work and estimate procedure:

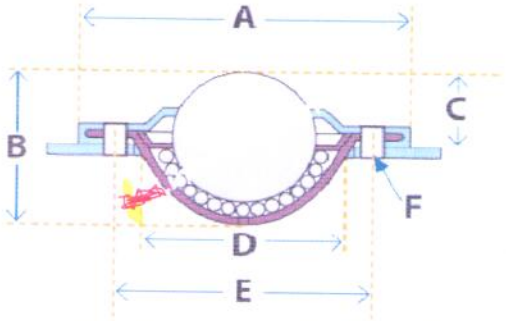
An estimated quantity for the fabrication work are given in **Table-1** shown below. For detail estimations and drawing please contact Shri Srijit Bandyopadhyay or email to srijit@barc.gov.in.

Table-1

Estimated Bill of quantities			
Laminar Box			
Item No	Description	Quantity	Remarks
1	Item not required	2	Item not required
2	Item not required	1	Item not required
3	45X45 aluminum profile @1500mm	48	Minimum thickness 2.00 mm . Material: 6063 T6 Alloy Anodized 16 to 20 micron
6	75X75X4mm box MS @1400mm	18	
7	75X75X4mm box MS @475mm	8	
8	75X75X4mm box MS @900mm	4	
9	75X75X4mm box MS @3000mm	2	
10	MS Plate 2300X150X20 mm	8	
11	75X75X4mm box MS @1395mm	18	
12	45X45 aluminum profile @1100mm	48	Minimum thickness 2.00 mm Material: 6063 T6 Alloy Anodized 16 to 20 micron
13	Ball Roller (Specification in table -2)	500	
14	SS Plate 1500x2000X10	1	
15	75X75X4mm box SS @1110mm	2	
16	75X75X4mm box SS @1500mm	2	
19	75X75X4mm box MS @1500mm	2	
18	Pipe	1	
20	Clamp	100	For holding Aluminium profiles
21	Filter cloth	50 m2	
22	Suitable mechanical Stopper	100	Each aluminium laminate should freely move 7mm only from lower laminate. (For any clarity please Shri Srijit Bandyopadhyay or email to srijit@barc.gov.in.)
Item number is in Attached Drawing. All MS Tube and plates are connected through weld. SS plate of 10 mm thick (item no 14) has 20 holes for M20 bolts connections.			

Srijit Bandyopadhyay
26/10/2021

Table-2

	
Ball Dia 15 to 16	
A	**Not more than 45 mm**
C	**Not more than 7.8 mm**

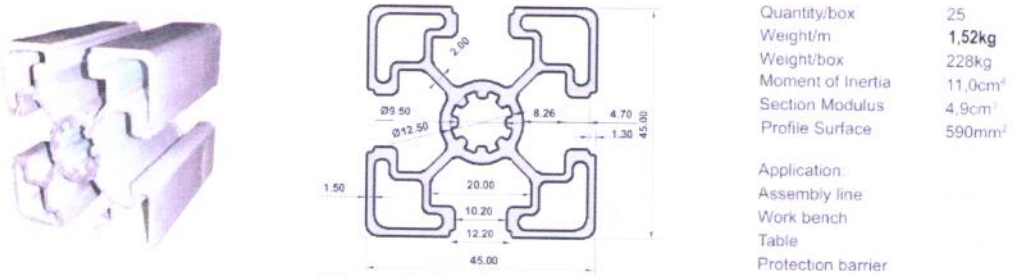
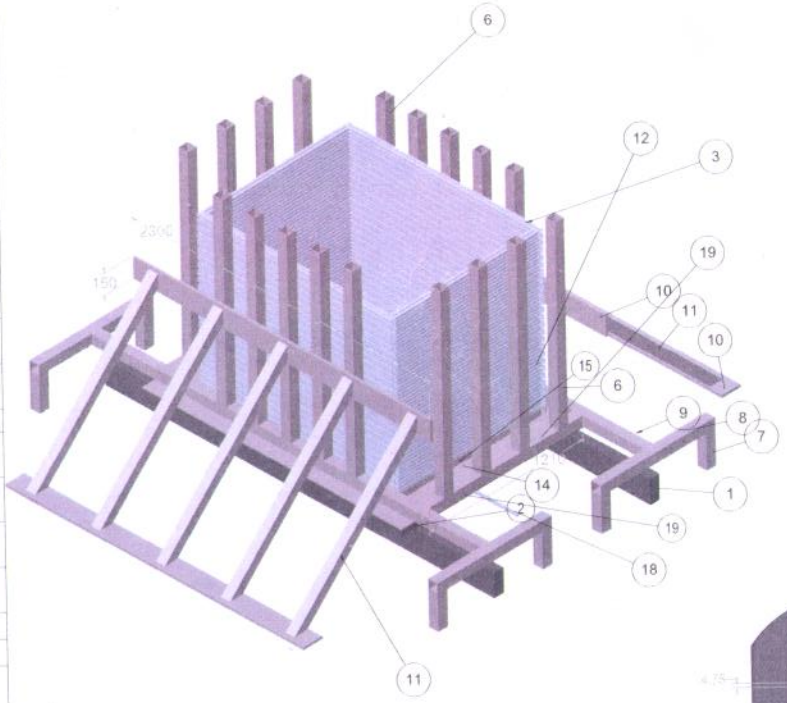
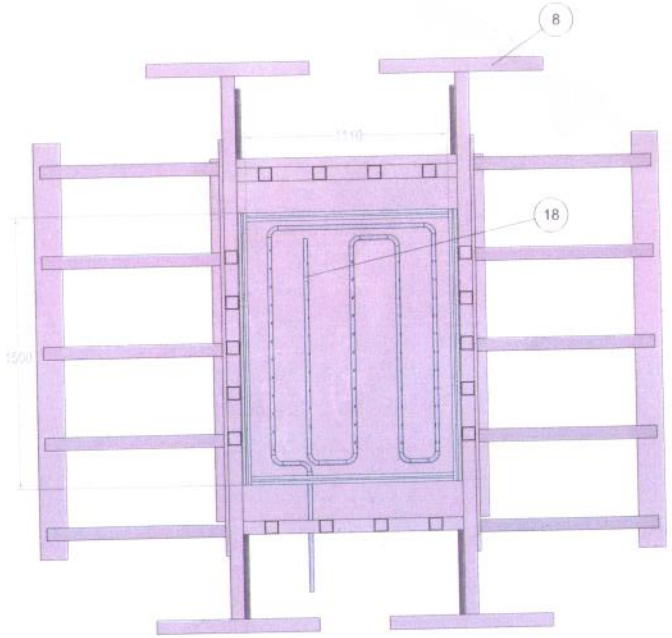


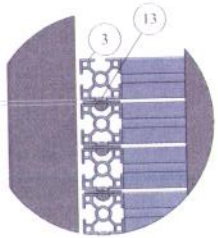
Figure 1: Typical Aluminium profile.

Figure 2: Typical Aluminium bracket.

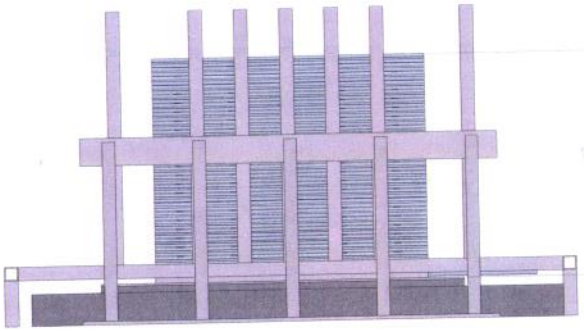
ITEM NO.	DESCRIPTION	QTY.
1	Item not required	2
2	Item not required	1
3	45X45X2.00 aluminumProfile @1500mm	50
6	75X75X4mm box MS @1400mm	18
7	75X75X4mm box MS @475mm	8
8	75X75X4mm boxMS @900mm	4
9	75X75X4mm box MS @3000mm	2
10	MS Plate 2300X150X20 mm	8
11	75X75X4mm box MS @1395mm	18
12	45X45X2.00 aluminumProfile @1110mm	50
13	Ball Roller	500
14	SS Plate 1500x2000X10	1
15	75X75X4mm box SS @1110mm	2
16	75X75X4mm box SS @1500mm	2
19	75X75X4mm box MS @1500mm	2
18	Pipe	1
20	Aluminium Clamp	100
20	60X60X3 alluminum box @1084mm	2

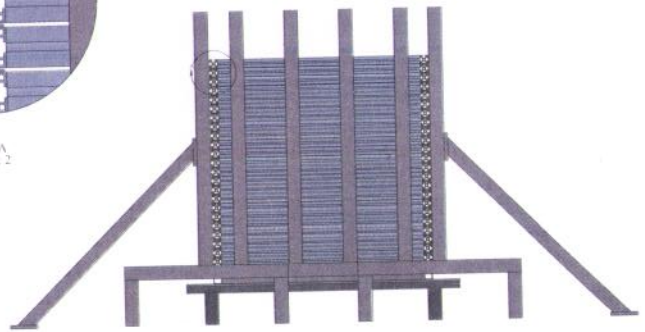






DETAIL A
SCALE 1 : 2





Laminar Box
Drawing (Tender)
LB-01