

सत्यमेव जयते

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
BHABHA ATOMIC RESEARCH CENTRE
VISAKHAPATNAM



भारतीय परमाणु अनुसंधान केंद्र
BHABHA ATOMIC RESEARCH CENTRE

Computational Analysis Division

Ref. CAD/HEDM/WO/IND/22-23/10

Date: 04/08/2022

SUBJECT: Notice inviting tender for-
"Fabrication and machining of structures, rails, platforms, plates, hollow cylinders, shafts, blocks, and sections out of SS, MS and Insulating materials"

Tender No. CAD/HEDM/WO/IND/22-23/10 Dt.04/08/2022
Tender Closing date: 29/08/2022

1. **Scope of work:** details in Annexure-I.
2. **General guidelines for submitting tender**
 - You shall send your offer in a **sealed envelope** indicating delivery period, price inclusive of taxes and other relevant information by speed post to:

Head,
Computational Analysis Division
Bhabha Atomic Research Centre
Village: Madturu (Sub: P.O.)
Near Nagavaram Junction,
Gajuwaka-Yellamanchilli Highway
Atchutapuram, Visakhapatnam
Andhra Pradesh- 531011

(Kind Attention: Rahulnath P.P., SO/D,CAD, 0891-283-2149)

- Quotation shall reach us on/or before **29/08/2022 by Speed Post/Courier/ Only.**
- On top left corner of the envelope please indicate Quotation for- "**Fabrication and machining of structures, rails, platforms, plates, hollow cylinders etc.**" And **due date 29/08/2022.**
- Overwriting, scratching etc. must be avoided in the quotation. Rewriting the whole figure shall carry out any alteration in the figure. The authorized person from the firm shall countersign such figure.
- The work order period mentioned in the quotation shall be strictly adhered to. If the contractor fails to supply/execute contract and secure extension of delivery date before effecting delivery of the supply against the contract, acceptance of such item by the purchaser will in no way prejudice the right of the purchaser to levy liquidated damage nor will it be entitled to the contractor for payment of statutory levies that comes into force after the expiry of the delivery date/tenure.
- Minimum Guarantee/Warranty period of the material and workmanship shall be **One Year.**
- **Supplier shall mention clearly the PAN /TAN no. on quotation.**
- **GST number shall be clearly mentioned on Quotation.**

- All the charges and taxes shall be mentioned clearly.
Please note that BARC being an R&D institution, GST rates are as follows
 - For Intra-state Supply of Goods: @ 2.5% SGST + 2.5% CGST
 - For Inter-state Supply of Goods: @ 5.0% IGST
 - **GST exemption certificate shall be issued to the supplier.****(This is as per Office Order No. BARC/GST/12/2017 dt. 27.12.2017)**

- You may contact us for any clarification before **29/08/2022** (Shri. Rahulnath P.P., 0891-2832149,8985875318, rahulnath@barc.gov.in)

3. Rates:

As per Scope of Work (Annexure-I).

4. Place of Delivery/Work:

PEB-04, CAD
Bhabha Atomic Research Centre
Near Nagavaram Junction,
Gajuwaka-Yellamanchilli Highway
Atchutapuram, Visakhapatnam
Andhra Pradesh- 531011

5. **Pre-bid meeting is mandatory:** Pre-bid meeting must be held with the indenter regarding availability/requirement of machines/tools and for understanding the work and workshop facilities. It is required to send email correspondence and get approval from indenter at least 1 day in advance for the meeting. No quotation will be accepted if the pre-bid meeting is not carried out.

6. **Free Issue of Materials (FIM):** All raw materials for work will be issued by the Engineer-In-Charge.

7. PAYMENT TERMS:

1. Part payment/Advance or against delivery cannot be made.
2. Payment will be made within 30 days after satisfactory completion of work and on production of (along with Delivery Challan if any);
 - i. Bill/Invoice containing, Location of supply, separate tax components along with PAN and GSTN numbers.
 - ii. Advance Stamped Receipt.
 - iii. Bank Account No, Bank and Branch name with IFSC code.
 - iv. Undertaking stating that GST has been promptly deposited with the authorities
3. It may be noted that:
 - i. Income tax @2.0% will be deducted from your bill.
 - ii. TDS (on GST) will be deducted as applicable from your bill of taxable goods and/or services.
 - iii. Declaration confirming filing of Income Tax Return from immediate two preceding years, in accordance with Section 206 AB of the Income Tax Act 1961, has to be submitted in the prescribed proforma along with necessary acknowledgements in support of declaration. In case the aforesaid declaration is not submitted, TDS/TCS shall be deducted at higher rates as instructed under the provisions of Income Tax Act.
4. Payment will be released only after completion of specified Man-Hours. Please refer Annexure-I for details.

8. Work Completion Schedule

1. The job shall be completed within 5,280 man-hours from the time of starting the work order.
2. The total man-hours must be completed within 10 months from the date of issue of work order.
3. Time is the essence of the work order. If you fail to comply with this condition you shall be liable to pay compensation.
4. Penalty clause: Any delay in the completion of the job which is attributable to the vendor, is liable for a penalty @ ½ % of the work-order value per week (max. 5%).
5. The work shall be started within 15 days after the receipt and acceptance of work order.

5. CONFIDENTIALITY 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-contractors, consultants, advisers or the employees engaged by a party with equal force.

"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.

Prohibition against use of BARC's name without permission for publicity purposes. The contractor or sub-contractor, 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.

Annexure-I Scope of work

Subject:

Fabrication and machining of structures, rails, platforms, plates, hollow cylinders, shafts, blocks, and sections out of SS, MS and Insulating materials.

Note:

1. The entire fabrication and machining work have to be carried out at purchaser's site.
2. **Free Issue of Materials (FIM):** All raw materials for work will be issued by Engineer-In-Charge.
3. The contractor has to **depute One(01No.) Turner (for lathe operation), One(01No.) Miller (milling machine operation) and One(01No.) Mechanical Fitter.** The total working hours will be around 5,280 Man-Hours in the divisional workshop.
4. The work has to be completed within 10 months from the date of issue of order.
5. The drawings of all components would be shared with the contractor during the pre-bid meeting. The dimensions of fabrication may require slightly modification and customisation as per Load design and dimensions.
6. Following Machines - **lathe/milling/drilling/cutting/arc welding** will be made available.

7. Tools: No tools will be provided by the purchaser. All the cutting/machining tools required for the purpose has to be brought by the vendor as per the specifications of machine.
8. The contractor has to ensure that all the machines are well maintained and cleaned before leaving the workshop on each working day.
9. Any machine related issues or unavailability of tools for machining has to be brought to the notice of Engineer In charge.
10. **TABLE-1** gives tentative list of work to be done. It is to be noted that quantity indicated in the right side are **minimum number** of materials to be fabricated. This may vary depending on the requirements in the laboratory.
11. The contractor has to ensure the completion of fabrication/machining of minimum number of quantities mentioned in TABLE-1 or an **equivalent volume of work** within the stipulated period.
12. **Pre-bid meeting is mandatory:** Pre-bid meeting must be held with the indentor regarding availability/requirement of machines/tools and for understanding the work and workshop facilities. It is required to send email correspondence and get approval from indentor at least 1 day in advance for the meeting. No quotation will be accepted if the pre-bid meeting is not carried out.

13. **General Requirements:**

(Note: Documents mentioned in "b,c,d & e" below are to be produced after Work order is placed with the contractor)

- a) All the workers arranged by the contractor shall be physically and mentally fit. All the **Industrial Safety standards** shall be followed and all safety gadgets like shoes, helmets, safety belts etc. as per safety engineer shall be arranged by the contractor. Department shall not be responsible for any untoward incident during the work. Contractor will not be permitted to work without any of the safety gadgets.
- b) Necessary man-power should be holding **ITI certificate** for the corresponding jobs.
- c) The machine operators should have adequate medical insurance coverage. No operator will be allowed to operate if they fail to produce necessary **medical insurance** certificates.
- d) **Police verification certificate** for operators is mandatory for entry into purchaser's site. The contractors are requested to obtain the same, in case work order is placed with them.
- e) As per prevailing security regulations, the contractor is required to obtain **valid entry passes** from the security section for working inside BARC, for which related documents will be required to be submitted.
- f) Minimum Guarantee/**Warranty period** of the workmanship shall be **One Year** from the date of issue of completion certificate.
- g) The quality of workmanship shall conform to high engineering standards and strictly as per instructions of engineer in charge (EIC) of job.


TABLE-1

Sl. No.	Item	Main features	Minimum Quantity(No.)
01	Plates	1. Raw Material: MS plate- 350x175x12.5mm 2. Final approximate dimensions:300x150x10mm Operations: 1. Cutting 2. Face milling-all sides 3. Slotting 4. Drill holes -min.6nos. on each plate 5. Tap holes(M6-10)-Min.04Nos on each plate	80Nos.
		1. Raw Material: Acrylic sheet-900x1800x12.5mm thick 2. Approximate dimensions:80x80x10mm Operations: 1. Cutting 2. Face milling-all sides 3. Slotting 4. Drill holes -min.4nos. on each plate 5. Tap holes(M6-10)-Min.04Nos on each plate	80Nos.
02	Al7075-Hollow cylinders	1. Raw Material: Al7075-T6 rod-25mm Diameter 2. Final Size: Dia.21mmX20mm Operations: 1. Cutting 2. Facing 3. Drilling	120Nos.
03	Copper-Hollow cylinders	1. Raw Material: Cu-OFHC rod-60mm diameter 2. Final Size: Dia.50mmX10mm Operations: 1. Cutting 2. Facing 3. Drilling 4. Tapping	80Nos.
04	Al6061-Hollow cylinders	1. Raw Material: Al6061-T6 2. Final Size: Dia.300mmX20mm Operations: 1. Cutting 2. Facing 3. Drilling	100Nos.
05	SS-Shafts	1. Raw material: MS rod 40mm Diameter Operations: 1. Cutting 2. Facing 3. Boring 4. Tapering	50Nos.
06	MS Block	1. Material: MS-120*120x120mm 2. Size: 100mmx100mmx100mm Operations 1. Face milling 2. Centre boring	50Nos.

		3. Chamfering 4. Drill through holes and tap holes: min.6Nos. in each material	
07	Block	1. Raw Material: Al6061-T6-75x75x35mm 2. Dimensions:70mmx70mmx30mm 3. Lid:70x70x2mm Operations 1. Face milling 2. Slotting 3. Through holes at periphery:-04Nos. On each material 4. Tap holes: 04Nos. On each piece. 5. Cutting	50Nos.
08	I-Section	1. Raw Material :Copper OFHC-62.5mmDia x 100mm Length 2. Flanges (50mm diameter) can either be brazed to the hub (19mm diameter) or can be made in a single piece. Operation 1. Turning 2. Face Milling 3. Through holes (At flanges) 4. Brazing	50Nos.
09	Structures	1. MS structures have to be fabricated by welding joints. 2. Raw material: MS Square pipes, L-angle, C-channels, strips. 3. Dimension:2100x500x750mm	05Nos.
10	Platform	1. Raw Material :SS Plate 1.5mx500mmx32mm Operation 1. Turning 2. Face Milling 3. Tap holes 4. Slotting	04Nos.
11	Rails	1. Raw Material: SS Block-500mmx500mmx35mm Operation 1. Turning 2. Face Milling 3. Tap holes 4. Slotting	04Nos.

a) **Contact Persons:**

- a) **Shri. Rahulnath P.P.**
Computational Analysis Division, BARC
Contact details: rahulnath@barc.gov.in
Phone: 0891-2832149, 8985875318


(Rahulnath P.P.)
SO/D, CAD