



GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
Integrated Fuel Fabrication Facility
TROMBAY, MUMBAI – 400 085.

Ref. No.: BARC/IF3/03/2022/34505

15.03.2022

Sub. : "Parting, Swaging, End Facing of Ni-alloy tubes and machining of Al-Si-alloy components at Machine Shop, IF3, BARC over a period of One year"

Dear Sir/ Madam,

For & on behalf of The President of India your sealed offer on letter head of your company is invited for "Parting, Swaging, End Facing of Ni-alloy tubes and machining of Al-Si-alloy components at Machine Shop, IF3, BARC over a period of One year". The scope of work, technical requirements and general terms & conditions are as per enclosed specifications.

- This tender will be processed in Two Part Bid System.
- The tender submitted should have two separately sealed envelopes viz. Technical Bid and Commercial Bid.

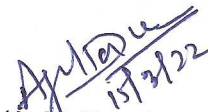
Quotation should indicate GST number registered with local authority, PAN of the firm etc. Your offer in sealed envelope should be addressed to:


HEAD, INTEGRATED FUEL FABRICATION FACILITY
Attn.: Shri. A. M. Dave
Scientific Assistant (G)
Integrated Fuel Fabrication Facility
BARC, Mumbai. - 400 085.

Duly marked with above reference no. & due date on the envelope and reach us by **01-04-2022**.

You are requested to send your offer by Registered / Speed post only. Courier or Hand delivery of quotation is not acceptable.

Encl: 1. Specifications.


(A. M. Dave)
SA/G, IF3


(Govind Sharma)
SO/C, IF3

For & on behalf of President of India

Specifications

1. Scope of Work:

a) Maximum Quantity and schedule of various machining work at IF3, BARC.:

| Sr. No. | Job Description | Total Quantity for 1 Year | Typical Monthly Schedule |
|---------|---|---------------------------|------------------------------|
| 1. | Length parting, end swaging and end facing of extra thin Ni-alloy tubes using departmental machineries. | 9,000 nos. of tubes | 800 tubes per month |
| 2. | Turning of Al-alloy Rods to form chips of specific size. | 36 nos. of rods | 3 rods per month |
| 3. | Turning, drilling and parting of Al-alloy billets to form hollow blocks (5 Blocks/Billet) of specific size. | 48 nos. of billets | 4 billets per month |
| 4. | Removal of molten Al-alloy contamination from inner cylindrical surface of SS crucible by machining/boring operation. | 240 Nos of empty crucible | 20 empty crucibles per month |
| 5. | Removal of oxide layers of molten Al-alloy cast structure inside crucible by machining operation. | 240 Nos. of cast crucible | 20 cast crucibles per month |

b) **Following machineries will be available for above work:**

1. For Job at Sr.No.1: Two table top mini lathe and one rotary swaging machine with mandrel facility.
2. For Job Sr. No. 2 to 5: One conventional lathe machine and one hydraulic power saw.
3. Work completion period: **one year**

2. **Job Description:**

- 2.1 Materials for above jobs are SS, Ni-alloy, Al-alloys etc. All tubes are generally thin with thickness about 0.3mm and diameter about 6.0mm and length about 1 meter. Other components are with maximum $\Phi 250\text{mm} \times L 500\text{mm}$.
- 2.2 Operator's duty calls for machining of components as well as recording of dimensions as required against their identification in department's supplied standard format against each component. Standard shop floor measurement tools like Vernier caliper, micrometer etc will be provided for this. Contractor's personnel shall be conversant in using these tools and their safe handling.
- 2.3 All cutting and fitting tools required for a machine and particular job will be provided by department, however where ever required, grinding & re-dressing of tools to be carried out by contractor's personnel using in-house facilities available.
- 2.4 The tube/rod/billet/crucible etc will be provided by the department as per daily production requirements/urgency of work or as a bulk stock available, as the case may be.

- 2.5 The schedule and quantity of job specified here is indicative only and not in the order of priority or importance. Department reserves right to alter the job due to change in priority, requirement, non-availability of particular machine, component etc.
- 2.6 Work order may be **short closed** upon completion of **one third of total quantity** of each work, if need arises.
- 2.7 Contractor's personnel shall leave the machine and working premises in clean condition at end of every day's task.

3. Technical Requirements:

- 3.1 For the above-mentioned works with specified schedule, firm is expected to provide **Three Skilled Turners cum Machinists** on daily basis on all working days to match up to daily/monthly requirement of plant in synchronous with plant's production activity. It is also advised for the contractor to engage a supervisor on daily basis to guide assist technically to their personnel to complete the task and to maintain the required schedule.
- 3.2 Department can accommodate maximum 4 persons on particular day/shift as per availability of machinery. Distribution of personnel over 3 RTC shift may also be required as per machine availability/work synchronization. Entry in BARC requires various formalities, hence contractor is advised to have minimum changes in working personnel.
- 3.3 The skill / capability of the personnel shall be assessed by the officer-in-charge and only if they are found to be suitable they shall be accepted. The decision of the officer-in-charge shall be final in this regard.
- 3.4 Since all jobs are required for further production, they are to be done parallelly and not taking up another job only after completion of total quantity of previous one. As such total quantity of a particular job may not be available as a bulk in the beginning.
- 3.5 Contractor personnel shall be allowed for maximum 8½ hrs in plant on each working day as per BARC working calendar. No over staying is permitted for contractor's personnel.
- 3.6 Contractor's personnel shall be physically and mentally fit for working with workshop machineries. The contractor shall produce a Medical Certificate from Registered doctor to this effect.
- 3.7 In case **damage is caused** to department's machinery, raw material, tools or other property due to negligence or any actions attributed solely to contractor personnel, then suitable charges as assessed & decided by the department will be deducted from the final bill of the contractor.
- 3.8 The work assigned to the Contractor's personnel may involve handling of mild radioactive materials. On such occasions, the department will provide suitable and ample protective/monitoring gear as well as necessary training regarding the proper application of these protective equipments. The personnel shall agree to use/wear the supplied protective gear and may not be permitted to demand any further protective/monitoring equipment.
- 3.9 To enter BARC premises vendor's personel shall require Police Verification Certificate (PVC) and need to comply with various entry formalities. Vendor shall arrange these in time to avoid delay in starting/completing work.

4. **Payment Clause: -**

- 4.1 Payment will be arranged only after satisfactory completion/closure of work and on production of a) Bills in triplicate b) Advanced stamped receipt, c) Last 2 years ITR copy etc. Advance Payment or Part Payment during currency of contract is not possible.

- 4.2 Payment will be based on actual quantity of work completed after deducting taxes and levies, **penalty** if any.
- 4.3 Any delay which is attributed to the supplier is liable for penalty @ ½ % per week (Max 5%) to be imposed on supplier.
- 4.4 **Income tax @ 1.5%** of amount of bill and surcharge on IT & education cess as applicable shall be deducted at source.
- 4.5 Minimum wages as prescribed by the Office of Labour Commissioner, Govt. of Maharashtra from time to time shall be paid by the contractor to their personnel working inside BARC.

5.0 Confidentiality Clause:-

I. Confidentiality:-

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 confidentially 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.

II. "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.

III. 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, T.V. or Internet without the prior written approval of BARC.

6. Note to Vendor:

- 6.1 Vendor's sealed offer containing sealed technical bid and sealed commercial bid (both sealed separately) super scribed with our reference number & date, due date & subject to be addressed to as mentioned and must reach us on or before due date & time as mentioned.

A. The sealed Technical Bid shall contain the followings:-

- a) Educational Qualification, previous experience and details of personnel to be deputed for completion of this work.
- b) Previous purchase orders of government organization and other private companies involving similar types of works done in last 5 years.
- c) Technical bid shall confirm that price quoted in commercial bid is on per piece basis of individual job.

B. The sealed Commercial Bid shall contain the followings:-

- a) Quotations shall **clearly mention the basic price per unit** for each job, GST Charges and other Taxes (if any) shall be specified separately apart from the basic cost. **Lump sum quotation shall not be accepted.**
- b) Validity of offer (minimum 90 days) shall be clearly mentioned in the offer letter.

- 6.2 Any terms & conditions could not be met by vendor shall be clearly mentioned in the offer document.
- 6.3 Name and contact details corresponding person to be mentioned in offer document.
- 6.4 For detail technical evaluation of job requirement and to assess the available machinery with their maximum productivity etc, vendor shall visit IF3 premises with prior appointment.
- 6.5 Offer will be accepted from only those vendors who have visited IF3 and/OR are fully aware about the job and available machineries and their condition.
- 6.6 Vendors, who have completed any previous WO involving inhouse job at IF3 in last 7 years and are aware about the nature of jobs, available machinery etc, can quote without any further visit. These vendors must mention WO no. and date in their technical bid, else their offer will not qualify technically.
- 6.7 For any clarification regarding the specifications and to assess the scope of work involved or any queries supplier may contact Shri A. M. Dave, Ph: 2559 4518/4528 during office hours.
- 6.8 Quotations are to be in printed letter head/quotation format which should consist of GST registration number, PAN of the firm, etc.
- 6.9 Quotations that are received by email, fax, any other computer generated form without signature, handwritten etc shall be considered as invalid & rejected.
- 6.10 Only vendors quoting for execution of all the above jobs will be acceptable.

7. Offer Evaluation Procedure:

- 7.1 Valid Technical bids will be opened first and offers will be evaluated technically through document scrutiny, phone calls and email correspondence etc. Later, only technically qualified vendor's commercial bid will be opened and lowest quoted offer **based on total value of all items** (not individual item); shall be recommended for order.
- 7.2 When offer received as only one bid or techno-commercial combined bid in single envelop or commercial bid not sealed properly, shall be treated as reject, with no further communication to vendor.
- 7.3 Vendors not having required relevant experience will not qualify in technical evaluation.
- 7.4 Vendors having prior experience of similar previous work shall mention in technical bid.


(A. M. Dave)
SA/G, IF3