



GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
Nuclear Recycle Group
Technology Development Division

Ref: TDD/DSS/APR22/E.NO.41621

Date: 27/05/2022

Notice Inviting Tender- Minor Fabrication (Two Envelope System i.e. Technical Bid & Financial Bid)
Sealed quotations are invited for and on behalf of the President of India by Head, Technology Development Division for the following work from the contractors having adequate similar experience, staff with valid PVC, meeting the vendor evaluation criteria and who have similar experience with different units of DAE, Government Organizations, Public Sector Undertakings, reputed public/private organizations etc.

Description of work	Duration
Fabrication and execution of various mechanical works required during remote sample cutting tool operations at CIRUS, BARC, Trombay as per technical specification.	4 Calendar month

The due date of receipt of sealed quotation :-	<u>10/06/2022 up to 15:00 hrs</u>
The sealed quotation (technical bid) will be opened on:-	<u>Next working Day of due date.</u>

1. **Procedure for submission of Bids:**

The Vendor has to submit the bid in hard copy in sealed Single envelop through Speed post only. However this envelop shall contain two sealed sub envelops, one sub envelope marked as Technical bid (containing details of Annexure-A of this tender) & other sub envelope marked as Financial Bid (containing details of Annexure-B of this tender). Both these sub Envelopes shall also have Ref. no. of this Tender. No intermixing of Bids is allowed. Bid without two sealed sub-envelops shall be rejected & no more further communication will be made against this tender. Initially Technical Bids will be opened and Vendor Evaluation will be carried out as per the criteria mentioned below.

Firms have to fill Annexure A & B viz Bidder Evaluation Form, and Format for the submission of bid. The Vendor has to submit their bids as per the attached formats only.

2. **Vendor Evaluation Criteria:-**

Firms meeting the following criteria should only quote for the tenders. Quotations of the firms not fulfilling these requirements will be rejected.

- ✓ As the works are to be carried out at BARC, Trombay on urgent basis in a given stipulated time frame; vendors having **readily available man-power with valid police verification certificates** should only participate in the bidding.
- ✓ The contractor should **visit the site for complete understanding of the total scope of the work.** Prior Appointment shall be taken for making necessary security permission for site visit.
- ✓ The firms shall have prior experience of working in a radioactive area.
- ✓ The vendor shall give following **undertaking along with the bids. Else the offer is likely to be rejected.**

Undertaking: The vendor shall give undertaking stating that he has completely understood the entire scope of work and he will complete the entire work as per technical specification of the work order in given time frame.

3. BARC reserves right to reject any or all tenders/applications without assigning any reason thereof.
4. **Successful firm has to make necessary formalities with BARC security for issuing photo passes for the CIRUS facility & TLD for their man power.**
5. Validity of offer must be minimum 3 months.
6. **COVID related guidelines applicable to the contractor for the site works at BARC as published on BARC website or as issued by Engineer in Charge shall be scrupulously followed during the execution of work.**
7. Any deviation from specification shall be clearly mentioned in your offer.
8. The quotation shall be printed only on letter head and GST number as well as any other prevailing Tax Registration Number registered with local, state/Central authority, PAN Number of the firm, Service Tax Registration Number etc should be mentioned on it.
9. Quotations that are received in computer generated form are to be construed as **invalid and will be rejected.**
10. Income tax at prevailing rate at the time of execution of work and applicable surcharge on Income Tax as applicable & education cess on IT & SC as applicable will be deducted from the bill. **Tax as applicable on GST will also be deducted from bill.**
11. Similarly claims raised by the firms are also to be in Printed Invoice formats consisting of the above Registration Numbers.
12. It is necessary to mention Taxes Registration Numbers clearly in the quotation, without which the offers will not be considered.
13. The enquiries should be sent only by **Speed post/Registered Post** through Indian Postal Service and should be addressed to:

Devendra Sandhanshive, Scientific Officer-G
Room No. 315, CDCFT Building, Near WIP,
Technology Development Division, Nuclear Recycle Group
Bhabha Atomic Research Centre, Trombay, Mumbai-400085

14. **The following information should be written on the sealed offer:**
Our Enquiry no., Subject, Due Date & Sender's full address.
15. **The bids sent by any other mode (e.g. manual, courier etc) shall be rejected without assigning any reasons as per terms and conditions of Accounts, BARC.**
16. **Only those Vendors quoting for all the works mentioned as per the enclosed BOQ will only be considered. Part offer will be rejected.**
17. **Offers will be evaluated on overall cost basis hence it is mandatory for bidder to consider entire work and quote accordingly.**
18. The Payment will be made as per Government procedure after the job is completed satisfactorily in all respects and has been approved by the officer supervising the job. Payment shall be made only on satisfactory completion of work, removal of debris/waste arising out of the work carried out from site and on production of bill in duplicate, advance stamped receipt, guarantee / warranty certificates, stores receiving voucher duly signed by ASO (if applicable), No Demand Certificate from Security. In general after submission of all the papers mentioned in work order, it takes about few weeks period for releasing the payment.

Devendra Sandhanshive
SO/G, TDD,
NRG, BARC
Ph. no. 022-25591279
022-25595507 (TDD office)

Technical Specification

1. **Title:** - Fabrication and execution of various mechanical works required during remote sample cutting tool operations at CIRUS, BARC, Trombay as per technical specification.
2. **Scope of Work:-**
 - Executions of following Mechanical Works are required as per the instructions of Engineer in Charge at CIRUS, BARC, Trombay.
 - The work is to be done at CIRUS facility, BARC, Trombay. TLD will be issued to the team involved in the job as per guidance of radiation safety officer of CIRUS facility.
 - **All the raw material required for execution will be provided as free issue material at site.**
 - The portable grinding, welding, drilling machines and other tools including the consumables such as welding rods, cutting wheel, grinding wheels etc. as essential for execution of following works **will be in the scope of contractor.**
 - Completion Period: - **4 Months.**
3. **Detailed Scope of Work:-**

Following is the detailed scope of work.

 - 2.1 **Installation of Remote Cutting system at various locations:-**
 - Remote cutting system consist of Magnetic Base Drilling Machine, 4 meter long modular shaft having hole saw cutter, Portable SS modular Pipe structure having height adjustable platforms for doing the remote cutting operations at three different elevations at CIRUS.
 - PVC sheet needs be spread on the floor near the selected location.
 - The remote cutting system needs to be installed at various locations inside CIRUS facility for doing remote cutting operations as per the instructions of Engineer in Charge.
 - Assembling and installation of Portable SS modular Pipe structure near the selected location.
 - Installation of Magnetic base drill machine. Coarse and fine adjustment in drill machine so as to match the centre line.
 - One by one insertion of segments of 4 meter long shaft extension inside the selected location and assembling the other end of the shaft with the drill machine.
 - If problem is observed in insertion of the shafts, then Beam hole dimensions needs to be measured by customized 4 meter long caliper.
 - Measurement will be cross checked with the dimensions mentioned in the drawings.
 - Doing necessary modifications in the 4 meter long shaft assembly for ensuring insertion of the shaft inside the beam hole.
 - De-contamination of Customized caliper shall be carried out as per guidance of radiation safety officer.
 - Once the 4 meter long shaft is properly inserted inside the beam hole, then dry run of the drilling machine shall be carried out to check the performance.
 - If vibrations or any other problems are observed, then same shall be rectified by removing the 4 meter long shaft assembly.
 - Doing all necessary modification in the system till satisfactory performance is achieved in the trial dry run of the drilling operation.
 - The actual drilling operation will be carried out by departmental person (BARC).
 - The drill machine shall be detached from 4 meter long shaft after the completion of cutting operation. The platform supporting the drill machine will be suitably lowered. The split part of the shaft will be dismantled wherever space constraint is observed.
 - Decontamination of 4 meter long shaft assembly shall be done as per guidance of radiation safety officer.
 - Removal & proper storage of the remote cutting system.
 - The firm has to engage Supervisor, highly skilled Fitter & unskilled labour as per need basis for execution of above works.

- Total remote cutting operations are required to be done 8 different locations at CIRUS.

Site location: - CIRUS, BARC, Trombay.

4. Other Specification:-

A) Installation Practices:

- The contractor shall use proper electrical plug/sockets. Use of loose wiring will not be permitted.
- The contractor shall use all safety gears like helmets, safety belts, safety shoes etc. and follow safe installation practices. All the safety precautions shall be meticulously followed, the instructions given by Engr. In Charge & Safety Coordinator from time to time shall be abided.
- Installation shall be neat and workmanship shall be of excellent quality.
- The Contractor should supply and install all the fixtures, which may not be specifically mentioned in above, but necessary for the completeness of the work, without any additional cost.
- All the accessories such as clamps, MS boxes, MS Angles, screws, fixers, ravel plugs, PVC flexible conduits etc. should be supplied by the Contractor.
- The contractor shall be responsible for any loss or damage during transportation, handling and storage of materials and/or any components.
- The installation of the above work should be as per the guidance of Engineer-in-charge of work.

B) Working Conditions:

The contractor shall arrange all equipment and personnel required for the successful completion of the work. Contractor shall clean the site after work and dispose the waste generated properly. Contractor shall stick to the schedule given and complete the work before work order expiry.

Safety and security rules:--

a)	Police verification certificate is required for all workers and supervisor deployed at the site.
b)	Security rules and transport rules at BARC, Trombay premises shall be strictly followed.
c)	Labours under 18 years shall not be allowed to work at site.
d)	Department shall not be responsible for any injury caused to contractor workforce due to any reason / unsafe working procedures followed by his personnel while working at site.
e)	Covid 19 Guide lines issued by BARC/ Statuary Authorities shall be scrupulously followed by Contractor and his persons.

E) Contractor shall have readily available deployable work force with valid PVC.

- Supplier shall bring all requisite mounting accessories, fittings, connectors /adapters etc for associated works.
- All handling equipment, scaffoldings, tools and tackles, ladders, other machines, safety belts, welding machines etc required for the erection work shall be arranged by the Contractor.
- The vendor should arrange transport of materials required for carrying out the work in advance i.e. prior to starting of the field jobs. Please note **materials /tools etc entry to the site & their exits** is subjected to **security checks & procedure laid down by BARC security sections** & shall be strictly followed during the site execution. Electricity and Water will be provided free of cost for the above work.
- **The vendor shall arrange adequate accident insurance coverage of his personnel. BARC shall not be responsible for any liability arising out of any accident / injury caused to vendor's personal while executing the work.**
- To the extent possible the work shall be carried during the normal working hours i.e. 9.30 AM to 5.30 PM Monday to Friday. Prior permission will be required to work on holidays and beyond office hours on working days & holidays.
- This work involves working in restricted area with security restrictions on entry of workers, working time etc.
- All the workers and their supervisors need to have police verification done and cleared.
- Contractor shall at his own cost, make arrangements for transport of his personnel, materials, tools etc. to and from the site.

Annexure-A: Technical Bid (Bidder Evaluation Form on Vendor's Letter Head)

Ref. Tender No.:- TDD/DSS/APR22/E.NO.41621

Date: - 27/05/2022

Name of Work:- Fabrication and execution of various mechanical works required during remote sample cutting tool operations at CIRUS, BARC, Trombay as per technical specification.

Sr.No.	Particular	Remarks.	
1.	Name of the Agency	All the particulars shall be filled by the vendor	
	Postal address		
	Contact with STD code		
	Name of Contact person		
	Mobile No.		
	e-mail ID		
2.	Details of the available facilities.		
	List of available Machinery		
	List of available Tools & Gadget		
	List of available Man-power particularly with valid Police Verification Certificates.	Diploma Engineer	
		Supervisors	
		SS Qualified Welder	
Fitters			
	Helpers		
3.	List of Manpower having TLD issued by department or by any other agencies for radioactive works.		
4.	Work order copies indicating previous experience of execution of similar types of works particularly in the radioactive facilities.	Attach separate documents.	

Undertaking:

- 1) It is certified that I/We have understood the entire scope of work as well as other associated security/safety and other general requirements as mentioned in the subject NIT and I/We will complete the entire work as per technical specification of the work order.

Signature & Seal of the Vendor

Annexure-B-Bill of Quantities

Title of Work: - Fabrication and execution of various mechanical works required during remote sample cutting tool operations at CIRUS, BARC, Trombay as per technical specification.

Sr. No	Description of Work	Unit	Qty.	Rate Rs.	Amount Rs.
1	i) Fabrication and execution of various mechanical works required during remote sample cutting tool operations at CIRUS, BARC, Trombay as per technical specification.	Lump sum	1		
2	Basic Total Cost in Rupees				
3	GST at 18% or as applicable				
4	Grand Total Cost (In words:- Rupees _____)				

Signature & Seal of the Firm