

Government of India  
Bhabha Atomic Research centre  
Research Reactor Design and Projects Division

Telephone : 2559 4680  
Telefax No. 2550 5311

Ref: RRDPD/APS-2/1000/2483/2017

November 9, 2017

**Sub: Handling of various equipments and disassemblies/assemblies of fabricated piping during commissioning of process systems and installation of miscellaneous carbon and stainless steel structural components for Nuclear Research Facility – North Site**

**Tender no. RRDPD/APS-2/1000/2483/2017 dtd. November 9, 2017**

**Due date: 28 / 11 / 2017, 15:00 hrs**

Sealed quotations are invited by Head, RRDPD for & behalf of president of India for the above mentioned subject from contractors having adequate experience and capabilities to execute such magnitude of similar works and who have similar experience with different units of DAE.

Hard copy of tender enquiry will be given to the vendor/contractor by hand on all working days from 14.30 hours to 16.30 hours till the due date and time mentioned above after briefing the scope of job under the tender.

Vendor/ contractor coming for briefing and getting hard copy of tender enquiry should take prior appointment with Shri. Vilas G. Shelar (phone no. 25594260) on all working days between 14.30 hours to 16.30 hours.

Following criteria is required for acceptance of tender enquiry by the vendor/contractor.

1. Vendor/ contractor should have pre cleared Security Vetting of his Company/Firm as per BARC security rules.
2. All workers/labors of the vendor's/contractor's Company/Firm should have valid PVC not expiring during the tender period (i.e from the date of issue of this enquiry till completion of job after getting work order).
3. Vendor/ contractors coming for discussion and getting tender enquiry should have valid pass of BARC. No TEP will be made by BARC.
4. All workers/labors of the vendor/ contractor for execution of job in this tender should have proper PPE and arrangement for all above shall be made by Vendor/ contractor.
5. Workers/ labors given by the vendor should be well experienced in above mentioned job.
6. Vendor/ contractor and his work force should have experience of working in BARC premises related to above mentioned jobs.
7. Sealed quotations shall be submitted only through registered post/ speed post through Indian postal service.
8. Sealed quotations shall be received by 28 / 11 / 2017 upto to 15.00 hrs.

BARC reserves all right for rejecting the vendor coming for collecting hard copy of tender enquiry if his/ her company profile is not found satisfactory and as per our terms mentioned above.

Sd/-

(P. Mukherjee)  
Project Manager, ARUP  
RRDPD  
BARC, Mumbai-400 085

Government of India  
Bhabha atomic Research centre  
Research Reactor Design and Projects Division

Telephone : 2559 6026  
Telefax No. 2550 5311

Ref: RRDPD/APS-2/1000/ 2483/2017

November 9, 2017

**Sub: Invitation of Quotations for “Handling of various equipments and disassemblies/assemblies of fabricated piping during commissioning of process systems and installation of miscellaneous carbon and stainless steel structural components for Nuclear Research Facility – North Site”.**

Dear Sirs,

You are requested to send your most competitive quotation by registered post for the jobs as per following description.

**1.0 GENERAL:**

- 1.1 This specification establishes the requirements for the fabrication, testing, handling and installation of structural components/equipments for nuclear research facility at north site of BARC as per the drawings provided by the facility.
- 1.2 The quality of workmanship shall conform to high engineering standards and strictly as per Drawings.
- 1.3 All the material required for fabrication and supply of all components covered in this specification will be supplied by the indenter/ facility.
- 1.4 It is not the intent to specify completely all the details of design and construction of the structures; however, these shall conform, in all respects, to high standard of engineering design and workmanship. The indenter shall have the power to reject any work which in his judgment are not in full accordance therewith.
- 1.5 Purchaser reserves the right to place the work order for part of the quantity at the quoted unit price or to delete the quantity in full of any of the items indicated in the specification.

**2.0 SCOPE OF WORK:**

The quantum of work will include fabrication using carbon steel and Aluminum, quality checks and erection as per the approved drawings and procedures. The material will be supplied provided by the facility (indenter).

**3.0 WORK COMPLETION PERIOD:**

Nine Months from the date of acceptance of work order.

**3.0 MATERIALS AND WORKMANSHIP**

**3.1 Material:**

Material required for the fabrication is carbon steel, Stainless Steel and Aluminum and will be supplied by the facility.

**3.2 Workmanship:**

Workmanship shall be of first class, high grade quality and in accordance with the best approved method of fabrication and as per drawings. Welding shall be carried out by qualified welder and shall be smooth, continuous, uniform and of good quality.

#### **4.0 DRAWING REQUIREMENTS:**

- 4.1** All the components shall be fabricated as per dimensions, tolerances and instructions/notes given in their respective drawings supplied. In the case of variations in drawings and specifications, the decision of the Purchaser shall be final. Should the Vendor in the execution of his work, find discrepancies in the information furnished by the Purchaser, he shall refer such discrepancies to the facility before proceeding with such work.
- 4.2** Indenter reserves the right to revise the drawings. Minor changes or modifications in the design that may be incorporated before fabrication to improve the performance of the product shall be considered within the scope of specified work. Purchaser will issue such modified drawings to the successful Vendor after placement of purchase order.

#### **5.0 FABRICATION REQUIREMENTS:**

##### **5.1 General**

All workmanship and finish shall be of the best quality and shall conform to the best approved method of fabrication. All materials shall be finished straight and shall be machined true and square where so specified. All holes and edges shall be free of burrs. Unless otherwise directed / approved, reference may be made to the American Institute of Steel Construction Manuals for providing standard fabrication tolerance..

##### **5.2 Welding**

###### **5.2.1 General**

Both GTAW & SMAW shall be used for fabrication. **Approved WPS and PQR shall be employed. Welders shall be qualified as per ASME section IX.** The surfaces for welding shall be free of cracks, deep indentations, scale, rust, oil, grease, and other deleterious material. The work shall be protected from deleterious contamination and from rain and wind during welding. Welding shall not be performed on wet surfaces.

5.2.2 Root and final pass of all the welds to be DP checked.

5.2.5 Each layer of weld metal in a multilayer welding shall be cleaned and cooled before applying the next layer. The inter pass temperature shall not exceed 60<sup>0</sup>C.

#### **6.0 INSPECTION AND TESTING:**

**6.1 Dimensional check:** The components shall be inspected at all stages of manufacture to verify that the dimensions, fit, alignments, surface finish and shall be in accordance with the requirements shown in the design drawings and in approved shop drawings.

**6.2** The root and final pass of all the welds shall be subjected to die penetrant testing (DPT) as per NB 2550.

#### **7.0 GENERAL INFORMATION TO BIDDER**

**7.1** The bidder shall quote clearly with item wise break up **inclusive of all applicable taxes, as per schedule of work attached, in absence of which the offer will not be considered.** It shall clearly indicate the price of each item covered in this specification. If the offer/quotation differs in any respect from the specifications, the bidder shall provide a list of such deviations in his quotation.

**7.2** The quotation shall be given on vendor's letter head and properly signed. The vendor shall provide the PAN no. and GSTN no. along with quotation.

**7.3** Sealed Quotation should be super scribed as "**Handling of various equipments and disassemblies/assemblies of fabricated piping during commissioning of process systems and installation of miscellaneous carbon and stainless steel structural components for Nuclear Research Facility – North Site**", with reference number

of this inquiry letter. The quotation should reach the undersigned **before 1500 hrs. on 28/11/2017 preferably by Registered post/ Speed post.**

- 7.4** No advance or part payment is admissible.
- 7.5** In case any extension in the job completion period is required, the vendor has to write to BARC giving proper justification for the delay & it should be approved by the concerned division in BARC.
- 7.6** We reserve the right to terminate the contract at any stage of execution of the contract, without assigning any reasons.

**8.0 PENALTY:**

Any delay which is attributable to the contractor is liable for penalty @ ½% per week (max 5%) to be imposed on the contractor.

**9.0 PAYMENT:**

By ECS within 3-4 weeks after satisfactory completion of works and submission of bills with advanced stamped receipt, bank details and Guarantee certificate.

**10.0 DEDUCTION OF TAXES AND SURCHARGES:**

Income tax @2% (or as applicable) plus education Cess will be deducted from the bill.

**11.0 CONFIDENTIALITY CLAUSE:**

**Confidentiality:**

No party shall disclose any information to any third party concerning the matter under this contract.

**Restricted information:**

Categories under section 18 of the Atomic Energy Act, 1962 and “official secrets” under section 5 of Official Secret Act, 1923 – Any contravention of the above mentioned provisions by any contractor, sub-contractor, consultant, advisor or the employee of a contractor will invite penal consequences under the aforesaid legislation.

**Prohibition against use of BARC’s name without permission for publicity**

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, TV or internet without the prior written approval of BARC.

**12.0 SECURITY INSTRUCTION:**

Please indicate whether any of your relatives are employed in BARC or you or any of your employees were employed in BARC or any other units of DAE.

**SD**

(S. Bhattacharya)  
Head, RRDPD & Assoc. Director, RG  
BARC, Mumbai-400 085

Encl: Schedule of work

## Schedule of Work

**Name of work: Handling of various equipments and disassemblies/assemblies of fabricated piping during commissioning of process systems and installation of miscellaneous carbon and stainless steel structural components for Nuclear Research Facility – North Site.**

1	2	3	4	5
Sl. No	Particulars	Qty	Cost per kg	Total cost (3 X 4)
1	Handling/fabrication of various equipments and disassemblies/assemblies of fabricated piping (Weight: Less than 100Kg)	1240 Kg		
2	Handling/fabrication of various equipments and disassemblies/assemblies of fabricated piping (Weight: More than 100 Kg)	1290 Kg		
Total =				

Taxes (if any) :

GST @ % : \_\_\_\_\_

Any other: \_\_\_\_\_

Other charges (if any): \_\_\_\_\_

Total (including all of above): Rupees \_\_\_\_\_

(In figures & words)

**Date:**

**Authorised Signature & Seal of Vendor**