GOVERNMENT OF INDIA  
Bhabha Atomic Research Centre  
Reactor Safety Division  

MF-(Enquiry)  
Hall.No.7, Trombay  
Mumbai 400 085  

Ref: RSD/CSS/JC/AK/MF/2020/ 113946  
November 9, 2020  

Sub: Minor Repairs/ fabrication- invitation to quote  

Dear Sir,  

Sealed quotations are invited by Head, RSD for Tender Enquiry for “Supply of paint, primer and painting of BARCOM steel structures at BARCOM facility at BARC, Tarapur site as per Annexure-I.”  

SCOPE :  
The scope of the work broadly involves:  

(1) Supply of paint, primer and painting of BARCOM steel structures at BARC facility at Tarapur as per Annexure-I.  

1. The quotations must reach Head, RSD, Engg. Hall No. 7, BARC, Trombay, Mumbai- 400 085 on or before 23.11.2020. The envelope should be super scribed “MINOR FABRICATION-BARCOM, CSS, RSD, Hall-7” and indicate this office reference no. & due date of opening clearly. The envelope should be sealed and sent through SPEED POST or REGISTERED POST.  
2. The necessary items as given in the enclosed technical specifications (Annexure-I) will be provided by the supplier.  
3. The bidder shall provide full details of technical specifications for all the items offered, along with product information catalogues showing model, make, type, constructional details, materials, material certificate etc. to facilitate speedy evaluation of the quotation. Without this information the purchaser reserves full right to reject the offer for evaluation.  
4. Bidder shall quote the item wise cost of each of the works described in the Annexure-I (Technical Specifications). The bidder shall submit a list of materials required including the quantity and applicable GST. The bidder shall submit complete information asked in the enquiry, otherwise the quotation will not be accepted. The quotation shall be on proper letter head mentioning Reference number, date, complete address, Phone numbers, fax number, email, PAN number/ GST registration, etc. Without these details quotation will be liable for rejection.  
5. General terms and conditions are given in Annexure-II.  
6. The quotation will be opened on 24.11.2020 at 14.00 Hrs.  
7. In case the bidder need to clarify and understand the full scope of this work before submitting the quotation, he may do so by prior appointment with Shri. Aditya Karanam, SO/E, Engg. Hall No. 7, BARC, Trombay, Mumbai- 400 085 or with Shri. I. Thangamani, SO/F, Engg. Hall No. 7, BARC, Trombay, Mumbai- 400 085 on Phone no. 25593547.  
8. Work should be completed within 120 working days from the date of receipt of the order.  
9. The price quoted should be valid for at least 90 days from the date of opening of the quotation.  
10. The work is linked with the commissioning and experimental schedules of the BARCOM facility, BARC, Tarapur, which is to be strictly adhered in view of the importance of the project. The contractor shall ensure to be timely present at the site as and when required.  
11. A brief list of similar jobs executed earlier such as fabrication, commissioning of mechanical works, proof testing of thermal hydraulic facilities or other similar jobs if any and the name of the organization for which the work was carried out should be furnished with the quotation.
12. All Taxes, excise duty, etc. shall be quoted separately. Any tax exemption certificate, if applicable, shall be given along with the order.
13. Pro-rata payment i.e., splitting of order is not acceptable.
14. Bidder shall note that BARC is final consumer of the goods/service procured and does not intend to make any outward supply. BARC will not avail the benefits of input tax credit and hence the good can be supplied without quoting GSTIN of BARC, Mumbai on invoice. The invoices taxed under GST as per rates applicable under the GST schedule of rate will be admitted for payment.
15. GSTIN Invoice: The raised by the registered supplier of taxable goods/services along with other details specifically indicating: GSTN, PAN, Location of supply, tax component to be separately indicated.
16. **No Free issue of Material will be provided.**
17. Payment will be made as per Government Rules after successful and satisfactory completion of the job. No advance payment will be made before completion of entire job.
18. The minor fabrication work will be subject to inspection/supervision by the indenting officer or his authorized representative.
19. The bidder shall specify that "whether he/she has any relation in BARC or the bidder himself 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.
20. The fabricator should strictly follow "confidentiality clause" as per **Annexure-III.**
21. Head, Reactor Safety Division reserves the right to accept/reject any or all of the quotations received without assigning any reason whatsoever.

Encl:- Annexure-I, Annexure-II and Annexure-III

Copy to:
1. Shri Aditya Karanam, CSS, RSD
2. Asstt. Stores Officer, Zonal 9, Engg. Hall 7

(Dr. J. Chattopadhyay)
Head, RSD

(Head, Reactor Safety Division)

Head, Reactor Safety Division

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A. Scope of Work for BARCOM Facility:

Supply of paint, primer and painting of BARCOM steel structures at BARC facility, Tarapur as per
Table 1. The job involves supply of necessary quantity of red-oxide primer and enamel/oil paints of
reputed make (such as Berger, Asian, Nerolac) for the area mentioned in Table-1. The work also
involves scrubbing of dirt, rust and other foreign particles from the painting surfaces followed by
applying of two coats of red-oxide primer (to the applicable surfaces) and then two coats of enamel/oil
paint.

Table-1. Work description for painting of steel surfaces at BARCOM

<table>
<thead>
<tr>
<th>S.No</th>
<th>Description</th>
<th>Total Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Painting of BARCOM steel structures which are listed below:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Steel Wire Mesh (Double side): Periphery (60M length x 12M height) &amp; Top (Diameter 18M)</td>
<td>975 m²</td>
</tr>
<tr>
<td>2</td>
<td>Main Air Lock (MAL) Door and associated structures.</td>
<td>68 m²</td>
</tr>
<tr>
<td>3</td>
<td>Steel railing pipes on concrete stair case located outside the BARCOM</td>
<td>175 m²</td>
</tr>
<tr>
<td></td>
<td>containment.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Steel grills/gratings and its associated structures placed on the walkway on</td>
<td></td>
</tr>
<tr>
<td></td>
<td>each floors (Total 4 floors) outside the BARCOM containment.</td>
<td>675 m²</td>
</tr>
<tr>
<td>5</td>
<td>Steel Railings and its associated structures on each floors.</td>
<td>150 m²</td>
</tr>
<tr>
<td>6</td>
<td>Steel support structures (C-section) for Dial gauges.</td>
<td>100 m²</td>
</tr>
<tr>
<td>7</td>
<td>Steel Ladder and its associated structures kept outside the BARCOM to</td>
<td>30 m²</td>
</tr>
<tr>
<td></td>
<td>access the walkway floors.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Steel Ladder and its associated structures kept inside BARCOM containment</td>
<td>33 m²</td>
</tr>
<tr>
<td></td>
<td>to access the floors.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Air supply and exhaust system of BARCOM containment.</td>
<td>80 m²</td>
</tr>
<tr>
<td></td>
<td>The system consists of Pressurisation and De-pressurisation pipe lines,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Instrument Air lines with small air tank, Air Receivers (3nos) and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>associated pipe lines, support structures etc.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Steel Junction Boxes (80 nos) and its support structures.</td>
<td>200 m²</td>
</tr>
<tr>
<td>11</td>
<td>Steam Generator Opening (2nos), F/M Air Lock, Emergency Air Lock and</td>
<td>50 m²</td>
</tr>
<tr>
<td></td>
<td>Embedded Pipes and other steel structures on BARCOM containment Model.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Steel Structures of BARCOM Roof and other associated structures consists of</td>
<td>534 m²</td>
</tr>
<tr>
<td></td>
<td>I-section beams, cross beams, angles etc.</td>
<td></td>
</tr>
</tbody>
</table>

Prepared by:  
(Aditya Karanam)  
SO/E, CSS, RSD

(Vishnu Verma)  
Head, CSS, RSD
ANNEXURE – II

General Terms and Conditions

A. Approval stages:
   i. Material certificate from supplier shall be submitted for approval. After getting approval from the concerned engineer, work can be started at site. Inspection report at every stage of fabrication and radiography films and testing report etc. shall be submitted for our approval.
   ii. The vendor should rectify the defects, if any, identified/occurred during inspection/testing/installation/transportation etc.
   iii. Vendor shall follow the approval stages strictly and the final installed product should be defect free, leak tight and qualify the safe operating requirements, otherwise, the department has the right to cancel the order.

B. Work Quality:
   All work shall be done with good workmanship. Painting/Welding should be carried out by qualified person/welder. Our supervisor will supervise quality of work.

C. Security permission:
   i. Contractor shall appoint the required workers with high integrity and will be responsible for his workers. All BARC security rules will be applicable. Supplier must dispose of all the debris after completions of the job. Entry permit will be issued on monthly basis and contractor must have valid photo pass.
   ii. The site is restricted area and permission to the personnel coming inside the premises for installation work, require security clearances. Hence firm has to obtain Police Verification Certificates (PVC) from Police Commissioner Officer (not local police)/District Magistrate office, for all the persons coming inside the premises for work. The copy of PVC shall be submitted along with offer. Otherwise offer will not be considered for evaluation.
   iii. Firms, who have not worked inside the DAE units (BARC/NPCIL/IGCAR/AERB) in past, have to go through security vetting procedure and this, may take some time to complete.
   iv. The entry passes for personnel coming inside premises are made by Security Section and require local residence proof and identification proof along with PVC.

D. Free issue Material and Work period:
   No Free issue materials will be provided. After the supply of firm work order, the work shall be completed in 120 working days.

E. Fabrication and Installation:
   i. The painting, mechanical fabrication, erection, installation, testing and commissioning of all the items mentioned in Annexure-I shall be done according to the relevant design practices and as directed by concerned engineer. Minor changes suggested by BARC in design/work, if any, should be accommodated during fabrication or work period. Variations in dimensions shall be within tolerance limits.
ii. All rubber bushes, lock nuts, inspection crosses, clamps, saddles, spacers, screws, nuts, bolts, washers, and other accessories shall be supplied by the contractor as required.

iii. The equipment and tools required for executing this work shall be arranged by the contractor. Free electricity will be provided by the department. However, hooking any instruments to the mains power supply shall be subjected to the necessary approval of the concerned engineer.

iv. The contractor shall have to maintain the area assigned to him for the work very clean and shall follow the instructions of Engineer in-charge in this regard. All equipment/tools etc. are to be removed and the site area to be cleaned after the end of the day’s work.

v. The technician required carrying out mechanical fabrication, erection, installation, testing and commissioning work shall be skilled and have requisite qualification/certificates. The documents are to be provided (in original) to engineer in-charge, before commencement of work at site. Unqualified/unskilled technician/workers will not be allowed to work at site.

F. Testing and commissioning
The testing and commissioning of all the above mentioned components shall be done according to the relevant practices and as directed by concerned engineer.

G. Price Schedule

i. The bidder shall quote unit rates for each item of work given in Tables for supply of material, fabrication, installation, testing and commissioning work. The amount for each item shall be worked out and the requisite total shall be given. NOT GIVING THIS BREAK-UP TO THE FULLEST DETAIL AS REQUIRED IN THE TABLE SHALL BE SUFFICIENT CAUSE FOR OUTRIGHT REJECTION OF THE OFFER WITHOUT ANY CONSIDERATION.

ii. Bidders shall go through the technical specifications and provide in the offer point by point compliance. The technical deviations, (if any) shall be indicated clearly in the offer. The necessary catalogues are required to be submitted for supply items along with the offer. It may be kindly noted that no further communication will be made to get the technical clarifications. THE OFFERS WITHOUT THIS INFORMATION WILL BE REJECTED WITHOUT ANY CONSIDERATION.

iii. The entire work is to be completed within 120 working days reckoned from the 5th day of date of issuance of work order (depending on the site availability). Offer with short period of completion time will also be taken into consideration.

iv. It may also be noted that any delay (in completion of work), which is attributable to the contractor is liable for LD charges @0.5 % per week (max 5%) will be imposed on the contractor, as per the rules and guidance of this Department shall be levied.

H. Completion of contract
The works to be executed by the contractor shall be deemed to be completed only when
i. The supply, fabrication, installation, testing and commissioning are carried out as per the technical requirements given in this tender document.
ii. Any defects, deficiencies brought out during testing are rectified and retested wherever necessary to the satisfaction of the engineer.

iii. The material should be transported safely to the site without any damage. Otherwise the finished product will not be accepted.

I. General Specifications:

1. Quality surveillance, inspection:
   All work covered by the specification shall be subject to quality surveillance / inspection by our authorized representative.

2. The fabricator shall not sub-contract any or all of the work without written consent from the purchaser. The fabricator shall be responsible to the purchaser for all work of the sub-contractor, if allowed.

3. All the safety precautions as per applicable code and practices shall be followed at site. The Personal Protective Equipment (PPE) shall be strictly used by workers while working at site. The safety instructions shall be followed in all respect. The contractor will be responsible for any injury/accident occurring at site, due to any reason, department will not pay or liable for any compensation.

4. Payment will be made only after satisfactory completion of the work and against submission of original bill and advanced stamp receipt.

5. Income tax @1.5% and GST TDS @ 2% on the bill amount shall be deducted from the payment.

Prepared by: 

(Aditya Karanam)
SO/E, CSS, RSD

(Vishnu Verma)
Head, CSS, RSD
1. **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 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 also apply to the sub-contractors consultants, advisers or the employees engaged by a party with equal force.

2. **“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.

3. **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.