Ref: - UED/PL-13/20/94399

Tender No.: BARC/UED/VLS/20040
Due date: 30/10/2020

Date: 5.10.2020.

Sub: Fabrication, supply and guarantee of FGRP Scaffold assembly for Electrical Maintenance at UMRT, UED.

Dear, Sir/Madam,

Quotations are invited on behalf of President of India in sealed envelopes for Fabrication, guarantee, and supply of FGRP Scaffold assembly for Electrical Maintenance as per following description.

Scope of works:

- The work includes preparation of engineering drawings, BOM for approval.
- All the work will be carried out as per given technical specification, standards and quantity.
- All the material will be inspected at vendor's premises in the presence of our representative before delivery.
- Material test certificate for mechanical and chemical properties from government approved laboratory shall be submitted by the vendor at the time of inspection.
- Load testing shall be carried out by the vendor in presence of our representative.
- Unloading of the material is in vendor's scope only.

Quantity:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Description</th>
<th>Size</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>1.</td>
<td>FGRP Scaffold for electrical maintenence</td>
<td>850x1300 mm</td>
<td>01 No.</td>
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Technical Specification:

a) MOQ-FGRP-Fiberglass Reinforced plastic
b) Scaffold Size: 850 X1300 mm
c) Overall Height of scaffold: 5.0 m
d) Platform Height: 4.0 m
e) Load capacity :275 kg per platform.
f) Structural Capacity : 900 Kgs
g) Maximum working height: 6.0 m
h) Maximum Guardrail: 1 m  
i) Safe Working load: Uniformly distributed up to a maximum of 900 Kgs per tower (including the self-weight of the tower)  
j) Number of platforms: 1 Nos (2 Trapdoors and one fixed deck)  
k) Number of levels: At least 2 levels, Platform at every 2 meters for safety  
l) Material of construction: Glass Reinforced Polymer – GRP  
m) Included Components: Adjustable legs, Lockable castors, Frames with integrated ladder, Span Frames, Diagonal bracing, Horizontal Bracing, Stabilizers and toe boards for material fall protection.  

n) Components Specification:  
- Material to have bearing capacity of at least 900 Kgs as per En1004 safety standard, preferably made up of Nylon66 which has least wear and tear  
- Load Centerline: when locked, castor spigot and castor locus of movement should match the centerline of the scaffold upright in order to distribute load directly without creating force arm and hence torque which will prevent toppling of scaffolds  
- Adjustable leg: for heights >3meters, min of 250mm pitch on adjustable leg and minimum 300mm to be inserted into scaffold upright to prevent toppling  
- Ribbed rung tubing for increased grip  
- Primed brace claw mechanism for easy installation  
- Self-cleaning adjustable legs  
- GRP deck profile giving deck board edge protection  

o) Applicable Standards:  
The scaffold tower shall be designed and laid out in accordance with BS EN 1004:2004 and certified by EARTHCO or equivalent.  

p) Testing & Certifications-  

Electrical:  
1) Scaffold should be dielectrically tested and certified in accordance with BSEN60855, BSEN61235 and ASTM F711-02 from EARTHCO or equivalent.  

Mechanical:  
I. Testing report of Stiffness test conducted on free standing tower according to BS EN 1004:2004 with actual test images.  
II. Testing reports of GRP molded bracings withstanding the Compressive loads with maximum applied load of 589 kgs and a maximum deflection of 184mm with actual test images.  
III. Testing reports of GRP molded Stabilizers withstanding the Compressive loads with maximum applied load of 550 kgs and a maximum deflection of 157mm with actual test images.  
IV. Testing reports of Stabilizers couplers torsion test with actual test images.  

q) Spares for Assembly of scaffolds:  
1. Lockable castors -2 Nos,  
2. Hooks (All Type)-each 2 Nos,  
3. Inter Locking Clip -4 Nos.,  
4. Spigots-4 Nos,  
5. Joints-4 Nos,  
6. All types of tubes of each size – 2 nos. each  
7. Locking mechanism-2 nos,  
8. stabilizer clamp-2 nos,  
General details & Fabrication:

a. Material as mentioned in technical specification are to be strictly followed and material test certificates (for composition, are to be provided from a government approved laboratory for all major components.)

b. Vendor has to submit all design and technical details along with offer. Technical details should include design standard, hydro and pneumatic test conditions, approximate weight, and dimension of the valves.

c. Vendor has to prepare GADs, Fabrication drawings, BOM and send them for approval from BARC representative before fabrication.

d. **No subcontracting is allowed.**

e. Scaffold dimensions should be identical with specifications mentioned in the standard.

f. Scaffold shall be repairable i.e., lockable castors, span frame, Horizontal bracing shall be replaceable without welding or cutting.

Other important points:

- No free issue material will be provided by UED/BARC.
- The vendor must be well experienced and have a previous experience of similar jobs. The vendor should be able to present evidence of their work if the department requires them to do so for technical assessment.
- Vendor/Contractor and his work force should have experience of working in BARC premises related to above mentioned jobs.

**TERMS AND CONDITIONS:**

*Note: [Reference: (2/Misc-9/Lgl/2001/92 dated April 30, 2001, BARC]*)

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 "Propriety" 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.

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

**PRICE**
Price should remain firm throughout the contract

**GUARANTEE**
The vendor shall guarantee against any manufacturing defect and trouble free performance for a period of one year from the date of completion of the work.

**DURATION**
Within one month from the date of receipt of the order as the work is urgent.
PAYMENT : 100% after satisfactory completion of work and submission of the following documents.

- Original bill each in triplicate.
- Advance stamped receipt, cancelled cheque and ECS mandate documents.
- Guarantee certificate
- GST related documents.

Quotations should reach by **speed post or registered post only** on or before the stipulated date in sealed envelope and please mention clearly the tender number, due date, party’s name and subject on the top of the envelope duly sealed and addressed to Head, Uranium Extraction Division BARC, Trombay, Mumbai – 400085. **Do not** include other charges with basic coast like P&F, packing, transport and testing etc. of the work. Other charges will be mentioned separately with respective GST and HSN code of the material. Please mention your PAN No, GST No. with the offer. Otherwise the offer is liable for rejection.

Thanking You,

Yours faithfully,

Vipin L. Shirsat
SAVE, UED.