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सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र

BHABHA ATOMIC RESEARCH CENTRE

RESEARCH REACTOR MAINTENANCE DIVISION

Ref: RRMD/TR-1/TN-05/2018

Date: 02 / 02 / 2018

TENDER NOTICE

Sir,

Sub: Fabrication, Supply and installation of portable Morcha cabins for Dhruva.

Sealed quotations in duplicate are invited by **speed post only** for and on behalf of the President of India for **Fabrication, Supply and installation of portable Morcha cabins for Dhruva** as per scope of work detailed below. Your offer should reach this office (APO, RRMD Office, BARC, Trombay, Mumbai-400085) latest by **15.00 hrs. on 23.02.2018**, super scribing the "QUOTATION" and our tender reference on the envelope. The tender will be opened on **15.30 hrs on 26.02.2018**. The quotation should be in lump sum amount including taxes etc, if any.

1.0 Scope of work

Scope of work covers Fabrication, Supply and installation of portable Morcha cabins as per attached tender specification and QA requirements.

2.0 Technical Specifications:

As per attached Annexure.

3.0 Delivery and Installation:

3.1 The portable Morcha cabins after fabrication and performing necessary tests as listed in annexure attached shall be delivered to RRMD, BARC and installed at site within **Six months** from the date of placement of work order.

- 3.2 The Jetty head Morcha cabin shall be delivered to the installation site (roof of jetty head) in dismantled condition because of space and jetty constraints and then assembled & installed. Vender are specifically requested to visit the site and familiarize himself with the location and facilities available for this work and obtain any other information which may influence or affect this tender, before submitting quotation. **The vendors interested for site visit should intimate by e-mail to apsingh@barc.gov.in by 08/02/2018. After this date site visit request will not be accepted.**
- 3.3 The delivered cabins shall be installed by the vendor without any cost at appropriate location and the existing portable cabin (replaced cabin) shall be dismantled and disposed to the allocated place inside the BARC.

4.0 Commercial & General Terms:

- 4.1 **Payment:** Full and final payment will be made after satisfactory completion of the entire job only and on production of bill in duplicate, advanced stamped receipt and work completion certificate by RRMD, BARC. Release of advance or interim payment cannot be considered.
- 4.2 **Taxes:** Income tax, surcharge / service tax on income tax, works contract tax or any other applicable taxes will be deducted at the prevailing rates.
- 4.3 In case any extension in the job completion period is required, the contractor has to write to Head, RRMD, BARC giving proper justification for the delay & it should be approved by Head, RRMD, BARC.
- 4.4 **Time** shall be the essence of the contract. If the contractor fails to comply with this condition, he shall be liable for penalty @ ½ % per week (maximum 5 %) or such a smaller amount as Head RRMD (whose decision in writing shall be final) may decide on the said estimated cost of whole work for every day that the due quantity of the work remains uncompleted. Provided always that the entire amount of Compensation to be paid under the provision of this clause shall not exceed 5 % of the estimated cost of the work as shown in the tender. All efforts should be made by the contractor to improve upon the completion period. The contractor has to abide by the time allotted for the repair.
- 4.5 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.

- 4.6 The quotation shall be given on vendor's letter head and properly signed. The vendor shall provide the PAN no. and GST no. along with quotation. Sealed Quotation should be superscribed as "**Fabrication, Supply and installation of portable Morcha cabins for Dhruva**", with reference number of this inquiry letter.
- 4.7 Only vendor who has completed the similar fabrication job in SS 304L in govt/public sector organization of order not less than Rs. 10,00,000/- at his disposal and has sufficient experience in this field shall submit the quotation. The vendor shall provide the proof of his experience in such job.
- 4.8 The quotation shall be valid for a period of 120 days from the bid due date.
- 4.9 We reserve the right to terminate the contract at any stage of execution of the contract, without assigning any reasons.

5.0 Confidentiality clauses:

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 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.

6.0 Safety:

Above work calls for adherence to safe work practice. BARC shall not be responsible for any damage, injury, death etc of any contractor's personnel under any circumstances. No compensation claim shall be admitted in this regard.

7.0 Security Instructions:

The contractor has to follow strictly the security regulations prevailing in BARC from time to time whenever entry inside BARC is required related to job especially in regard to working hours, movement of materials and entry permits.

s/d

(Manoj Tilara)

Head, SRC, RRMD

Telephone : 2559 4258
Telefax No. 2550 5311

For and on behalf of the President of India

Encl: Shedule of work
Annexure

Schedule of Work :

Name of work : Fabrication, Supply and installation of portable Morcha cabins for Dhruva.

Sr. No.	Item Description	Unit	Qty	Rate Per Unit (Rs.)	Total (Rs.)
1.	Fabrication, supply, assembly at site (Jetty head) and installation of Morcha cabin at Dhruva jetty as per specification.	Nos.	1		
2.	Fabrication, supply and installation of Morcha cabin at Dhruva entry gate as per the tech. specification.	Nos.	1		
3.	Fabrication, supply and installation of Morcha cabin at Cirus entry as per the tech. specification.	Nos.	1		
		Total Basic cost =			

Packing & Forwarding: _____

Transportation : _____

Other charges (if any): _____

Taxes (if any) :

GST : _____

Any other: _____

Total (including all of above): Rupees _____

(In figures & words)

Date:

Authorised Signature & Seal of Vendor

ANNEXURE

Technical specifications for fabrications, supply and installation of portable Morcha cabin for Dhruva

1.0 Back ground:-

The existing portable cabins at Dhruva jetty used by CISF security/patrolling persons are in bad condition because of aging. These cabins are not safe for patrolling and vigilance purpose because of less side wall thickness. These cabins are required to be replaced with new Morcha cabin. Two more Morcha cabins (one at Dhruva main gate and other at Cirus main gate) are required for same purpose. These new Morcha cabins shall be made from 10 mm MS/CS plate and ply board. These cabins are required to be installed at site and simultaneously the old cabins have to be disposed at the specified/allocated place inside BARC.

2.0 Scope of supply

General :

This specification establishes the requirements for the preparation of shop drawings, procurement & testing of raw materials, fabrication, inspection, delivery to Dhruva Stores, BARC and installation of 3 nos. of Morcha cabins as specified below.

- 2.1 The Morcha cabin shall be fabricated from MS framework with channel/square pipe and side wall made of 10 mm thick MS plate up to the height of bottom of window panel. Sliding windows of full side length are provided on three sides of the cabin (except door side). The window panel is supported on channel (ISMC 75×40) frame work. Similar frame work is provided above window frame also. The wall thickness of 68 mm (10mm of MS plate + 50 glass wool + 8 mm laminated sheet) all around is provided up to a height of approximately 4 feet from floor level. The cabin wall above the window panel (up to roof) shall be made from 2 mm thick MS sheet with appropriate reinforcement, 50 mm glass wool and 8 mm laminated sheet. The bottom floor level shall be made from 6 mm thk MS chequered plate with road marking paint.
- 2.2 Leg support shall be 100 x 100 x 6 mm thick MS box section. The Leg support base shall be 400 x 400 x 10 mm thick MS plate with four stiffeners and holes.
- 2.3 The window shall be sliding type made of powder coated aluminium frame work with 5mm Thick toughened clear glass. One sliding shutter shall be provided with mosquito net. .
- 2.4 Roof of the cabin should be 25mm thick PUF (polyurethane foam) sandwiched Galva-Alu/ GI sheet below which a laminated sheet of 8 mm should be provided .
- 2.5 MS material shall be painted with 2 coats of zinc phosphate / Epoxy primer followed by 2 coats of epoxy paint of colour matching with adjacent prefabricated structure.
- 2.6 Each cabin should have one rack in leg side to keep belongings of one person with seating arrangement.
- 2.7 Each cabin should be equipped with 1 no. of chair and 1 no. of table.
- 2.8 Cabin shall have appropriate sun-shade for the windows.
- 2.9 Gun Holder (stand) shall be made with 32 NB GI Pipe.
- 2.10 All welding member shall be full welded.
- 2.11 Cabin shall be provided with single phase power supply and all electric accessories shall be provided with wiring.

2.12 Requirement for Jetty head Morcha portable cabin :-

- a) Cabin dimension shall be **2.02 m × 3.01 m × 3.25 m height** with following fittings.

Sl no.	Description	Quantity	Remarks
1	Door	1 no.	Dimension (3' × 7')
2	Window	3 nos.	Toughened glass in Aluminum frame work along with wire mesh.
3	LED light fittings	4 nos.	
4	External light fitting	1 no.	
5	6 amp switch socket	10 nos.	
6	16 amp switch socket	3 nos.	
7	Switch board	1 no.	
8	Telephone point	1 no.	
9	Lan point	2 nos.	
10	Wall fan	2 nos.	Minimum 18 inch dia
11	Exhaust fan	1 no.	Minimum 8 inch dia
12	Rack {3'(L) × 1.5'(W) × 3'(H)}	1 no.	
13	Gun stand	1 no.	Made from 32 NB GI pipe
14	Walky talky phone stand	1 no.	
15	Security chair and table	1 no. each	

- b) Every window shall be provided with sun-shade (at least 92 cm projection from side wall) just above the window panel to reduce the entry of windy rain.
- c) Roof of the cabin should be 25mm thick PUF (polyurethane foam) sandwiched Galva-Alu/ GI sheet below which a False Ceiling of 100 mm glass wool and 8 mm laminated sheet should be provided.
- d) The Jetty head Morcha cabin shall be brought to its installation location in the dismantled condition because of jetty constraints and then assembled & installed. The installation site is jetty seawater pump room terrace. Porta cabin components are to be taken to the terrace and help of crane may be required for handling.

2.13 Requirement for Dhruva main gate Morcha cabin.

- a) Cabin dimension shall be **2.0 m × 1.85 m × 1.98 m height** with following fittings.

Sl no.	Description	Quantity	Remarks
1	Door	1 no.	Dimension (3' × 7')
2	Window	3 nos.	Toughened glass in Aluminum frame work along with wire mesh.
3	LED light fittings	2 nos.	
4	External light fitting	1 no.	
5	6 amp switch socket	4 nos.	
6	16 amp switch socket	2 nos.	
7	Switch board	1 no.	
8	Telephone point	1 no.	
9	Lan point	1 nos.	
10	Wall fan	2 nos.	Minimum 18 inch dia
11	Exhaust fan	1 no.	Minimum 8 inch dia
12	Rack {3'(L) × 1.5'(W) × 3'(H)}	1 no.	
13	Gun stand	1 no.	Made from 32 NB GI pipe
14	Walky talky phone stand	1 no.	
15	Security chair and table	1 no. each	

2.14 Requirement for Cirus main gate Morcha cabin.

- a) Cabin dimension shall be **2.0 m × 1.85 m × 2.15 m height** with following fittings.

Sl no.	Description	Quantity	Remarks
1	Door	1 no.	Dimension (3' × 7')

2	Window	3 nos.	Toughened glass in Aluminum frame work along with wire mesh.
3	LED light fittings	2 nos.	
4	External light fitting	1 no.	
5	6 amp switch socket	4 nos.	
6	16 amp switch socket	2 nos.	
7	Switch board	1 no.	
8	Telephone point	1 no.	
9	Lan point	1 nos.	
10	Wall fan	2 nos.	Minimum 18 inch dia
11	Exhaust fan	1 no.	Minimum 8 inch dia
12	Rack {3'(L) × 1.5'(W) × 3'(H)}	1 no.	
13	Gun stand	1 no.	Made from 32 NB GI pipe
14	Walky talky phone stand	1 no.	
15	Security chair and table	1 no. each	

2.15 Although the overall dimension of the cabins are indicated above, the vender are required to manufacture the cabins based on the available space and support at site.

2.16 All the material required for fabrication and supply of all components covered in this specification shall be in the Vendor's scope.

2.17 It is not the intent to specify completely all the details of design and construction of the assemblies. However, these assemblies shall conform, in all respects, to high standard of engineering design and workmanship. Purchaser will interpret the meaning of drawings and specifications and shall have the power to reject any work or materials which in his judgment are not in full accordance therewith.

2.18 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.

3.0 Material and Workmanship :-

3.1 Material required for Morcha cabin are MS/CS plate, sheet and section conforming to IS 2062. Procurement and supply of material for all the components shall be the responsibility of the vendor. All material procured by the vendor shall be new and free from any visible defects. Materials and standard parts which are not specifically mentioned herein, and which are necessary for the fabrication and assembly of the components, shall be new and of good quality.

3.2 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. All workmanship and finish shall be of the best quality and shall conform to the best approved method of fabrication. All holes and edges shall be free of burrs.

4.0 Drawing requirements:

4.1 Vendor shall prepare shop fabrication drawings for the entire work. The drawings prepared by the Vendor shall indicate the details of fabrication and also the bill of material. Vendor shall be responsible for the correctness of all shop drawings. **Only the shop drawings approved by the purchaser shall be used for fabrication.**

4.2 Purchaser 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.

5.0 Inspection and testing:

6.1 The bidder shall carry out all the inspection and testing as mentioned in the specification. The quality surveillance shall be carried out by purchaser or his representative. The vendor shall

submit a Quality Assurance Plan (QAP) for purchaser's approval before commencing the fabrication work. The scope of inspection shall consist of but shall not be limited to the following.

- 6.1.1 Dimensional check:** The components shall be inspected at all stages of manufacture to verify that the dimensions, alignments, surface finish and shall be in accordance with the requirements shown in the approved shop drawings.
- 6.1.2 Mechanical test :** Tension tests shall be conducted for all MS/CS plate, sheet and section conforming to IS 2062. The Mill test certificate can be submitted for the purpose correlating to Lot no. and Heat no. of the item.
- 6.1.3 Chemical test:** The chemical composition for all MS/CS plate, sheet and section shall conform to IS 2062. The Mill test certificate can be submitted for the purpose correlating to Lot no. and Heat no. of the item..
- 6.1.7** The root and final pass of all the welds shall be subjected to die penetrant testing (DPT).

7.0 Approval of documents and drawings

The vendor shall submit the manufacturing drawings and Quality Assurance Plan (QAP) within 10 days from the date of issue of work order for approval by the purchaser. The vendor shall commence the manufacture of the assembly after the approval of the above mentioned documents and drawings.