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GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
DESIGN, MANUFACTURING & AUTOMATION GROUP (DM&AG)
DIVISION OF REMOTE HANDLING & ROBOTICS (DRHR)

Ref: DRHR /AKH/ENQ/2018/ 221

Date: 12/6/18

Sub : **Minor Fabrication -**

Dear Sir,

Quotations are invited for the minor fabrication job : **Resident Carrier Module (Qty: 2 assemblies)**
Bidder shall quote for fabrication and supply of these components as per the enclosed drawings and specifications.

1. Taxes, Excise Duties, other charges, if any, shall be quoted separately.
2. The quotation must reach Associate Director RD&DG and Head, DRHR, BARC by **27th June 2018 (before 11.00 a.m)** and must be sent in a sealed envelope super scribed with the **reference number & the due date given above.**
3. The address on the envelope should read:
Dr. D.N. Badodkar , Director-RD&DG
BARC, Trombay, Mumbai - 400 085.
(Attn . A. K. Haruray, SO(H⁺),DRHR)
4. Director RD&DG reserves the right to accept / reject any or all quotations without assigning any reason.
5. Incomplete offer / offer received after the due date shall not be considered.
6. Quotations should be preferably neatly typed and corrections are not acceptable.
7. Quotation received in computer-generated form shall not be acceptable. Quotation must be submitted in printed letterhead, mentioning clearly ST/VAT registration No. , PAN No. & Service Tax Registration No. Submission of challan and Invoice shall also comply the same, in case, work order is placed.

Supplier has to manufacture the components and the assembly as per the QA plan. All Standards and Codes mentioned in the QA plan/drawings must be adhered to and complied with. The assembly is complex and hence requires competent professional skill and workmanship. Only competent manufacturers having previous experience in manufacturing of similar job may quote for this enquiry. More technical details may be obtained at contact at 022-25592106 before quoting.

Dr. D.N. Badodkar
Director-RD&DG

Annexure

General Specification: Minor Fabrication Work Order

(Ref: DRHR /AKH/ENQ/2018/ 221

Date: 12/6/2018)

1.1 **Raw Material for all the components and the required hardware will be provided by the supplier . No Free Issue Material Will be Supplied by BARC.**

2. Quality surveillance, inspection and inspection report:

2.1 All work covered by the specification shall be subjected to quality surveillance by the purchaser or his authorized representative for which purpose the manufacturer shall allow access at all reasonable times during manufacture to

2.1.1 the premises in which work is being carried out.

2.1.2 The drawings and / or tooling involved.

2.1.3 Gauge, instruments etc required for inspecting the work.

2.2 Inspection and tests shall be carried out by the fabricator as per the requirements detailed in the drawings and these specifications.

2.3 The fabricator shall submit three copies of inspection reports to the purchaser for approval.

2.4 Components found unsatisfactory as to workmanship or material shall be removed by the fabricator and replaced by components, which are satisfactory.

2.5 The manufacturer shall use materials as specified by the purchaser and submit to the purchaser the material test certificate for his approval.

2.6 The finished components shall not be dispatched prior to approval by our engineer at bidder's works.

3. Delivery:

The bidder shall deliver the finished components, after approval by our engineer, within 6 **months** from the date the firm work order is issued to the bidder.

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

b) In case any extension in delivery is to be granted to the contractor, party's request for extension may be called for before expiry of the work order. The same may be justified by the Division, whether extension granted is with or without the levy of liquid ated damages.

4. Guarantee:

Item must be supplied along with the guarantee certificate for its **one year** (from the date of supply) of trouble free operation. Failure of any component would be unacceptable and will need replacement.

5. Sub-contract:

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

**Dr. D. N. Badodkar,
Director RD&DG**

7. Payment:

Payment of the above work order shall be made after satisfactory completion of job and on production of bill and advance stamped receipt and guarantee certificate.

8. Income tax and surcharge on IT:

Income tax at the rate of 2 %, will be deducted from the bill amount. While submitting the bill, party should furnish their PAN No., Service Tax/sales Tax/VAT registration No.

9. Confidentiality clause:

9.1 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. Consultant's advisers or the employees engaged by the party with equal force.

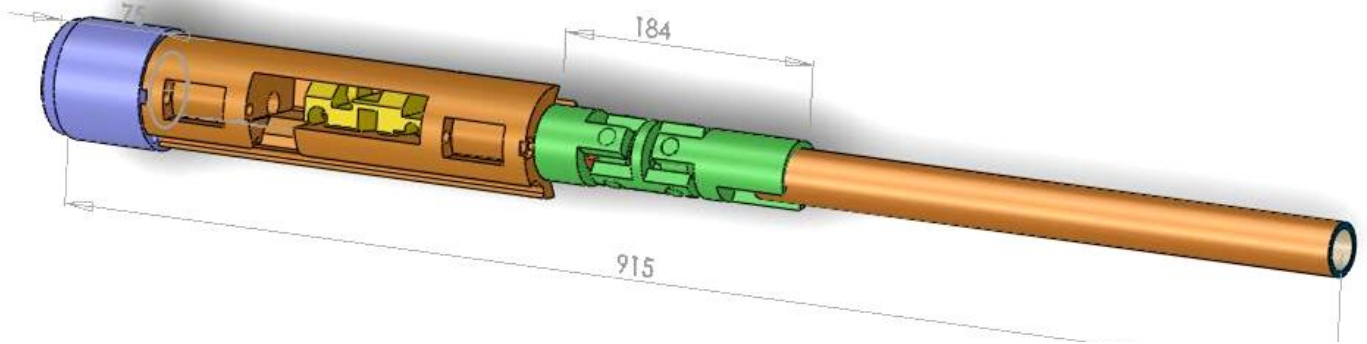
9.2 The supplier/contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, Radio, TV or Internet without the prior written approval of BARC.

9.3 Any contravention of the above mentioned provisions under Para 4.10 and 4.11 by any supplier/contractor, sub-contractor, consultant, adviser or the employees of a supplier will invite penal consequences under sec. 18 of Atomic Energy Act and 'Official Secrets' under sec. 5 of Official Secrets Act.

**Dr. D. N. Badodkar,
Director RD&DG**

Drawings and Specifications

Resident Carrier Module



Manufacturing

The Supplier has to manufacture the components and the assembly as per the QA plan. All Standards and Codes mentioned in the QA plan a/drawings must be adhered to and complied with. The assembly is complex and hence requires competent professional skill and workmanship. Only competent manufacturers are having previous experience in manufacturing of similar items may quote for this item. More technical details may be obtained at contact 022-25592106 before sending quotation.

BILL OF MATERIAL				
PART NO.	DESCRIPTION	Material	Qty	REMARKS
01	FRONT CENTERING MODULE	Titanium	01	-
02	ALLEN HD GRUB SCREW M6 X 25 LG. ASTM193	SS304	15	STD.
03	SPRING	EN45	04	-
04	FRONT LOCK NUT	SS304	01	-
05	FIXED ROLLER SUB ASSY		02	-
06	SENSOR BLOCK	SS316	01	-
07	SENSOR MODULE	Titanium	01	-
08	REAR CENTERING MODULE	Titanium	01	-
09	ALLEN HD GRUB SCREW M6 X 10 LG. ASTM193	Titanium	01	STD.
10	SLEEVE	SS	07	-
11	POTTING BLOCK	Titanium	01	-
12	DOUBLE UNIVERSAL JOINT SUB ASSY		-	-
13	SUPPORT BLOCK		-	-
14	ALLEN HD SCREW M6 X 15 LG. ASTM193	Al Bronze	01	STD.
15	SNAP RING	SS304	01	-
16	BASIC EXTENTION TUBE	EN45	01	-
17	NYLON SPACER	SS304	01	-
18	DIAMETER CALIBRATION BLOCK SUB ASSY		-	-
19	ALLEN HD GRUB SCREW M4 X 5 LG. ASTM193	SS	01	STD.
20	ALLEN HD SCREW M4 X 25 LG. ASTM193	SS	04	STD.
21	FREE ROLLER SUB ASSY	SS	04	-
22	ALLEN HD GRUB SCREW M4 X 18 LG. ASTM193	SS	04	STD.
23	ALLEN HD GRUB SCREW M4 X 08 LG. ASTM193	SS	04	STD.
24	ALLEN HD SCREW M5 X 25 LG. ASTM193	SS	01	STD.
25	END CAP	Nylon-6	01	-
26	SNAP RING	EN45	01	-

MATL.	STANDARDS FOR MATRERIALS
NYLON 6, PEEK	ASTM D638
EN 45	55SiMn7/AISI9255 (ASTM A322)
Al BRONZE	GRADE AB1/C95400 (ASTM B148)
SS 304	ASTM A276, ASTM A240
TITANIUM	ASTM B348
FASTENERS	ASTM A193 (GRADE B8 CLASS1)