

Government of India
Bhabha Atomic Research Centre
Control Instrumentation Division

Ref : CnID/AMIS/SSS/204

Date : 13.6.2018

Minor fabrication _ invitation to quote
Last date of receiving Quotation : 04/07/2018

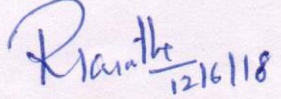
Sub: Minor Fabrication - Invitation of Quotation for fabrication, assembly & supply of "Magnetic holder" as per attached specification confirming to technical specification number: CnID/AMIS/SSS/001 Dated 11/05/18, Rev.0) . Qty: Refer Annexure II (Clause 5.0 Deliverables)

Dear Sir/Madam,

1. Quotations are invited for fabrication, assembly & supply of "Magnetic holder" as per attached specification confirming to technical specification number: CnID/AMIS/SSS/001 Dated 11/05/18, Rev.0) Qty: Refer Annexure II (Clause 5.0 Deliverables)
2. Bidder shall quote for deliverables as per technical specifications.
3. No Free Issue material is involved.
4. Quotation are invited on the letter head with official seal (Rubber Stamp).for the above mentioned job. The quotation should contain the details such as 1: Validity of offer 2: Terms & conditions of offer 3: PAN , GST , Registration details 4: Delivery time schedule 5: Price break up itemwise 6: Delivery charges if any The quotation has to be signed by authorized person with company seal..
5. Item intended to be fabricated / procured in this work is required for R & D purpose hence GST @ 5 % will be applicable and GST certificate will be provided by BARC for the same
6. **The quotation must reach The Head, Control Instrumentation Division by : 04/07/2018 and must be sent in a sealed envelope super scribed with the reference number & the due date given above. Courier are not allowed in BARC premises, the quotation shall be sent by speed post/registered post only.**
7. The address on the envelop should read: The Head,
Control Instrumentation Division,
BARC, Trombay, Mumbai - 400 085.
(Kind Attn: S. S. Shetty, SO/G)
8. The bidder shall complete the job within 3 months from the date of firm work order issued to the bidder. The finished components shall be delivered by the bidder at Control Instrumentation Division, BARC, Trombay, Mumbai - 400 085.
9. Head, Control Instrumentation Division reserves the rights to accept / reject any or all quotations without assigning any reason.
10. Delivery charges if any must be clearly mentioned in the offer. Quotation must also indicate the validity of offer. Quotation must also indicate the VAT no and PAN no of the party.
11. Drawings / Sketches must be returned along with the offer.
12. Payment will be made by cheque only after satisfactory completion of work on production of bill, delivery challan and advance stamped receipt. It may be noted that IT @ 2% and surcharge on tax at 15% shall be deducted from your bills.

Encl.:

1. Annexure-I (General Specifications)
2. Annexure-II (Technical Specification No: - CnID/AMIS/SSS/001 Dated 11/05/18, Rev.0)
3. Drawings


(P. P. Marathe)
Head, CnID

Annexure I

Technical Specification No: - *CnID/AMIS/SSS/001 Dated 11/05/18, Rev.0* no of page : one

General Specifications

1.0 Quality surveillance, inspection and inspection report:

- 1.1 All work covered by the specifications shall be subject to quality surveillance by the purchaser or his authorised representatives for which purpose the fabricator shall allow access at all reasonable times during manufacture to :
 - 1.1.1 The premises in which work is being carried out.
 - 1.1.2 The dwgs. and / or tooling involved.
 - 1.1.3 Gauges, instruments etc. required for inspecting the work.
- 1.2 Inspection and tests shall be carried out by the fabricator as per the requirements detailed in the drawings and these specifications.
- 1.3 The fabricator shall submit three copies of inspection reports to the purchaser for approval.
- 1.3 Components found unsatisfactory as to workmanship or material shall be removed by fabricator and replaced by components which are satisfactory.
- 1.4 The finished components shall not be despatched prior to approval by our engineer.

2.0 Raw Material :

- 2.1 The fabricator has to quote with material cost.

3.0 Delivery:

- 3.1 The bidder shall deliver the finished components after approval by our engineer within **3 months** from the date of firm purchase order is issued to bidder to CnID, BARC, Mumbai-400085. In case not meeting delivery schedule then request for delivery extension prior to delivery deadline be submitted for approval.

4.0 Sub Contract:

- 4.1 The fabricator 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 of the sub contractor of the fabricator, if at all allowed by the purchaser.

5.0 Taxes:

- 5.1 GST @ 5 % work is required for R & D purpose hence GST @ 5 % will be applicable and GST certificate will be provided by BARC for the same

6.0 Excise duty: NA

7.0 Payment :

- 7.1 Payment will be made only after satisfactory completion of work and on production of bill, advance stamped receipt & Guarantee/Warranty Certificate.
- 7.2 It may be noted that Income tax at 2% will be deducted from your bill.

8.0 Confidentiality:

- 8.1 No party shall disclose any information to 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.
- 8.2 "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, advisor or the employees of a contractor will invite penal consequences under the aforesaid legislation.
- 8.3 Prohibition against the use of BARC's name without permission for publicity purposes:-
The contractor or sub-contractor, consultant, advisor or the employees engaged by the contractor shall not use BARC's name for Publicity purpose through any public media like press, radio, T.V. or internet without the prior written approval of BARC.
(vide circular ref: 2/Misc-9/Lgl/2001/92 dated April 30, 2001)

S. S. Shetty
Indentor

ANNEXURE II

TECHNICAL SPECIFICATION FOR MANUFACTURE, ASSEMBLY AND SUPPLY OF MAGNETIC HOLDER

TSP No.- CnID/AMIS/SSS/001 Dated 11/05/18, Rev.0) No of pages 5 (inclusive of dwg)

1.0 SCOPE OF WORK

This specification specifies the requirement for manufacture, assembly and supply of **MAGNETIC HOLDER FOR AE SENSOR AS PER DWG ATTCHED HEREWITH.**

2.0 SPECIAL TECHNICAL REQUIRMENTS DURING MANUFACTURE

The above mentioned components are to be manufactured strictly to the tolerance as indicated in their respective drawings

3.0 GENERAL DESCRIPTION AND REQUIREMENT

The entire work includes precision machining of Mechanical Components and perfect bonding of magnet with 100% alignment. The fabricator has to ensure proper machining within close tolerances mentioned in drawings of each part

4.0 RAW MATERIAL REQUIREMENT

Raw materials used for this fabrication should be procured from reputed vendors. **No components should be fabricated from old, unused or scrap stock.**

5.0 DELIVERABLES

Item No	Description	Qty	Details
1	Magnetic holder diag1	One nos	As per Dwg attached herewith
2	Magnetic holder diag2	One nos	- Do -
3	Magnetic holder diag3	One nos	- Do -
4	Magnetic holder diag4	One nos	- Do -
5	Magnetic holder diag5	One nos	- Do -
6	Magnetic holder diag6	One nos	- Do -
7	Magnetic holder diag7	One nos	- Do -

6.0 PRICE

The supplier shall give the lump sum price for full scope of work with its delivery schedule.

7.0 MANUFACTURE AND WORKMANSHIP

The manufacturing process and workmanship shall be in accordance with high grade industrial practice and the best approved methods and shall be adequate to achieve accuracy and finish in accordance with drawings

Geometrical and dimensional tolerances (if specified) at the respective locations shall be maintained strictly as per the drawing.

Since it is a instrumented job , precision machining on vertical M/C centre is preferred ,with holes bored on jig boring machine .The adhesive use for bonding magnet should be all weather , shock absorbable and machinable.

The magnet should have perfect alignment face to face with each other with no gap misalignment after bonding . 100% surface alignment of magnet with the Surface under test should be obtained .with no scope of air gap between the magnet and the surface under test of the Magnet holder and also between two pair of magnet 100% amongst each other.

The Magnet holder mounted should generate a force of minimum 50 N on attachment with the surface under test.

Immediately after all final machining operations, the components shall be thoroughly debarred and cleaned with Acetone to remove all traces of cutting oils, tool materials etc. After cleaning operations, the components shall be applied with rust free preventives (if necessary) and stored in heat sealed polythene pouches till they are up for final inspection and assembly

8.0 TOOLING

All tools like taps, dies, inspection gauges, etc., required for manufacture shall be arranged by the supplier.

9.0 FUNCTIONAL AND INSPECTION TESTS

Supplier shall perform all necessary inspection and testing necessary as per the drawings to the satisfaction of the purchaser. Supplier shall arrange and /or provide all testing and inspection facilities (gauges, instruments, equipments etc.) required during manufacture of the components, assembly, and shop testing of components. Only calibrated and approved facilities shall be employed for the inspection.

Dimensional inspection shall be carried out in a dust free and clean room maintained at a temperature between 22° C and 24° C.

Supplier shall carry out 100% dimensional inspection of all components. The inspection shall also include all dimensional details indicated in the purchaser's drawing.

A compliance certificate shall be issued by the supplier indicating that meets the technical specifications

Final acceptance of all Mechanical components will be given by the indenter after complete inspection and testing.

10.0 QUALITY SURVEILLANCE

Quality surveillance and expediting, relating to all the aspects of the contract will be carried out by the purchaser or his authorized representative, for which purpose the supplier and his subcontractor shall allow access to the premises in which the work is being carried out, during manufacture, assembly and testing

11.0 SUBCONTRACTING

The supplier shall not sub-contract any or all the work without the written consent from the purchaser.

12.0 SHIPMENT

12.1 CLEANING:

The finish component before packing shall be degreased and cleaned.

12.2 PACKAGING:

After completion of all testing and identifying the components, the components shall be packed suitably for shipment, so that no damage occurs in transit. The purchaser shall subject the packing procedure to prior approval. At least one copy of packing list shall be kept in the package for quick and easy verification.

12.3 Delivery:

Delivery of subassemblies shall be made only after obtaining approval in all respect from purchaser. Completed jobs shall be delivered on or before the stipulated delivery period mentioned in Purchase Order/Work Order.

13.0 GUARANTEE / WARRANTY:

All fabricated components and assemblies under purchase order/work order shall be guaranteed for a period of 12 months from the date of delivery at purchaser's works.

14.0 PURCHASER'S DRAWINGS, SPECIFICATIONS ETC.:

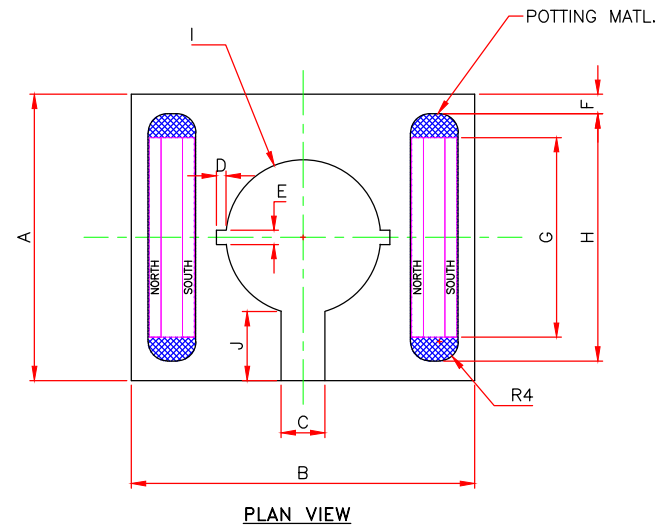
14.1 Purpose: All drawings, specifications, free issue items etc. that may be provided to Supplier by Purchaser are the property of Purchaser and are intended to be complementary and to provide for and comprise everything necessary for the completion of works/supply. These are not to be used for any works or performance other than those for which these have been provided and shall be returned to Purchaser immediately on completion of work/supply, in good condition.

14.2 Property of Purchaser: If during the process of execution of the contract, any improvement, refinement or technical changes and modifications are effected by Supplier, such changes shall not affect the title to the property of Purchaser and all the information, specifications, drawings etc including the improvement/ modifications effected by Supplier shall continue to be the property of Purchaser. Supplier shall not have any claim

or rights whatsoever in respect of purchaser's drawings, specifications, prototypes etc. even where improvement, refinement, modifications etc. have been effected by Supplier.

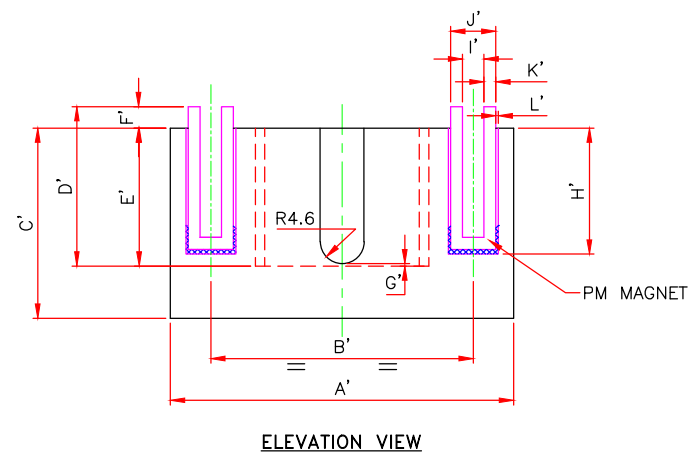
15.0 INFORMATION / DOCUMENTS TO BE FURNISHED ALONG WITH THE FINISHED COMPONENTS:

- 1 Two copies of dimensional inspection & report
2. 12 month warranty certificate .
3. Delivery channel
- 4 Tax Invoice



	A	B	C	D	E	F	G	H	I	J
diag1	60.2	72	9.2	2	3	4.1	42	52	32.5	13.85
diag2	44.2	60	9.2	2	3	4.1	26	36	20.02	12.09
diag3	44.2	60	9.2	2	3	4.1	26	36	19.8	12.2
diag4	52.2	65	9.2	2	3	4.1	34	44	25.7	13.25
diag5	52.2	65	9.2	2	3	4.1	34	44	25.9	13.15
diag6	60.2	72	9.2	2	3	4.1	42	52	32.7	13.85
diag7	62	72	19	2	3	5	42	52	32	15

PLAN VIEW DIMENSION TABLE



	A'	B'	C	D	E	F	G	H	I'	J'	K'	L'
diag1	72	55	40	33.5	29	4.5	05	27	4.5	9.5	2.5	0.5
diag2	60	48	34.9	28.4	23.9	4.5	05	27	4.5	9.5	2.5	0.5
diag3	60	48	39.7	33.2	28.7	4.5	05	27	4.5	9.5	2.5	0.5
diag4	65	48	35.4	28.9	24.4	4.5	05	27	4.5	9.5	2.5	0.5
diag5	65	48	40.1	33.6	29.1	4.5	05	27	4.5	9.5	2.5	0.5
diag6	72	55	35.4	28.9	24.4	4.5	05	27	4.5	9.5	2.5	0.5
diag7	72	55	88.5	82	77	4.5	05	27	4.5	9.5	2.5	0.5

ELEVATION VIEW DIMENSION TABLE

MAGNET BLOCK (7 Nos. block)
REFER TABLE

- NOTES : UNLESS OTHERWISE SPECIFIED
- 1) DO NOT SCALE THE DRAWING.
 - 2) SURFACE FINISH IN MICRON 3.15 CLA. OR BETTER
 - 3) ROUND ALL INTERNAL & EXTERNAL SHARP CORNERS
 - 4) TOLERANCE ON LINEAR DIMENSION AS PER IS:2102 (MED)

MAGNET BLOCK
MATL: LOW PERMEABILITY (PVC GRADE)
QTY: 01 NO.

H01LSB47

H01LSB47