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तार : बार्क चेम्बूर, बम्बई.
TELEGRAMS : BARC-CHEMBUR, BOMBAY.
टेलिक्स : ०११-६१०१७ बार्क इन
०११-६१०२२ बार्क इन
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भारत सरकार
GOVERNMENT OF INDIA
भाषा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE

ट्रॉम्बे,
बम्बई-४०० ०८५.
TROMBAY,
Mumbai 400 085

Glass & Advanced Materials Division

Dr. B. C. MAJI (SO/H)
Head, Materials Development Section

Tel: 2559 2932

Ref: BARC/GAMD/FAB/BCM/2018/2/949

Date: 30.11.2018

Tender Due Date: 14.12.2018

Time: 04.00 PM

Tender Invitation

Sub: Invitation of quotation for machining of hydraulic coupling from Ni-Ti-Fe shape memory alloy bars, as per drawing and methodology provided

You are requested to submit your quotation in sealed envelope for the above mentioned job as per details given in Annexure 1. The reference no. given above should be clearly mentioned on the sealed envelope. Quotation shall be completed in all respects with regard to price, validity of the offer, etc. and must reach the undersigned by 4:00 PM on 14/12/2018.

S. No.	Description of job	Qty.
1.	Machining of hydraulic coupling from Ni-Ti-Fe shape memory alloy bars, as per drawing and methodology provided (as per specification attached in Annexure 1)	70 nos.

Notes & Terms:

- Machining of aerospace grade shape memory alloy hydraulic coupling is a specialized high precision job. Only manufacturers/ fabricators with prior experience (copy of work orders executed should be attached) in fabricating components for aerospace applications will be considered.***
- The rates shall include charges for delivery of the materials to our stores. The fabrication work should be completed within 45 days from the date of issue of work order.
- Taxes if extra etc. to be quoted.

- i) Since the goods to be supplied are meant for the purpose of R & D use under the Department of Atomic Energy, Concessional Rate of GST @5% against exemption certificate will be applicable.
- ii) Income Tax: Income tax at the rate of 2 % on the bill amount and TDS GST @2% will be deducted from your bill.
4. Delivery Terms: You shall make necessary arrangement for delivery of the materials at no extra cost to us.
5. Payment Terms: 100 % Payment after the work is completed and on submission of advance stamped receipt, invoice bill and satisfactory completion certificate from user.
6. Free Issue Material (FIM): Ni-Ti-Fe shape memory alloy bars of 20 mm diameter will be provided free of cost. An insurance policy covering the cost of the free issue material has to be taken. Balance material should be returned along with the machined hydraulic couplings.
7. The quotation should be enclosed in an envelope and sealed. The **reference number** and '**The quotation not to be opened**' should be written clearly on the top of the sealed envelope. The quotation should be send to the address given below through **EMS SPEED-POST** only. Quotation received after the due date and time will not be considered.
8. The **PAN no** and the **GST registration no** of the company should be clearly mentioned in your offer. The name of the **authorized signatory** person should be clearly mentioned below his signature.
9. **Confidentiality:** Please take note of the confidentiality clause given below:
- 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 in formation" 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 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.

Thanking you,

Yours sincerely,

Bikas Chandre Maji

(B. C. Maji)

Indenting Officer

For and on behalf of president of India

Approved by:

Madangopal Krishnan

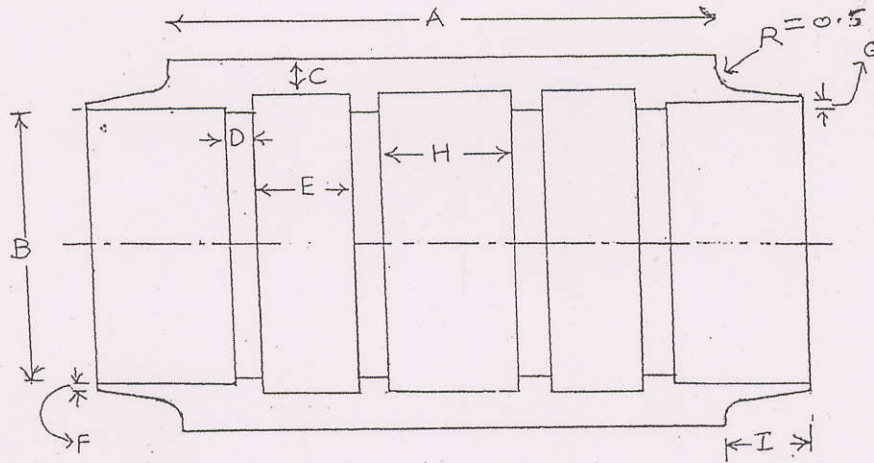
(Dr. Madangopal Krishnan)

Associate Director,
Materials Group, B.A.R.C.

Glass & Advanced Materials Division
Bhabha Atomic Research Centre
Mod. Labs., Trombay
MUMBAI – 400085, INDIA

ANNEXURE-1

Machining of hydraulic coupling from Ni-Ti-Fe shape memory alloy bars, as per drawing and methodology provided below:



A	B	C	D	E	F	G	H	I
20.0	9.85	1.35	1.0	3.5	0.2	0.2	5.0	3.0
+0.2	+0	+0.1	+0.1	+0.1	+0.05	-0.05	+0.1	+0.1
-0.2	-0.05	-0.1	-0.1	-0.1	-0.0	+0.0	-0.1	-0.1

Ni-Ti-Fe Tube size: 13.35 ± 0.5 O.D.
9.45 ± 0.0 - 0.1 I.D.

All dimensions are in mm.

Material: Ni-Ti-Fe shape memory alloy round bar of 20 mm diameter and 700 mm length

Methodology: Drilling, Boring, OD Machining, ID machining, Finish grinding.

Approved by:

(Dr. Madangopal Krishnan)

Associate Director,
Materials Group, B.A.R.C.

(B. C. Maji)

Indenting Officer

For and on behalf of president of India

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