

दूरभाष :  
TELEPHONE :  
तार : बार्क-मुंबई, चेम्बुर.  
TELEGRAMS: BARC-MUMBAI, CHEMBUR.  
टेलिक्स : ०११-६१०१७/०११-६१०२२ बार्क ईन  
TELEX: 011-61017/011-61022 BARC IN  
फेक्स संख्या : ११ - २२ - ५५०५१५१,  
FAX NUMBER: 91-22- 5505151



सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र  
BHABHA ATOMIC RESEARCH CENTRE  
RESEARCH REACTOR MAINTENANCE DIVISION  
Mechanical Maintenance Section, Dhruva

ट्रॉम्बे,  
मुंबई-४०० ०८५.  
TROMBAY,  
MUMBAI-400 085.

Ref: RRMD/T-1/TN- 523 /2017

May 19, 2017

To,

**The Relevant party**

### Tender Notice

**Sub: Reconditioning of crankshaft, In-situ line boring and supply of u/s Main Bearings of Main Air Compressor.**

Sir,

Sealed quotation is invited for Reconditining of crankshaft and In-situ line boring of Main Bearing housings of Main Air Compressor of Dhruva as per the description and scope of work given below. Sealed quotation subscribing the tender notice no. with name of work over the envelope, shall be sent to Assistant Personnel Officer, Reactor Group Office, Dhruva, BARC, Trombay, Mumbai-85 so as to reach on **or before 29-05-2017**.

**The quotation shall be sent through registered post/speed post through Indian postal services only.** Quotation delivered by person or through courier will not be accepted and not considered for bidding process.

The quotation shall be in the format of attached schedule-B and shall show the basic cost and taxes separately and shall include the tender ref. no., PAN and VAT/Service tax no. of the firm.

1. Description/details Main Air Compressor:

Make : M/s K GK

Model: 2HA2QT

FAD : 18.61 m<sup>3</sup>/min.

## 2. Scope of Work

- i) To arrange for transportation of crank shaft from BARC to vendor's premises & back and loading/unloading at vendor's premises before & after completion of the job satisfactorily.
- ii) Trueness checking, dimensional measurement & calibration of crankshaft is to be recorded at your works.
- iii) Surface / suburface flaws / defects of main journals & connecting rod pins of crankshaft are to be checked by magnetic particle test before grinding.
- iv) Surface hardness of journals / pins of crankshaft is to be checked & recorded.
- v) Grinding & subsequent buffing of unacceptable Main journals (Std. size 110 mm) on the basis of above test result (Dimensional & MPT) in a step of 0.25 mm to next acceptable under size dimension is to be done.
- vi) On successful completion of grinding & buffing work of above item, surface / suburface flaws / defects of main journals are to be checked by Magnetic particle test at your works. Acceptance of result of MPT is defect free & as per relevant standard.
- vii) To offer BARC representative for witnessing above process & tests at vendors premises.
- viii) Supply of six sets of Crankshaft main bearing set (lower & upper half) suitable for above reconditioned under size journal of crankshaft.
- ix) Insitu line boring is required to examine, align & match the center line of main bearing housings bore with each other. The required machines, man-powers, tools & tackles etc. are to be provided by the vendor.
- x) On successful completion of insitu boring work, a boring work certificate is to be provided by the vendor.
- xi) Submission of Certificate of CS trueness / straightness, MPT, Hardness and Line boring

### **3.0 COMPLETION SCHEDULE:**

- 3.1 The job shall be completed within a period of **45 days** from the date of acceptance of work order.
- 3.2 Time is the essence of the contract. If you fail to comply with this condition you shall be liable to pay penalty.
- 3.3 **Penalty clause** : Any delay in the completion of the job which is attributable to the vendor, is liable for a penalty @ ½ % of the work-order value per week (max. 5%).
- 3.4 In case extension in the job completion period is required, the vendor has to write to BARC for approval in advance with reason.

### **4.0 Commercial Terms & Conditions**

- 4.1 The vendor shall quote clearly with item wise break-up of enclosed format / Schedule- B as annexure-1. Any taxes, duties, levies etc. is to be quoted separately.
- 4.2 The prices quoted by the vendor shall be valid for at least two months from the date of opening of the tender.

- 4.3 The successful bidder is required to insure the items, for the transit period of transportation, fire, theft etc., at his cost in four of the President of India acting through Associate Director, Reactor Group for the amount of Rs. 40,000/- immediately on receipt of the work order but before dispatch of the items from BARC. Insurance shall be valid till the safe delivery of items back to BARC. The original insurance policy shall be sent to BARC for retention. The items will be delivered only on receipt of the insurance policy. Insurance charges shall be borne by vendor and shall be included in the item rate.
- 4.4 The goods proposed to be reconditioned/serviced/fabricated based on this Notice Inviting Tender is meant for research purposes of Research Institution under the Dept. of Atomic Energy and therefore the prices to be quoted for the product should be exclusive of the excise duty. The purchase will make available to the successful bidder with whom a work order is placed, an excise duty exemption certificate duly signed by the authorized officer in the Dept. of Atomic Energy well before the dispatch of the goods by the supplier. **While submitting the offer, the bidder should specify in his offer that the price quoted by him does not include any element of excise duty, subject to production of exemption certificate.** Wherever Octroi & excise duties are applicable, shall be separately mentioned in quotation. Unless it is mentioned separately, BARC cannot provide exemption certificate.

#### **5.0 PAYMENT Terms & Conditions:**

- 5.1 No advance or part payment is admissible. The full and final payment will be made **within 30 days** after completion of the job in all respects and submission of following documents:
- 5.2 Bill in duplicate. (Taxes need to be shown separately in the bill).
- 5.3 Advance stamped receipt.
- 5.4 VAT / Service Tax registration number, PAN number to be indicated in the stamped invoice.
- 5.5 Payment will be made **only** through ECS/Core Banking System. Hence, please furnish the bank details such as Bank's name & address, A/c No. and IFSC code in the invoice.
- 5.6 Income tax @ 2% will be deducted from your bill.

#### **6.0 CONFIDENTIALITY CLAUSES.**

##### **6.1 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.

##### **6.2 "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, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

##### **6.3 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.

## **7.0 SECURITY INSTRUCTIONS**

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.

### **8.0 General:**

- 8.1 The acceptance of the tenders/quotations will rest with Associate Director, RG who does not bind himself to accept the lowest offer, and reserves to him the authority to reject any or all the tenders received without assigning any reason.
- 8.2 Quotation received after the due date and time shall be summarily rejected.
- 8.3 You may contact Shri S. K. Tripathi, TO/C or Shri Umesh Kumar, SO/F at Telephone No. 25594260 / 25596226 for further clarifications.

Enclosures: Annexure-1 : Format & Schedule – B

-S/d-

(S. Bhattacharya)

Associate Direction, Reactor Group  
For & On behalf of President of India

Cc: AAO, GSS, CC  
: B&S Section, RRSD  
: Umesh Kumar, RRMD  
: RRMD Office

**Annexure-1**

**Format for Quotation / Schedule-B**

Tender No.-Ref: RRMD/ T-1/TN- 523/2017 Dated: 19 .05.2017

Name of work: **Reconditioning of crankshaft, In-situ line boring and supply of u/s Main Bearings of Main Air Compressor.**

**Note:** Quote your rate / unit excluding any taxes and quote taxes separately, if any.

Sl. No.	Description of items	Unit	Quantity (a)	Rate/Unit (b)	Amount (INR) c =a x b
1.	<b>Crankshaft reconditioning</b>				
1.1	Crankshaft trueness checking and calibration at your works.	Nos.	1		
1.2	Crankshaft pins / journals surface / subsurfaces defects checking by magnetic particle test <b><u>before grinding</u></b> at your works.	Nos.	1		
1.3	Crankshaft pin / journals surface hardness checking.	Nos.	1		
1.4	Crankshaft <b><u>Main Journals</u></b> grinding and buffing by 0.5mm under-size. ( Main Journals std. size: 110.00mm)	Nos.	1		
2.	Supply of Crankshaft main bearing lower & upper half set (suitable for above reconditioned crankshaft ).	Set	6		
3.	In-situ line boring of Main Bearing Caps/shells to align & match the center line of the bearing housing bore with other housing bore	Set (Lumpsum)	1		
Sub Total (Rupees .....					
Taxes .....				----- %	
Total (Rupees .....					