

दूरभाष

TELEPHONE

तार : बार्क-मुंबई, चेम्बूर.

TELEGRAMS : BARC-MUMBAI, CHEMBUR

टेलिक्स : ०११-६१०१७/०११-६१०२२ बार्क इन

TELEX : 011-61017/011-61022 BARC IN

फैक्स संख्या : ९१-२२-५५६०७५०

FAX NUMBER : 91-22-5560750



दूरभाष,

मुंबई-४०० १८५.

TROMBAY,

MUMBAI-400 085

भारत सरकार

GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र

BHABHA ATOMIC RESEARCH CENTRE

RADIOMETALLURGY DIVISION

Ref: RMD/FD&MS/SM/NK/2022/42571

Date: 5th May, 2022

To,

Dear Sir,

We request you to submit your quotation for Fabrication and supply of "850 Nos" of Stainless Steel End Plugs" as per the drawing No. "FBTR/RMD/FDMS/BP/01". Please quote for fabrication charges only, as the material (stainless steel rods) will be supplied by us as free-issue material.

Yours Faithfully

Niraj Kumar
2/5/2022
Niraj Kumar (SO/E)
RMD

Encl.: as above.

ANNEXURE-I

Work Description :

1. Fabrication and supply of “**850 Nos**” of Stainless Steel End Plugs” as per the drawing No. **FBTR/RMD/FDMS/BP/01**. Please quote for fabrication charges only, as the material for plug fabrication (stainless steel rods of Dia.-7 mm) will be supplied by us as free-issue material. Details of work are as per the table given below

Sl. No.	Item	Drawing No.	No of Units
1.	Stainless Steel End Plugs	FBTR/RMD/FDMS/BP/01	850

2. The items must be fabricated as per the attached drawing.
3. General finishing and lapped mirror finishing must be as per drawing.

GENERAL:

- (i) These components are going to be used for fabrication of welded joints.
- (ii) Details of terms and conditions about scope of work, inspection and supply/delivery are mentioned in **Annexure-II**.

- You shall send your offer in two parts in a sealed envelope by **Registered / Speed** post only.

Head, Radio Metallurgy Division
Nuclear Fuels Group
Radiological labs.
Bhabha Atomic Research Centre
Trombay,
Mumbai - 400085
(Kind Attention: Niraj Kumar, Radio Metallurgy Division)

Submission of offer in Two - Bid System: Offer must be submitted in two parts, each offer securely closed (sealed) separately, in Two Envelopes Part - I & Part - II as stated below:

Part - I: This Envelope super scribing the Tender No, Due date & TECHNICAL BID should contain the following:

(i) Technical Bid in Original. Item should be as per the attached drawing (Drawing No. **FBTR/RMD/FDMS/BP/01**). Formats duly stamped, signed & filled for each of the clause.

(ii) Inspection sheet to be attached along with the end plugs supplied.

(iii) **10 No. of Samples** made of SS-304 must be submitted along with the quotation as per the drawing No. FBTR/RMD/FDMS/BP/01. **Quotations received without samples will not be considered and Part II i.e. PRICE BID of such offers will not be entertained.**

Part - II: This securely closed (sealed) Envelope super scribing Tender Enquiry No., Due date & PRICE BID should contain only the PRICES of the item.

There should be NO OVERWRITING. The rates must be preferably typed.

Both these securely closed Envelopes i.e. Part-I & Part-II should be sealed in a third envelope and sent by speed post. In case of bulky documents, which cannot be accommodated in the envelope, the undersigned may be contacted. The bids may be sent only by Speed Post well in advance so as should reach the undersigned at least one day before the tender closing date. Timely submission of the Bids is responsibility of the bidders and no reasons / excuses in this regard will be entertained by the authority. Price Bids will be opened only those eligible bidders who's Part-I Bids are complete. BARC reserves the right to reject any or all bids and also to accept any tender in part or as a whole without assigning any reason thereof.

Note: Bidders in their own interest are requested to submit their bids well in advance of tender closing date to avoid the last minute difficulties.

- Quotation shall reach us latest up to **30-05-2021**, before **11.30 hrs.**
- Please send "REGRET" if not quoting.
- On top left corner of the envelope please indicate

Quotation For - Fabrication and supply of "850 Nos" of Stainless Steel End Plugs" as per the drawing No. **FBTR/RMD/FDMS/BP/01** and **due date.**

- All applicable taxes should be clearly mentioned. Please note that GST is to be charged at the applicable rates.
- Overwriting, scratching etc. must be avoided in the quotation. Rewriting the whole figure shall carry out if any alteration in the figure. The authorized person from the firm shall countersign such figure.

The delivery period mentioned in the quotation shall be strictly adhered to. If the contractor fails to supply and secure extension of delivery date before effecting delivery of the supply against the contract, acceptance of such item by the purchaser will in no way prejudice the right of the purchaser to levy liquidated damage nor will it be entitled to the contractor for payment of statutory levies that comes into force after the expiry of the delivery date.

- Guarantee / Warranty of the material supplied for one year.
- Early delivery schedule will be given a consideration.
- You may contact us for any clarification on or before **30-05-2021**. (Shri Niraj Kumar / Shri P.M. Khot / Shri R Deshmukh, Ph. No: 022-2559- 5401 / 0719 / 0683)

2. SPECIFICATIONS:

- The items must be fabricated as per the attached drawing.
- General finishing and lapped mirror finishing must be as per drawing.

DELIVERY DETAILS :

1. Shipment / Packing :

It is supplier's responsibility to supply the End Plugs safely without any damage at RLG Zonal Stores, BARC, Mumbai. Hence supplier must take proper care for packing and transportation.

2. PLACE OF DELIVERY:

The inspected and accepted Assemblies shall be delivered to:

Stores Officer
RLG Zonal Stores.
Bhabha Atomic Research Centre
BOMBAY 400 085

PAYMENT TERMS:

Payment will be made only for the numbers of plugs, which are found conforming to the drawing after detailed Inspection at Radiometallurgy Division, B.A.R.C. Please note that income tax @ 2% will be deducted from your bill. And 2% Education Cess will also be deducted on IT and surcharge. *No part payment or advance payment will be made.* For this mode of payment, you are required to draw your invoice in the name of Head, Radio Metallurgy Division, Bhabha Atomic Research Centre, Mumbai 400085, in **triplicate** along with Advance Stamp receipt and to be submitted along with Fabrication and supply of “850 Nos” of Stainless Steel end Plugs” as per the drawing No. **FBTR/RMD/FDMS/BP/01.**

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.

“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.

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 medial like press, radio, T.V. or Internet without the prior written approval of BARC.



Niraj Kumar
Scientific Officer-E
Radio-Metallurgy Division, BARC
Trombay, Mumbai - 400085

ANNEXURE I

Terms and conditions for fabrication of Bottom End Plug.

1. **Scope :** The scope of work includes fabrication, Inspection and supply of end plugs as per drawing enclosed. The purchaser shall have access at all reasonable times to all shops and the sub-contractors where material is being fabricated and assembled and all reasonable facilities for such inspection shall be provided. The shop must be equipped with **shadowgraph, coordinate measuring machine (CMM), computer numerical controlled Electrical discharge machining (EDM) and computer controlled cutting machine.** Prior to the supply of item the manufacture has to get it approved from the purchaser.

3. **Technical Details :**

- i) Total 850 numbers of plugs shall be fabricated as per drawing attached.
- ii) Tolerances shall be followed strictly as shown in drawing. As tolerances are tight, supplier will have to do machining operations by CNC machine.
- iii) All parts should have mirror finish surface quality or as mentioned in drawing, there shall not be any scratch marks or burrs on the finished product.

4. **Drawing :**

Drawing No.: . **FBTR/RMD/FDMS/BP/01**

This may please be noted that the drawing is the property of Bhabah Atomic Research Centre. It must be returned with quotation and must not duplicated or be used in any publication or printing purpose.

5. **Free Issue Material :**

The feed material for the plug fabrication will be rods of SS 316 LN (Dia.- 7 mm), which will be supplied by RMD, BARC, Mumbai as Free Issue Material (FIM)) against insurance policy.

It is estimated that 20 mm length of Diameter 7 mm rod is required for manufacturing each plugs. Hence 850 Nos. will require approx. 17 meters length of rod (having diameter 7 mm) and considering a waste allowance total approx. 20 meter length of rod is required. Considering the cost of material, the supplier will have to submit the insurance policy of value Rs. 20,000/- each for Fire as well as for burglary against SS 316 LN rods.

6. Inspection :

[A] Pre dispatch Inspection :

Before initiating the bulk production, supplier have to fabricate 50 numbers of sample plugs with the specified tolerances for inspection. Pre dispatch inspection shall be carried out at supplier's site for which supplier will have to intimate the Officer In Charge after fabricating sample plugs. These 50 nos. of sample plugs to be kept ready along with their dimensions as per as per Quality Assurance Plan. On acceptance of these samples only, bulk fabrication of plugs have to be carried out with the consent of Officer In Charge.

[B] Post dispatch Inspection :

The following points will be considered about supply and inspection :

- i) Bulk fabrication and supply of end plugs to be done in lots (each of 300 Nos). After work completion of one lot, supplier will have to intimate for the supply of plugs. Post supply inspection will be carried out on 10% of the quantity of each lot (i.e. of 30 plugs supplied at a time). At the time of delivery of each lot, supplier will have to submit metrology report of plugs.
 - ii) After every tool changing or machine setting, manufacturer must check the plug dimensions.
 - iii) Supplier will have to submit Quality Assurance Plan before starting the work.
 - iv) The parts shall be adequately packed to prevent damage during shipment and prolonged storage.
7. **Acceptance Criteria :** For the acceptance of plugs supplied, post supply inspection will be carried at RMD, BARC by our representative and for this 10 plugs will be randomly chosen for inspection out of every 100 plugs (i.e. sample lot). All 10 plugs shall be in confirmation with the specification. If only one rejection is found all the remaining 90 plugs of that lot will be inspected. If more than 1 rejection is found, entire sample lot (i.e. 100 nos.) will be rejected.

