



Government of India
Bhabha Atomic Research Centre
Electromagnetic Applications & Instrumentation Division



Tender No. : EmA&ID/JI/2021/122570

Date: 20th Sep, 2021

Sub: Fabrication, qualification and supply of two stage rotary pumps as per specification sheet - TSP/2021/01

Dear Sir/Madam,

1. Quotations are invited for the *execution of subject work*.
2. Taxes and Excise Duties shall be quoted separately. Form AF / H whichever is applicable shall be provided, if required.
3. The suppliers are shall submit the cost for Design, fabrication, assembly and testing. All necessary tools, instruments have to be arranged by the supplier.
4. The quotation must reach the undersigned on or before **30th Sep, 2021** and must be sent in a sealed envelope super-scribed with the *reference number & the due date* given above.
5. The quotations must reach us on or before the aforesaid date by India post (by speed post or ordinary post) only.
6. The address on the envelop should read:
The Head,
Electromagnetic Applications Section,
Electromagnetic Applications & Instrumentation Division
RCnD Bldg., North Site,
B.A.R.C, Trombay,
Mumbai - 400 085.
(Attn: Shri. Janvin Itteera)
7. The finished components with the test certificates as mentioned in the enclosures shall be delivered by the manufacturer after the award of the contract at BARC, Trombay, Mumbai - 400 085.
8. Delivery, packing & forwarding charges, if any, must be clearly mentioned in the offer.
9. Drawings / Sketches (if any) must be returned along with the offer
10. Quotation must indicate the PAN and GSTIN no of the vendor. Minimum validity of 60 days is preferred.
11. The quotation has to be duly signed by *authorized person with company seal*. *Unsigned offers shall be treated as invalid*.
12. For any technical clarifications, Please contact the undersigned vide email: janvin@barc.gov.in; Tel: +912225591492
13. All items delivered under this work order are developed solely for R&D purpose for use at EmA&ID, BARC, Trombay, hence, requisite exemptions shall be granted to successful contractor

Encl.: TSP/2021/03

(Janvin Itteera)
Scientific Officer(E), B.A.R.C
For & on Behalf of the President of India
(The Purchaser)

Specification no.	Revision no.	Date of Issue
TSP/2021/03	0	13 th Sep, 2021

Fabrication, qualification and supply of two stage rotary pumps as per specification sheet- TSP/2021/01

1.0 Outline:

Tender is invite for the fabrication, testing and supply of copper electrodes as per the undermentioned specification

2.0 Scope of work:

2.1) Supplier shall fabricate the extraction electrodes from ETP grade(UNS C11000)

3.0 FREE ISSUE MATERIAL:

NO free issue material will be issued to the contractor.

4.0 DELIVERABLE:

The deliverables included in this tender are as follows:-

For the FIM supplied by the purchaser, the items highlighted under table-1.0 are to be delivered:

S no	Description	Quantity
1	Fabrication and supply of two stage rotary pumps	04 Nos

Table-1.0

5.0 Technical Specification:

S No	Parameters	Value
1	Peak Pumping Speed	8 m ³ /h
2	Ultimate base pressure	8x10 ⁻³ Torr
3	Protection	Anti Suck back with closing time less than 0.5s
4	Oil rating	Ultragrade 19
5	Input voltage	230V, 50Hz
6	Motor power	<100W

Table-2.0

6.0 PERFORMANCE OF THE CONTRACT

6.1 Fabrication and Delivery Schedule

A) The purchaser representative shall be apprised of the changes incorporated in the vehicle compartments to do the needful.

B) The entire work has to be completed in 3 months

C) During testing, purchaser representatives shall be witness to verify the results and confirm the compliance with the tender specification.

6.2.3 Quality Control Records

The QCR shall contain:

(a) Mill test Certificate of the copper plates with BIS compliance as per IS:648

(b) CMM based geometrical inspection report of the laminations

(c) CMM based geometrical inspection of the assemblies

7.0) Warranty:

7.1) Supplier shall be duty bound to provide warranty and adequate after sales support to the entire warranty period in case any failure for a period of 1 year.

8.0 GENERAL DESCRIPTION:

8.1) Supplier shall submit the offer including the fabrication, assembly and testing

8.2) Overall cost will be compared and include packaging, forwarding and safe delivery to purchaser site.
