

**Government of India
Bhabha Atomic Research Centre
Ion Accelerator Development Division**

Ref: No. OPA/17038

Subject: Invitation of Quotations for Minor fabrication of XYZ Translation stage with magnet measurement bench

1. Quotations are invited for the minor fabrication job as per the technical specifications.
2. Bidder shall quote for fabrication and supply of these components along with material.
3. Taxes and excise duties shall be quoted separately. Form AF/H if required shall be provided.
4. The quotation must reach Head, IADD, Van-de-Graff Bldg, BARC **before 28/02/2019** and must be sent in a sealed envelope superscribed with the reference number and due date given above.
5. The quotations and the envelopes must be addressed to:

**Head
Ion Accelerator Development Division,
Van-de-Graff Bldg, BARC
Trombay - 400085**

6. The bidder should furnish the GST and PAN numbers in their quotations without which the quotation will be rejected.
7. Head, IADD, Van-de-Graff Bldg, BARC reserves the right to accept/reject any or all quotations without citing any reason.
8. The bidder shall take an insurance policy against any material issued to him by the purchaser.
9. The fabrication work shall be subject to inspection by our representative. The finished components shall not be dispatched prior to the approval by our representative at the suppliers site. Necessary inspection facilities as per the technical specification document has to be provided at the supplier's site.
10. The bidder shall deliver the finished components after inspection and approval by our representative within 3 months from the date of Work Order issued to the bidder. The finished components and the scrap from the free issue material shall be delivered by the bidder at CFB Building, BARC.
11. Quote for each part separately.
12. Detailed drawing with final dimensions will be made available after issue of work order.
13. In case any further clarification is required, the bidders may contact at phone no. 25596940.

Inquiry

**Government of India
Bhabha Atomic Research Centre
Ion Accelerator Development Division**

Technical Specification for Tender No. OPA/15919

Minor fabrication of XYZ Translation stage with magnet measurement bench

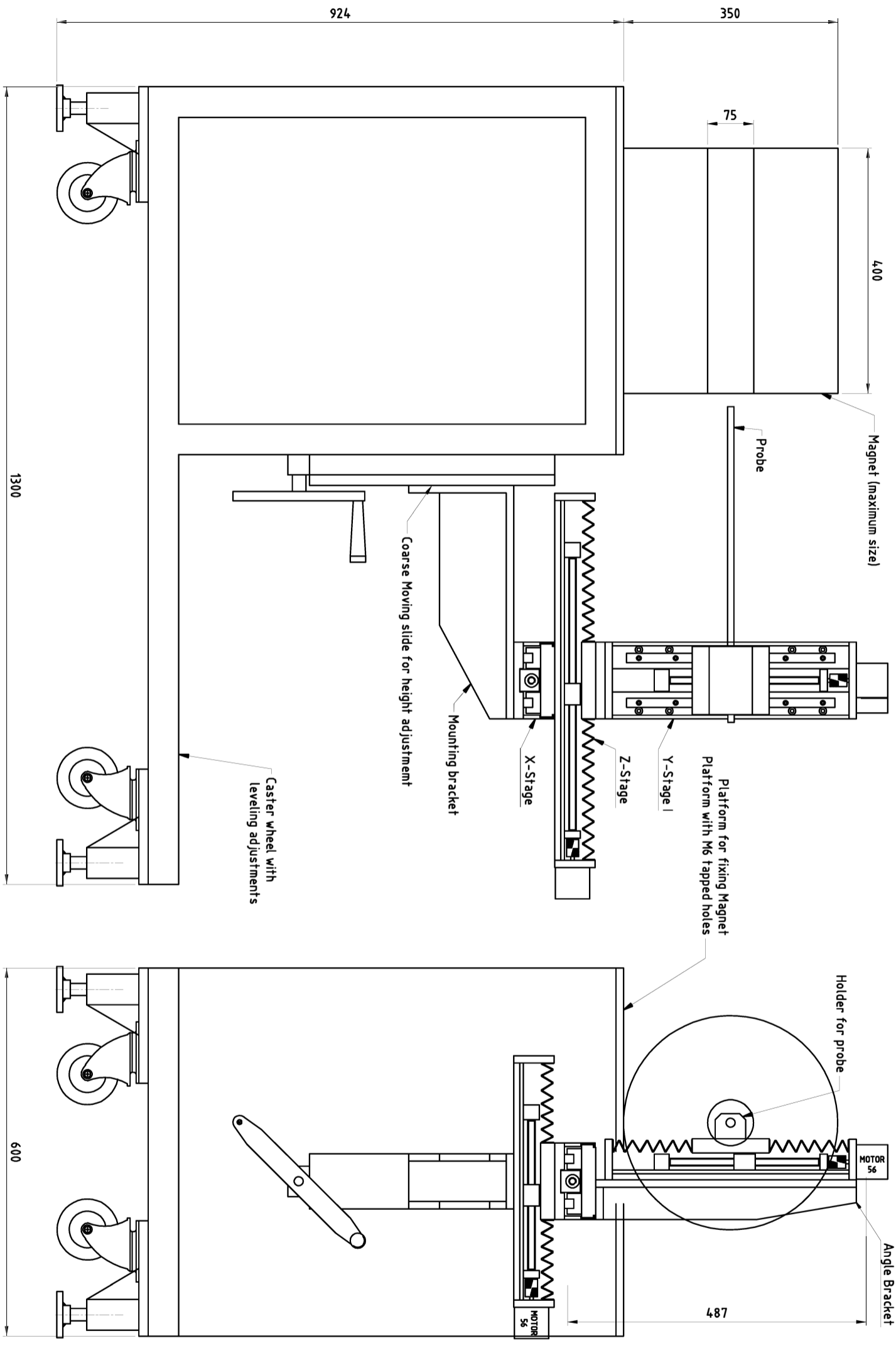
Technical Specifications of Motorized XYZ Translation Stage

Sr. No	Parameters	Values
1.	Absolute positioning accuracy	10 µm
2.	Repeatability	10 µm
3.	Straight line accuracy	5 µm
4.	Construction	Aluminum (except guideway, leadscrew & nut)
5.	Finish	Black Anodized
6.	Travel	X: 200mm Y : 200mm Z : 400mm
7.	Resolution	≤ 5 µm (Half Step) , 0.625µm (Microstep-3200 steps)
8.	Linear Guide	Precision Recirculating Guideway
9.	Drive	Precision Ground Lead Screw with Backlash Free Nut (Pitch-2mm)
10.	Actuator	Stepper motor
11.	Maximum Speed	8mm/sec
12.	Feature	Automatic direction change using limit switch (Optical Limit Switch)
13.	Encoder	linear magnetic encoder – Renishaw Make
14.	Pay-Load	5 kg
15.	CG	CG Approximate Center
16.	Controller	XYZ travel controlled by one controller , compatible with RS 232
17.	Power supply	Appropriate for XYZ translation and controller to be provided
18.	Software	1) Standalone software to be provided for PC based control of XYZ stage with linear encoder readback. 2) To drive the XYZ translation stage using a PC, a command set will be provided which can be used to communicate with the controller using LabVIEW or any other programming language through RS 232 port
19.	Magnet Support stand	Base Support stand with Leveling Base as per drawing with top SS plate
20.	Height adjustment Mechanism for XYZ stage	Slide with locking Mechanism
21.	Hall probe Protective Case	Protective case for Hall probe – Perspex based – compatible with the probe holder on stage: Probe details will be communicated by the indenter.

GST No.
PAN No.

(Vendors Name)
Authorised Signatories & Company Seal
Technical Specifications

1	2	3	4	RevNo	Revision note	Date	Signature	Checked
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Itemref	Quantity	Title/Name, designation, material, dimension etc	Article No./Reference	
			Date	Scale
			FILENAME	NA
XYZ Translation Stage with Magnet Support Bench			Edition	Sheet
			EDITION	SHEET