

MD



SPEED POST

SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT
GUJARAT-395 007

No. DoME/RSY/Seed Money/2762/1541 /2022-23

Date 22/08/2022

To,
Institute Website

સર્દાર વલ્લભભાઈ
નૌકલેજી યુનિવર્સિટી
સુરત

23 AUG 2022

Dear Sir,

You are requested to quote your prices for supply of stores listed overleaf. The quotations may be sent to the undersigned in a sealed envelope and subscribed as: "Quotation with reference to Enquiry No. DoME/RSY/Seed Money/2762/1541/2022-23 dated 22/08/2022. Your quotation should reach the undersigned on or before 07/09/2022 at 5:00 pm.

The quotations should be furnished with the following information.

- 1) The brand or make of each item should be specifically stated and wherever necessary, Complete set of specifications and dimensions should be given.
- 2) If asked, samples accompany the quotations
- 3) Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
- 4) The period of validity of the quotation should be at least 45 Days. Offers subject to prior sale may please be avoided.
- 5) The delivery period is to be clearly mentioned in the quotation.
- 6) The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
- 7) All concessions available to an educational institution should be specified and also taken into account while quoting.
- 8) This Institute is located within the limits of S.M.C. & exempted from the paying of octroi duty on incoming goods from outside limits of S.M.C.
- 9) This Institute is registered with the Dept. of Scientific & Industrial Research (DSIR) for the purpose of availing custom duty exemption & central excise duty exemption, and hence the certificate to this effect will be issued wherever it is necessary on demand.
- 10) Payment is normally made by cheque drawn on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 within a period of thirty days from the date of receipt of stores.
- 11) Your specifications & terms- conditions should be as per the format attached, must be on your company letterhead & signed by an authorized person.
- 12) Offered quotation may be rejected if any ambiguity is found in offered specifications, terms & conditions supplied by party in specified tabular format.
- 13) The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.

RSY

Yours faithfully,

Head, Dept. of Mech. Engg.

Technical Specifications of the Equipment

Machine base unit with XYZ axes slides/actuators

The following are the requisite specifications.

- 1. X Axis Slide/Actuator:** Followings are the requisite details for the X axis slide/actuator and also include relevant/necessary element if any.
 - ❖ Ball Screw : 25 mm diameter and 05 mm Pitch
 - ❖ Linear Guide : 25 mm (along with 04 Blocks and 4 Rails)
 - ❖ Rolled boll screw accuracy : C7 class or better than C7 class
 - ❖ Stroke length : 500 mm
 - ❖ Outer length : 840 mm (excluding the size of motor mounting)
 - ❖ Outer Width : 720/750 mm
 - ❖ Step Servo Motor : 85 kg-cm or higher torque with inbuilt encoder for close loop control, Lowest step angle: 1.8° or lesser, Insulation class: B or high
- 2. Y Axis Slide/Actuator:** Followings are the requisite details for the Y axis slide/actuator and also include relevant/necessary element if any.
 - ❖ Ball Screw : 16 mm diameter and 05 mm Pitch
 - ❖ Linear Guide : 15 mm (along with 04 Blocks and 2 Rails)
 - ❖ Rolled boll screw accuracy : C7 class or better than C7 class
 - ❖ Stroke length : 600 mm
 - ❖ Outer length : 700/800 mm (excluding the size of motor mounting)
 - ❖ Outer Width : 198 mm
 - ❖ Step Servo Motor : 85 kg-cm or higher torque with inbuilt encoder for close loop control, Lowest step angle: 1.8° or lesser, Insulation class: B or high
- 3. Z Axis Slide/Actuator:** Followings are the requisite details for the Z axis slide/actuator and also include relevant/necessary element if any.
 - ❖ Ball Screw : 16 mm diameter and 05 mm Pitch
 - ❖ Linear Guide : 15 mm (along with 04 Blocks and 02 Rails)
 - ❖ Rolled boll screw accuracy : C7 class or better than C7 class
 - ❖ Stroke length : 150 mm
 - ❖ Outer length : 285 mm (excluding the size of motor mounting)
 - ❖ Outer Width : 125 mm
 - ❖ Step Servo Motor : 85 kg-cm or higher torque with inbuilt encoder for close loop control, Lowest step angle: 1.8° or lesser, Insulation class: B or high
- 4. Base Mechanical Structure:** Followings are the details specified for base mechanical structure.
 - ❖ X, Y, and Z slides/actuators should be assembled together over the base mechanical structure with precision class accuracy,
 - ❖ Leveling Pad for Base with size 720 mm × 840 mm,
 - ❖ The relevant/necessary element should also be included if any.
- 5.** The weight carried capacity at the Z axis actuator must be at least 15-20 kg with C7 class or better than C7 class accuracy.

Others: Warranty: minimum 1 Years (or as per institute norms)

RSY