

**CALL FOR EXPRESSIONS OF INTEREST FOR
SUPPLY/DEVELOPMENT OF PRECISION MOTORIZED XYZ TRANSLATION STAGE**

Expression of Interest is invited for procurement of Precision Motorized Linear Translation XYZ Stage with the following broad and tentative specifications. The Specifications will be finalized after the EoI. All Domestic as well as Global OEMs/Representatives/Suppliers are invited for the EoI.

Item Quantity: 01 Unit

S. No.	Specifications	
1.	Travel range	X: 600mm Y: 100mm Z: 600mm or (300mm stage + 200mm dummy height)
2.	Application	Discrete Point to point 2D scan
3.	Load Capacity	10 kg on Z -axis
4.	Minimum achievable movement	≤ 1 μm for each axis
5.	Positioning Accuracy	≤1 μm for each axis
6.	Bidirectional repeatability	≤ 1 μm for each axis
7.	Maximum Velocity	100 mm/s or higher on fullpayload
8.	Operating Temperature	Covering 15°C to 50 °C range
9.	Feedback / Encoder	Linear Encoder
10.	Main power supply for controller	220-250 VAC, Single phase
11.	Desirable Features	<ul style="list-style-type: none"> • Interface between controller with computer via Ethernet or RS232 preferable. • The stage controller should be compatible with LabVIEW. The bidder should provide detailed features and capabilities of the control software. • Tabletop with Metric Dimension Mounting • Limit Switches, Mechanical Lock, minimum noise, short settling time, maintenance free are preferred. • Other accessories required for full functioning of the stage like power cables, interface cable etc. should be provided.

Proposed Application:

We are working on the design and development of holographic display systems for different applications. The stage will be used to scan the 2D holographic plate of maximum size 300 mm x 300 mm. The weight of holographic plate is ~3 kg (total weight with plate holding mount ~ 10 Kg) will be mounted on Z-axis and laser beams will be incident from opposite sides on the holographic plate in order to record sub-holograms. Schematic diagram of stages is given below (manufacturer may provide better option, if available, for improved stability and scan). The stage will be mounted on optical table. The position of plate will remain at a particular fixed Y-axis and the plate will be scanned along X- and Z-axes. As plate will be mounted on Z- axis, it could make cantilever, so provide suitable option like counter balancing mechanism to keep holographic plate rigid and stable in whole scanning process even in case of failure of electricity.

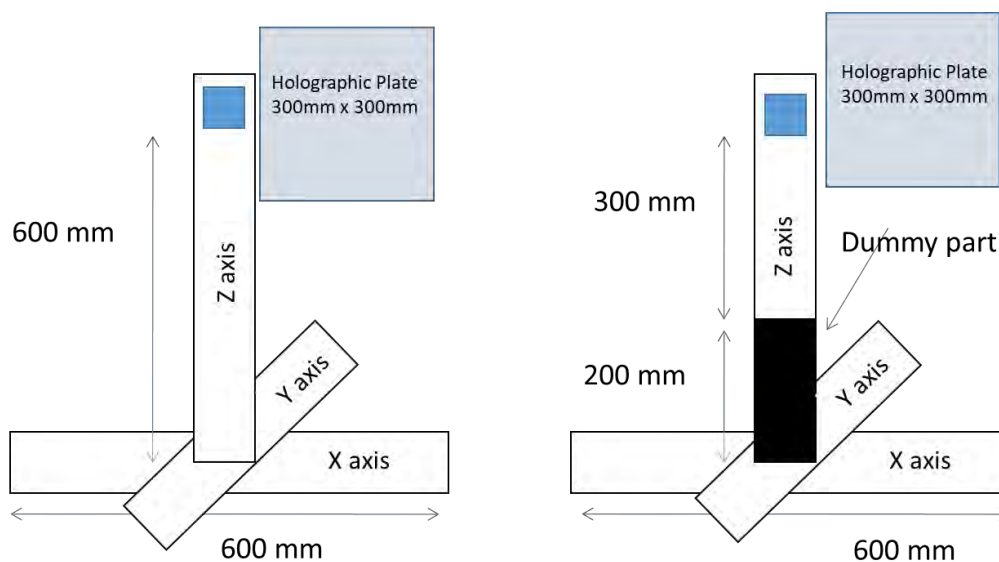


Figure: Schematic representation of stage mountings

Note:

Acceptance criteria:

General:

- Manufacturer should have their service support/ office in India.
- There must be a provision for the remote control of the system for trouble shooting purposes.
- Should provide and quote all the necessary attachments for the system to be fully functional.
- All the technical specifications must be available for inspection in brochures/ catalogues/ application notes/ datasheets/ websites of Principal Manufacturer/OEM.

Warranty and service support:

- 12 months standard warranty from the date of installation/commissioning and final acceptance
- Vender/OEM should quote 02 yrs extended warranty for the system and sub-systems after the completion of standard warranty.
- The complete supply must be guaranteed for free repair / replacement and free software upgrades (wherever applicable) during the warranty period.

Installation and commissioning:

- Detailed drawing of the equipment (System dimensions L x W x H), details of power supply requirements or any other requirement for the installation should be intimated with the offer.

Documentation:

- All the documents and software for the system to be supplied in English language. A complete set of original manuals (soft and hard copies) including user manuals, maintenance manuals, troubleshooting tips, built assembly drawings, must be provided.

OEM/Supplier/Vendor criterion:

- Only reputed OEM/suppliers will be considered.
- A user list with the similar systems to be provided.
- Details /contact numbers, e-mail etc. of the place where the systems have been supplied and installed should be mentioned.

A meeting is scheduled at 11:00 AM on 18.10.2022 via below link

Link for meeting: meet.google.com/weo-qwxj-ddu

Government eProcurement System		Government eProcurement System	
Tender Details		Tender Details	
Date : 06-Oct-2022 02:38 PM		Print	
Basic Details			
Organisation Chain	Council of Scientific and Industrial Research CSIO-Chandigarh - CSIR Purchase-CSIO - CSIR		
Tender Reference Number	CSIO/3(21)2022-Pur		
Tender ID	2022_CSIR_131147_1		
Tender Type	Global Tenders	Form of contract	EOI
Tender Category	Goods	No. of Covers	1
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No
Cover Details, No. Of Covers - 1			
Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical/Finance	.pdf	Expression of Interest for Precision Motorized XYZ Translation Stage details and link enclosed
		.xls	Expression of Interest for Precision Motorized XYZ Translation Stage details and link enclosed
Tender Fee Details, [Total Fee in ₹ * - 0.00]		EMD Fee Details	
Tender Fee in ₹	0.00	EMD Amount in ₹	0.00
Fee Payable To	Nil	EMD through BG/ST or EMD Exemption Allowed	No
Tender Fee Exemption Allowed	No	EMD Fee Type	fixed
		EMD Percentage	NA
		EMD Payable To	Nil
		EMD Payable At	Nil
Click to view modification history			
Work /Item(s)			
Title	CSIO-3-21-2022-EOI		
Work Description	Expression of Interest for Precision Motorized XYZ Translation Stage details and link enclosed		
Pre Qualification Details	Please refer Tender documents.		
Independent External Monitor/Remarks	NA		
Show Tender Value in Public Domain	No		
Tender Value in ₹	0.00	Product Category	Laboratory and scientific equipment
		Sub category	NA
Contract Type	Tender	Bid Validity(Days)	90
		Period Of Work (Days)	45

Location	Purchase Section CSIR-CSIO Sector 30 Chandigarh	Pincode	160030	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	As per link in specifications on 18.10.2022 11 AM
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	06-Oct-2022 03:00 PM	Bid Opening Date	18-Oct-2022 03:30 PM
Document Download / Sale Start Date	06-Oct-2022 03:00 PM	Document Download / Sale End Date	17-Oct-2022 03:00 PM
Clarification Start Date	06-Oct-2022 03:00 PM	Clarification End Date	14-Oct-2022 03:00 PM
Bid Submission Start Date	06-Oct-2022 03:00 PM	Bid Submission End Date	17-Oct-2022 03:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Expression of Interest for Precision Motorized XYZ Translation Stage details and link enclosed	437.39

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	EOI3212022.pdf	Expression of Interest for Precision Motorized XYZ Translation Stage details and link enclosed	423.11

Auto Extension Corrigendum Properties for Tender

Iteration	No. of bids required for bid opening a tender	Tender gets extended to No. of days
1.	2	7

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	ramesh.eproc@csir.res.in	Ramesh Kumar	RAMESH KUMAR
2.	sunder.eproc@csir.res.in	Sunder Lal	SUNDER LAL
3.	jayantrao.eproc@csir.res.in	Jayant Mohan Rao	JAYANT MOHAN RAO
4.	anilyadav.eproc@csir.res.in	Anil Kumar Yadav	ANIL KUMAR YADAV

GeMARPTS Details

GeMARPTS ID	R4IE5M7ZN8K7
Description	Precision Motorised XYZ Translation Stage
Report Initiated On	19-Sep-2022
Valid Until	19-Oct-2022

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Show Bids Details	Yes
BoQ Comparative Chart model	NIL	BoQ Comparative chart decimal places	2

BoQ Comparative Chart Rank Type	NIL	Form Based BoQ	No
Tender Inviting Authority			
Name	Controller of Stores and Purchase		
Address	The Director CSIR-CSIO Sector 30 Chandigarh		
Tender Creator Details			
Created By	Ramesh Kumar		
Designation	Assistant		
Created Date	06-Oct-2022 02:31 PM		