

Specifications tables

1) Linear stage (item-1)

Sl. no	Parameters	Value	Compliance (to be filled by the vendor with details)
1	Type of movement	Linear movement (manual)	
2	Range of travel (mm)	45 or better	
3	Angular deviation during linear movement (micro radian)	Less than 160	
4	Dimension (L x W x H) (mm x mm x mm)	Within 150 x 80 x 40	
5	Mounting platform dimension (L x W) (mm x mm)	Within 150 x 80	
6	Number of mounting holes	Minimum 20 numbers of M6 holes (metric thread) for proper mounting of components should be available	
7	Horizontal load capacity (kg)	75 or more	
8	Vertical load capacity (kg)	3.5 or more	
9	Micrometer position	Micrometer should be side mounted to the travelling stage.	
10	Micrometer travel range (mm)	45 or more	
11	Micrometer resolution (micrometer per revolution)	500 or better	
12	Mounting provision for multi-axes configuration	The item should have mounting provision of linear multi-axes assembly (XY, YZ, and XYZ configurations) which can be utilized to get up to three axis movement (XY, YZ, and XYZ configurations) using same type of linear stages having above specification.	
13	Mounting provision for rotational movement configuration	The item should have provision of mounting separate rotational stage (to be supplied as item 2 with the mentioned specification) so that rotational movement along with linear movement is possible, when needed.	
14	Assembly kits	Required component kits/adapters/accessories for functional linear multi-axes assembly (XY, YZ, and XYZ configurations) and	

		rotational movement assembly should be supplied with the item.	
		Required component kits/adapters/accessories for functional multi-axes (up to 3 axes) assembly and rotational movement assembly (compatible to item-2 as mentioned below) should be supplied with the item.	
15	Warranty	Standard warranty of minimum 1 year should be provided.	

2) Rotation stage (item-2)

Sl. no	Parameters	Value	Compliance (to be filled by the vendor with details)
1	Type of movement	Rotational	
2	Coarse rotational range (degree)	360	
3	Fine adjustment range (degree)	± 4 or more	
4	Fine adjustment resolution (milirad/revolution)	10 or better	
5	Dimension (L x W x H) (mm x mm x mm)	Within 90 x 90 x 50	
6	Load capacity (horizontal)	Total: 12 kg or better For fine adjustment : 4 kg or better	
7	Torque capacity (vertical) (N.m)	0.45 or better	
8	Mounting holes	M4 (minimum 3) M6 (minimum 10)	
9	Base mounting interface	Appropriate mounting slot with M6 holes should be available to mount the structure with different optical/mechanical structures	
10	Mounting configuration compatibility	The item should be compatible for mounting with the supplied linear stage (or linear stage assembly) having mentioned specification of item 1.	
11	Assembly kits	Required component kits/adapters/accessories for functional linear-rotational movement assembly (compatible for mounting	

		with item-1, as mentioned above) should be supplied with the item.	
12	Warranty	Standard warranty of minimum 1 year should be provided.	

Supply Conditions:

Sl. No.	Supply conditions	Compliance (Yes/No) (To be filled by the vendor)
1.	Vendor should be OEM or authorized by the OEM. If the vendor is not an OEM, valid authorization certificate from the OEM to be provided.	
2.	Vendor must provide technical compliance table, indicating point-by-point compliance/non-compliance against each indent specification (points and sub-points) in tabular format (as per the given format above)).	
3.	Only new item has to be supplied not the refurbished or used one.	
4.	The vendor must provide the necessary sufficient numbers of tools/adapters/accessories for standalone functionality of the system.	
5.	Vendor must mention the exact part numbers of the quoted items (for all the items and required accessories/adapters) and provide detailed manufacturer data sheet/manual.	