

Enquiry for Motorized manipulators with accessories

Enquiry Number: IITK/BSBE/NG/2015-16/1, dated: 28-08-2015

Closing date: ~~07-09-2015 at 5:00 PM~~ 14-09-2015 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited as per the specifications and terms and conditions listed below.

Specifications:

Motorized Manipulator with Control Cube & Software (Quantity: 2)

- 3 axis full motorization with at least 20 mm of travel in each axis
- Should have 20 nm or better resolution in each axis
- 4th virtual axis for direct approach
- Drift of less than 1 micron over 2 hours
- Speed range: 1 μ m per second to 4 mm per second
- Manual controller with separate rotatable knobs for each axis, and speed control switch, home-in and home-out function
- Should include software for set up, PC control and custom settings
- Memory positions for 40 or more on control device and unlimited positions through software
- Operable at 230V, 50Hz

Accessories to be provided (Quantity: 1 each)

1. Stable mounting platform that can be used alongside any microscope for the secure mounting of micromanipulators and other equipment. Should include a swing-in swing-out facility and repeatable positions. Should be bolted to metric or English spaced lab tables.
2. Stable platform for mounting samples. Should have aperture for 108mm and 110mm sample plates with condenser through hole. Should include swing-in swing-out facility and bolt down base for attaching to metric or English spaced tables. Should include a slice recording chamber, magnetic mounting rings and perfusion tools.
3. A removable bracket to allow shallow angle positioning of headstage
4. A removable bracket to allow steep angles or additional height reach for headstage or probe
5. A electrode/probe holding bar with v groove which attaches to motorized and manual Manipulator
6. A dovetail probe holder to fit bars/probes on Manipulators
7. A stable manual manipulator with 4 linear axis and 3 rotary axis. Should include repeatable stops for easy pipette exchange and fast positioning, adjustable probe holder for easy clamping and smooth fingertip control adjusters for fine positioning. X Y and Z axes: 0.8 mm per revolution. Approach axis: 0.5 mm per revolution. Resolution 1 μ m or better. Range of motion: at least 25 mm on X, Z and approach axes, and 12.5 mm on Y axis.
8. A removable extension bracket that attaches to the manual manipulator and provides additional reach for alignment of probes.

Terms and Conditions

- Comprehensive warranty for 3 years should be supplied without additional charge
- Maximum discount if any should be offered and mentioned.
- Quoted price should include the cost for installation, warranty and required accessories

- Validity of the quote at least for 90 days.
- The indenter reserves the right to cancel the tender without being answerable.
- FOB (indicating port of shipment) and CIF (New Delhi) values should be quoted separately if import is required. For quotes in INR, the price quote should be for delivery at Kanpur.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- A summary table should be attached to highlight the compatibility of the product against the specifications.
- Only principal manufacturers or authorized representatives are requested to send the quote along with proper certificates. The envelope should be marked as "**Quote for motorized manipulators with accessories**".
- Quote should be made in two parts: Technical bid and Financial bid separately in sealed envelopes

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