



**MAHATMA GANDHI MISSION TRUST**  
**MGM INSTITUTE OF HEALTH SCIENCES, CENTRAL PURCHASE DEPARTMENT (CPD)**  
Plot 1 & 2, Sector -1 Kamothe, Navi Mumbai 410209

**5. E-Tender of Micromanipulator and Microinjector**

Tenders invited from reputed manufactures or their authorized distributors for Supply of Micromanipulator and Microinjector for MGM School of Biomecical Sciences NM, Kamothe, Navi Mumbai in the format given below:

Name & Address of Vendor: \_\_\_\_\_

Sr. No.	Specifications	Details of Make & Model (Specifications)	Required Qty.	UOM	Rate per Unit (Excluding GST)	Extra GST (%)
1	<b>Make</b>					
2	<b>Model Name</b>					
3	The system should be a fully electronic system. All X, Y, Z axis movements should be controlled electronically.					
4	The system should have resolution of not more than 0.02 µm (20 nm) increment for fine and smooth movement					
5	The system should have at least 20mm capillary travelling distance in all three axis to cover the working area in petri dish.					
6	The system should have the capability to adjust the angle of capillary from 0 degrees up to 90 degrees for side-on and angular injections.					
7	The system should have a tool travel speed of at least 10,000 µm/s, for rapid work.					
8	The system should have option to set both upper & lower programmable Z axis limits for effective injection.					
9	The system should have an option to connect to a piezo drill device for automated forward movements of the capillary.					
10	The system should be able to connect to an electronic microinjector to carry out semi-automated axial injection where penetration of cell and dispensing of sample is performed automatically.					
11	Built-in compressor to independently deliver the required pressure of RNA/DNA solutions into fertilized oocytes of animals/insects.					
12	Injection volumes range from femtolitres to					
13	User-friendly interface with large LCD for easy operation.					
14	System should be optimized user interface for various applications.					
15	The electronic microinjector should have programmable parameters like injection time, injection pressure, compensation pressure.					
			1	Nos.		

16	Should have both injection pressure and compensation pressure range between 5 – 6000hpa.				
17	System should have clean function and the rinsing pressure range 6000hpa.				
18	The electronic microinjector should have compatibility with micromanipulator				
19	Systems for semi-automatic injection and optional foot paddle to trigger manual injection.				
20	Should supply the appropriate sterile injection capillary and sample loading tips.				
21	Should supply the universal stand or microscope adaptor to mount the micromanipulator.				
22	<b>Installation :-</b> Complete Onsite installation, setup and training				
23	<b>Warranty :-</b> There should be a 5 years warranty from the date of installation at our site in addition during Warranty, if any parts are required to be imported they shall be supplied free of cost on C. I. F. Basis				

Kindly email your lowest quotation for above with your terms and conditions including warranty, delivery period, payment as well as client list and brochures to [etenders@mgmuhs.com](mailto:etenders@mgmuhs.com) only.

**Date:**

**Signature of Tenderer:**

**Seal**

**Name:**

**Designation:**

**Email ID:**

**Mobile No.:**

**Full Address:**