



MAHATMA GANDHI MISSION TRUST  
MGM INSTITUTE OF HEALTH SCIENCES, CENTRAL PURCHASE DEPARTMENT (CPD)

**1. E-Tender for HPTLC Thin Layer Chromatography System (Basic)**

Tenders invited from reputed Manufactures or their authorised distributors / dealers of HPTLC Thin Layer Chromatography System at MGM SBS, Kamothe, Navi Mumbai in the format given below:

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

Particular	Details of Make and Model	Qty	UNIT	Rate Per Unit (Excluding GST)	GST%
<b>Make:</b>					
<b>Model:</b>					
<b>SEMI AUTOMATIC SPOT / BAND APPLICATOR</b>	5th Generation. Sprays sample to layer. Stand alone or System Manager Control. 4 mode applicator				
	Quantitative analysis				
	Micro-preparative chromatography (190mm band length & 500µl sample in one go)	1	No		
	Superimpose – int. std.or derivatization reagent in same method				
	in – situ clean-up (sample application at 110mm on y axis). Sample syringe – 100µl (for analytical work) 500µl (for micro preparative work). Sample position on X & Y axis freely selectable. Automatic rate of sample dispensing. Method storage – 10 built-in or infinite through system manager. Method entry – Manual or download from System Manager. Can auto – test instruments (self-diagnosis).				

<b>CHROMATOGRAM DEVELOPMENT CHAMBERS</b>	All glass, molded, one piece, bubble free chamber for TLC/ HPTLC. Bottom divided into two equal halves with a sloping divider. Chamber top and bottoms (both outside the chamber and inside the two troughs) should be perfectly parallel to each other.	
	Chamber ground finish on top for good seal and at bottom for perfect level. Heavy chamber to minimise effects of vibration. One piece joint less moulded chambers prevent leakage and tough to handle while cleaning. Stainless steel rust proof lid with overhang to completely seal the chamber. Appropriate sizes for 20x10 cm and 10x10 cm plates.	
<b>PHOTO RECORDING UV CABINET:</b>	UV Cabinet with a digital camera mount.	
	Enables to inspect the plate as well as keep a record by photo documentation. Images transferrable to PC. Digital camera required. Image can be attached to System Manager report. Image annotation software included.	
	Dual wavelength 254 nm + 366 nm with guaranteed minimum intensity, as follows: UV lamp at 17 cm distance. Short wave UV (254 nm) 1600, long wave (366 nm) 1000,. Visible light (<400nm) 0.4. Full protection to viewer's eyes and skin from UV light for safety. High tech 50 kHz power supply for flicker less, instant illumination. Portable darkroom. Auto switch off after 10 min. Thermal sensor and tilt sensor built in.	



