

## Annual Requirement Divison of Molecular Biology Division - 2024

### Equipment

Serial no	Name of the item	Specification	Quantity required	Bidder Response		If "No" Bidder specification
				Yes	No	
1	Digital PH meter	Calibration : Automatic, Resolution : 0.1, Accuracy $\pm 0.01$ pH, Automatic Temperature Compensation	1			
		Auto buffer recognition, Auto read, 1-3 points calibration with standard recognition.				
		Able to measure parameters various solutions used in the laboratory				
		Benchtop, Data storage for 50 sets for each parameter				
		High resolution display screen about 6 inch				
		pH range 0-14				
		Electrode BNC or similar				
		Autoshut down options availble				
		All the accessories and solutions for functioning should be included				
Warranty 2 years preferred						
2	Micro Pipette set (2 micropipettes)	Volume range( $\mu$ L) : 0.1~2 $\mu$ L= 1, 10~100 $\mu$ L = 1	2 (one from each volume)			
		Autoclavable, UV resistant				
		Lock mechanism : easier to adjust volume smoothly.				
		Materials used for pipette body have high tolerance to solvents.				
		Non-grease designed.				
		Digital Setting, Glass-made counter window,				
		Non corrosive plunger, seal ring				
		Nozzle top of highly abrasion tolerant				
		Improved blower system for efficient dispensing				
		Warranty period 5 yrs preferred.				
3	Hot plate	with Magnetic Stirrer with hot plate	1			
		LED display to show the speed of stirring				
		speed of stirring which can be controlled				
		Stirring speeds adjustable between 60-1650 rpm.				

4	Cool box	Usable cold sapce 5L Capacity,	1			
		Handle : webbing shoulder strap (with carrying belt) and other parts included				
		To carry Vaccines, Biopharmaceutical, biological specimens, blood samples etc.				
5	Test tube racks	autoclavable at 121°C, able to use in waterbaths, Supportsat least 12 test tubes of 22mm in diameter, specify the rack measures, polypropylene	1			
6	Gel Documentation System	Camera with scientific grade parts providing photo documentation of DNA and protein gels, superb resolution	1			
		Able to visualize DNA and protein gels with different stains such as ETBr and safe stains				
		Complete with built in processor, touch screen and necessary software available				
		Zoom options with high technique, image edit possibility preferred				
		Image capture and analysis possibility prefered, high sensitivity needed				
		Large image viewing area, mention the size				
		safety features maximum, need to mention				
		Save photo files as jpeg or 16bit Tiff files or similar				
		Have USB ports				
		Compact workstation with all the necessary components				
		Warranty period 10 yrs prefered				
Service agreement and free service providing terms to mention						
7	UPS 1KVA	for desktop computers, 1 KV, with battery, backup time around 30 minutes, suitable to local electrical supply and voltages, with indicator lights of green, yellow and red, with audible alarms, noise level less than 40 db prefered, warranty period minimum 2 years	2			

















































