

Annual Requirement CVIC - 2024

Equipment

S.N	Name of the item	Specifications	Pack size	QTY	Bidder's compliance	If "No" bidder's specifications
					Yes/ No	
1	Microplate Spectrophotometer	Compatible with 96 well microplates	1	1		
		It should have a touch screen for stand-alone use				
		Monochromator-based optical system for free selection of wavelengths from 200 nm to 1000 nm with 1 nm steps				
		Light source should be Xenon flash lamp for longer life time				
		Read-out range should be Up to 4 Abs				
		Bandwidth should be less than 2.5 nm				
		It should have cuvette facility to use for general spectrophotometer applications				
		It should have Linear Plate shaking facility				
		Spectral scanning speed should be 10 seconds from 200–1000 nm with 1 nm steps				
		Incubation range should be from ambient + 2°C to 70°C				
		Linearity should be 2% in the range of 0–2.5 Abs,				
		Accuracy-1.0% + 0.003 Abs in the range of 0–2.0 Abs and 2.0% in the range of 2.0–2.5 Abs				
		Precision should be < 0.003 Abs or CV < 1.0%				
		Stand-alone with 7 inches touch-screen display, PC control by software (PC should be quoted separately)				

1	Microplate Spectrophotometer contd..	PC software shall provide comprehensive selection of built-in calculations, including blank subtraction, standard curve, classification, quality control, and kinetic and spectral analysis				
		It should have USB ports for PC control and USB memory device				
		Power 230V/50 Hz				
		Bidder should have good aftersales facility with trained technicians and parts available locally to carry out any service/ repair immediately				
		Warranty for 2 years				
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					Yes/ No	
2	PCR System (3 blocks with a power safety unit)	PCR System (3 blocks with a power safety unit)	1	1		
		The independent dual reaction compartments to conduct three independent PCR protocols in a same time.				
		PCR machine could be up graded in to Real time PCR				
		Temperature accuracy shall be ± 0.25 deg C or better Temperature range shall be 0 -100 Deg C				
		PCR tubes in 0.25 ml size. Tube frame to provide extra support for individual 0.2ml tubes in reaction modules.				
		Instrument should have onboard instrument memory and system should have a USB port to transfer methods from one machine to another.				

		Instrument shall have color LCD display. The clear plastic cover for touch screen to shields the surface from dust, reagents and scratches.				
		The system should allow easy product updates via USB port				
		The machine should be duly certified / authorized for PCR process and the vendor should produce the certificate for the same.				
		All necessary optimized reagents and plastic ware for standard and fast thermal cycling should be made available by the vendor.				
2	PCR System (3 blocks with a power safety unit) contd..	Power Requirement shall be 230V/50Hz				
		Printed literature for the instrument manufacturer should be attached with the offer				
		Should provide a letter of authority from the manufacture, certifying that the local agent In Sri Lanka. Offers not carrying authentic letter of authority will be rejected				
		Instrument should be a fully workable system. If any other accessory, consumable is needed for completed operation supplier must quote for required accessories, consumables and chemicals				
		Supplier should have an established after sales service unit with proven records and necessary tools. Supplier should have at least 5 year experience for supply and maintaining similar type of instruments.				
		One set of Operation Manual in English language				

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3	Bunsen burner (IR-sensor ignition)	For Flame Source: liquid Petroleum gas	1	1		
		Rapid & precise ignition for fast loop nealing				
		Uniform & constant flame for perfect bottle neck sterilization				
		Safety cabinet qualified due to optimized air flow support				
		Hands free operation with foot-switch or touch free IR-sensor ignition				
		Housing:Stainless steel / glass UV and solvent resistant				
		Burner head :Stainless steel				
		Cover of Burner Shaft:10mm, with drains				
		Dimensions (WxHxD):4.1" x 1.9" x 5.1" (103 x 49 x 130 mm)				
		Weight: 1.6 lbs (700 gr.)				
		IR Sensor Modes:Start / stop +exact time set (sec.). Residual burning time displayed				
		Safety & commodity Settings as follows				
		Burner head control				
		Sensor: Click or double-click start				
		Stand-by:Automatic switch off setting				
		IR-Sensor:Sensitivity range setting -III+				
		Language:English				
Warranty for 2 years						