

Mundur (PO), Palakkad (Dist.), Kerala

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Quotation notice No. 02/21-22

Sealed quotations are invited from the manufacturers/authorised distributers for the supply of the under noted items for implementing various projects for the year 21-22.

Sl.No. Name of item Qua			
1.	Incubator and Anaerobic chamber	1 Nos	
2.	Microscope with 100x magnification and digital camera facility	1 Nos	
3.	Gel documentation system	1 Nos	
4.	TDS meter	1 Nos	
5.	Deep freezer	1 Nos	
6.	Balanced Cell Colorimeter	1 Nos	
7.	Double Beam UV visible spectrophotometer	1 Nos	
8.	COD Digestion Unit	1 Nos	
9.	Turbidity meter	1 Nos	
10.	ArcGIS Desktop Basic 10.8	1 Nos	

Further details are available during working hours from our ofice or from website www.irtc.org.in. Last date of accepting quotation 31-1-2022.

Mundur 20-01-22

Detailed specification

Director alad Rural Technology Centre Mundur, Palakkad - 678 592 Kerala

Instruments Specifications 1. Anaerobic - Incubation chamber, operating chamber sampling chamber, pneumatics chamber systems bottle rack, melting wax sterilizer etc. - Intelligent temperature controller - UV disinfection to avoid contamination - Gas flow adjusted by pneumatics system 2. Microscope **Specifications** with > 9 inch LED Screen 100x magnification > 2 GB RAM and >8 GB Internal Memory with External SD Memory Card (>32GB) digital camera Build-in Microscopy Software (Measuring and Particle Analysis) facility Android OS HDMI Output, SD Card Support, Bluetooth Lens: 100x Magnification Condenser with Color coded position guide markings of aperture diaphragm. corresponding to objective magnifications

3.	Gel documentatio	Gel Doc - Description:	microDOC basic system with lift-off dark room hood and camera only		
	n system with	Specifications Camera:	dark room nood and camera omy		
	Horizontal	Effective Pixels: Type:	24.1 megapixels TTL-CT-SIR with CMOS senso		
se e N Si	Electrophoresi	Lens:	24.1 megapixeis 11L-C1-31K with CMO3 senso		
	s Unit	Maximum Aperture:	f/2.8 - f/5.6		
		Image Resolution:	720 × 480 up to 5,184 × 3,456		
		Data Type Still images:	Exif 2.3 (JPEG), RAW (CR2)		
		Vidoes:	그는 이 아이지가는 이렇게 다른 이번 살아가면 아일을 하지만 하셨다면 하는데 없는데 얼마나 없는데 얼마나 없는데 없었다.		
		vidoes.	MOV (Image data: H264; Audio data: Linear PCM (stereo)		
		Filter: Inner White Light:	Ethidium Bromide or SYBR Green (58 mm) 2 x 3 W white light LED		
		Monitor: Display Format: Luminance:	8" LED		
		Display Mode:	NTSC/PAL mode		
		Electrophoresis unit - UV transparent casting tray Combs for horizontal subma wide	for 10cm standard gel unit arine electrophoresis unit for Standard gel 10 cm		
		Digital display of both Amp	s and Volts		
		AC Power On and DC Power On LED indicators			
		Current - 0 to 2.5 Amps			
		Voltage – 0 to 400 V			
		Operating temperature range	e – 0 to 30° C		
4.	TDS Meter	Measuring Range: 0-1000ppm;1000-10000ppm;10.1 to 200.0ppt (Convert range automatically)			
	Resolution: 1ppm; 0.1ppt Accuracy: +2% FS				
		Salinity Measuring Range: 0	0.01% to 25.00%		
		Resolution: 0.01-5.00(0.01%			
		Accuracy: 0.01-5.00%(±0.19	HONER		
		PH Measuring Range: 0.01-14.00 pH			
		Resolution: 0.01pH			
8		Accuracy:±0.05 pH			
	= 1 22 S13	Temperature Compensation :ATC 0-60°C			
		TDS Factor: 0.4 to 1.0			
		Operation Environment: 0 to 60.0°C(32.0-140°F); RH100%			
		Temperature Accuracy: ±0.5°C			
-		Temperature Range: 0.1-60.0°C 32.0-140°F			
		Temperature Resolution: 0.1			
		Automatic Shut-Off mechan	ısm		
5.	Deep Freezer	Manual defrost -20°C and au	utomatic defrost -30°C laboratory freezer.		
		Environmentally-friendly	y, non CFC and HCFC refrigerants		
		 Energy savings without s 	sacrificing protection		
		 Alarms built in 			

		 Quiet operation Keyed security, including power switch and set-point Easy mobility plus lockable casters
6.	Double Beam UV-Visible Spectrophoto Meter	 With built in PC and touch screen color monitor Wavelength range: 190-1100 nm with ± 0.5 nm accuracy, resolution 0.1 nm Automatic wavelength calibration and programmable wavelength for lamp change over Repeatability: ±0.2 nm Repeatability: ±0.002 absorbance Accuracy: 0.005 absorbance Readability: 0.01 %T, 0.0001 Abs Stray light: <0.05%T at 220 nm Monochromator: concave holographic grating with 1200 lines per mm Spectral bandwidth: 1.8 nm Absorbance range: -3 to +3 absorbance 3 USB port Light source: deuterium lamp & tungsten halogen lamp Detector: silicon photodiode Warranty: minimum 2 year
7.	Balanced Cell Colorimeter (Digital Photo Electric Colorimeter)	Display scale: 0-1000

8.	COD Digestion Unit	SPECIFICATIONS: • With 8 tube Air Condenser • BOROSIL PRODUCT CODE-100COD000008	
9.	Turbidity Meter	SPECIFICATIONS: • Micro controller-based instrument • Range: 0 to 4000 NTU • Resolution: 0.1 NTU • Range selection: automatic • Accuracy: ±3 % Light source: tungsten filament lampMicro controller-based instrument Range: 0 to 4000 NTU Resolution: 0.1 NTU Range selection: automatic Accuracy: ±3 %	
10	ArcGIS Desktop Basic 10.8	ArcGIS Desktop Basic 10.8 ESRI ^R	



Integrated Rural Technology Centre Mundur, Palakkad - 678 592 Kerala