	Quotations are invited for the following instrument of Biotechnology department. Unit price and GST amount are to be mentioned separately. Last date of submitting quotation 19/08/2023.		
SI. No.	Name of the Instrument	Specification	
SI.	·	·	
		IRIS DIAPHRAGM- <b>Special day light blue filter in holder</b> .	

		II LLIMINATION Illumination 21M LED Lamp with
		ILLUMINATION-Illumination 3W LED Lamp with variable illumination control with LED life upto 10000-30000 hrs.
		POWER- Power Input 100-240V 50-60 Hz as per ISO 9001 & CE standards.
		STANDARD- Vinyl dust cover, power cord, immersion oil, cleaning solution.
		CERTIFICATIONS-ISO 9001:2008, ISO 13485:2012, CE, BIS approved.
2	BINOCULAR MICROSCOPE (with	Stand- Rigid & Heavy single mould aluminium die-cast
	built-in light arrangement)	stand. Observation Head- Binocular head inclined at 45° and rotatable in 360°.
		Eyepiece-10x WF (paired) anti-fungal eyepiece.
		H6x(paired) extra.  Nosepiece- Quadruple ball bearing revolving nose piece
		Objectives- 4x/0.10, 10x/NA 0.25, 40x/NA 0.65(SL) & 100x/NA 1.25(SL) Oil immersion.
		Stage- Size 120x140mm with co-axial controls for X &
		Y movement.  Focusing- Separate coarse and fine knobs reading up
		to 0.002mm.  Condenser-NA 1.25 fitted with iris diaphragm and blue
		filter holder.
		Illumination- Halogen 6V-20W with variable intensity control.
		Power- AC input 100V-240V, 50/60 Hz ISO 9001, CE approved.
		Packaging Contents- Styrofoam moulded Nylon Dust cover.
3	SENIOR LABORATORY AND	Brass metal construction, Long life use
	MEDICAL MICROSCOPE (Light	Brass Mechanical stage TECHNICAL SPECIFICATIONS:
	Microscope) Wide Field Model) Supplied with LED illumination with	Monocular body with horse shoe shaped base hinged
	battery back up	type, versatile designed inclinable through 90o Aluminium Die-Cast parts.
		Mechanical tube length 160 + 1 mm.  Triple revolving nosepiece with positive centring
		and click stop.  Coarse motion through rack and pinion. accurate
		graduated fine motion reading to .002 mm.
		Fixed square stage120mm x120mm fitted with detachable brass graduated mechanical stage for X
		and Y movement upto 40mm to 75mm.  Two lens Abbe condenser NA 1.25 with iris
		diaphragm and swing out filter holder with blue
		filter, moveable through rack and pinion.  A standard plano-concave mirror 50mm dia. in fork,
		replaceable by a sub stage microscope lamp.  Safety stopper, prevents damage to slide and
		objectives.  Black stoving finish and hard instrumental chromium
		finish.
		Complete with optics, these microscopes are packed in shockproof Styrofoam molded box inside die cut
		cardboard boxes with top handle having provision for placing eyepieces, objectives and dust cover.
		All knobs Slides, motics, objectives are made up of brass material for long life

4	Microprocessor based pH Meter	Certification- ISO, CE OPTICAL COMBINATIONS: Eyepieces: WF 10x & H15x. Achromatic Objectives: antifungus, anti-reflection coated, parafocal objectives 10x, 40x/45x(SL) & 100x Oil Imm.(SL) Magnification Range: 40x - 1500x  16 X2 alpha numeric LCD display having auto
	•	temperature compensation, auto buffer recognition along with accessories. Its features include 5 point calibration. Data Storage facility upto 1000 samples, complete with pH electrode, temperature probe, electrode stand, dust cover & Instruction Manual, computer interface with USB (Table Model).
5	MICROPROCESSOR BASED TABLE TOP HIGH SPEED COOLING RESEARCH CENTRIFUGE, With Rotor Heads, Stabilizer & Accessories	High speed Cold Research Centrifuge. Cold with speed controlled, Digital speed meter, timer, without rotor.  Max Speed 20,000 rpm, Max Rcf 37,570g, Max. tube Capacity 100 ml, Max. Capacity 400 ml Dimension 775 x 575 x 475 mm, Lowest Temp - 8 deg C, Connected load KVA 1.6, Pre Cooling Facility Available, Acceleration Profiles 9, Deceleration Profiles 9, Fast Spin Facility Available Calibration Window on Lid for Speed, Display LED, Control Communication Digital Parameter setting Switches Bi directional encoder, Brushless motor with frequency drive, Inverter fault detection with auto shut down, CFC free refrigeration system, 99 No of Programs, Temp. display °C/°F, User defined program name for 5 programs Last set parameters recall, Digital countdown timer 0-99 min & Continuous run, Automatic door opening Facility Available, Automatic Rotor Identification, Motor overload protection, Emergency lid lock release, Imbalance detection with centrifugation cut off Complete with 24x 1.5ml, Angle Heads with Polypropylene Tubes, 12 x 15ml, Angle Heads with Polypropylene Tubes and Servo Controlled Voltage Stabilizer Input 170 – 260 Volts, Output 220 Volts to 240 Volts.
6	ADVANCED MODEL UV- TRANSILLUMINATOR	Standard view 20 x 20cm, Basic system with <b>imported UV filter</b> , Mid –range UV source 254/312nm, Eight x 8W tubes, air cooling fan, and UV shield with Gel Developing Tray with transparent base & gel holder, spare UV-Lamp Mid range 312nm.
7	VERTICAL SLAB GEL SYSTEM WITH POWER PACK	Dual Model Regular Two 16 x 14cm Gels Basic Unit with Platinum electrode assembly(2), Glass Plates-notched & rectangular(2sets), Teflon comb, 1.0mm)2) Spacers 1.0mm(6), Clamp & screws (4 sets) Dual gel casting stand (1set), Metal Clips(4), Plastic pouch(1pk), Power cord(1) and water circulation provision is available, Gel casting unit for dual, Recommended power pack Analytical model, Analytical Model Output 0-300VDC;100mA, Overload/short circuit automatic cross over and timer
8	Alcohol Distillation Unit	Made of Borosil Glass
9	BOROSIL - Single Distillation Unit with DAPS	Capacity 1.5 Lit per hour.  Distillation Apparatus Power Supply (DAPS) enables the Distillation Unit to function automatically by switching off the heater in case the water level falls

		below the heating coil, thereby safeguarding the
		heaters.  The sensor rods are adjusted above the heater levels,
		and operate on 12 Volt power supply
		DAPS emits a buzzer sound alert to indicate low water level
10	Pipette Variable Volume - Tarson	Range 2µl-20µl, 10 µl-100µl & 100µl-1000µl
10	Pipette Variable Volume - Tarson  COOLING BOD INCUBATOR SHAKER WITH VARIABLE ORBITAL MOTION, COMBINED HIGH & LOW TEMPERATURE	
		Temperature Control-By Microprocessor Based PID Digital Temperature Indicator cum Controller
		Accuracy of control- ± 0.5° C. Shaking Speed-10 to 300 RPM.

12	MICROPROCESSOR COLONY COUNTERS	Power Failure Alarm-Audio Visual Alarm Temperature Variation Alarm- Set Temp. 2°C Audio Visual Alarm Illumination- LED Tube Memory-9 programs memory Shaking Motor- PMDC Drive Motor Speed Controlled by- Stepless speed regulator. Shaking Tray Size & Capacity- One No-18" x 18" and can accommodate 25 Nos of 250 ml Conical Flasks. Operating Voltage- 220/230 V. AC. Single Phase, 50 Hz.  DISPLAY 4 Digit Seven Segment LED, MAX COUNT-9999, KEYBOARD-6 soft touch membrane keys, CORRECTION- Count correction facility available to cancel The unwanted counts, STORAGE-125 Result-count storage retained even LI the system is switched off, AVERAGE Average mode facility available, DISH SIZE110 mm, MAGNIFICATION -X 1.7 surface magnification Count Correction Facility, Result-Count Storage, Audible Confirmation of Each Count, Auto Marker Pen, Uniform Glare Free Illumination, Wolffhugel Glass Grid with Focussing Facility, LED Based
13	Haemocytometer	Illumination
14	Electrophoresis Power Supply Unit	This unit can be used with Submarine and Mini Vertical electrophoresis unit. It can run two units at constant voltage or constant current with maximum output of 300V, 400mA and 80Watts. Time can be set in 1 minute increment or continuous mode.
15	Specific Gravity Bottles	Capacity10 & 25 ml