

Tender Notice No. ETEN/NASC/AF-PD/2024/BOT dated 29.07.2024

Item Specification of Equipments to Botany Laboratory

Sl. No.	Equipment/Item	Specifications	Quantity
1	Monocular Research Microscope with Battery Back-up	<ul style="list-style-type: none"> • Stand: Sturdy stand with anti - rust materials. Extended base • Viewing Bodies : Monocular tube, 45° inclined, 360° rotatable • Eyepieces: Integrated Wide Field eyepiece WF 10x/18mm, with foldable eye guard, anti-fungus coating • Nosepiece : Quadruple nosepiece (Ball bearing type) • Objectives : DIN Semi-Plan Achromatic objectives 4x, 10x, 40x (SL), 100x Oil (SL) anti-fungus coating • Mechanical Stage: Mechanical stage with Co-axial drive, highly smooth on Ball Slides, Stainless Steel Holders for Slide Movement X-Y = 75mm x 50mm • Condenser: Sub-stage Abbe condenser NA 1.25 with aspheric lens. Iris diaphragm with snap-in blue filter. Rack and pinion movements on metal guides. • Focusing: Co-axial coarse and fine focusing on all drive system for smooth movement. • Illumination: LED illumination with rechargeable battery cells, at least 5 hours battery backup in case of electricity failure. • Electrical: Input 200V-240V AC. 	15

		<ul style="list-style-type: none"> • Should have CE & ISO Certification 	
2	Single Distillation Unit	All Glass, with Quartz Heater, 'O' Ring Type Condenser Fixing arrangement, without Auto Cut-off, Horizontal Type, Made from Heat Resistant, Low Expansion Borosilicate Glass, Power kw : 1.25 Cooling Water Requirement : 35 Ltrs/Hr (Approx.) Output Ltr : 1.5 Conductivity : 1.5-2.5 2 05-04	1
3	Vertical Slab Gel System	Regular Dual (for Two 16 x 14 cm gels) Dual Model - Regular-Two 16 x14 cm Gels Basic Unit with Platinum electrode assembly (2), Glass Plates - notched & rectangular-(2sets), Teflon comb, 1.0 mm (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	1
4	Powerpack	Analytical - (0-300V / 100 mA; CC-CV) Output: 0-300 VDC; 0-100 mA; Overload / short-circuit; automatic cross-over and timer No. of Output Terminals - Two pairs of output terminals connected in parallel Size (lbh) : 13 x 17.5.x 24 cm; 3 kg; 220-230VAC Operation - Variable Constant Voltages / Current ; Safety - Short - Circuit / Over Load	1