

BQO for the Supply of Lab Equipment for the FY 2026-2027

SL.No	Name of equipment	Specification	Brand	Price	Remarks
1	Water Distillation unit				
2	Flame Emission Photometer	Sherwood Scientific, Model 425 (Na, K, Ca)	Sherwood Scientific Ltd. is a UK-based manufacturer or equivalent		
3	UV Double Beam Spectrophotometer	Double Beam UV Visible Spectrophotometer, SP-IUV8, SP-IUV9	bioevokeak or equivalent		
4	Binocular Microscope	Infinity Plan Achromatic Objectives 4X, 10X, 40X, 100X			
5	Gerber Centrifuge	Mild Steel Dairy Centrifuge 12 Gerber Testing Machine, 230 V			
6	Milk butyrometer	Made of borosilicate glass, plain neck or ring neck, closed bulb with a frosted label, without stopper			
7	Lock Stoppers key For Milk Butyrometer	Silver Chrome Stainless Steel Key, Lever Type, Size: 4 Inch (h)			
8	Butyrometer Lock Stopper				
9	Bacteriological Lab Incubator	5 degree Celsius above ambient - 60 degree Celsius, Capacity 100liters			
10	Milk Analyzer	Milk Analyzer, MA-P1	bioevokeak or equivalent		

11	Double-ring infiltrometer	(inner ring: 30 cm dia, outer ring: 60 cm dia)			
12	Kjeldahl Aluminium Alloy Digester	KJD-E20 (Number of sample holes: 20; Digestion tubecapacity 300ml; designed temp 450oC	Infitek or equivalent		
13	Automatic Kjeldahl Analuzer	KJA-9860 (Measurung range:0.1-240mg N;RSD<0.5%, Recovery:> 99.5% ; Titration function: YES,Display mode:5.6' color toch screen			
14	plastic Transparent conical flask	1000ml			
15	plastic Transparent conical flask	250ml			
16	Soil Glass Hydrometers	for Soil texture			
17	Lab Drying Rack	Material : Polypropylene , Product Dimension: 5"D x22"W x28"H			
18	Long Straw Brush (Test tube cleaning brush)	Long Straw Brush, Nylon Pipe Tube Cleaner 8.2-ihch 10 Different Diameters Set of 10			
19	HNDPTC Hot Hand Protector	Silicone Rubber			
20	HEAT REFLECTIVE GLOVES FOR SAFE AND COOL HANDS	SpecxArmor® Graywolf® Kevlar Aluminized Heat Resistant Welding Glove/Large/1472°F Fire Gloves Kevlar Gloves High Heat Foundry glove			
21	Silicone Pipe	white, 9.5 mm Soft Silicone Tubing			

22	Silicone Vacuum Tubing Hose Black	1" (25mm) ID x 1-1/4" OD Silicone Vacuum Tubing Hose Black High Temperature Food Grade Pure Silicon Tube Air Hose Water Pipe for Pump			
23	Polypropylene Funnel,	100mm (170mm Length), 75mm (130mm), 50mm (90mm) & 40mm (70mm) Diameter	polypropylene or equivalent		
24	Hand-held plankton sampling net				
25	Cast net	High-density monofilament mesh Zinc-plated steel weights (1.25 lbs per radius foot) 1/2" mesh size 8ft radius 100-lb test braided handline Anodized aluminum horn Double-knotted construction Heavy-duty brass swivel.			
26	Field bag	Heavy-duty 1000D waterproof PVC/Nylon 45L capacity Reinforced molded waterproof base YKK corrosion-resistant zippers Padded ergonomic backpack straps Internal mesh organizers & wet/dry compartments Dual rod/tool holders Industrial-grade UTX buckles.			

27	Wader	Heavy-duty 3.5mm neoprene 100% waterproof vulcanized rubber boots with 200g Thinsulate insulation Heavy-duty cleated slip-resistant soles Reinforced knee pads Adjustable web suspenders Front utility pocket Included nylon wading belt.			
28	Electro shocker	400W cont./47,000W peak; 50–1,200V; 0–1,000Hz; 0–100% duty; 40A peak/4A cont.; Smooth/Pulsed/Burst DC (12 slots); 40% operational limit; Auto-reset overload protection; Audio/Visual indicators & LCD telemetry; 0–999,999s timer; 0–40°C operating temp; NEMA 4/IP65 case; Tilt/Immersion/Pole safety sensors & E-stop; 24V Lithium/Lead-Acid battery; 27.5x14.5x14.5"; 20.35 lbs.	Apex or equivalent		
29	Filter Paper	cat No 1001-917(460mmx570mm,100/sheets)			
30	Bottle-top burette	Digital burette Titrette 25 ml	Tarsons or equivalent		
31	Bottle Top Dispenser	10 ml			
32	Bottle Top Dispenser	25 ml			

BOQ for the supply of Chemical & Reagent Requirement for 2026-2027

sl no	Name of Chemical & Reagent	Price	Amount
1	Sodium Hexametaphosphate		
2	Calcium Hydroxide		
3	BAP 6-Benzylaminopurine		
4	IBA Indole-3-butyric acid.		
5	ABA Abscisic Acid.		
6	D-(+) Maltose monohydrate		
7	Potassium Metabisulphite		
8	Sodium acetate anhydrous		
9	Potassium nitrate		
10	Magnesium sulfate heptaydrate		
11	Ammonium sulfate		
12	Zinc Sulphate Heptathydrate		
13	Calcium Sulphate Dried		
14	Gallic Acid		
15	Albumin Bovine		
16	Potassium nitrite		
17	Sodium hydrogen carbonate		
18	Formaldehyde		
19	Sodium chloride		
20	Liquid paraffin		
21	White bee wax		
22	Borax		
23	Methyl paraben (preservative)		
24	Phenolphthalein indicator		
25	potassium acid phthalate		
26	Sodium hydroxide		
27	Calcium carbide,		
28	Lactic acid		
29	Peptone water		
30	Potato Dextrose Agar (PDA)		
31	Nutrient agar		
32	Plate Count Agar (PCA)		
33	Boric acid		
34	Sulfuric acid		
35	Sodium Hydroxide		
36	phenolphthalein indicator		
37	Methyl paraben		
38	Liquid paraffin		
39	Chloroform		
40	pH Buffer 12.01		

41	sodium nitrite		
42	acetic acid		
43	Folin-Ciocalteu		
44	sodium carbonate		
45	ferric chloride		
46	Ninhydrin		
47	isopropyl alcohol		
48	ammonia solution		
49	chloroform		
50	alcoholic α -naphthol		
51	Ethonal		
52	Hexane		
53	Ammonium Acetate		
54	MetaPhosphoric acid		
55	Gram Staining kit		
56	Lanthanum chloride		
57	iso-Amyl alcohol		
58	Potassium iodide		
59	Potassium Sulphate		
60	Cupric Sulphate		
61	Methyl Red		
62	Bromocresol Green		
63	0.1 N Hydrochloric Acid		
64	Dextrose powder		
65	fructose powder		
66	sucrose powder		
67	Ethyl acetate		
68	Phenol (C ₆ H ₅ OH)		
69	potassium permanganate		
70	bleaching solution		
71	citric acid	Food Grade	
72	camphor tablets		