

TECHNICAL SPECIFICATION

Supply and Delivery of Water Quality Testing Laboratory Equipments- The contractor will supply the laboratory equipments as specified in the table below.

- 26 Numbers of equipment or set, each set should be able to measure all the parameters.
- Reagents shall be provided for 365 tests each parameter for each equipment
- Calibration Solution shall be provided for one year for each equipment (where required)

Parameters/ equipments	Reagents	Brand	Model	Quantity	Bidders compliance to the specs (Y/N)	Details of Any Alternatives	Remark
Acidity (Ph)	Minimum Range -2 pH, minimum Accuracy 0.1 pH						
Electrical Conductivity (micro-siemen/cm)	Minimum Range 0.0, minimum Accuracy 0.1						
Turbidity (NTU)	Minimum Range 0 FNU , minimum Accuracy 0.01 FNU						
Chlorine (Cl)	Minimum Range 0-0.90 mg/l, minimum Accuracy +/-2 mg/l						
Coliform Test -Thermos Tolerant (Fecal)	Basic Incubator in Case						
	Sterile Pasteur Pipettes (3ml) x 10						
	• Filter Funnel						
	• Aluminium Gasket						
	• Bronze Discs x 2						
	• 3 Sets of 16 Petri Dishes						
	• O-rings x 2						
	• Silicone Rings x 2						
	• Vacuum Pump and Cup						
	• Sample Cup						
	• Fuse						
	• Lanyard						
	• Recalibration Incubator Lid						
	• Incubator Lid Without Hole						
	• Digital timer						
	• Handheld Magnifier						
	• Comparator (Chlorine & pH)						
	• Polypropylene Bottles x 10						
	• Methanol Dispenser						
	• Tweezers						
• Lubrication Grease							
• Spirit thermometer (-10 to +50°C)							
• Trimmer Tool							
• Turbidity Tube							
• Instruction manual in English							
• External battery power lead							
• Battery charger with 2-pin plug							

	<ul style="list-style-type: none"> • Consumables Pack for 200 Plates Including: • Membrane Filters and Pads (x 200) • Pad Dispenser • Culture Medium sufficient for the number of tests. • DPD No.1 Tablets (x250) • DPD No.3 Tablets (x250) • Phenol Red Tablets (x250) 						
Electric sterilizer	<ul style="list-style-type: none"> • Capacity of 10 liters or slightly higher • Sturdy, Safe, Rust proof, Portable • Suitable for high pressure steam sterilization of medical materials. • Equipped with steam release/ control valve • heat resistant handles • Lid Sealing by high pressure rubber gasket • Pressure Gauge to display sterilization • Equipped with Safety Pressure release weight valve • Electric, 220-240v/50Hz, single phase 						
Small refrigerator	<ul style="list-style-type: none"> • Volume – 100L (80L Refrigerator compartment with temperature between 1-5 °C). Freezer compartment optional. • Electric, 220-240v/50Hz, single phase 						
Sampling Bottles	<ul style="list-style-type: none"> • Borosilicate Glass (250ml blue cap) • Polyethylene Bottles (250 ml) White color 						

Refer to Tender document Technical Specification Part c.

Delivered Materials fulfill the technical Specifications

Name:

Company:

Date:

Sign: