

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						
Temperature °C	Minimum Range 0, minimum Accuracy 0.1 deg C						
Electrical Conductivity (micro-siemen/cm)	Minimum Range 0.0, minimum Accuracy 0.1						
Salinity (%)	Minimum Range 0, minimum Accuracy 0.01						
Total dissolved solids, TDS (mg/l)	Minimum Range 0 minimum Accuracy 0.01						
Sulphate	Minimum Range 2, minimum Accuracy +/-2 nm for DR1900						
Total Hardness (Hd)	Minimum Range 3 mg/l, minimum Accuracy +/-2 nm for DR1900						
Chlorine (Cl)							
Nitrate/Nitrite (N)	Minimum Range 0-0.90 mg/l, minimum Accuracy +/-2 mg/l						
Lead (Pb)	Minimum Range 5 µg/L Pb, minimum Accuracy +/-2 nm for DR1900						
Copper (Cu) and Iron (Fe)	Minimum Range 0.04 mg/L Cu, 0.02 mg/L Fe 3 mg/l, minimum Accuracy +/-2 nm for DR1900						
Phosphate	Minimum Range 0.06 mg/L PO4 <sup>3-</sup> , minimum Accuracy +/-2 nm for DR1900						
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							
• 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	• 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						
Small refrigerator	• Pressure Gauge to display sterilization						
	• Equipped with Safety Pressure release weight valve						
	• Electric, 220-240v/50Hz, single phase						
Sampling Bottles	• Volume – 100L (80L Refrigerator compartment with temperature between 1-5 °C). Freezer compartment optional.						
	• Electric, 220-240v/50Hz, single phase						
	• 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: