

LITB-
Laboratory Equipment, Apparatus & Tests

Type	Item	Description	UoM	Unit Price
Lab Equipment	1	Ultra Sonic Cleaning Bath * Laboratory Model about 15 liter capacity, 316 L Stainless steel construction, 300 watt output power ultrasonic generator * With variable speed and temperature control * Tank Provide with full line and drain * All accessories needed	Ea	
	2	Water Bath * Complete with removable perforated shelf (6 positions). * Constant level device fitted with element safety cut off. * All accessories needed	Ea	
	3	Oil & Grease Testing Equipment * To measure trace oil in water with built in extractor * Measuring range 0-200 mg/l * Resolution 0-99.9 mg/l accuracy 0.01 mg/l digital display * Solvent reclamation system for the above * All accessories needed	Ea	
	4	Complete COD analysis equipment * Dry thermostat - Heating programmed for 40 , 100 , 148 Degree Celcius. * All accessories needed	Ea	
	5	Complete BOD analysis equipment * BOD incubator, temperatue control at 20 degree Celcius * Capacity for 100 bottles * BOD measuring device * All accessories needed	Ea	
	6	Complete Filtration System for TSS * Stainless Seel Filter * 1000 ml suction flask * Rubber tubing * Vaccum pump * Suction apparatus assembly * Includes: Tower , base, stainless steel support, screen, teflon gasket, calmp and silicon stopper, kimble, flasks * All accessories needed	Ea	
	7	pH meter * Which can measure conductivity, salinity and total disolved solids * Measuring range 0-14 pH * Accuracy 0.01 pH * Provided with printer * Necessary electrodes, electrolytes and calibration solutions and other accessories * All accessories needed	Ea	
	8	Redox meter * All accessories needed	Ea	
	9	Spectrophotometer * Laboratory model complete set for accurate colorimetric determination. * Photometric accuracy : ± 0.003 Abs * Photometric measuring range : 0-3 Abs * Reproducibility : ± 0.005 Abs (0-1 A) * Wavelength range : 340-800 nm * Wavelength accuravy : ± 2 nm * Wavelength calibration : Automatic * Variable speed Blender: - 1 or 2 liter capacity with variable speed controller * All accessories needed	Ea	
	10	Incubator culture for microbiology * Culture incubator for routine incubation * Small working load for tubes and Petri dishes for coli form and other pathogen incubation, temper controller in the range of 5 to 80° C with uniformity 0.25 ° C. * Membrane Filter cellulose Nitrate * Bunse Burner * All Accessories needed	Ea	

11	Complete Filtration system for Microbiology test with all accessories needed	Ea	
12	Refrigerator spark free for sample storage	Ea	
13	Imhoff Cone (1 Liter) with screw closure made of transparent polycarbonate, fully autoclavable * Brush for Imhoff Cone * Imhoff Cone Support (Holds up to 2 glass or plastic cones)	Ea	
14	Color comparator * For field test - chlorine and Amm-N with necessary accessories	Ea	
15	TKN Digesdahl HACH digestion distillation apparatus	Ea	
16	Analytical electro mechanical weighting machine up to 210 g	Ea	
17	Microscope- eyepiece tube binocular (40x-100x)	Ea	
18	Oxygen micro processor meter	Ea	
19	Magnetic heating sterile	Ea	
20	Suspended solids meter (Portable type)	Ea	
21	Forced draft oven up to 220 °C	Ea	
22	Muffle oven up to 1100 °C	Ea	
23	Digital Titrator * Accuracy $\pm 1\%$ * Delivery : 0.00125 ml/digit or 800 digits/ml * Digital titrator includes a carrying case and 5 delivery tubes	Ea	
24	Pipette, Tensette * Range : 0-10 ml in 1 ml increments	Ea	
25	Water Distillator * Stainless Steel with barisilicate glass condenser with PEHD distilled water tank	Ea	
26	Centrifuge 6 tube holder * 220v - 230 v / 50-60 Hz / 1500 -3000 rpm	Ea	
27	Fume Cupboard Equiped with aspirator	Ea	
28	Stirring bars, teflon coated , different sizes	Ea	
29	Graduated cylinder 10ml	Ea	
30	Graduated cylinder 25ml	Ea	
31	Graduated cylinder 50ml	Ea	
32	Graduated cylinder 100ml	Ea	
33	Graduated cylinder 250ml	Ea	
34	Graduated cylinder 500ml	Ea	
35	Graduated cylinder 1000ml	Ea	
36	Spatula spoon	Ea	
37	Spatula cutaway	Ea	
38	Burette stand	Ea	
39	Burette clamp	Ea	
40	Clamp	Ea	
41	Bushead	Ea	
42	Beaker 50ml	Ea	
43	Beaker 100ml	Ea	
44	Beaker 250ml	Ea	
45	Beaker 500ml	Ea	
46	Beaker 1000ml	Ea	
47	Erlenmeyer flask 100ml	Ea	
48	Erlenmeyer flask 250ml	Ea	
49	Erlenmeyer flask 500ml	Ea	
50	Volumetric flask 100ml	Ea	
51	Volumetric flask 250ml	Ea	
52	Volumetric flask 500ml	Ea	
53	Volumetric flask 1000ml	Ea	
54	Funnel glass 7.5cm	Ea	
55	Funnel glass 10cm	Ea	
56	Funnel glass 15cm	Ea	

Lab Glass Wares & Accesso

57	Washing bottle 500ml	Ea	
58	Mercuric thremometer 250C'	Ea	
59	Pipette filler	Ea	
60	Burette 25ml	Ea	
61	Burette 50ml	Ea	
62	Burette graduated 100ml	Ea	
63	Pipette graduated 1ml	Ea	
64	Pipette graduated 2ml	Ea	
65	Pipette graduated 5ml	Ea	
66	Pipette graduated 10ml	Ea	
67	Pipette graduated 25ml	Ea	
68	Distillation set assembly includes: 1 round heater 220V - 230V 1 glass ballon quickfit 500ml 1 borosilicate condenser quickfit 2 adapters 1 receiver 250ml	Ea	
69	Watch glass 5cm	Ea	
70	Watch glass 7.5cm	Ea	
71	Watch glass 10cm	Ea	
72	Volumetric pipette 50ml	Ea	
73	Volumetric pipette 25ml	Ea	
74	Graduated pipette 50ml	Ea	
75	Graduated pipette 100ml	Ea	
76	Glass rods kit	Ea	
77	Dissicator 15-40cm	Ea	
78	Silica gell	Ea	
79	Gloves latex box 100/pk	Ea	
80	Bruchers set 4 pieces	Ea	
81	Reagent bottles 500ml	Ea	
82	Suction kit complete	Ea	
83	Stop watch	Ea	
84	Test tubes 16cm	Ea	
85	Rack for test tube	Ea	
86	Timers	Ea	
87	Separating funnels 500ml	Ea	
88	Crusibles tong set	Ea	
89	Forceps tongs	Ea	
90	pH = 7 Buffer P.P. (Pcs)	Ea	
91	pH = 4 Buffer P.P. (Pcs)	Ea	
92	pH = 10 Buffer P.P. (Pcs)	Ea	
93	Sulfuric Acid L.R. (0.16 N) (Pcs)	Ea	
94	Bromo Cresol green for Alkalinity (Pcs)	Ea	
95	COD cuvette tests 0 - 1500 mg/l (Pcs)	Ea	
96	COD cuvette tests 15- 200 mg/l (Pcs)	Ea	
97	BOD - 5 Nutrient P.P. (Pcs)	Ea	
98	Lithium hydroxide P.P. (Pcs)	Ea	
99	Nitrogen HR reagent set	Ea	
100	Nitrogen LR reagent set	Ea	
101	Nitrate HR reagent set P.P. (Pcs)	Ea	
102	Nitrite LR reagent set P.P. (Pcs)	Ea	
103	Phosver 3 phosphate HR reagent set P.P. (Pcs)	Ea	
104	Phosver 3 phosphate LR reagent set P.P. (Pcs)	Ea	
105	Ammonia HR reagent P.P. (Pcs)	Ea	

Required Reagent

106	Ammonia LR reagent P.P. (Pcs)	Ea	
107	TOC Test "N" tube reagent set (Pcs)	Ea	
108	Detergent reagent P.P. (Pcs)	Ea	
109	Nitrification inhibitors (Pcs)	Ea	
110	Zinc reagent kit (zincover) (Pcs)	Ea	
111	Chromium hexavalent (chroma Ver 3) P.P. (Pcs)	Ea	
112	Nickel reagents kit (Pcs)	Ea	
113	Ferro ver; Iron reagent P.P. (Pcs)	Ea	
114	CuVer copper reagent P.P. (Pcs)	Ea	
115	Cyanide reagent set (Pcs)	Ea	
116	TOX-TRAC Reagent set (Pcs)	Ea	
117	TANNIN & LIGNIN Reagent set (Unit)	Ea	
118	HCL 36 % (Liters)	Liter	
119	H2SO4 98 % AR (Liters)	Liter	
120	ETHANOL 96 % (Liters)	Liter	
121	n- HEXANE 98 % AR (Liter)	Liter	
122	Acetone 98 % (Liter)	Liter	
123	Glass filter membrane (Pcs) φ 47 m.m / mm	Ea	
124	Silica Gel (Kgs)	Kg	
125	Sodium hydroxide (Pellets) (gram)	Gram	
126	Petri Dish 60 MM	Box	
127	Agar MF	Gram	
128	Agar	Gram	
129	Free Chlorine Test	100 pk / Box	