

River Restoration: Alleviating the quality and quantity of life on Freshwater ecosystem

MAINTENANCE AND OTHER EXPENSES (MOOE)

Item	Unit of Issue	Item Description	Quantity	Estimated Unit Cost	Estimated Cost
Physical Assessment					
1	Unit	pH Meter	1	2,500	2,500
2	L	Premium Gasoline (Grasscutter)	20	60	1,200
3	unit	Bush cutter	3	3,000.00	9,000.00
Microplastic Assessment					
4	Unit	LABALPHA 200 Mesh Lab Sieves, Test Sieve #200 Mesh, 4" Diameter, 304 Stainless Steel Wire Cloth (0.075mm)	1	1,650	1,650
5	Unit	Digital Professional Trinocular Stereo Zoom Microscope WF20X Eyepieces	1	25,000	25,000
6	L	Hydrogen peroxide solution (30% concentration) (500mL) Sigmaandrich**	1	11,000	11,000
Chemical Parameters (Lab Tests)					
7	Lab test	Ammonia	9	440	3,960
8	Lab test	Phosphate	9	600	5,400
9	Lab test	Total Dissolved Solids	9	400	3,600
10	Lab test	Color	9	250	2,250
11	Lab test	Turbidity	9	220	1,980
12	Lab test	Arsenic	9	850	7,650

13	Lab test	Cadmium	9	850	7,650
14	Lab test	Lead	9	850	7,650
15	Lab test	Mercury	9	670	6,030
16	Lab test	Copper	9	850	7,650
17	Lab test	Oil and Grease	9	660	5,940
18	Lab test	Total Coliform	9	900	8,100
19	Lab test	Heterotrophic Plate Count	9	400	3,600
20	Lab test	Thermotolerant/ E. coli	9	1050	9,450
21	Lab test	Dissolved Oxygen	9	300	2,700
22	Lab test	Biological Oxygen Demand	9	750	6,750
23	Lab test	Free Cyanide	9	850	7,650
24	Lab test	Surfactants	9	800	7,200
25	Lab test	Metal Preparation	9	250	2,250
Briquettes Derived from Congo Grass Parameters					
26	Lab test	Proximate analysis	3	1,990	5,970
27	Lab test	Ash	3	840	2,520
28	Lab test	Moisture	3	450	1,350
29	Lab test	Volatile Combustible Matter	3	700	2,100
30	Lab test	Fixed Carbon	3	1,990	5,970
31	Lab test	Heat Value	3	1,500	4,500
				TOTAL	180,220.00 PHP