

## 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
<b>Physical Assessment</b>					
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
<b>Microplastic Assessment</b>					
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	9,000	9,000
6	L	Hydrogen peroxide solution (30% concentration) (500mL) Sigmaandrich**	1	11,000	11,000
<b>Chemical Parameters (Lab Tests)</b>					
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
<b>Briquettes Derived from Cogon Grass Parameters</b>					
26	Lab test	Proximate analysis	3	1,990	5,970
27	Lab test	Ash	3	840	2,520
28	Lab test	Moisture	<b>3</b>	450	1,350
29	Lab test	Volatile Combustible Matter	<b>3</b>	700	2,100
30	Lab test	Fixed Carbon	<b>3</b>	1,990	5,970
31	Lab test	Heat Value	<b>3</b>	1,500	4,500
32	Lab test	Calorific value	3	1,500	4,500

33	Unit	Furnace	3	1,500	4,500
34	Unit	Briquette Press	3	1,000	3,000
35	kg	Cassva starch binder	4	100	400