

Estimated Budget

Component	Major Requirements	Description and specification of requirements	Qty	Unit cost (Le)	Total Cost (Le)	Total Cost (USD)
Component I –Household baseline survey on Utilization indigenous vegetable crops, sourcing, collection and `identification in Sierra Leone						
a) Baseline surveying	Vehicles and motor bikes for local travel during baseline survey on indigenous vegetable Germplasm resources in the country	Hiring of vehicles for 10 days	3	3,500,000 x 10d	105,000,000	5,147.06
		Purchase of fuel for 3 vehicles	100 L	30,000 x 10d	90,000,000	4,411.76
		Motor bikes rental per day	5	200,000 x 5d	5,000,000.00	245.09
	Enumerators for baseline survey on indigenous vegetable utilization and Germplasm resources collection.	Hiring of enumerators for 10 days	8	408,000 x 10d	32,640,000.00	1,600.00
	Preparation of 1,200 copies of survey questionnaires	Printer toner cartridge (Cannon)	2	1,000,000.00	2,000,000.00	98.03
		Rims of paper	10	100,000	1,000,000	49.02
		GPS (Garmin hand held- Montana 680)	2	11, 322,00.00	22,644,000.00	1,110.00
SUBTOTAL 1 =					260,922,936.00	12,660.96
Component II – Evaluation of Nutritive values of indigenous vegetables						
a) Laboratory analysis of	Determination of essential elements in indigenous vegetable species collected	Fee for laboratory analysis of nutritive properties of indigenous vegetables	Bulk fee	169,320,000.00	169,320,000.00	8,300.00
	SUBTOTAL 2 =				204,000,000.00	8,300.00
Component III – Field domestication of indigenous vegetable species with essential nutritive and conservation values						
Establishment of seedling nursery (1 acre)	Land clearing and preparation (100m ²)	Labour (man-day)	3	50,000	150,000.00	7.35
	Nursery site layout and construction	Services of skilled personnel (man-days)	2	300,000.00	600,000.00	29.41
		Set of materials (sticks, timber, nails)	-	1,000,000.00	1,000,000.00	49.02
	Construction of nursery facility (100m ² fenced nursery area)	Pest proof wire mesh (bundle)	5	1,600,000.0	8,000,000.00	392.16
		GI pipes (Length)	18	250,000.00	4,500,000.00	220.10
		GI wire (bundle)	15	1,500,000.99	22,500,000.00	1,102.94
		Cement (bag)	10	165,000	1,650,000.00	80.88

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		Sand (trip)	4	700,000.00	2,800,000.00	137.25
b) Field trial establishment	Land clearing and preparation (1 hectare)	Labour (man-day)	20	50,000.00	1,000,000.00	49.01
		Supervision (man-day)	1	200,000.00	200,000.00	9.80
	Experimental design lay outing and conduct of trial	Service of technical personnel for 1 month	1	65,000.00	1,950,000.00	95.59
Procurement and installation of drip irrigation system (1 hectare of land)	Water source – borehole	Intended site already has a borehole	-	-	-	-
	Water Pump	Grundfos submersible pumps, pump controller, and all necessary accessories	1	38,760,000.00	38,760,000.00	1,900.00
	Pump accessories	DAB control, cables, suction pipes	1	18,360,000.00	18,360,000.00	900.00
	Transmission pipes	HDPE OD 25mm	300m	61,200	18,360,000	900.00
		HDPE 25mm fittings and accessories including couplers, elbow, tank connections, etc.	1	20,400.00	20,400.00	100.00
Storage and tower	Water tank	1000L PE tank raised at 10 m	1	61,200,00.00	61,200,000.00	3000.00
	Tower (10m high) made from reinforced concrete	Sand (trip)	5	700,000	3,500,000	171.57
		Cement (bag)	20	165,000	3,300,000	161.76
		Set of materials (sticks, timber, nails)	-	1,000,000	1,000,000	49.02
	Water distribution pipe system	Main line (HDPE OD 32mm, NP6)	100m	3.00		300.00
		Sub-main (HDPE OD 32mm, NP^)	110m	3.00		330.00
		Drip lines (16mm HDPE pipe, NP6)	7,000m	1.40		9,800.00
		Drip system accessories (drip system fittings: end cap, adaptors, etc.	1	70.00		70.00
		Plumbing accessories (GI long screw, back nut, glove valve, nipples, unions,	1	12,240,000.00		600.00

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		HDPE elbow, etc.				
Human resource	Technical personnel	Service of technical personnel for installation of irrigation system	1	6,500,000		318.62
	Semi-skilled and unskilled labour	Labour to carryout agronomic practices in the domesticated field for 3 months	3	40,000 x 3 x 90 d	10,800,000.00	529.42
Sub-total III =						21790.38
Component IV - Development and production of training guidelines and manuals on indigenous vegetable species with high nutritive and conservation values						
Development and production of training guidelines and manuals	Computer resources	Internet services	-	-	600,000	29.41
	Stationery for printing 100 manuals.	Rims of paper	15	100,000	1,500,000	73.53
		Printer toner cartridge (Cannon)	3	1,000,000	3,000,000	147.06
		Binding of copies (Spiral)	100	40,000	4,000,000	196.07
	Production manual validation workshop	Stationeries, physical materials, food and drink, hall rental fee	1	2,500,000	2,500,000	122.55
Dissemination of research results	Publication of research findings in a renowned journal	Journal publication fee	1	10,200,000.00	10,200,000.00	500.00
Capacity building	Post graduate (M.Phil.) student research support.	Part support to research conduct	1	20,400,000.00	20,400,000.00	1000.00
Sub-total IV						2068.62

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Budget Summary

Project Component	Cost (Leones)	Cost (USD)	Source
Component One: Household baseline survey on utilization of traditional vegetable crops utilization in Sierra Leone	258,271,344.00	12,660.36	Donor request
Component Two: Laboratory analysis of nutritive properties in indigenous vegetables	169,320,000.00	8300.00	Donor request
Component Three: Field domestication of indigenous vegetable species	444,523,752.00	21790.38	Donor request
Component Four: Development and production of training manuals on indigenous vegetable species with high nutritive; capacity building	42,199,848.00	2068.62	Donor request
Miscellaneous	3,685,056.00	180.64	Donor request
GRAND TOTAL:	918,000,000.00	45,000.00	

Note: The estimated budget for the ‘Evaluation of Indigenous Vegetable Species Potential as Alternative to Tackle Malnutrition and food insecurity situations at Rural Household in Sierra Leone’ stands at Forty-five Thousand United States Dollars (USD 45,000). The exchange rate as at October 25, 2023, is Twenty Thousand Four Hundred Leones (Le 20,400) to One United States Dollar (USD 1.00).