

BQ FOR FLLOCCA FOR DRIP SYSTEM PURCHASE AND INSTALLATION ,FARM TOOLS , INPUTS (0.5 ACRE)					
BIRIKANI MICRO IRRIGATION DEMO – MWABILA – MWAVUMBO WARD- KINANGO SUB COUNTY					
	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
A	PURCHASE AND INSTALLATION DRIP SYSTEM ASSEMBLY				
1	HDPE pipe pn8 50 mm	100M	1		
2	HDPE pipe pn8 40mm	100M	1		
3	Reducer HDPE 50mm x 40mm	pcs	2		
4	Tee HDPE 40mm	pcs	5		
5	Ball cork HDPE 40mm	pcs	5		
6	End cups HDPE 40mm	pcs	5		
7	Ball cork HDPE 50mm	pcs	1		
8	Tee HDPE 50mm	pcs	2		
9	Elbow HDPE 50mm	pcs	7		
10	Elbow HDPE 40mm	pcs	3		
11	Female adaptor HDPE 50 mm	pcs	1		
12	Coupling connector 50 mm	pcs	1		
13	Gromet connectors 16 mm adjustable	pcs	125		
14	Rubber connectors 16mm	pcs	125		
15	End cups/connectors 16mm	pcs	125		
16	Double connectrs/mid 16mm	pcs	50		
17	Drip tapes ,30cm spacing, 0.4 thickness, 16mm (1000m roll)	Rolls	3		
18	Hand drill 16 mm diameter(big)	pcs	1		
19	Plastic tank 5,000 litres and tank connector complete of diameter 50mm	pcs	1		
20	Thread seal big	Dozen	1		
	Sub total				
	Add 30 % labor				
	TOTAL				
B	CONSTRUCTION OF TANK STAND				
1	Add construction of water tank stand base structure 2m high as specified by engineer.				
	Sub total				
C	CONSTRUCTION OF A DOUBLE DOOR PIT LATRINS				
1	Construction of a double door pit latrines, excavating to 15 feet deep, 2m long x 2m wide, lined with masonry works to above depth, a concrete slab , block walls, iron sheet ,fix 2 timber doors as directed by public works engineer for designs and drawings	l/s	l/s		
	Sub total				
	Add 30% labor				
	Total				
	A+B+C = TOTAL				
	Add provision for capacity building	l/sum	l/sum	l/sum	200,000
	Sub total				
	Add 10% contingencies				
	Add 0.03% PPRA Capacity Building Levy				

	Add 16 % VAT				
	GRAND TOTAL KSH.				

BQ FOR FLLOCCA FOR DRIP SYSTEM PURCHASE AND INSTALLATION ,FARM TOOLS ,INPUTS (0.5 ACRE)					
SAGALATO MICRO IRRIGATION DEMO – YAPHA , KIBANDAONGO – KINANGO WARD- KINANGO SUB COUNTY					
	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
A	PURCHASE AND INSTALLATION DRIP SYSTEM ASSEMBLY				
1	HDPE pipe pn8 50 mm	100M	1		
2	HDPE pipe pn8 40mm	100M	1		
3	Reducer HDPE 50mm x 40mm	pcs	2		
4	Tee HDPE 40mm	pcs	5		
5	Ball cork HDPE 40mm	pcs	5		
6	End cups HDPE 40mm	pcs	5		
7	Ball cork HDPE 50mm	pcs	1		
8	Tee HDPE 50mm	pcs	2		
9	Elbow HDPE 50mm	pcs	7		
10	Elbow HDPE 40mm	pcs	3		
11	Female adaptor HDPE 50 mm	pcs	1		
12	Coupling connector 50 mm	pcs	1		
13	Gromet connectors 16 mm adjustable	pcs	125		
14	Rubber connectors 16mm	pcs	125		
15	End cups/connectors 16mm	pcs	125		
16	Double connectrs/mid 16mm	pcs	50		
17	Drip tapes ,30cm spacing, 0.4 thickness, 16mm (1000m roll)	Rolls	3		
18	Hand drill 16 mm diameter(big)	pcs	1		
19	Plastic tank 5,000 litres and tank connector complete of diameter 50mm	pcs	1		
20	Thread seal big	Dozen	1		
	Sub total				
	Add 30 % labor				
	TOTAL				
B	CONSTRUCTION OF TANK STAND				
1	Add construction of water tank stand base structure 2m high as specified by engineer.				
	Sub total				
C	CONSTRUCTION OF A DOUBLE DOOR PIT LATRINS				
1	Construction of a double door pit latrines, excavating to 15 feet deep, 2m long x 2m wide, lined with masonry works to above depth, a concrete slab , block walls, iron sheet ,fix 2 timber doors as directed by public works engineer for designs and drawings	l/s	l/s		
	Sub total				
	Add 30% labor				

	Total				
	A+B+C = TOTAL				
	Add provision for capacity building	l/sum	l/sum	l/sum	200,000
	Sub total				
	Add 10% contingencies				
	Add 0.03% PPRA Capacity Building Levy				
	Add 16 % VAT				
	GRAND TOTAL KSH.				

BQ FOR FLLOCCA FOR DRIP SYSTEM PURCHASE AND INSTALLATION ,FARM TOOLS , INPUTS (0.5 ACRE)					
MABOGI MICRO IRRIGATION DEMO – NDAUNI B – NDAVAYA WARD- KINANGO SUB COUNTY					
	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
A	PURCHASE AND INSTALLATION DRIP SYSTEM ASSEMBLY				
1	HDPE pipe pn8 50 mm	100M	1		
2	HDPE pipe pn8 40mm	100M	1		
3	Reducer HDPE 50mm x 40mm	pcs	2		
4	Tee HDPE 40mm	pcs	5		
5	Ball cork HDPE 40mm	pcs	5		
6	End cups HDPE 40mm	pcs	5		
7	Ball cork HDPE 50mm	pcs	1		
8	Tee HDPE 50mm	pcs	2		
9	Elbow HDPE 50mm	pcs	7		
10	Elbow HDPE 40mm	pcs	3		
11	Female adaptor HDPE 50 mm	pcs	1		
12	Coupling connector 50 mm	pcs	1		
13	Gromet connectors 16 mm adjustable	pcs	125		
14	Rubber connectors 16mm	pcs	125		
15	End cups/connectors 16mm	pcs	125		
16	Double connectrs/mid 16mm	pcs	50		
17	Drip tapes ,30cm spacing, 0.4 thickness, 16mm (1000m roll)	Rolls	3		
18	Hand drill 16 mm diameter(big)	pcs	1		
19	Plastic tank 5,000 litres and tank connector complete of diameter 50mm	pcs	1		
20	Thread seal big	Dozen	1		
	Sub total				
	Add 30 % labor				
	TOTAL				
B	CONSTRUCTION OF STAND TANK BASE SRUCTURE				
1	Add construction of water tank stand base structure 2m high as specified by engineer.				
	Sub total				
B	CONSTRUCTION OF A DOUBLE DOOR PIT LATRINS				
1	Construction of a double door pit latrines, excavating to 15 feet deep, 2m long x 2m	l/s	l/s		

	wide, lined with masonry works to above depth, a concrete slab , block walls, iron sheet ,fix 2 timber doors as directed by public works engineer for designs and drawings				
	Sub total				
	Add 30% labor				
	Total				
	A+B+C = TOTAL				
	Add provision for capacity building	l/sum	l/sum	l/sum	200,000
	Sub total				
	Add 10% contingencies				
	Add 0.03% PPRA Capacity Building Levy				
	Add 16 % VAT				
	GRAND TOTAL KSH.				

BQ FOR FLLOCCA FOR DRIP SYSTEM PURCHASE AND INSTALLATION ,FARM TOOLS , INPUTS (0.5 ACRE)					
SIMANYA MICRO IRRIGATION DEMO – SIMANYA – KUBO SOUTH WARD- MATUGA SUB COUNTY					
	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
A	PURCHASE AND INSTALLATION DRIP SYSTEM ASSEMBLY				
1	HDPE pipe pn8 50 mm	100M	1		
2	HDPE pipe pn8 40mm	100M	1		
3	Reducer HDPE 50mm x 40mm	pcs	2		
4	Tee HDPE 40mm	pcs	5		
5	Ball cork HDPE 40mm	pcs	5		
6	End cups HDPE 40mm	pcs	5		
7	Ball cork HDPE 50mm	pcs	1		
8	Tee HDPE 50mm	pcs	2		
9	Elbow HDPE 50mm	pcs	7		
10	Elbow HDPE 40mm	pcs	3		
11	Female adaptor HDPE 50 mm	pcs	1		
12	Coupling connector 50 mm	pcs	1		
13	Gromet connectors 16 mm adjustable	pcs	125		
14	Rubber connectors 16mm	pcs	125		
15	End cups/connectors 16mm	pcs	125		
16	Double connectrs/mid 16mm	pcs	50		
17	Drip tapes ,30cm spacing, 0.4 thickness,	Rolls	3		

	16mm (1000m roll)				
18	Hand drill 16 mm diameter(big)	pcs	1		
19	Plastic tank 5,000 litres and tank connector complete of diameter 50mm	pcs	1		
20	Thread seal big	Dozen	1		
	Sub total				
	Add 30 % labor				
	TOTAL				
B	CONSTRUCTION OF TANK STAND				
1	Add construction of water tank stand base structure 2m high as specified by engineer.				
	Sub total				
C	CONSTRUCTION OF A DOUBLE DOOR PIT LATRINS				
1	Construction of a double door pit latrines, excavating to 15 feet deep, 2m long x 2m wide, lined with masonry works to above depth, a concrete slab , block walls, iron sheet ,fix 2 timber doors as directed by public works engineer for designs and drawings	l/s	l/s		
	Sub total				
	Add 30% labor				
	Total				
	A+B+C = TOTAL				
	Add provision for capacity building	l/sum	l/sum	l/sum	200,000
	Sub total				
	Add 10% contingencies				
	Add 0.03% PPRA Capacity Building Levy				
	Add 16 % VAT				
	GRAND TOTAL KSH.				

BQ FOR FLLOCCA FOR DRIP SYSTEM PURCHASE AND INSTALLATION ,FARM TOOLS , INPUTS (0.5 ACRE)					
MGOLOKOLONI MICRO IRRIGATION DEMO – MZINJI B- TIRIBE – MKONGANI WARD- MATUGA SUB COUNTY					
	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
A	PURCHASE AND INSTALLATION DRIP SYSTEM ASSEMBLY				
1	HDPE pipe pn8 50 mm	100M	1		
2	HDPE pipe pn8 40mm	100M	1		
3	Reducer HDPE 50mm x 40mm	pcs	2		
4	Tee HDPE 40mm	pcs	5		
5	Ball cork HDPE 40mm	pcs	5		
6	End cups HDPE 40mm	pcs	5		

7	Ball cork HDPE 50mm	pcs	1		
8	Tee HDPE 50mm	pcs	2		
9	Elbow HDPE 50mm	pcs	7		
10	Elbow HDPE 40mm	pcs	3		
11	Female adaptor HDPE 50 mm	pcs	1		
12	Coupling connector 50 mm	pcs	1		
13	Gromet connectors 16 mm adjustable	pcs	125		
14	Rubber connectors 16mm	pcs	125		
15	End cups/connectors 16mm	pcs	125		
16	Double connectrs/mid 16mm	pcs	50		
17	Drip tapes ,30cm spacing, 0.4 thickness, 16mm (1000m roll)	Rolls	3		
18	Hand drill 16 mm diameter(big)	pcs	1		
19	Plastic tank 5,000 litres and tank connector complete of diameter 50mm	pcs	1		
20	Thread seal big	Dozen	1		
	Sub total				
	Add 30 % labor				
	TOTAL				
B	CONSTRUCTION OF TANK STAND				
1	Add construction of water tank stand base structure 2m high as specified by engineer.				
	Sub total				
C	CONSTRUCTION OF A DOUBLE DOOR PIT LATRINS				
1	Construction of a double door pit latrines, excavating to 15 feet deep, 2m long x 2m wide, lined with masonry works to above depth, a concrete slab , block walls, iron sheet ,fix 2 timber doors as directed by public works engineer for designs and drawings	l/s	l/s		
	Sub total				
	Add 30% labor				
	Total				
	A+B+C = TOTAL				
	Add provision for capacity building	l/sum	l/sum	l/sum	200,000
	Sub total				
	Add 10% contingencies				
	Add 0.03% PPRA Capacity Building Levy				
	Add 16 % VAT				
	GRAND TOTAL KSH.				

BQ FOR FLLOCCA FOR DRIP SYSTEM PURCHASE AND INSTALLATION ,FARM TOOLS ,INPUTS (0.5 ACRE)					
MLALO MICRO IRRIGATION DEMO – MLALO- SEGA VILLAGE UNITY – VANGA WARD- LUNGALUNGA SUB COUNTY					
	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
A	PURCHASE AND INSTALLATION DRIP SYSTEM ASSEMBLY				

1	HDPE pipe pn8 50 mm	100M	1		
2	HDPE pipe pn8 40mm	100M	1		
3	Reducer HDPE 50mm x 40mm	pcs	2		
4	Tee HDPE 40mm	pcs	5		
5	Ball cork HDPE 40mm	pcs	5		
6	End cups HDPE 40mm	pcs	5		
7	Ball cork HDPE 50mm	pcs	1		
8	Tee HDPE 50mm	pcs	2		
9	Elbow HDPE 50mm	pcs	7		
10	Elbow HDPE 40mm	pcs	3		
11	Female adaptor HDPE 50 mm	pcs	1		
12	Coupling connector 50 mm	pcs	1		
13	Gromet connectors 16 mm adjustable	pcs	125		
14	Rubber connectors 16mm	pcs	125		
15	End cups/connectors 16mm	pcs	125		
16	Double connectrs/mid 16mm	pcs	50		
17	Drip tapes ,30cm spacing, 0.4 thickness, 16mm (1000m roll)	Rolls	3		
18	Hand drill 16 mm diameter(big)	pcs	1		
19	Plastic tank 5,000 litres and tank connector complete of diameter 50mm	pcs	1		
20	Thread seal big	Dozen	1		
	Sub total				
	Add 30 % labor				
	TOTAL				
B	CONSTRUCTION OF TANK STAND				
1	Add construction of water tank stand base structure 2m high as specified by engineer.				
	Sub total				
C	CONSTRUCTION OF A DOUBLE DOOR PIT LATRINS				
1	Construction of a double door pit latrines, excavating to 15 feet deep, 2m long x 2m wide, lined with masonry works to above depth, a concrete slab , block walls, iron sheet ,fix 2 timber doors as directed by public works engineer for designs and drawings	l/s	l/s		
	Sub total				
	Add 30% labor				
	Total				
	A+B+C = TOTAL				
	Add provision for capacity building	l/sum	l/sum	l/sum	200,000
	Sub total				
	Add 10% contingencies				
	Add 0.03% PPRA Capacity Building Levy				
	Add 16 % VAT				
	GRAND TOTAL KSH.				

BQ FOR FLLOCCA FOR DRIP SYSTEM PURCHASE AND INSTALLATION ,FARM TOOLS ,INPUTS (1ACRE)					
MTAWA MICRO IRRIGATION DEMO-KINONDO – KINONDO WARD –MSAMBWENI SUB COUNTY					
	ITEM DESCRIPTION	UNIT	QTY	UNIT COST	AMOUNT
A	PURCHASE AND INSTALLATION DRIP SYSTEM ASSEMBLY				
1	HDPE pipe pn8 50 mm	M	100		
2	HDPE pipe pn8 40mm	M	200		
3	Reducer HDPE 50mm x 40mm	pcs	1		
4	Tee HDPE 40mm	pcs	4		
5	Ball cork HDPE 40mm	pcs	5		
6	End cups HDPE 40mm	pcs	5		
7	Ball cork HDPE 50mm	pcs	1		
8	Tee HDPE 50mm	pcs	1		
9	Elbow HDPE 50mm	pcs	2		
10	Coupling HDPE 40mm	pcs	1		
11	Elbow HDPE 40 mm	pcs	2		
12	Female adaptor HDPE 50 mm	pcs	1		
13	Gromet connectors 16 mm	pcs	150		
14	Rubber connectors 16mm	pcs	150		
15	End cups/connectors 16mm	pcs	150		
16	Double connectrs/mid 16mm	pcs	50		
17	Drip tapes ,30cm spacing, 0.4 thickness, 16mm (1000m roll)	Rolls	7		
18	Hand drill 16 mm diameter (big)	pcs	2		
19	Plastic tank 10,000 litres and tank connector complete of diameter 50mm	pcs	1		
	Sub total				
	Add 30% labour				
	Total				
B	PURCHASE AND INSTLLATION OF SOLAR PUMP				
1	Purchase and installation of Sumbmersible solar water pump assembly, discharge 62.5 l/min, flow rate of 3500l/hr, 70m pumping head , power 110 watts, 144 volts, diameter 1.25 inches (40 mm), solar panels (modules) of 550 watts each, with floater water abstraction system	l/sum	l/sum		
	Sub total				
C	FENCING				
1	Supply barbed wire of length based on the perimeter of the farm 1,340 m long (1 Acre farm area)	M	1,340		
2	Supply and install 120 no. treated timber poles for fencing using mass concrete and a gate as specified engineer , cost inclusive of all other remaining required materials for fencing	l/sum	l/suml		

	Sub total				
	Add 30% labour				
	Total				
C	CONSTRUCTION OF TANK STAND				
1	Add construction of water tank stand base structure 2m above the ground as specified by engineer.				
	Sub total				
D	PURCHASE AND DELIVERY OF FARM INPUTS AND TOOLS				
1	Pesticides systemic and broad spectrum 4 lts	lts	1		
2	Fungicides, preventive and curative ,systemic and broad spectrum 4kg/4 lts	Kg / lts	1		
3	Apron for nursery bed soil borne pests and disease control	125g	1		
4	Foliar feed fertilizer vegetative	lts	1		
	Foliar feed fertilizer flowering and fruiting	lts	1		
5	Knapsack sprayers 20 lts capacity	Item	1		
6	Wheel burrow	Item	1		
7	Mattocks	Item	2		
8	Spades	Item	4		
9	PPE kits	kit	1		
10	Watering cans plastic	Item	2		
11	Amaranthus dubios 250 gm pkt	pkt	1		
12	Kales ,(Mfalme F1/ Spina/ Tausi) 125 gm pkt	pkt	125		
13	Okra	kg	1		
	Tomato kilele F1 2500 seede	No	2,500		
16	Supply Basal fertilizer, DAP/ 18:46:0	50kg bg	1		
17	CAN top dressing fertilizer	50 kg bg	1		
	Sub total				
	A+B+C+D = TOTAL				
	Add provision for capacity building	l/sum	l/sum	l/sum	250,000
	Add 0.03% PPRA Capacity Building Levy				
	Sub total				
	Add 16 % VAT				
	GRAND TOTAL KSH.				