

## BOQ for the Works

KAMANYI AND NYANYA SUMPWELL WATER SUPPLY PROJECT					
Bill No. 1: PRELIMINARIES AND GENERAL ITEMS					
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S/No.	Description	Unit	Qty	Rate (Ksh)	Amount(Ksh)
A	<b><u>CONTRACTUAL REQUIREMENTS</u></b>				
i	Maintain Contractor's camps, facilities, plants, insurance, etc, include mobilization to site, and demobilization on completion of contract	Sum			
ii	Provide erect and maintain sign boards at the site of works as directed by the Project Engineer and inclusive of removal after completion of maintenance period.	Nr.	2		
iii	Allow for test running of all works as shall be quantified and directed to the satisfaction of the engineer during construction and after completion.	Sum			



## KAMANYI SUMPWELL WATER SUPPLY PROJECT

## BILL No. 2:INTAKE WORKS

Bill No. 2(i): Construction of 25-40M<sup>3</sup> Masonry Relief well at thua River

Item	Description	Unit	Qty	Rate	Amount
1	Clear site of all bushes and cart away all arisings	M <sup>2</sup>	0		
2	Excavate to remove top soil 150mm depth and dispose as shall be directed	M <sup>3</sup>	0.00		
3	Excavate for Relief well 5900mm dia. Depth not exceeding 1.5	M <sup>3</sup>	40.99		
4	Ditto but 1.5m - 3m depth	M <sup>3</sup>	40.99		
5	Ditto but 3m - 4.5m depth	M <sup>3</sup>	40.99		
6	Ditto but 4.5m - 6.0m depth	M <sup>3</sup>	40.99		
7	Extra over excavation for rock	M <sup>3</sup>	7.5		
8	Place 300mm THK hardcore filling at bottom of well	Ton	10.30		
9	150mm THK well graded ballast ontop of hardcore filling	Ton	5.15		
10	Prepare and cast reinforced concrete class 20/20 (1:2:4) for 200mm THK for ring footing	M <sup>3</sup>	3.28		
11	Prepare and cast reinforced concrete class 20/20 for 150mm THK roof slab	M <sup>3</sup>	4.7		
12	Provide materials and Construct 225mm THK walling with interlocking curved well blocks with middle hole for galvanized wire insertion. The wall to be in 1:3 sand/cement mortar, rate to include 6mm dia. upright galvanized wire at every hole and 2No. Lateral D10 reinforcement bars at every course	M <sup>2</sup>	102.68		
13	1:2 sand/cement Plastering to exposed walls surface externally	M <sup>2</sup>	17.113		









No.	Description	Unit	Qty		
<b>A.</b>	<b>Clearing/excavation</b>				
1	Clear pipe route of bushes, shrubs and cart away all arisings	M	1,200		
2	Excavate for 600mmx600mm channel and stockpile soil materials for reuse	M	1,200		
3	Prepare channel bed for pipe laying	M	1,200		
<b>B.</b>	<b>Provide, transport to site, and install the pipes (with sockets and / butt-fusion for HDPE pipes) and accompanying fittings as described here below</b>				
1	50mm dia. GS pipe class B	m	200		
2	63mm dia. HDPE pipe =(PN 16)	m	1,000		
<b>C.</b>	<b>Valve chambers</b>				
1	Source supply materials to site and Construct STD ministry valve chambers 1MX1MX1M deep with 1:2:4 rc concrete manhole cover of 600mm x600mm size. The cover to be encased in 25mm angle framing and have a allan key locking system. Chamber to be of well dressed quarry stone and plastered to finish.	No.	3		
<b>D.</b>	<b>Provide, transport to site, and install pipe fittings as described here below:</b>				
1	50mm dia. GI plain sockets	No.	3		
2	50mm dia. GI Hex. nipples	No.	2		
3	50mm dia. GS unions	No.	1		
4	50mm dia. Non Return Valve (pegler)	No.	1		
5	63mm dia. 90° GS bend – M & F	No.	3		
6	50mm dia. x 20mm dia. Red. GI tee	No.	1		
7	63mm dia. HDPE connectors	No.	6		
8	25mm dia. Pressure gauge PN20	No.	1		
9	50mm dia. Master meter complete with all accompanying fittings and accessories, including preparation of site and construction of 1mx 1m std chamber	No.	1		


Total Carried to Collection page Bill No. 3(i)

**KAMANYI SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 3: TRANSMISSION LINES**

Bill No. 3(i): Proposed Sumpwell - Proposed Storage/Distribution Tank Site

(Continued)

No.	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
E	<b>Air Valves 2No.</b>				
	<b>Provide, transport to site and install the following items:</b>				
1	63mm dia x25mm dia. HDPE saddle clamp	No.	2		
2	25mm dia. Barrel nipple , one side flanged other threaded	No.	2		
3	25mm dia. hexagonal nipple	No.	2		
4	25mm dia. Gate Valve (pegler type)	No.	2		
5	25mm dia. HDPE double acting air relief valve PN 16 of good quality e.g. Neptune Clenfield	No.	2		
F	<b>Wash out 1No.</b>				
	<b>Provide, transport to site and install the following items:</b>				
1	50mm dia x 40mm dia. Tee	No.	1		
2	50mm dia. Hex. Nipples	No.	4		
3	40mm dia. Hex. Nipple	No.	2		
4	40mm dia. Gate Valve (pegler type)	No.	2		
5	40mm dia. GI Pipe 2M one side threaded	M	2		
G	<b>Finishes</b>				
1	Back filling (A2) above leaving joints exposed	m	1,200		
2	Final backfilling of item (A2), making good of site	Item	-		





1	Supply and installation of 3No. - 10,000litre Plastic Water tanks complete with 50mm outlet, 90mm overflow and 50mm inlet. The tanks to be interconnected with 90mm dia. PPR Pipe, gate valve and other accessories and also be fitted with outlet pipe as shall be instructed by the Engineer	No.	2		
2	Fabricate, Supply and erect concrete works inclusive 6m high steel tower as per drawing or as shall be directed by the client's appointed engineer. Beams to be of 150mm I-sections and Pillars to be of 100m dia. Black pipes filled to the brim with concrete mix.	l/su m	1		
3	Supply, the following fittings and install as required or as shall be directed by the Engineer				
a).	<b>Outlet pipe</b>				
i	63mm dia.PPR pipe for outlet	M	18		
ii	50mm dia. bend	No.	1		
iii	50mm dia. union	No.	2		
iv	50mm dia. Sluice Valve complete with gasket, flanges, nut and bolt	No.	1		
v	63mm dia. PPR tee	No.	1		
vi	50mm dia. long nipple	No.	2		
vii	50mm dia. backnuts	No.	4		
viii	50mm dia. Hex. Nipples	No.	4		
ix	50mm dia. flanged master meter complete with flanges bolts and nuts	No.	1		
b).	<b>Inlet pipe</b>				
i	50mm dia. PPR pipe for outlet	M	18		
ii	50mm dia. GI bend	No.	2		
iii	50mm dia. union	No.	1		
iv	50mm dia. backnuts	No.	2		
c).	Allow for water Connection to Water Kiosk and Extension to demonstration farm	L/s um	1		
<b>Total Carried forward to Grand Bill Summary For Bill No. 4(i)</b>					

**KAMANYI SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 5: WATER DRAWING POINTS**

**Bill No. 5(i): 2M x 2M STD Ministry Water Kiosk**

Item	Description	Unit	Qty	Rate	Amount
<b>1</b>	<b>SUB - STRUCTURE</b>				
1	Excavate to remove veg. Soil average 200mm thick	SM	21		
2	Excavate foundation trenches i.e 1.5M deep	CM	4		
3	Return fill in and ram	CM	2		
4	Load and cart away surplus excavated material	CM	2		
5	50mm thick 1:3:6 mix foundation blinding	SM	5.28		
6	1:2:4 mix reinforced concrete in strip foundations, columns	CM	1.648		
7	300mm thick hardcore filling	CM	1.5		
8	50mm thick murrum blinding	SM	12		
9	Anti-termite treatment	SM	12		
10	50mm thick 1:3:6 concrete blinding	SM	5.29		
11	1:2:4 reinforced concrete floor slab 100mm thk	CM	0.529		
12	Weld mesh no. A145	SM	5.29		
13	D12 reinforcement to foundation base and column starters	KGS	65.712		
14	D8 reinforcement to foundation strip	KGS	12.64		
15	200mm x 25mm softwood sawn formwork to side of slab	LM	10		
16	150mm thick quarry stone foundation walling laid in cement/ sand mortar 1:5	SM	8		
<b>2</b>	<b>WALLING</b>				
1	1:2:4 mix reinforced ring beam 150mm Thk	Item	L/Sum		
2	140mm wide x x 100mm depth x 270mm length interlocking stabilized soil blocks to walling as specified	SM	20		
3	200 x 25mm soft wood sawn timber formwork to sides of lintol	LM	8		
4	D10mm diameter RC bars. To columns	Kgs	40		
5	1:2:4 mix RC to 4No. 200mm x 200mm columns	CM	1		
<b>3</b>	<b>ROOFING</b>				

1	200 x 25mm soft wood sawn timber formwork for roof slab.	SM	7		
2	100mm dia.- 2.4m long Timber props	No.	12		
3	100 x 25mm soft wood sawn timber formwork to sides of roof slab	LM	10		
4	1:2:4 mix reinforced concrete to roof slab - 125mm T.H.L	CM	1		
5	D8 RC bars @150mm c/c to 125mm THK roof slab	LM	67		
<b>Total Carried Forward to Collection Page bill No. 5(i)</b>					

**KAMANYI SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 5: WATER DRAWING POINTS**

**Bill No. 5(i): 2M x 2M STD Ministry Water Kiosk (Continued)**

Item	Description	Unit	Qty	Rate	Amount
<b>DOORS</b>					
1	Fix standard steel purpose made door size 1000 x 2000mm	No.	1		
<b>WINDOWS &amp; VENTILATION</b>					
1	Fix standard steel casement purpose made window size 950 x 1000mm	No.	1		
2	50mm thick precast concrete window sill all sizes 1000 x 300mm throated/weartherd on the outside	Item			
3	Supply 150mm concrete louvre blocks and place in 1:3 cement/sand for 600mm x 300mm vent in wall as shall be directed.	item	1		
<b>FINISHES</b>					
1	12mm thick plaster to columns, lintel and egdes of roof externally	SM	19		
2	25mm thick cement/ sand screed to floor	SM	12		
<b>PAINTING</b>					
1	Prepare and apply 3 coats gloss oil paint to columns, lintel and egdes of of externally	SM	5.28		
2	Prepare wall surface and apply 3 coats clear varnish to wall internally	SM	19.2		

SOAK PIT					
1	Excavate soakpit n.e. 1.5M deep	CM	1.5		
2	Excavate pit 1.50 but not exceeding 3.0Mdeep	CM	1.5		
3	8mm dia. mild steel bars	Kgs	16		
4	Rubble stones	CM	1		
5	1:2:4 reinforced concrete in soak pit cover	CM	0.5		

PLUMPING					
1	20mm dia GI pipe M.G.	Lengths	2		
2	13mm dia GI pipe M.G.	Lengths	2		
3	20mm dia Bend	No.	4		
4	20mm dia Nipples	No.	4		
5	20mm dia Union	No.	4		
6	20mm dia Socket	No.	3		
7	20 x 13mm dia reducing tee	No.	2		
8	20mm dia water meter	No.	1		
9	20mm diameter Gate Valve (Peglar)	No.	1		
10	13mm dia Bend	No.	8		
11	13mm dia stop cock	No.	4		

<b>Total Carried Forward to Collection Page bill No. 5(i)</b>					
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**KAMANYI SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 5: WATER DRAWING POINTS**

**Bill No. 5(i): 2M x 2M STD Ministry Water Kiosk (Continued)**

Item	Description	Unit	Qty	Rate	Amount
	<u>COLLECTION PAGE Bill No. 5(i)</u>				
	Sub total carried forward from page 10 of 13				
	Sub total carried forward from page 11 of 13				



Bill No.	Description	Page	Amount (Ksh)
2	<b>Intake Works</b>		
i	Intake sump/relief well		
ii	Pumping Unit, Solar assembly		
3	<b>Transmission Lines</b>		
i	Rising Main to proposed Tank site		
4	<b>Storage Water Tanks</b>		
i	Plastic Water Tanks & Tower		
5	<b>Water Drawing points</b>		
i	Water Kiosks Construction		
	<b>Sub Total</b>		

**NYANYAA SUMPWELL WATER SUPPLY PROJECT**

**BILL No. 2:INTAKE WORKS**

**Bill No. 2(i): Construction of 25-40M<sup>3</sup> Masonry Relief well at thua River**

<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	Clear site of all bushes and cart away all arisings	M2	0		
2	Excavate to remove top soil 150mm depth and dispose as shall be directed	M3	4.10		
3	Excavate for Relief well 5900mm dia. Depth not exceeding 1.5	M3	40.99		
4	Ditto but 1.5m - 3m depth	M3	40.99		
5	Ditto but 3m - 4.5m depth	M3	40.99		
6	Ditto but 4.5m - 6.0m depth	M3	40.99		
7	Extra over excavation for rock	M3	7.5		
8	Place 300mm THK hardcore filling at bottom of well	Ton	10.30		
9	150mm THK well graded ballast ontop of hardcore filling	Ton	5.15		
10	Place reinforced concrete class 20/20 (1:2:4) for 200mm THK for ring footing	M3	3.28		
11	Place reinforced concrete class 20/20 for 150mm THK roof slab	M3	4.7		













<b>Total Carried forward to Grand Bill Summary For Bill No. 2(iii)</b>					

**NYANYAA SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 3: TRANSMISSION LINES**

**Bill No. 3(i): Rising Main (Tiva River to proposed Tank site near Benard Nzuki)**

No.	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
A.	Clearing/excavation				
1	Clear pipe route of bushes, shrubs and cart away all arisings	M	694.5		
2	Excavate for 600mmx600mm channel and stockpile soil materials for reuse	M	694.5		
3	Prepare channel bed for pipe laying	M	694.5		
B.	Provide, transport to site, and install the pipes (with sockets and / butt-fusion for HDPE pipes) and accompanying fittings as described here below				
1	50mm dia. GS pipe class B	m	20		
2	63mm dia. HDPE pipe =(PN 16)	m	395		
3	63mm dia. HDPE pipe =(PN 16)	m	280		
C.	Valve chambers				

1	Source supply materials to site and Construct STD ministry valve chambers 1MX1MX1M deep with 1:2:4 rc concrete manhole cover of 600mm x600mm size. The cover to be encased in 25mm angle framing and have a allan key locking system. Chamber to be of well dressed quarry stone and plastered to finish.	No.	2		
D.	Provide, transport to site, and install pipe fittings as described here below:				
1	50mm dia. GI plain sockets	No.	3		
2	50mm dia. GI Hex. nipples	No.	2		
3	50mm dia. GS unions	No.	1		
4	50mm dia. Non Return Valve (pegler)	No.	1		
5	63mm dia. 90 <sup>0</sup> GS bend – M & F	No.	3		
6	50mm dia. x 20mm dia. Red. GI tee	No.	1		
7	63mm dia. HDPE connectors	No.	6		
8	25mm dia. Pressure gauge PN20	No.	1		
9	50mm dia. Master meter complete with all accompanying fittings and accessories, including preparation of site and construction of 1mx 1m std chamber	No.	1		
	<b>Total Carried to Collection page Bill No. 3(i)</b>				

**NYANYAA SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 3: TRANSMISSION LINES**

**Bill No. 3(i): Rising Main (Tiva River to proposed Tank site near Benard Nzuki)**

**(Continued)**

<b>No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (Kshs)</b>	<b>Amount (Kshs)</b>
E	Air Valves 1No.				
	Provide, transport to site and install the following items:				
1	63mm dia x 25mm dia. HDPE saddle clamp	No.	1		
2	25mm dia. Barrel nipple , one side flanged other threaded	No.	1		
3	25mm dia. hexagonal nipple	No.	1		
4	25mm dia. Gate Valve (pegler type)	No.	1		
5	25mm dia. Flanged double acting air relief valve PN 16 of good quality e.g. Neptune Clenfield	No.	1		
G	Finishes				
1	Back filling (A2) above leaving joints exposed	m	695		
2	Final backfilling of item (A2), making good of site	Item	-		
3	Provide precast concrete class 25 pipeline marker posts according to the drawings or as shall be directed by the Engineer. Include costs for excavations and mass concrete to post surround	no	3		
H	River /Road Crossings				





1	Clear pipe route of bushes, shrubs and cart away all arisings	M	500.0		
2	Excavate for 600mmx600mm channel and stockpile soil materials for reuse	M	500.0		
3	Prepare channel bed for pipe laying	M	500.0		
B.	Provide, transport to site, and install the pipes (with sockets and / butt-fusion for HDPE pipes) and accompanying fittings as described here below				
2	50mm dia. HDPE pipe =(PN 8)	m	500		
D.	Provide, transport to site, and install pipe fittings as described here below:				
1	50mm dia x 40mm GI tee	No.	1		
2	40mm dia. Gate valve (pegler type)	No.	1		
3	40mm dia. GI plain sockets	No.	3		
4	40mm dia. GI Hex. nipples	No.	2		
5	50mm to 40mm dia HDPE adapter	No.	2		
6	50mm dia. HDPE connectors	No.	6		
7	50mm dia. HDPE end plug	No.	1		
8	40mm dia. water meter complete with all accompanying fittings and accessories, including preparion of site and construction of 0.6mx 0.6m valve chamber	No.	1		
E	Storage tank				

Provide, transport to site and construct circular base, place on it 10m <sup>3</sup> plastic water tank. (Costs to include all fittings connecting to 50mm HDPE pipe and 40mm outlet)	item	1			
<b>Total Carried forward to Grand Bill Summary for Bill No. 3(ii)</b>					

**NYANYAA SUMPWELL WATER SUPPLY PROJECT**  
**Bill No. 4: STORAGE/DISTRIBUTION WATER TANKS**  
**Bill No. 4 (i).: PLASTIC WATER TANKS & TOWER**

Item	Description	Unit	Qty	Rate (Ksh)	Amount(Ksh)
1					
1.1	Supply and installation of 2No. - 10,000litre Plastic Water tanks complete with 50mm outlet, 90mm overflow and 50mm inlet. The tanks to be interconnected with 90mm dia. PPR Pipe, gate valve and other accessories and also be fitted with outlet pipe as shall be instructed by the Engineer	No.	2		
1.2	Fabricate, Supply and erect concrete works inclusive 6m high steel tower as per drawing or as shall be directed by the client's appointed engineer. Beams to be of 150mm I-sections and Pillars to be of 100m dia. Black pipes filled to the brim with concrete mix.		1		

1.3	Supply, the following fittings and install as required or as shall be directed by the Engineer				
a).	Outlet pipe				
i	63mm dia.PPR pipe for outlet	M	18		
ii	50mm dia. bend	No.	1		
iii	50mm dia. union	No.	2		
iv	50mm dia. Sluice Valve complete with gasket, flanges, nut and bolt	No.	1		
v	63mm dia. PPR tee	No.	1		
vi	50mm dia. long nipple	No.	2		
vii	50mm dia. backnuts	No.	4		
viii	50mm dia. Hex. Nipples	No.	4		
ix	50mm dia. flanged master meter complete with flanges bolts and nuts	No.	1		
b).	Inlet pipe				
i	50mm dia. PPR pipe for outlet	M	18		
ii	50mm dia. GI bend	No.	2		
iii	50mm dia. union	No.	1		
iv	50mm dia. backnuts	No.	2		
2	Fencing of water tank site				
2.1	Provide all material and construct 2m high chain link fencing held in place by a four strand 16 Gauge galvanized barbed wire on a 2.1m high 200mm dia.Concrete post at 2.5M c/c mortised in 1:3:6 mass concrete surround (provisional)	m	60		

2.2	Fabricate, supply and erect 1.2m wide single leave gate . The gate to have 80mm dia. Side posts.	Nr.	1		
<b>Total Carried forward to Grand Bill Summary For Bill No. 4(i)</b>					

**NYANYAA SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 5: WATER DRAWING POINTS**

**Bill No. 5(i): 2M x 2M STD Ministry Water Kiosk**

Item	Description	Unit	Qty	Rate	Amount
Item	Description	Unit	Qty	Rate	Amount
1	SUB - STRUCTURE				
1	Excavate to remove veg. Soil average 200mm thick	SM	21		
2	Excavate foundation trenches i.e 1.5M deep	CM	4		
3	Return fill in and ram	CM	2		
4	Load and cart away surplus excavated material	CM	2		
5	50mm thick 1:3:6 mix foundation blinding	SM	5.28		
6	1:2:4 mix reinforced concrete in strip foundations, columns	CM	1.648		
7	300mm thick hardcore filling	CM	1.5		
8	50mm thick murrum blinding	SM	12		
9	Anti-termite treatment	SM	12		
10	50mm thick 1:3:6 concrete blinding	SM	5.29		
11	1:2:4 reinforced concrete floor slab 100mm thk	CM	0.529		
12	Weld mesh no. A145	SM	5.29		
13	D12 reinforcement to foundation base and column starters	KGS	65.71 2		
14	D8 reinforcement to foundation strip	KGS	12.64		
15	200mm x 25mm softwood sawn formwork to side of slab	LM	10		

16	150mm thick quarry stone foundation walling laid in cement/sand mortar 1:5	SM	8		
2	<b>WALLING</b>				
1	1:2:4 mix reinforced ring beam 150mm Thk	Item	L/Su m		
2	140mm wide x x 100mm depth x 270mm length interlocking stablized soil blocks to walling as specified	SM	20		
3	200 x 25mm soft wood sawn timber formwork to sides of lintol	LM	8		
4	D10mm diameter RC bars. To columns	Kgs	40		
5	1:2:4 mix RC to 4No. 200mm x 200mm columns	CM	1		
3	<b>ROOFING</b>				
1	200 x 25mm soft wood sawn timber formwork for roof slab.	SM	7		
2	100mm dia.- 2.4m long Timber props	No.	12		
3	100 x 25mm soft wood sawn timber formwork to sides of roof slab	LM	10		
4	1:2:4 mix reinforced concrete to roof slab - 125mm T.H.L	CM	1		
5	D8 RC bars @150mm c/c to 125mm THK roof slab	LM	67		
<b>Total Carried Forward to Collection Page bill No. 5(i)</b>					

**NYANYAA SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 5: WATER DRAWING POINTS**

**Bill No. 5(i): 2M x 2M STD Ministry Water Kiosk (Continued)**

Item	Description	Unit	Qty	Rate	Amount
Item	Description	Unit	Qty	Rate	Amount
	DOORS				
1	Fix standard steel purpose made door size 1000 x 2000mm	No.	1		
	WINDOWS & VENTILATION				
1	Fix standard steel casement purpose made window size 950 x 1000mm	No.	1		
2	50mm thick precast concrete window sill all sizes 1000 x 300mm throated/weartherd on the outside	Item			
3	Supply 150mm concreter louvre blocks and place in 1:3 cement/sand for 600mm x 300mm vent in wall as shall be directed.	item	1		
	FINISHES				
1	12mm thick plaster to columns, lintel and egdes of roof externally	SM	19		
2	25mm thick cement/ sand screed to floor	SM	12		
	PAINTING				
1	Prepare and apply 3 coats gloss oil paint to columns, lintel and egdes of of externally	SM	5.28		

2	Prepare wall surface and apply 3 coats clear varnish to wall internally	SM	19.2		
	<b>SOAK PIT</b>				
1	Excavate soakpit n.e. 1.5M deep	CM	1.5		
2	Excavate pit 1.50 but not exceeding 3.0Mdeep	CM	1.5		
3	8mm dia. mild steel bars	Kgs	16		
4	Rubble stones	CM	1		
5	1:2:4 reinforced concrete in soak pit cover	CM	0.5		
	<b>PLUMPING</b>				
1	20mm dia GI pipe M.G.	Lengt hs	2		
2	13mm dia GI pipe M.G.	Lengt hs	2		
3	20mm dia Bend	No.	4		
4	20mm dia Nipples	No.	4		
5	20mm dia Union	No.	4		
6	20mm dia Socket	No.	3		
7	20 x 13mm dia reducing tee	No.	2		
8	20mm dia water meter	No.	1		
9	20mm diameter Gate Valve (Peglar)	No.	1		
10	13mm dia Bend	No.	8		
11	13mm dia stop cock	No.	4		
	<b>Total Carried Forward to Collection Page bill No. 5(i)</b>				

**NYANYAA SUMPWELL WATER SUPPLY PROJECT**

**Bill No. 5: WATER DRAWING POINTS**

**Bill No. 5(i): 2M x 2M STD Ministry Water Kiosk (Continued)**

<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

COLLECTION PAGE Bill No. 5(i)

Sub total carried forward from page 11 of 14

Sub total carried forward from page 12 of 14

Total for 1No. Water Kiosk



a

<b>NYANYA AND KAMANYI SUMPWELL WATER SUPPLY PROJECT</b>			
<b>GRAND SUMMARY TOTAL</b>			
<b>Bill No.</b>	<b>Description</b>	<b>Page</b>	<b>Amount (Ksh)</b>
1	Preliminaries		
2	Nyanya Sump Well		
3	Kamanyi Sump Well		
	<b>Sub Total</b>		
	<b>Add</b>		
	2% Supervision		
	2% Contigencies		
	Contractor overheads		
	<b>Total</b>		
	<b>Add</b>		
	16% VAT		
	<b>GRAND TOTAL</b>		