



CONGREGATION *of the* MISSION
Vice Province of Kenya

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PROJECT:

WATER HARVESTING PROJECT.

PLACE:

**OUR LADY QUEEN OF PEACE KARUIRO CATHOLIC
CHURCH AND NEIGHBOURING COMMUNITY.**

PARTICULARS:

**40 PLASTIC WATER TANKS, 4 PLATFORMS WITH
SHADES, RETICULATION FOR THE TANKS**

JANUARY 2024



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A.	Clear site off all shrubs, undergrowth and burn the arising.	960	SM	120	115,200
B.	Excavate fdn trenches n.e 1.5m deep starting from reduced level and cart away.	512	CM	500	256,000
C.	Return,fill and ram with selected and approved excavated materials around excavations.	376	CM	300	112,800
D.	450mm thick approved hardcore bed handpacked ,well watered and compacted,laid in layers of 150mm thick.	392	CM	1900	744,800
E.	50mm selected fine material to hardcore surfaces,well rolled and leveled to receive concrete.	864	SM	180	155,520
F.	Apply Termidor or equal and approved anti termite treatment	864	SM	195	168,480
G.	1000 gauge polythene sheeting with sides and end laps as described laid on blinded surface.	864	SM	350	345,600
H.	50mm thick blinding to fdn trench	864	SM	580	501,120
J.	Vibrated reinforced concrete class 20 (1:2:4) in;				
	1)100mm strip footing	40	CM	14,500	580,000
	2)150mm ground floor slab	128	CM	14,500	1,856,000
	3)Ground beam	16	CM	14,500	232,000
K.	Sawn formwork to ground floor slab and beam.	480	LM	400	192,000
L.	200mm thick natural stone walling in cement sand (1:3) mortar and including with 20mmx3mm hoop iron in every alternate course.	688	SM	1950	1,341,600
M.	D 10mm bars to BS 4449 mild steel reinforcement.	1,416	KG	210	297,360
N.	B.R.C size A.142 fabric mesh weighing 2.22kg/sm to BS 4483.	864	SM	510	440,640
O.	25mm thick cement sand (1:3) plaster on walls round the plinth to foundations.	864	SM	500	432,000
P.	40mm thick cement sand (1:3) screed on walls round the plinth to foundations.	864	SM	480	414,720
	Total to summary				8,185,840

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A.	75mm x50mm R.H.S as roof stands/supports well anchored and welded to plates on slab ,primed and painted to Eng.specifications.	432	LM	1300	561,600
B.	75mmx50mm ditto as wall plate”	480	LM	1300	624,000
C.	50mmx50mm S.H.S as tie beam ,king post,purlins etc.ditto.	1,344	LM	1400	1,881,600
D.	Box profile galvanized iron sheets gauge 28 MRM manufactured welded to purlins.	992	SM	850	843,200
E.	200mmx25mm fascia board all along the roof profile well bolted to tie beams.	544	LM	900	489,600
F.	200mmx200mm custom made p.v.c gutters fixed with p.v.c brackets at 900mm centres including end caps,middle caps and all accessories.	360	LM	950	1,368,000
G.	100mm diameter down pipes fixed to wall with and including hold fasts at 1000mm centres.	720	LM	950	684,000
H.	100mm diameter swan neck.	120	NO	1800	216,000
J.	100mm diameter shoe	120	NO	1200	144,000
K.	100mm diameter inlet and outlet	192	NO	1000	192,000
L.	Provisional sum for plumbing works associated.		ITEM		240,000
M.	Ditto for 12.no ROTO TANKS (263 cm diameter by 209cm height) short version.	40	NO	115,000	4,600,000
	Total to summary				11,844,000

SUMMARY

ITEM	DESCRIPTION	AMOUNT
A.	Total from page 1	8,185,840
B.	Total from page 2	11,844,000
	Total cost	20,029,840 = USD 133,532.27

4 PHASES @ USD \$33,383.07 ea

We will build each phase as donations come in.