

PROPOSED CONSTRUCTION OF MARKET YARD IN HOBYO

BILL OF QUANTITIES (All Provisional)

ITEM	DESCRIPTION	UNIT	Q'TY	RATE (USD)	AMOUNT (USD)
<u>MARKET YARD (300 SQM)</u>					
<u>SUB-STRUCTURE</u>					
1.1	Demolish the existing temporary market sheds and/or clean site of any debris and cart away and dispose off from site safely. The price to be included all the necessary item including the transportation	M ²	487		
1.2	Excavate oversite to remove top vegetable soil to a depth not exc. 300mm, load and cart away spoil from site as directed by Engineer. Price here includes setting out.	M ²	437		
1.3	Excavate 800mm wide trench for foundation strip footings to a depth around 1000mm	M ³	65		
1.4	Excavate 800x800mm for pad foundation footings to a depth around 1000mm	M ³	13		
1.5	Supply and lay a 50mm layer of lean concrete blinding (1:4:8) under of strip and pad footings	M ³	2		
<i><u>Vibrated reinforced concrete, hardcore backfilling and murrum filling:-</u></i>					
1.6	Cast 600*200mm thick In-situ well vibrated reinforced concrete; Class of Concrete 1:2:4 for strip footings under walls. 3T10 distribution bars and T12@200mm c/c main bars [measured separately]	M ³	7		
1.7	Cast 400x400x200mm thick insitu well vibrated reinforced concrete 1:2:4 for pad foundations. The pad will be reinforced with T12@200 both ways measured separately	M ³	3		
1.8	Construct 400mm thick rubble stone masonry wall with cement-sand mortar mix 1:3 to a height of approximately 800mm	M ³	24		
<i><u>Vibrated reinforced concrete, hardcore backfilling and murrum filling:-</u></i>					

1.9	Cast 60No. 300*300mm, 1.0m high reinforced concrete substructure columns as per the drawings. The column to be reinforced with 4T12 main bars and T8@200mm c/c stirrups measured separately	M ³	3
1.10	Return, backfill and ram part of the excavated soil around foundations	M ³	19
1.11	Load and cart away excavated surplus material from site to an approved dumping site	M ³	8
1.12	Backfill with selected material	M ³	120
1.13	Supply and lay DPM on murrum blinding	M ²	344
	<u>Reinforced concrete as described in:-</u>		
1.14	80mm thick reinforced concrete 1:2:4 concrete floor slab with Y8 @ 42m	M ³	35
1.15	Provide and fix high quality floor tiles 60cmx60cm tiles laid on bed of 25mm thick cement mortar of ratio 1:4 . Price to be included all necessary tools.	M ²	437
1.16	Supply and lay DPC along walls	M	133
	<u>SUPER-STRUCTURE</u>		
1.17	Construct 200mm thick concrete block walling to a height of approximately 4 m for the market hall including S shaped concrete blocks for the top 60cm of the wall. The wall to be reinforced with hoop irons at every alternate course.	M ²	400
	<u>Vibrated reinforced concrete as described in:-</u>		
1.18	Cast 200*150mm reinforced concrete ring beam on all walls as per structural engineer's details. The beam to be reinforced with 4T12 main bars and T8@200mm c/c stirrups, measured separately	M ³	3
1.19	Cast 200*150mm reinforced concrete lintel beam on all walls as per structural engineer's details. The beam to be reinforced with 4T12 main bars and T8@200mm c/c stirrups, measured separately	M ³	3
	<u>Steel Framing</u>		
1.20	<u>Assemble all materials, fabricate (cutting and welding as necessary) various steel sections to form the upper part of the hole as provided in the drawings including anchoring of the 80x80x2mm SHSs vertical members to the concrete columns to approval</u>		

1.21	I section 200 frame with 10mm thick MS base plated welded at the bottom, forming the upper part of the structure anchored in the 200x200 RC columns under to approval. All steel framing to be primed and painted with 3 coats of anti rust paint to approval	M	400
1.22	30x30x2mm SHSs intermediate braces to anchor the weld mesh on the upper part of the shed. All steel framing to be primed and painted with 3 coats of anti rust paint to approval	M	56
1.23	Supply and fix weld on the steel framing above, expanded mesh to approval. Mesh to be primed and painted with anti-rust paint to approval	M ²	43
1.24	Supply and install Aluminium corrugated iron sheet. The sheets to be anchored on truss ties and struts using 25mm tapping screws to approval	M ²	40
1.25	Aluminium corrugated iron sheet	M ²	500
1.26	Aluminium corrugated iron sheet	M	38
1.27	40x40x2mm SHSs purlins	M	622
1.28	Provide and install steel facia board of 20cm wide	M	108
	<u>Steel casement purpose made Doors with all frames, fitting and locking accessories:-</u>		
1.29	Fabricate and install 2.0m wide by 2.8m and 1.4mm thick high steel casement doors with all fittings and locking accessories to approval	No.	4
	<u>Construction of Stalls</u>		
1.30	Construct 15cm concrete block stalls with 10cm thick concrete slab reinforced with Y 8 @ 20cm in both directions and placed floor tiles on top of slab the dimension of the pair of stall.The stall, which measures 2.5 * 0.7 * 1.25 m, will have a 5 mm concrete beam on the front and two sides to keep the vegetable from falling.	No	20
	<u>Wall Finishes:-</u>		

1.31	Plaster 13mm thick cement: sand (1:3) steel float finish for INTERNAL surfaces ready to receive paint finish and cure for at least 7 days after 24 hours from time of application	M ²	230		
1.32	Plaster 13mm thick cement: sand (1:3) wood float finish and one (1) splash coat for EXTERNAL surfaces ready to receive paint finish Cure plastered walls for at least 7 days after 24 hours from time of application	M ²	387		
1.33	Provide and fix high quality wall tiles 30cmx30cm wall tiles laid on bed of 25mm thick cement mortar of ratio 1:4 on the walls . Price to be included all necessary tools.	M ²	230		
1.34	Apply one (1) undercoat paint to INTERNAL WALLS and two (2) coats of final Vinyl Silk (or oil paint) to client's colour specification	M ²	230		
1.35	Apply one (1) undercoat paint to EXTERNAL WALLS and two (2) coats of final Vinyl Silk (or oil paint) to client's colour specification	M ²	387		
	Electirical instalation				
1.36	Connect power to existing mains supply, fit 20mm conduits, pull wiring, fit lighting points , fit wall switches, lamps and twin sockets at at every stall as per the instruction of supervising Engineer	LS	1		
TOTAL COST FOR THE MARKET YARD					0.00