

BILLS OF QUANTITIES

FOR

**LOT 3: CONSTRUCTION OF 1 BLOCK OF 6
STANCE VIP LATRINE FOR BOYS IN
BUGUMYA PRIMARY SCHOOL, MAYUGE
DISTRICT UGANGA**



P.O BOX 163027 Kampala
Plot 1026, Lukadde Road, Kira Ward

OCTOBER 2024

MAIN SUMMARY

BILL NO.	DESCRIPTION	PAGE NO.	AMOUNT (USHS.)
1	PRELIMINARIES		-
2	6 -STANCE VIP BOY'S LATRINE		-
	GRAND TOTAL (U SHS.)		-
		<p>.....</p> <p>Signature of Contractor</p> <p>Witness: _____</p> <p>_____</p> <p>Date:</p>	

No	Description	Unit	Qty	Rate	AMOUNT
I	BILL NO I: PRELIMINARIES				
1.01	Allow for all necessary preliminary items including temporary stores, offices, water, electricity, sanitary facilities, provision of samples and tests, general matters such as tools, plant equipment scaffolding and other things necessary for proper execution of works.	Item	1.0		-
					-
					-
					-
	Total Preliminary to Summary				-

BILL NO2: BOQ FOR 1 BLOCK 6 STANCE VIP DRAINABLE LATRINE AND URINALS FOR BOYS

No	Description	Unit	Qty	Rate	AMOUNT
2.00	EXCAVATION AND EARTH WORKS				
2.01	Excavate over site to remove top vegetable soil average depth of 200mm, remove the tree stumps, cart away to atleast 30M from site.	m2	121.00		-
2.02	Excavate for the latrine pit commencing at reduced level to depth not exceeding 4.0m i.e 7.93m long, 2.05m wide and 3.15m deep and not less than 1.50m above the water table including all earthwork support, keeping the excavation free from water and spreading excavated materials away inclusive of any rock areas.	m3	48.74		-
2.03	Excavate for foundations Plinth walling, curtain wall and urinal to a firm level not exceeding 1.0m deep return refill and ram.	m3	8.41		-
2.04	Load wheel and deposit surplus excavated materials and deposit from the site as directed by site Engineer.	m3	22.86		-
Total Excavation and Earth Works to Summary					-
3.00	SUB-STRUCTURE				
Anti-termite treatment					
3.01	Provide anti-termite treatment to sides of excavation and at intervals of every 300mm layer during back filling	Item	1.00		-
Concrete Works					
3.02	Cast 150mm thick concrete (1:3:6/25mm) at the base of pit.	m3	1.96		-
3.03	Ditto but 200mm thick by 600mm wide foundation for curtail walls and urinals	m3	1.22		-
3.04	Ditto but 100mm thick oversite	m3	13.00		-

No	Description	Unit	Qty	Rate	AMOUNT
3.05	200x600x600mm reinforced concrete (1:2:4/19mm aggregate) footing at the bottom of pit and 200x200 columns.	m3	0.43		-
3.06	Ditto but 200x200mm ground beam and slab beam	m3	1.54		-
3.07	Ditto but 150mm thick oversite and suspended slabs. Squat holes and inspection chambers (600x500mm) should be provided.	m2	12.77		-
3.08	Ditto but 100mm thick ramps	m2	2.55		-
3.09	20mm thick plaster (1:2) APC ready to received DPC	m	17.95		-
3.10	Lay 200mm wide bituminous felt or other approved materials as DPC on APC with 200mm overlaps ready to receive super structural walls	m	17.95		-
3.11	25mm thick cement/sand (1:4) plaster applied in two layers and finished with a steel float applied to the internal surface of pit	m2	51.45		-
	Backfills				
3.12	Imported marrum fill to sides of excavations compacted in 200mm layers to 95% MDD ready to received hardcore	m3	13.99		-
	Total Carried to Collection				-
3.13	Supply and instal 1000mm gauge Polythene sheeting as tanking to the excavated pit	m2	56.25		-
	Brick Works				
3.14	200mm thick well burnt clay brick walls approved by engineer with metal strips at every 3 courses bedded in cement/sand mortar 1:3 and atleast 200mm well above ground.	m2	53.82		-
3.15	Ditto but 200mm well burnt clay brick plinth wall to curtain wall and urinals	m2	16.82		-
	Reinforcement Works				

No	Description	Unit	Qty	Rate	AMOUNT
3.16	High yield tensile steel bar reinforcement size 12mm diameter to BS 4461 as described including cutting to lengths, bending, hoisting and fixing including all necessary tying wire and spacers to slab columns and beams.	Kg	305.70		-
					-
3.17	Ditto but 10mm diameter for column bases at a spacing of 150 c/c	Kg	17.76		-
					-
3.18	Mild steel bar reinforcement size 8mm diameter to BS 4461 at 200mm centers for columns and beams	Kg	54.82		-
					-
3.19	Provide lockable 600mmx500mm precast iron air tight prefabricated covers with frame as inspection covers or as directed by engineer.	No.	1.00		-
					-
3.2	Steel fabric mesh reinforcement ref no. A98 weighing 1.58kg/m2: in floor bed: including tying wire and distance blocks	m2	24.55		-
					-
3.21	Ditto but in concrete ramps	m2	2.60		-
					-
	Total Carried to Collection				-
					-
	Form works				
3.22	Sawn formworks to sides of columns, beams and soffits of beams and slabs completed with all accessories	m2	37.12		-
					-
3.23	Ditto but to side of slabs size 75-150mm wide	m	12.35		-
					-
	Total Carried to Collection				-
					-
	COLLECTION				
					-
					-
					-
					-
					-

No	Description	Unit	Qty	Rate	AMOUNT
					-
	Total Substructure to Summary				-
4.00	SUPER STRUCTURE				
4.01	150mm thick brick with 1:4 cement:sand mortar wall constructed out of burnt clay bricks	m2	81.87		-
4.02	Approved burnt clay vent bricks or equivalent in cement mortar 1:4	m2	1.26		-
4.03	150x150mm reinforced concrete (1:2:4/19mm aggregates) beam	m3	0.43		-
4.04	High yield tensile steel bar reinforcement size 12mm diameter to BS 4461 as described including cutting to lengths, bending, hoisting and fixing including all necessary tying wire and spacing blocks to beams.	Kg	66.20		-
4.05	Mild steel bar reinforcement size 8mm diameter to BS 4461 at 200mm centers for beams	Kg	17.88		-
4.06	Sawn formworks to sides of beams and soffits of beams completed with all accessories	m2	8.11		-
4.07	One layer 1000 gauge polythene sheet damp proof membrane : Under bed : 300mm laps.	m2	10.20		-
4.08	Place concrete ramp mix 1:2:4 at the entrances with slope 1:12. Rate to include brick work construction).	Item	1.00		-
	Total Super Structure to Summary				-
5.00	ROOF CONSTRUCTION				
5.01	Supply and fix Well treated timber size 50 x 75mm as purlins (pine)	m	32.60		-

No	Description	Unit	Qty	Rate	AMOUNT
5.02	Ditto but 50x100mm as rafters approximately at 1.0m centers	m	22.05		-
5.03	Ditto but 75x100mm as wall plates	m	13.45		-
5.05	Ditto but 20x225mm as fascia boards	m	7.45		-
5.06	PVC storm water gutter with in built fall of 1 in 100 as per Architect's Detailed Drawing complete with a first flush system	m	7.00		-
5.07	Extra over gutter ends	No	2.00		-
5.08	Extra over gutter for outlet to suit 100mm diameter pipe.	No	2.00		-
5.1	Supply and fix 28 G Prepainted corrugated roofing iron sheets as per drawings	m ²	25.19		-
Total Roof Construction to Summary					-

No	Description	Unit	Qty	Rate	AMOUNT
7.00	FINISHES				
7.01	25mm thick cement sand floor screed (1:3) finished smooth.	m2	18.92		-
7.02	Ditto but disabled persons' ramp finished rough	m2	4.50		-
7.03	20mm cement, sand (1:4) wall plaster in two coats steel trowled hard and smooth on walls internally. Finish smooth with cement lime slurry	m2	6.72		-
7.04	15mm cement and sand (1:3) skirting 150mm high on plastered walls in two coats steel trowled hard and smooth on walls internally and externally.	m	4.20		-
7.05	Precast concrete coping to be done top of the curtain wall and urinals	m	9.45		-
7.06	Finishing brick joints with flush pointing internally	m2	54.75		-
7.07	Ditto externally	m2	59.50		-
7.08	Supply and fix toilet paper holders in all latrines	No	6.00		-
7.09	The Contractor shall allow for fixing/installation of one (1) label (Aluminum gold, 2.5mm thick, 450x300mm) subject to approval by the Construction Officer. The information to use will be provided by the WASH Officer.	item	1.00		-
Total Finishes to Summary					-

No	Description	Unit	Qty	Rate	AMOUNT
8.00	OTHER EXTERNAL WORK				
8.01	75mm thick concrete (grade 15) splash apron on 100mm hardcore base well rammed and apron finished with 25mm thick cement and sand (1:3) screed trowelled smooth to gentle falls with division strips every 2.00 metre length and including 150mm brick edge wall average 500mm deep rendered on and including 450mm x 50mm thick concrete grade 10 foundation and all necessary excavations and disposal of spoil and formwork to edge of apron	m	34.63		-
8.02	Fabricate and Install PWD standard supports (hand rails, hand supports) etc	Item	1.00		-
8.03	Supply and install seat type SaTo pans made for the Disabled in provision made in concrete in disabled latrine stance	No	1.00		-
8.04	Supply and installed 100mm diameter uPVC vent pipe complete with cap, fly screen and painted black. Allow to pass over roof covering by IM.	No	6.00		-
8.05	Clear the site of all construction debris and level the site, undertake landscaping, tree planting and flowering with species approved by the engineer	item	1.00		-
Total Other External Works to Summary					-
9.00	PAINTING				
9.01	Prepare touch up primer and apply one undercoat and two finishing coats of gloss oil paint on glazed metal doors.	m2	24.62		-
9.02	Prepare, prime and paint an undercoat and three coats of Weather guard paint on the coping surface.	m	9.45		-

No	Description	Unit	Qty	Rate	AMOUNT
9.03	Knot prime stop and apply one coat undercoat and two finishing coats of weather guard on fascia board 200 - 300mm wide.	m	7.50		-
Total Carried to Summary					-
10.00	RAIN WATER HARVESTING AND HAND WASHING FACILITY				
	<u>1.5m diameter by 800mm high tank base</u> as to detail				
10.01	230mm burnt clay brick wall	m2	3.76		-
10.02	100mm concrete in strip foundation	m3	0.19		-
10.03	75mm oversite plain oversite concrete	m2	1.76		-
10.04	150mm imported hardcore	m3	0.19		-
10.05	ditto for strip foundation footing	m3	0.29		-
10.06	25mm thick cement screed finished smooth and level	m2	1.77		-
10.07	12mm thick cement sand rendering to external plinth wall of tank base starting from ground level	m2	3.29		-
	Steps to water tank				
10.08	75mm thick oversite concrete	m2	0.65		-
10.09	100mm thick to foundation concrete	m3	0.08		-
10.1	230mm thick brick wall with 1:4 Cement sand mortar out of burnt clay bricks	m2	0.70		-
10.11	25mm floor screed finished to weathering and plaster to sides of steps commencing from strip foundation.	m2	1.38		-
	<u>Water tank</u> as to detail				
10.12	1000L PVC tank as CRESTANK CV-100C Size 1.08m diameter, 1.27m high complete with pegler ball valve, 20mm wash out and 20mm over flow and 25mm distribution main	item	1.00		-
10.13	112mm diameter half round UPVC rain water gutter, secured to timber fascia board with screwed metal brackets at 600 c/c	Lm	9.00		-
10.14	75mm UPVC rain water pipe white in colour	Lm	12.00		-
10.15	75mm UPVC bends white in colour	pcs	4.00		-
10.16	UPVC Equal Tee	pcs	1.00		-
10.17	45-degree Elbow with threaded plug and weephole	pcs	1.00		-
10.18	Solvent cement	tin	1.00		-

No	Description	Unit	Qty	Rate	AMOUNT
	Hand Washing				
10.19	Stainles steel 1/2" taps complete with connecting accessories	pcs	4.00		-
10.2	PVC Washout/ 1" in diameter by 12" in length,ruber washers & nuts inclusive	pcs	1.00		-
10.21	PVC Overflow 50mm in diameter by 12" in length,ruber washers & nuts inclusive	pcs	1.00		-
10.22	PVC Long neck screw 1/2" in diameter by 12" in length, rubber washers & nuts inclusive	pcs	4.00		-
10.23	Excavate soak away pit 1.5m wide by 2.5m depth, fill with approved hard core, cover with PVC membrane. Rate should include manholes / inspection chambers and draiange pipes	No.	2.00		-
	Total Carried to Summary				-
	SUMMARY TO BOQ				
2.00	EXCAVATION AND EARTH WORKS				-
3.00	SUB-STRUCTURE				-
4.00	SUPERSTRUCTURE				-
5.00	ROOFING CONSTRUCTION				-
6.00	DOORS				-
7.00	FINISHES				-
8.00	OTHER EXTERNAL WORK				-
9.00	PAINTING				-
10.00	RAIN WATER HARVESTING AND HAND WASHING FACILITY				-

No	Description	Unit	Qty	Rate	AMOUNT
	Total for Boys Block Carried to Main Summary	No	1.00		-