

BoQ - Construction of one (1) stance of Latrine

*Refer all discrepancies to the Architect/Engineer and IOM WaSH staff in charge.

*All material not in conformity with design specification and description WILL NOT be accepted/approved.

*All critical work stages should not be carried out in the absence of IOM WaSH supervisor

*All construction work to be carried out by competent skilled workers

S/N	ITEM	DESCRIPTION	UNIT	QUANTITY	Unit Price (NGN)	Total (NGN)
A Preliminaries						
1a	Mobilization/Demobilization	Initial Mobilization and final demobilization of equipment, labour and materials to and from site	sum	1		-
Total of Section A						-
B Excavation and Earth Work						
1b	Site clearance	Clear site of shrubs, grasses undergrowth and other unwanted materials from the surrounding	sum	1		-
2b	Excavation	Excavate pit for the latrine to a maximum depth of 2.5m (plus 0.25m sideways to allow working space)	m ³	12		-
3b	Levelling bottom of excavation	Level and compact bottom of excavation to receive concrete	m ²	5		-
4b	Backfilling	Filling to excavation with selected materials from excavation; Compact to edges of facility block and dispose surplus off site after blockwork	m ³	5		-
Total of Section B						-
C Concrete Structure						
1c	Blinding	Cast 50mm blinding under blockwork with weak concrete of ratio 1:3:6	m ³	0.15		-
2c	High tensile bar (BS4449) for footings and column	Y12 - High yield reinforcement bar to be cut, bend and fix for footings (at 200c/c) and column starters as shown in drawing Y10 - High yield reinforcement bar to be cut, bend and fix for stirrups (at 200c/c) as shown in drawing	Kg	29		-
3c	Concrete for floor of septic tanks (Pits)	Cast plain M15 grade concrete (1:2:4); developing minimum 15N/mm ² working strength after 28 days of curing for floor of septic tank with thickness 100mm	m ³	0.18		-

5c	Blockwork	Laying of sancrete blockwork (230x450mm) ; laid stretcher bond on cement and sand mortar (1:3) flush pointed for septic tanks and shower foundation- as illustrated in the drawing	m ²	12		-
6c	Rendering	Internal rendering of septic tanks using 1:4 mortar and gauge of 12mm	m ²	14		-
7c	Formwork for Beam	Sawn formwork to cover sides of beam, the beam is placed at the top of last coach of block to receive slab, superstructure and user load as shown in the drawing	m ²	1.5		-
8c	Formwork for Slab	Sawn formwork to cover soffit of slab supported with vertical poles at appropriate intervals	m ²	1.6		-
9c	High tensile bar (BS4449) for beams	Y12 - High yield reinforcement bar to be cut, bend and fix for resisting compression and tension in beams as shown in drawing Y10 - High yield reinforcement bar to be cut, bend and fix for stirrups (at 200c/c) as shown in drawing	Kg	16		-
10c	High tensile bar (BS4449) for slab	Y12 - High yield reinforcement bar to be cut, bend and fix for both main and distribution bars at an interval of 150mm as shown in drawing	Kg	33		-
11c	Concrete for Beams	Cast plain M15 grade concrete (1:2:4); developing minimum 15N/mm ² working strength after 28 days of curing - dimensions as shown in drawing	m ³	0.2		-
12c	Concrete for Slab	Cast plain M15 grade concrete (1:2:4); developing minimum 15N/mm ² working strength after 28 days of curing, with thickness of 100mm	m ³	0.4		-
13c	External hand rails to aid PWSN when using the ramp	Cut, bend, weld and fix in position as shown in the drawing using 50mm (2")- 3mm thickness hollow GI pipe (in accordance to field engineers instruction): Vertical pipes at interval of 400mm Horizontal pipes at interval of 270mm	sum	0.4		-
14c	Internal hand rails to aid PWSN when using the facility	Cut, bend, weld and fix in position as shown in the drawing using 50mm (2")- 3mm thickness hollow GI pipe: Horizontal supporting pipe to be attached/fixed into the 2 vertical poles (3") as shown or in accordance to field engineers instruction	sum	0.4		-
15c	Blockwork for steps and ramps	Laying of sancrete blockwork (230x450mm) ; laid stretcher bond on cement and sand mortar (1:3) flush pointed for steps and ramps, this include cost for rendering and finishing the edges- as illustrated in the drawing	m ²	1.16		-
16c	Backfill and compact for steps and ramps	Backfill and compact for steps and ramps with 300mm thickness hardcore materials	m ³	1.25		-
	Total of Section C					-

D		Superstructure				
1d	100mm (4") PVC Ventillation Pipe	Installation of 100mm PVC ventillation pipe with fly preventing cap, this include fastening with metal strip (langalanga) to the superstructure	pcs	1		-
2d	75mm (3") GI Pipe	Installation of 75mm GI vertical poles to carry superstructure as shown	pcs	4		-
3d	2x4" hard wood (obeche) for super structure	Supply, cut and nail full gauge 2x4" wood as horizontal and vertical poles as shown	m	15		-
4d	2x3" hard wood (obeche) for super structure	Supply, cut and nail full gauge 2x3" wood as horizontal and vertical poles as shown	m	12		-
5d	CGI Sheet	Supply and install 30gauge (0.4mm thickness) CGI sheet for walling and roofing of the super structure, it should be fasten using 2.5" roofing nail (cap nail) at grove interval	m ²	10.5		-
6d	Doors with accessories	Fabrication and installation of wooden framed doors, wrapped with CGI sheet and braced at intervals with hinges, internal locks and door handle of approved samples	pcs	1		-
7d	Wire mesh/net	Cut and fix flies-preventing wire mesh as shown	m ²	4		-
8d	Fascia board	Supply and install 1x12" fascia board, painted blue with gloss paint (IOM blue)	m	3.6		-
Total of Section D						-
E		Finishes				
1e	Internal floor screeding	Screed internal floor of gauge 25mm (1") over concrete floor providing surface that will flow towards pit/floor drain	m ³	0.05		-
2e	Rendering & Dressing	Rendering and dressing of concrete structure above normal ground level	sum	0.16		-
3e	Visibility	Placement of 2 metallic visibility: IOM and donor visibility, and; Visibility seggregating gender use for the facility. This should be printed on A3 sized metal sheet - Sample to be approved before placement	pcs	1		-
4e	Contingency	Allow a provisional sum as contingency amount (0.2%)	sum	1		-
Total of Section E						-

TOTAL(NGN)	-
TOTAL(USD)	-