	4 STANCE DRAINABLE LATRINE WITH WASHROOM						
Item	Description Of Works	Unit	Qty	Rate(usd)	Amount(usd		
	General Preliminaries				<b>\</b>		
	. Preliminary Particulars						
1,1	Water for works not allowed for in the measured works	L.S	1.0				
	Erection and Maintenance of all temporary						
	scaffolding sufficiently strong and efficient for the due						
	performance of the works and when required during						
4.0	the works, and removal on completion and making		4.0				
1,2	good works	L.S	1.0				
	Allow for removal and clearing away plants,						
	equipments, rubbish, unwanted materials, unused						
1,3	materials and dirts on completion of works	L.S	1.0				
, -	, , , , , , , , , , , , , , , , , , ,						
	Allow for erecting using salvage materials and						
	maintaining on the site contractors' office/store in						
1,4	such a position as may be required	L.S	1.0				
	Sub Total						
1	SUBSTRUCTURE (All provisional)						
	Excavations and filling						
a.	Excavate oversite to remove topsoil average 150mm	$M^2$	25.0				
	deep and remove from site						
	Francisco de la contra del contra de la contra del la contra del la contra del la contra de la contra del la contra de la contra de la contra del la contra del la contra de la contra del la contr	2	45.0				
b.	Excavate to reduce level & remove from site	M <sup>3</sup>	15.0				
	(provisional)						
С	Excavate pit including all earth work support and	$M^3$	47.0				
	keeping excavations free from water and mud.	141					
d	Return, fill and ram to make up levelss average	$M^3$	3.0				
	thickness less than 250mm, obtained off site,						
	selected gravel rejects around the pit walls						
	Disposal of ourplus exected material as affaire as all	3	4.0				
е	Disposal of surplus excated material on site in spoil heaps, average distance 30m from excavation	M <sup>3</sup>	4.0				
	incaps, average distance som nom excavation						
	Para 4 to collection						
	Page 1 to collection						

	Brick work			
f	230mm thick selected burnt clay bricks bedded and jointed in 1:4 mortar with and including 25x3mm hoop iron strips laid horizontally every alternate 3 courses	M <sup>2</sup>	68.0	
	Finishes to the pit			
g	13mm cement and sand (1:3mix) trawelled smooth and hard on all brick walls.	M <sup>2</sup>	68.0	
h	25mm cement,sand screed finished smooth to a gentle floor slope.	M <sup>2</sup>	7.5	
	Insitu concrete class 20/20mm aggregate (1:3:6 mix):			
i	Foundation trench 200mm thick	$M^3$	1.8	
	450 (1:1-1:6)	2		
j	150mm thick pit floor bed using mix 1:3:6 mass concrete	M <sup>2</sup>	7.5	
k	100mm thick reinforced suspended floor slab using mix 1:2:4 concrete with provisions of the dropholes.	M <sup>2</sup>	11.0	
I	230x 230mm columns and beams mix 1:2:4/19mm	M <sup>3</sup>	3.4	
	High yield steel bar including working and fixing (Rates inclusive of binding wire)			
m	Y12 at 150mm centres(both long and shot spans) in. columns and ring beams	kg	105.0	
n	R6 links spaced at 200mm c/c for the columns and ring beams(in. tie wire)	kg	45.0	
	Sawn form work as described to:			
0	230x230mm columns and beams sides	LM	90.0	
р	Soffit of 100mm thick slab	M <sup>2</sup>	11.0	
q	Edge of slab 100mm high	LM	15.0	
	Page 2 to collection			

Splash Apron/Hallway:				
Excavation for foundation trench 450mm wide not exceeding 1.0m and refill	M <sup>3</sup>	5.0		
100mm thick concrete blinding to foundatuion	M <sup>3</sup>	1.0		
150mm thick burnt clay brickwork in cement and sand mortar(1:4)mix in stretcher bond	M <sup>2</sup>	7.8		
Return fill and ram selected excavated material around foundation	M <sup>3</sup>	3.0		
Remove surplus excavated material from site and cart atleast 30m away from the site	M <sup>3</sup>	4.0		
Backfill imported material to hard core fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20	M <sup>2</sup>	8.0		
150mm thick bed of imported hardcore fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20	M <sup>2</sup>	6.8		
75mm thick plain concrete 20/20mm aggregate	M <sup>2</sup>	6.8		
25mm cement and sand screed trawled (1:3mix)	M <sup>2</sup>	6.8		
Sawn timber formwork to the edge of the splash apron 75mm wide	LM	24.0		
Anti-Termite Treatment				
Apply "Aldrin" or equivalent and approved anti- termite solution to surface of excavations	ITEM	1.0		
Page 3 to collection				
Page 1, 2 & 3 to summary				
	Excavation for foundation trench 450mm wide not exceeding 1.0m and refill  100mm thick concrete blinding to foundatuion  150mm thick burnt clay brickwork in cement and sand mortar(1:4)mix in stretcher bond  Return fill and ram selected excavated material around foundation  Remove surplus excavated material from site and cart atleast 30m away from the site  Backfill imported material to hard core fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20  150mm thick bed of imported hardcore fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20  75mm thick plain concrete 20/20mm aggregate  25mm cement and sand screed trawled (1:3mix)  Sawn timber formwork to the edge of the splash apron 75mm wide  Anti-Termite Treatment  Apply "Aldrin" or equivalent and approved antitermite solution to surface of excavations	Excavation for foundation trench 450mm wide not exceeding 1.0m and refill  100mm thick concrete blinding to foundatuion  150mm thick burnt clay brickwork in cement and sand mortar(1:4)mix in stretcher bond  Return fill and ram selected excavated material around foundation  Remove surplus excavated material from site and cart atleast 30m away from the site  Backfill imported material to hard core fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20  150mm thick bed of imported hardcore fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20  75mm thick plain concrete 20/20mm aggregate  M²  25mm cement and sand screed trawled (1:3mix)  M²  Sawn timber formwork to the edge of the splash apron 75mm wide  Anti-Termite Treatment  Apply "Aldrin" or equivalent and approved antitermite solution to surface of excavations	Excavation for foundation trench 450mm wide not exceeding 1.0m and refill  100mm thick concrete blinding to foundatuion M³ 1.0  150mm thick burnt clay brickwork in cement and sand mortar(1:4)mix in stretcher bond  Return fill and ram selected excavated material around foundation  Remove surplus excavated material from site and cart atleast 30m away from the site  Backfill imported material to hard core fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20  150mm thick bed of imported hardcore fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20  75mm thick plain concrete 20/20mm aggregate M² 6.8  25mm cement and sand screed trawled (1:3mix) M² 6.8  Sawn timber formwork to the edge of the splash apron 75mm wide  Anti-Termite Treatment  Apply "Aldrin" or equivalent and approved antitermite solution to surface of excavations  Page 3 to collection	Excavation for foundation trench 450mm wide not exceeding 1.0m and refill  100mm thick concrete blinding to foundatuion M³ 1.0  150mm thick burnt clay brickwork in cement and sand mortar(1:4)mix in stretcher bond  Return fill and ram selected excavated material around foundation Remove surplus excavated material from site and cart atleast 30m away from the site  Backfill imported material to hard core fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20  150mm thick bed of imported hardcore fill in consolidated under apron blinded and well watered and rolled ready to receive concrete 20/20  75mm thick plain concrete 20/20mm aggregate M² 6.8  25mm cement and sand screed trawled (1:3mix) M² 6.8  Sawn timber formwork to the edge of the splash apron 75mm wide  Anti-Termite Treatment  Apply "Aldrin" or equivalent and approved antitermite solution to surface of excavations

2	SUPERSTRUCTURE.				
a.	Reinforced concrete grade 25/19mm aggregate in ring beam mix 1:2:4	$M^3$	0.5		
	High yield steel bar including working, fixing and binding wire				
	12mm	kg	56.0		
	6mm	kg	12.7		
	Walling				
b	230mm wide Damp proof course laid and bedded in cement and sand mortar 1:3mix with 300mm laps	LM	28.0		
С	Selected burnt clay bricks bedded and jointed in 1:4 mortar 150mm thick, with and including 25x3 mm hoop iron strips laid horizontally every alternate three courses (inc. urinal, screen and dividing wall)	M <sup>2</sup>	37.0		
d	400X200 mm high well burnt clay vent bricks in cement sand mortor (1:4)	M <sup>2</sup>	0.5		
	Superetructure total to collection				
	Superstructure total to collection				
3					
3	ROOFING:				
	ROOFING: Roof structure:(Sawn treated softwood)	I M	13.0		
a.	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate	LM	13.0		
a. b.	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter	LM	12.0		
a.	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter 50x75mm purlins				
a. b. c	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter	LM LM	12.0 22.0		
a. b. c	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter 50x75mm purlins	LM LM	12.0 22.0		
a. b. c	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter 50x75mm purlins 25x230 fascia board in planed cypress.	LM LM	12.0 22.0		
a. b. c	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter 50x75mm purlins 25x230 fascia board in planed cypress.  Covering: Gauge 28 resin coated corrugated iron sheets fitted	LM LM LM	12.0 22.0 20.0		
a. b. c	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter 50x75mm purlins 25x230 fascia board in planed cypress.  Covering: Gauge 28 resin coated corrugated iron sheets fitted using galvanized roofing nails  3m long, 100 mm diameter uPVC vent pipe complete with approved fly mesh and cawl, including borings,	LM LM LM	12.0 22.0 20.0 18.4		
a. b. c d	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter 50x75mm purlins 25x230 fascia board in planed cypress.  Covering: Gauge 28 resin coated corrugated iron sheets fitted using galvanized roofing nails  3m long, 100 mm diameter uPVC vent pipe complete with approved fly mesh and cawl, including borings, castings and sealings  PAINTING Use Sadolin paints or equivalent: Knot, prime and apply one under coat and two coats gloss paint on fascia board surface 200-300mm girth	LM LM LM	12.0 22.0 20.0 18.4		
a. b. c d	ROOFING: Roof structure:(Sawn treated softwood) 75x100m wall plate 50x100mm rafter 50x75mm purlins 25x230 fascia board in planed cypress.  Covering: Gauge 28 resin coated corrugated iron sheets fitted using galvanized roofing nails  3m long, 100 mm diameter uPVC vent pipe complete with approved fly mesh and cawl, including borings, castings and sealings  PAINTING Use Sadolin paints or equivalent: Knot, prime and apply one under coat and two coats	LM LM LM	12.0 22.0 20.0 18.4		
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4	DOORS			
	Steel doors frames			
а	Frames with louvres; size 800x2400 high	NO	4.0	
b	Frames with r louvres; size 900x2400 high	NO	1.0	
	Steel Door shutters			
С	800x2100mm high	NO	4.0	
d	750x2100mm high	NO	1.0	
	Iron mongery (Supply and fix the following iron			
	mongary with matching screws)	<b>D</b> .	40.0	
e f	100mm butt hinges	Pairs	10.0	
Ι	30mm long galvanised pad bolt and lock	NO	6.0	
	PAINTING use sadolin paints or equivalent:			
a	Prepare and apply one under coat and two finishing	$M^2$	16.0	
g	coats of gloss paint on general surface of doors.	IVI <sup>-</sup>	10.0	
	goods of gloss paint on general surface of doors.			
h	Provide and neatly countersink 40 x20 mm timber	LM	26.0	
	architraves			
i	Provide hinged meatal grilles on either side of the	NO	2.0	
	latrine with lock to prevent unauthorised use. (use 20			
	x20 x 1.3mm SHS)			
	Decre to collection			
	Doors to collection			
5	INTERNAL FINISHES			
a.	20mm cement and sand (1:4) mortar to walls and	$M^2$	37.0	
<b>с</b> .	beam steel trowelled hard and smooth on walls	IVI	01.0	
	internally.			
b.	Prepare, prime and apply one under coat and three	$M^2$	37.0	
	coats of emulsion paint on plastered walls internally.			
С	25mm cement and sand (1:3) screed finished	M <sup>2</sup>	8.0	
٦	smooth.	NO	2.0	
d	50mm Diameter hand rail as in drawing	NO	2.0	
е	Provide wooden covers for dropholes complete with handle approved	NO	5.0	
f	Provide wire mess and coffe tray backing to all the	SM	1.2	
1	vents and doors with timber brads firmly fixed	J171	1.4	
	Internal finishes to collection			
	Page 5 to summary			
	J			I

6	EXTERNAL FINISHES			
a.	12mm cement and sand render to wall with wood float finish.	M <sup>2</sup>	37.0	
b.	Cement and sand roughcast finish on rendered wall.	M <sup>2</sup>	28.0	
C.	Prepare, prime and apply one under coat and 3 coats of emulsion paint on plastered walls externally.	M <sup>2</sup>	16.4	
	Water Supply			
d	2000 litre uPVC tank placed on ground concrete base (measured separately ) ,complete with 2lockable taps and washout approved	NO	1.0	
e	Install rain water gutter and all its accessories to direct all water from the roof to the water tank placed on 1m high concrete water tank base	NO	1.0	
f	Install 4"PVC pipe with approved floor trap to splash apron for hand washing tanks	NO	1.0	
g	1m high ground concrete water tank base made in masonry brickwork, well compacted with 150mm thick slab on top as directed on site for the tanks as above complete with 1x1m spash apron, concealed drain pipe and soakaway complete.(inc. metallic lockable burgler proffing metallic grills engraved in concrete for protecting the tank)	NO	1.0	
	Page 6 to summary			
	SUMMARY			
1	Preliminaries			
2	Page 1,2 & 3 (Sub-structure)			
3	Page 4 (Superstructure & roofing)			
4	Page 5 (Doors & Internal finishes)			
5	Page 6 (External finishes &Water supply)			
	Sub total			
	TOTAL (Contract Sum)	NO	6.0	