ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (USD)	AMOUNT
CONSTRUCTION OF SHED *(Including Washing Area, Soak pit)*					
1	**EXCAVATION AND EARTHWORKS**				
	Site Clearance:				
1.1	Remove vegetation, tree stumps and take away from the site	m2	53.36		
1.2	Remove 150mm top soil and cart off site.	m2	23.6		
1.3	Excavate pad foundation 1200x1200x 1280mm depth as detailed in drawing	m3	11.1		
1.4	Excavate strip foundation 660mm wide x 1280 mm depth including disposal of surplus excavated material off site	m3	13.1		
				SUB-TOTAL	
2	**SUB STRUCTURE**				
	Reinforced Concrete Grade C25/20				
2.1	300 mm thick to 1200x1200 mm reinforced column footing	m3	2.6		
2.2	230 mm thick reinforced strip concrete to 660mm wide strip foundation	m3	2.3		
2.3	300x300mm x1730mm high foundation columns	m3	0.9		
2.4	100mm thick vibrated reinforced concrete floor slab (1:2:4)	m3	2.4		
2.5	Deformed reinforcing bars as per bending schedules to provided by Engineer	kg	1481.2		
2.6	300mm brick masonry plinth wall embedded in 1:3 cement sand mortar	m2	32.2		
				SUB-TOTAL	
3	**FORMWORK**				
3.1	50x200mm Sown timber to edges of floor slab	m2	4.0		
3.2	50x310mm sown timber for foundation columns	m2	8.3		
3.3	Ditto to Wall columns	m2	12.0		
3.4	50x360 mm sown timber to ring beam	m2	14.4		
				SUB-TOTAL	

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (USD)	AMOUNT
4	**BACK FILL AND COMPACT**				
4.1	Backfill and compact to sides of plinth wall with selected gravel and or approved fill material	m3	9.9		
4.2	Backfill and compact in layers n.e 150mm to floor with gravel or approved materials	m3	7.1		
				SUB-TOTAL	
5	**SUPERSTRUCTURE**				
5.1	Grade 25/20 vibrated concrete for 300x300mm by 2150 mm high reinforced concrete columns	m3	1.2		
5.2	Grade 25/20 vibrated concrete for 350mm dpx230mm wide ring beam	m3	1.5		
5.3	Deformed reinforcing bars as per bending schedules to provided by Engineer	kg	485.4		
5.4	300 mm thick masonry brick wall above ring beam in cement sand mortar (1:4)	m2	13.5		
5.5	Ditto but to gables	m2	5.1		
				SUB-TOTAL	
6	**ROOF (TIMBER STRUCTURE)**				
6.1	Wall plate, hardwood timber size 150x50mm	m	13.0		
6.2	Rafters, hard wood timber size 100X50mm	m	57.6		
6.3	Ties beam 150x50mm	m	24.0		
6.4	Ditto but to struts	m	48.0		
6.5	Purlins, soft wood timber, size 75x50mm	m	59.2		
6.6	50x225 mm fascia board	m	28.8		
6.7	Galvanized corrugated iron sheet including connection to roof structure.	m2	62.2		
6.8	Ridge cape	Pcs	5.0		
6.9	Gutters 140mm dia. Complete	m	14.8		
6.10	100mm PVC down pipe including fittings connected from gutters to storage tank	m	3.0		
				SUB-TOTAL	
7	**DOOR AND WINDOW**				
7.1	Steel casement door with pvo (width = 0.90m, height = 2.10m).	No	1		
7.2	Steel casement window with pvo (width = 1.0m, height = 1.2m).	No	1		
				SUB-TOTAL	

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (USD)	AMOUNT
8	**COLUMN FINISHES**				
8.1	13mm thick column plaster 1:3 cement sand mortar finished smooth	m2	15.48		
8.2	Ditto to ring beam	m2	13.4		
				SUB-TOTAL	
9	**PAINTING**				
9.1	Prepare surface and apply one coat of primer and 2 coats of high quality gloss paint of approved colour to columns and ring beam	m2	28.8		
				SUB-TOTAL	
10	**FENCING**				
10.1	Excavate 300mm dia. X 500mm depth for steel poles	m3	0.67		
10.2	Cast steel poles (1:2:4)	m3	0.67		
10.3	Supply , fabricate and install 3mm thick angle section poles 2000mm above ground level	m	38.00		
10.4	Supply and install 2000mm high chain-link fixed to three lines of tensile wire spaced at 420mm centres tightly on steel poles.	m	48.00		
10.5	Supply, fabricate and install 60x40 x 1.2mm thick steel grilled gate spaced at 300mm vertically and horizontally. (gate size 3000mm wide by 2000mm height) weld to angle poles	Sum	1.00		
				SUB-TOTAL	
11	**WASHING AREA**				
11.1	Construct 200 mm thick brick masonry commencing from floor slab (1:4)	m2	1.38		
11.2	200mm thick backfill under floor with stones or approved gravel	m3	0.44		
11.3	100mm thick concrete slab (1:2:4) finished smooth	m3	0.31		
				SUB-TOTAL	
12	**SOAK PIT**				
12.1	Excavate soak pit 2000mm dia x 2600mm depth as detailed in drawing	m3	8.16		
12.2	Backfill with imported stone boulders or approved filter materials	m3	7.54		
12.3	Remove excavated materials of site and level as directed by the engineer or designated person.	m3	8.16		
12.4	Supply and install 75mm dia PVC pipe including fitting to drain water from wash area to soak pit	No	1.00		
				SUB-TOTAL	
	SUB-TOTAL SHED CONSTRUCTION *(Carried to summary)*				

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (USD)	AMOUNT
	ORGANIC & SHARP PITS				
13	**EXCAVATION AND EARTHWORKS**				
13.1	Remove vegetation, tree stumps and take away from the site	m2	63.64		
13.2	Remove 150mm top soil and cart off site.	m2	0.0		
13.3	Excavate pad foundation 1200x1200x 1280mm depth as detailed in drawing	m3	0.0		
13.4	Excavate pit 4100mm length x 3500mm wide x 2500mm depth including disposal of surplus excavated material off site	m3	35.9		
				SUB-TOTAL	
14	**SUB STRUCTURE**				
14.1	230 mm thick reinforced strip concrete to 660mm wide strip foundation	m3	2.3		
14.2	200x200mm x2500mm high foundation columns	m3	0.4		
14.3	200X200mm x8800mm length intermediate beam	m3	0.5		
14.4	150mm thick vibrated reinforced concrete floor slab (1:2:4)	m3	1.2		
14.5	100mm thick vibrated reinforced concrete at bottom of pit as detailed (1:2:4)	m3	0.2		
14.6	Deformed reinforcing bars as per bending schedules to provided by Engineer	kg	831.8		
14.7	200mm brick masonry pit lining embedded in 1:3 cement sand mortar	m2	33.0		
14.8	Supply and install 100mm PVC vent pipe 2500mm high supported by 450mm sq. x 50mm high brick column as detailed	m	3.0		
14.9	Supply, fabricate and install lockable steel hatch 750x600mm to sit on 75mm x50mm high x4mm thick angle iron as detailed	No	2.0		
				SUB-TOTAL	
15	**FORMWORK**				
15.1	50x200mm sawn timber to edges of floor slab	m2	2.2		
15.2	50x310mm sawn timber for foundation columns and intermediate beam	m2	3.4		
15.3	Ditto to soffit of suspended slab	m2	8.6		
				SUB-TOTAL	
16	**BACK FILL AND COMPACT**				
16.1	150 mm thick compacted gravel at bottom of excavated pit.	m3	1.6		
16.2	Backfill external face of lined pit with loose gravel/ sand pack	m3	8.3		
				SUB-TOTAL	
	SUB-TOTAL ORGANIC AND SHARPS PITS *(Carried to Summary)*				

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (USD)	AMOUNT
	ASH PIT				
17	**EXCAVATION AND EARTHWORKS**				
	Site Clearance:				
17.1	Remove vegetation, tree stumps and take away from the site	m2	16		
17.2	Remove 150mm top soil and cart off site.	m2	0.0		
17.3	Excavate pad foundation 1200x1200x 1280mm depth as detailed in drawing	m3	0.0		
17.4	Excavate pit 2500mm length x 25900 mm wide x 2500mm depth including disposal of surplus excavated material off site	m3	15.6		
				SUB-TOTAL	
18	**SUB STRUCTURE**				
	Reinforced Concrete Grade C25/20				
18.1	230 mm thick reinforced strip concrete to 660mm wide strip foundation	m3	1.3		
18.2	200x200mm x2500mm high foundation columns (4No.)	m3	0.4		
18.3	200X200mm x2000mm length intermediate and ground level beams (8No.)	m3	0.6		
18.4	150mm thick vibrated reinforced concrete floor slab (1:2:4)	m3	0.9		
18.5	100mm thick vibrated reinforced concrete at bottom of pit as detailed (1:2:4)	m3	0.2		
18.6	Deformed reinforcing bars as per bending schedules to provided by Engineer	kg	625.9		
18.7	200mm brick masonry pit lining embedded in 1:3 cement sand mortar	m2	40.0		
18.8	Supply and install 100mm PVC vent pipe 2500mm high supported by 450mm sq. x 50mm high brick column as detailed	m	3.0		
18.9	Supply, fabricate and install lockable steel hatch 750x600mm to sit on 75mm x50mm high x4mm thick angle iron as detailed	No	1.0		
				SUB-TOTAL	
19	**FORMWORK**				
19.1	Soffit of suspended slab	m2	4.0		
				SUB-TOTAL	
20	**BACK FILL AND COMPACT**				
20.1	150 mm thick compacted gravel at bottom of excavated pit.	m3	1.6		
20.2	Backfill external face of lined pit with loose gravel/ sand pack	m3	8.3		
				SUB-TOTAL	

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (USD)	AMOUNT
21	**FENCING**				
21.1	Excavate 300mm dia. X 500mm depth for steel poles	m3	0.28		
21.2	Cast steel poles (1:2:4)	m3	0.28		
21.3	Supply , fabricate and install 3mm thick angle section poles 1000mm above ground level	m	12.00		
21.4	Supply and install 1000mm high chain-link fixed to three lines of tensile wire spaced at 420mm centres tightly on steel poles.	m	20.00		
21.5	Supply, fabricate and install 60x40 x 1.2mm thick steel grilled gate spaced at 300mm vertically and horizontally. (gate size 900mm wide by 2000mm height) weld to angle poles	Sum	1.00		
				SUB-TOTAL	
22	**METAL WORK**				
22.1	Supply, fabricate and install a drum burner as per specifications	Sum	1.0		
22.2	Supply, fabricate and install a drum burner as per specifications	Sum	1.0		
	SUB-TOTAL ASH PIT *(Carried to summary)*				

	SUMMARY				
1	SHED CONSTRUCTION				
2	ORGANIC AND SHARPS PITS				
3	ASH PIT (Including Fencing and metal Work)				
	GRAND TOTAL				