

**PROPOSED CONSTRUCTION OF
SEPTIC TANK AND SOAK PIT**

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SEPTIC TANK</u>				
	<u>ELEMENT 01</u>				
	<u>EXCAVATIONS</u>				
	<u>All excavations are provisional and the actual quantities will be determined on site subject to confirmation by the project manager, it is also assumed that the soils are considered stable</u>				
A	clear site of all bushes and shrubs and any available structures and cart away as directed.	25	SM		
B	Excavate vegetable soil depth 150 deep and cart away as directed.	25	SM		
C	Excavate mass commencing from stripped level for depths n.e 1.5m	25	CM		
D	Ditto for depths exceeding 1.5 b.n.e 3.0m	14	CM		
	<u>Walling</u>				
E	200mm thick stone walling bedded and jointed in mortar mix 1:3 in hoop iron 16 gauge at alternate layers to approval	36	SM		
	Totals Carried to Summary				

BILLS OF QUANTITIES

ITEM		QTY	UNIT	RATE	AMOUNT
	ELEMENT 02				
	<u>Concrete Work</u>				
	<u>Blinding Layer</u>				
A	concrete blinding layer of mix 1:4:8 levelled and made good laid on properly cleared surface	1	CM		
	<u>Concrete mix 1:2:4 in :-</u>				
B	150mm thick floor	3	CM		
C	Top slab	4	CM		
D	Baffle walls	1	CM		
	<u>Sawn cypress Formwork to:-</u>				
E	Soffits of top slab	18	SM		
F	Sides of Baffle Walls	36	SM		
G	Sides and edges of top slab and manholes	18	LM		
	<u>Reinforcement</u>				
	Supply and fix the following high tensile square twisted reinforcement bars to B.S. 4461 including all the necessary cutting, bending and binding wire and include for spacer Blocks				
F	10mm diameter	74	KGS		
G	12mm diameter	68	KGS		
	Totals Carried to Summary				

BILLS OF QUANTITIES

ITEM		QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT 03 FINISHES & FITTINGS <u>Wall finishes (internal)</u></p> <p>A Gauged plaster 12mm thick 2No. Coatwork,9mm first coat of mortar (1:4);3mm second coat of cement and lime (1:1) :steel trowelled to concrete and stone walling where applicable generally to walls internally</p> <p><u>Manhole Covers</u></p> <p>B 915X610 mm heavy duty cast iron manhole covers with frame & preprimed to approval made good & placed in place to specs</p>	<p>78</p> <p>4</p>	<p>SM</p> <p>NO</p>		
	Totals Carried to Summary				

BILLS OF QUANTITIES

ITEM	DESCRIPTION		AMOUNT
	<u>BUILDING WORK SUMMARY FOR SEPTIC TANK</u>		
A	Substructure		
B	Concrete Works		
C	Finishes and Fittings		
	Septic Tank subtotal		

SOAK PIT

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 01</u>				
	<u>Excavations</u>				
A	Excavate mass commencing from ground level for n.e 1.5m deep and cart as directed.	7	CM		
B	Ditto but exceeding 1.5m b.n.e 3.0m deep.	7	CM		
C	Ditto but exceeding 3.0m b.n.e 4.5m deep.	7	CM		
C	Ditto but exceeding 4.5m b.n.e 6.0m deep.	4	CM		
	<u>Filing</u>				
	<u>Hardcore Fill</u>				
D	Fill in the pit with large hardcore boulders to approved levels	28	CM		
	<u>Walling</u>				
E	150m thick quarry stone walling	10	SM		
	<u>Concrete mix 1:2:4 in :-</u>				
F	150mm thick Suspended slab and footing	1	CM		
	<u>Formwork</u>				
	<u>Sawn cypress Formwork to:-</u>				
G	Soffits of top slab	5	SM		
	<u>Reinforcement</u>				
	<u>Supply and fix the following high tensile square twisted reinforcement bars to B.S. 4461 including all the necessary cutting, bending and binding wire and include for spacer</u>				
	<u>Blocks</u>				
H	10mm diameter	35	KG		
Totals Carried to Summary					

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 02				
	<u>Manhole Covers</u>				
A	600x450 mm heavy duty cast iron manhole covers with frame & preprimed to approval made good & placed in place to specs	1	NO		
	<u>Finishes (externally)</u>				
B	Gauged plaster 12mm thick 2No. Coatwork, 9mm backing c/s mortar (1:4);3mm finishing coat of cement and lime (1:1) :steel trowelled generally to concrete top surface externally	10	SM		
	Totals Carried to Summary				

K/02

BILLS OF QUANTITIES

ITEM	DESCRIPTION	AMOUNT
	<u>BUILDING WORK SUMMARY FOR SOAK PIT</u>	
A	Substructure and Concrete Works	
B	Finishes and Fittings	
C	<u>TOTALS FOR SOAK PIT</u>	

BILLS OF QUANTITIES

ITEM	DESCRIPTION		AMOUNT
<u>GRAND SUMMARY</u>			
A	Brought from Septic Tank Summary		
B	Brought from Soak Pit Summary		
C	Provision for Plumbing related works		30,000.00
D	Add Contingencies		50,000.00
E	Grand Totals		
Grand Totals Carried to Form of Tender			
<p>* Note that prices quoted are inclusive of all taxes</p> <p>CONTRACTOR'S NAME:.....</p> <p>ADDRESS.....</p> <p>SIGN.....</p> <p>DATE:.....</p> <p>STAMP:.....</p>			