

Various institutions

Item	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION :A</u>				
	<u>EARTHWORKS: Provisional</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Excavation to be done to fit the registered Engineers foundation desgin and specification.				
	<u>Site clearance</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush etc and trees including compaction and carting away excavated materials	Item	2		
	<u>Excavation in earth not exceeding 2m deep including compacting excvated surfaces</u>				
2	Excavation in soft packable material	m ³	9		
	<u>Extra over trench and hole excavations in earth for excavation</u>				
3	Medium-hard packable material	m ³	9		
4	Hard ground	m ³	9		
	<u>Extra over all excavateds for carting away</u>				
5	Surplus material for excavations and/or stock pile on site, to a dumping site to be located by the contractor	m ³	27		
	<u>200mm thick G5 material compacted to 98% MOD AASHTO density</u>				
6	Under bases	m ³	2,8		
	Total carried to summary				
	SECTION A: EARTHWORKS				

Various institutions

Item	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>					
<u>SUPPLEMENTARY PREAMBLES</u>					
<u>Cost of tests</u>					
The cost of making, storing and testing of concrete cubes as required under clause 7 "tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect					
<u>Formwork</u>					
Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"					
<u>30 Mpa Reinforced concrete cast against excavated surfaces</u>					
1	800mm Bases complete with holding down bolts for the tower structure	m ³	14,4		
<u>Test cubes</u>					
2	Making and testing 150 x 150 x 150mm concrete strength	No	2		
<u>Steel reinforcement to concrete work</u>					
3	Reinforcement for base as per design	Tons	1,6		
<u>Formwork to sides</u>					
4	Formwork to bases	m ²	19,2		
5	50mm Blinding	m ³	1,2		
6	50mm Grout	m ³	1,2		
Total carried to summary					
CONCRETE, FORMWORK & REINFORCEMENT					

Various institutions

Item	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEVATED WATER TANKS</u>				
1	Supply, deliver and install elevated 3660 x 2440 x 2440 mm (20 kl) Domestic Water Storage Tank (complete with covers, ball float valves level indicators, overflows, inlets, outlets and Ø65 drain connections as scheduled and specified) together with a steel structure 10m high to support the tank complete with ladders, balustrades etc. Allow for a 65mm diameter bore for drain and over-flow facility, 50mm diameter bore for water inlet facility and 75mm diameter for water outlet facility. Supply and fit pressure control valve at the base of the stand on the delivery main. Install SANS approved air release valve. Install 75mm Scour valves together with valve chambers. Install gate valve 75mm together with valve chamber. Install ball pressure valve 75mm together with valve chamber. Install pipe markers and Valve chamber markers. As per manufacturer details.	No	2		
2	75mm Nominal bore (Tank Water Outlet Pipe) Supply and Install Galvanized (GSM) Pipework c/w fittings and supports (Provisional Quantity)	m	100		
3	Water meter	No	2		
	Total carried to summary				
	ELEVATED TANKS	<u>4</u>			

Various institutions

Item	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	EXTERNAL WORKS				
1	Excavate pipe trench nominal depth of up to 1m depth	m	200		
2	Extra over for excavations in intermediate material	m ³	60		
3	Extra over for excavations in hard rock material	m ³	60		
4	Lay 75mm uPVC class 9 (lay pressure test, bed and backfill)	m	200		
5	Painting Work	Item	2		
6	Earthing: Earthing to tank stand by a specialist supplier. A soil resistivity test is to be done.	Item	2		
	PADLOCK:				
7	Supply one HA1 padlock c. w. keys for cat ladder trap and a water meter sleeve.	No	4		
	Total carried to summary				
	EXTERNAL WORKS				
		<u>5</u>			

Various institutions

Item	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>PROVISIONAL SUMS</u>				
	<u>Geotechnical Test</u>				
1	Allow for a Geotechnical specialist to test ground samples and produce a Geotech report which will allow the Professional Structural/Civil Design engineer to do foundation design	Item	2		R 60 000,00
2	Allow for a registered engineer to design all work pertaining to the tank stand foundations and slab, supply of design certificate, engineering drawing, foundation construction certification and supervision of construction and certifying of foundation	Item	2		R 60 000,00
	Total carried to summary				R 120 000,00
	PROVISIONAL SUMS				
		<u>6</u>			

Various institutions

SUMMARY PAGE					
Item					AMOUNT
1	PRELIMINARY AND GENERAL				
2	EARTHWORKS				
3	CONCRETE, FORMWORK & REINFORCEMENT				
4	ELEVATED WATER TANKS				
5	EXTERNAL WORKS				
6	PROVISIONAL SUMS				R 120 000,00
	Sub-total				
	Add 15% VAT				
	Carried to form of tender				