BoQ FOR PIPING WATER FROM DRILLED BORE HOLE TO THE CENTER 1100M IN URUM	-	-	-	-	
	ITEM DESCRIPTION	UNT	QTY	RATE	**AMNT**
	SITE CLEARENCE				
	Clearing site where scope of work is to				
	done by removing stumps,shrubs etc	sm	1,100.00		
	Excavation work				
	Excavations of trenches should be done				
	clearly to allow laying of pipe perfectly				
	to facilitate smooth and frequent water				
	flow to the directed points	cm	340.00		
	Backfilling				
	After pipe laying and fitings,backfilling				
	should be done accordingly to ensure				
	all pipes are well buried underground				

	to avoid surface exposure thus enhancing				
	security.	cm	340.00		
	Materials required for the work include				
	G.I PIPES 1 1/2"	pcs	8.00		
	G.I PIPES 1"	pcs	4.00		
	Ditto but 3/4"	pcs	4.00		
	G.I TEE JOINT 1 1/2"	pcs	3.00		
	G.I REDUCER 1 1/2"	pcs	2.00		
	Ditto but 1"	pcs	2.00		
	G.I ELBOW 1 1/2"	pcs	15.00		
	Ditto but 1"	pcs	5.00		
	Ditto but 3/4"	pcs	5.00		
	Thread seal	pkt	10.00		
	GATE VALVES 1 1/2"	pcs	2.00		
	Ditto but 3/4"	pcs	5.00		
	PEGLER TAP 3/4"	pcs	8.00		

	PVC Class 'C' 1 1/2"	pcs	205.00		
	Ditto but 1"	pcs	15.00		
	Ditto but 3/4"	pcs	15.00		
	PVC REDUCER 1 1/2"	pcs	2.00		
	Ditto but 1"	pcs	2.00		
	PVC ELBOW	pcs	15.00		
	Tangit glue 1000ml	Tin	35.00		
	BOSS WHITE 500ml	Tin	15.00		
-	***TOTAL COST***	-	-		

BQ FOR CONSTRUCTION OF 20M3
FERRO WATER TANK

Item	Description	Unit	Qty	Rate	Amount
1	**Substructure**				
1.1	Clear the site of bushes, shrubs and undergrowth; grab up their roots and burn the arising.	Sm	8		
1.2	Excavate pit 650 mm deep from ground level	Cm	6		
1.3	Cut away all excavated material from site	Cm	6		
1.4	Supply and hand pack hardcore 450 mm thick properly compacted	Cm	6		
1.5	50 mm thick plain concrete 1:4:8 blinding to surface of compacted hardcore	Sm	6		
2	**Superstructure**				
2.1	Supply and fix BRC A142 heavy gauge to on slab and walls	Sm	100		
2.2	Supply and fix reinforcements bars Y-12 mm to support BRC mesh	lengths	24		
2.3	Supply and fix reinforcements bars Y -8 mm for colunms rings	lengths	14		
2.4	Supply and apply of gunny bags for wall plaster.	Bags	95		

2.5	Supply of chicken mesh wire for wall plaster reinforcement.	Rolls	5		
2.6	Supply and apply 3 coats of bitumen to the top of circular walling before concreting.	Sm	4		
3	**Suspended slab.**				
3.1	Vibrated reinforced concrete 1:2:4 suspended slab	Cm	10		
3.2	Provide for all form work to edges, bottoms of suspended slab and striking off	item	1		
3.3	Provide for forming at 450 mm x 450 mm inspection opening to the suspended slab during casting.{ metallic cover }	item	1		
4	**Finishes**				
4.1	Supply and fix a 25 mm x 25 mm polly filler joint before plastering.	Lm	320		
4.2	20 mm cement/water proof cement/sand (1:1:2) screed to floor slab with a steel float finish	Sm	10		
4.3	25 mm (average) thick cement/sand (1:3) screed to top of suspended slab including forming gentle slope	M^2	10		
5	**Others**				
5.1	Fabricate and fix in position a 450 mm x 450 mm inspection lockable metal cover from plain sheet gauge 16 including frame.	Item	1		
5.2	Provide for landscaping around the tank including removal of any arising debris	Item	1		
6	**Plumbing works**				

6.1	Supply and install 50 mm GI bend to the inlet pipe	Pcs	3		
6.2	Supply and install 50 mm ball valve pegler to the inlet pipe.	Pcs	1		
6.3	Supply and install 50 mm GI inlet & outlet pipe class B.	Lengths	3		
6.4	Supply and install 50 mm GI union	Pcs	3		
6.5	Supply and install 50 mm pegler gate valve.	Pcs	2		
6.6	Supply and install 50mm GI sockets	Pcs	6		
6.7	Supply and install 50mm GI tee	Pcs	3		
6.8	Supply and install 50mm GI Hex. nipple	Pcs	5		
6.9	Supply and install 50mm GI plug	Pcs	2		
10.1	Supply and install 50 mm GI elbow to the outlet pipe	Pcs	4		
10.3	Supply and install 50 mm GI class B scour pipe.	M	1		
10.4	Supply and install 50 mm GI pipe with bend to the vent pipe 4No.	M	4		
10.5	Fabriction,branding and installation of bill board	Lps	1		
10.6	Construction and plumbing works for water harvesting point 32 metres away from tank	Lps	1		
	Total				

SECTION C: BoQ FOR COSTRUCTING WATER TROUGH 15MX2M

ITEM	**DESCRIPTION**	**UNT**	**QTY**	**RATE**	**AMNT**
1	***SITE CLEARENCE***				
	Clearing site where scope of work is to				
	done by removing stumps, shrubs etc	sm	30.00		
2	***Excavation work***				
	Excavations to be done to reduced leveling				
	by removing all top vegetable soils and manure	cm	4.5		
	Excavate trenches to foundation starting from				
	reduced level But N.E 1.5 m deep	cm	15.2		
3	***Disposal***				
	Excavated materials cart and preserve for				
	backfilling purpose	cm	15.2		
4	***Water disposal***				
	Allow labour and material for keeping the				
	excavated trenches free from general water	item	1		
5	***Plunking and strutting***				
	Allow labour and materials to uphold sides of				
	excavation	item	1		
6	***Hardcore***				
	Using medium sized hardcore well compacted				
	raise the levels	sm	30		
7	***Murram***				
	Blinding surface of hardcore uding quality				
	murram spread evenly 50mm thick.	sm	30		
8	***Concrete work***				
	150mm thick instu-reinforced concrete normal				

	class 20/20 for slab.	cm	3		
	Ditto but mass concrete for strip foundation	cm	2.04		
9	***Reinforcement***				
	use normal gauge mesh wire for slab reinforcement				
	given there is no heavy load and pressure inserted.	pcs	4		
10	***Swan formwork***				
	Edge of slab 75-150mm wide	lm	34		
11	***Walling***				
	use 200mm thick natural quarry stone bedded and				
	jointed with mortar ratio 1:3 and reinforced after				
	alternate courses using hoop iron 500g	sm	40.8		
12	***Finishes***				
	Plastering and Rendering should be done				
	smoothly and evenly using mortar ratio 1:3 C/S				
	by wooden float and the using steel float nil should				
	be applied.	sm	40.8		
	Ditto but for flooring	sm	30		
	TOTAL COST				
	GRAND TOTAL COST				