

No.	Item Description	Unit	Qty	Unit Cost in USD	Total Cost in USD
<b>CONSTRUCTION OF 40M³ ELEVATED TANK @15M Hight – DESIGN BASIS</b>					
<b>1.0</b>	<b>SUB STRUCTURE</b>				
1.1	<b>Site clearance:</b> clear site from vegetation, debris, unwanted material and dispose it to a safe place	LMS	1		
1.2	<b>Footing Excavation:</b> Excavate 9 (1.2x1.2x1.6)m Blind for footings, level and compact well ( <u>before receiving foundation blinding</u> )/cut and trim all projected faces	M³	20.74		
1.3	<b>Hardcore:</b> supply and fill 300mm 9(1.2x1.2x0.3) (imported or Excavated selected material over the ground floor compact AS PER Specification before receiving blinding	M³	3.89		
1.4	<b>Foundation Blinding:</b> Lay 50mm thick lean 4 (1.2x1.2x0.1)m concrete 1:4:8 /3bags of cem/0.4cum of river sand /0.8cum of Graded stone 40mm nominal size AS PER SPECS above the excavated footing and foundation trenches, cure the blinding	M³	1.296		
1.5	<b>Footing concrete :</b> provide and cast 9 (1.1x1.1x0.75)m R.C.C footing over the blinding mix 1:2:4 /6bags of cem/1cum of concrete <u>Reinforced with double layered Y16 deformed steel in both directions</u> /use vibrator in accordance with specifications	M³	8.17		
1.6	<b>Ground Beam Excavation:</b> Excavate (0.5x0.4x35.4)m foundation, level and compact well ( <u>before receiving foundation blinding</u> )/cut and trim all projected faces	M³	7.08		
1.7	<b>Beam Blinding:</b> Lay 50mm thick lean (0.5x0.1x35.4)m concrete 1:4:8 /3bags of cem/0.4cum of river sand /0.8cum of Graded stone 40mm nominal size as per specification above the excavated footing and foundation trenches, cure the blinding	M³	1.77		
1.8	<b>Ground TIE Beams:</b> provide and cast (0.4x0.45x35.4)m R.C.C beam MIX 1:2:4/6bags of cem/1cum of concrete___ Reinforced with 4Y14 linked with Y8mm stirrups @200mm c/c	M³	6.37		
1.9	<b>Backfilling with Good Hardcore and Crashed Stone:</b> supply and fill (imported or Excavated selected material over the ground floor compact AS PER Specification	M³	7.08		
<b>SUBTOTAL</b>					<b>S -</b>
<b>2.0</b>	<b>SUPER- STRUCTURE</b>				
2.1	<b>Middle Tie Beams:</b> provide and cast 3x(0.4x0.4x30.4)m R.C.C beam MIX 1:2:4/6bags of cem/1cum of concrete___ Reinforced with 4Y14 linked with Y8mm stirrups @200mm c/c	M³	14.496		
2.2	<b>Bottom Slab:</b> Cast in place (200x4000x5000)mm Thick R.C.C Slab on the Water storage with Lid Mix 1:2:4/6bags of cem/1cum of concrete___ Reinforced with Y12mm for Main bar & Y10 to Distribution +R8@150mm c/c	M³	4		
2.3	<b>Slab Beam:</b> provide and cast (0.4x3.8x4.8)m R.C.C beam MIX 1:2:4/6bags of cem/1cum of concrete___ Reinforced with 4Y16 linked with Y8mm stirrups @200mm c/c	M³	18.24		
2.4	<b>Columns:</b> Cast in place 9(0.4x0.4x11.05)m R.C.C Columns Mix 1:2:4/6bags of cem/1cum of concrete___ Reinforced with 6Y16mm +R8@150mm c/c	M³	11.59		
2.5	<b>Base of Roof Slabs:</b> Cast in place (150x4000x5000)mm Thick R.C.C Slab on the Water storage with Lid Mix 1:2:4/6bags of cem/1cum of concrete___ Reinforced with Y12mm for Main bar & Y10 to Distribution +R8@150mm c/c	M³	3		

2.6	<b>RCC WALLS:</b> provide and cast (200x2000x18)MM RCC Wall MIX 1:2:4/6bags of cem/1cum of concrete___Reinforced with Y10 linked with Y8mm stirrups @200mm c/c	M <sup>3</sup>	5.4		
2.7	<b>Wall Plaster:</b> apply No 2 coats of 20mm thick plastering Mix 1:4 to intenal external walls including seiving sand and even finish as per line in levels , curing as per Field Engineer	M <sup>2</sup>	10.8		
2.8	<b>White Washing :</b> apply No2 coats of white washing to all int.and external walls	M <sup>2</sup>	10.8		
2.9	<b>Emulsion paint:</b> apply No2 coats of emulsion paint to all int.and external walls except where stone facing is used	M <sup>2</sup>	10.8		
2.10	<b>Manhole For during Cleaning:</b> Provide (600mmx600mm) RCC Roof Access cover Cleaning in a future	LMS	1		
2.11	<b>Roof Slabs:</b> Cast in place (150x4000x5000)MM Thick R.C.C Slab on the Water storage with Lid Mix 1:2:4/6bags of cem/1cum of concrete___Reinforced with Y12mm for Main bar & Y10 to Distribution +R8@150mm c/c	M <sup>3</sup>	3		
2.12	<b>G.I pipe :</b> Provide and install inlet pipe & over flow pipe	PCs	3		
2.13	Provide and fix steel ladder for elevated Tank	PCs	1		
2.14	Provide and install Cleaning Pipe	PCs	1		
<b>SUBTOTAL</b>					<b>\$ -</b>
<b>GRAND TOTAL FOR CONSTRUCTION OF 40M<sup>3</sup> ELEVATED WATER TANK IN USD</b>					<b>\$ -</b>
E	<b>DISTRIBUTION OF NEW PIPELINE EXTENSION FROM ELEVATED TANK TO THE NEW WATER KIOSKS THE PIPE LENGTH 1.7 KM</b>				
	<b>PIPELINE EXCAVATION</b>				
2	Trenching, laying and backfilling of pipeline (for 50.8mm or 2" Inch Pvc High Pressure pipe Class D) for internal distribution system (450mm x 600mm trench) from water tank to water kiosks.	LM	1700		
3	PIPELINE SUPPLIES AND INSTALLATION				
5	76.2mm HDPE TEE(FUSION)	Pcs	1		
6	76.2MM HDPE GET VALVE (FUSION)	Pcs	1		
7	water PVC pipes	Pcs	290		
8	cack & Solvent Glue)	Nr	1		
9	Cost for plumbing works for pipeline	LS	1		
10	<b>TOTAL FOR 1.7 KM PIPELINE EXTENSIONS</b>				<b>\$ -</b>
11	<b>TOTAL FOR OVERAL ALL</b>				<b>\$ -</b>
<b>ANNEX 1: BILL OF QUANTITIES (BoQs) Summary</b>					
S.No	DESCRIPTIONS OF WORK/ACTIVITIES	UNIT	QUANTITY	AMOUNT	AMOUNT (USD)
1	CONSTRUCTION OF 40m3 ELEVATED WATER TANK	No	1	\$ -	\$ -
2	1.7 KM PIPELINE EXTENTION	No	1	\$ -	\$ -
GRAND TOTAL USD FOR 40M3 ELEVATOR WATER TANK AND PIPELINE EXTENTION					<b>\$ -</b>
<b>Infrastructure Type</b>		<b>Site Name / Location</b>		<b>Latitude (N)</b>	<b>Longitude E</b>
GASHAAN WATER SOURCE		Gashan water source		5°19'28.90"N	45°50'54.70"E
PIPLINE EXTENSION 1500M FROM GASHAAN WATER SOURCE		Gashan Elevator Tank		5°19'28.90"N	45°50'54.70"E
PIPLINE EXTENSION 1500M END POINT_ Guuled Cade IDP		Guled Cade IDP Camp		5°19'17.01"N	45°51'40.86"E