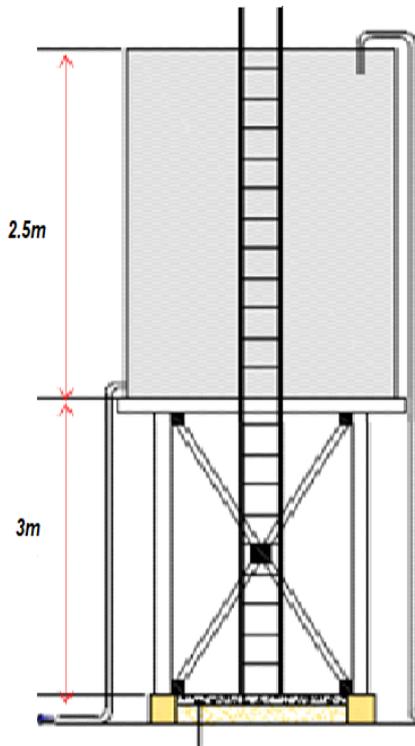
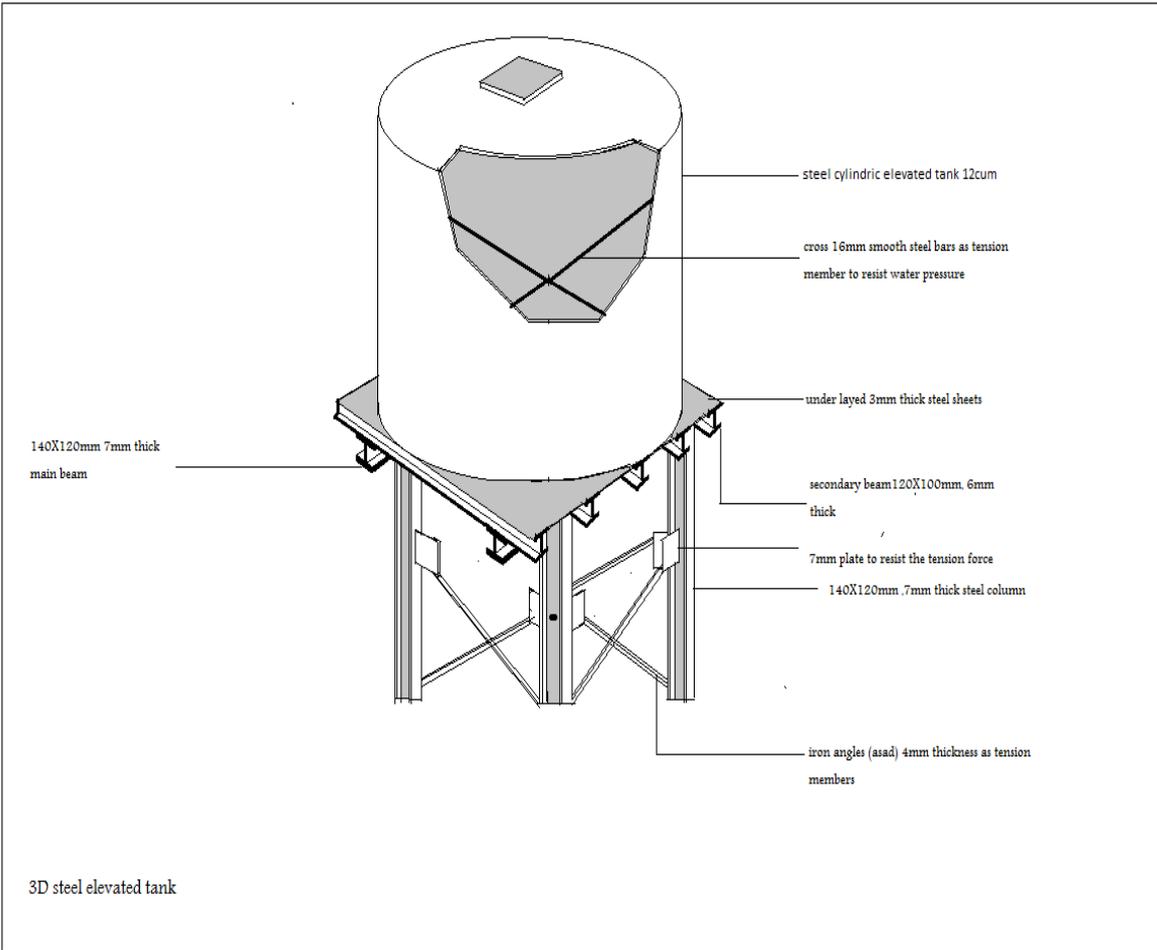


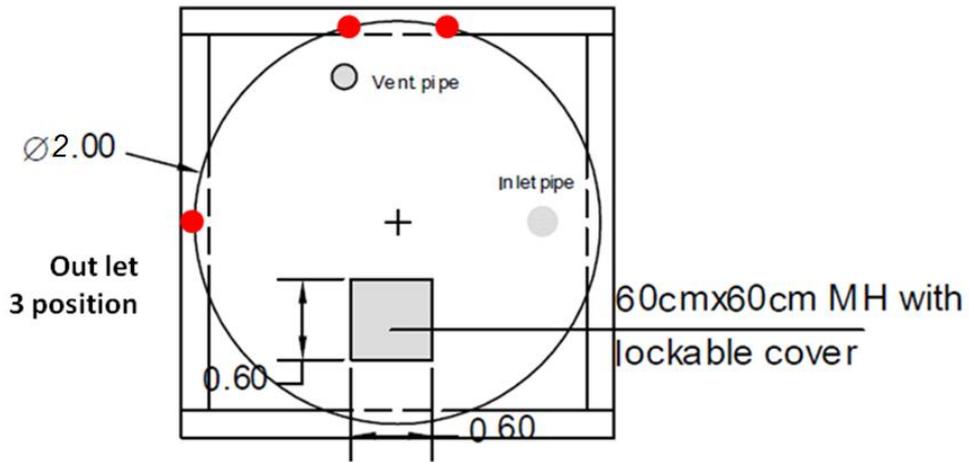
Cylindrical elevated water tank

Supply and erect 12m³ cylindrical elevated water tank, 3m dia., and 3.5m height according to following specifications:

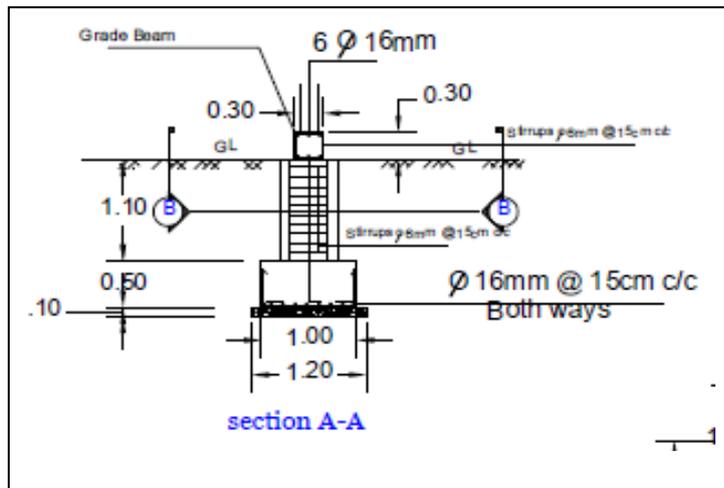
	Descriptions	unit	QTY	Price
1	<p><u>Tank body</u></p> <p>The tank should be manufactured from welded mild steel plates, bottom plates 6mm thick, wall plates 4mm thick and cover plates 3mm thick.</p> <p>The tank should be braced internally and externally with 50x50x5mm mild steel angles.</p> <p>The manhole at the top of the tank should be 600x600mm complete with a lockable cover</p> <p>The cowl ventilator should be of 100mm diameter and covered with a mild steel bonnet with mosquito wire</p> <p>The internal and external ladders should be manufactured from 50x6mm mild steel flat and mild steel round bars 16mm diameter, spanning 400mm with steps 300mm apart</p> <p>The water level indicator should be made with a mild steel pulley, float, nylon string and weight. Two angles 40x40x5mm should be welded at the face of the tank with graduations between them to indicate the water level inside the tank</p> <p>The connection for water openings should be of galvanized iron pipes as follows: Inlet (80mmØ), Outlet (100mmØ) THREE OPENINGS, Washout (80mmØ) and Overflow (100mmØ).</p> <p>The control valve is Ø 80mm made of cast iron to be fixed at 600mm above ground.</p>	PCS	1	
2	<p><u>Supporting tower</u></p> <p>The tower height should be 3.5m to support 25 m³ of water plus the weight of the tank.</p> <p>The branch beam should be of IPE1 60x80mm, main beams (architrave) of IPE 180x90mm</p> <p>The stanchions should be one bay with a total height of 6.0m manufactured from IPE 200x100x22 kg/m. All wind bracings should be Manufactured from 65x65x6 mm mild steel angles whilst the horizontal brace at the middle of the tower is from 80x80x65mm mild steel angles, all braces connected with Ø 16x50mm bolts and washers.</p> <p>The thickness of the foot plate and top plates should not be less than 12mm, whilst that of the gusset plates should not be less than 6mm. Holding down bolts, nuts and washers should be supplied in adequate sizes but not less than 22mm Ø and 500mm length, 4 anchor bolts are to be used per footing</p>	PCS	1	
3	<p><u>Paints</u></p>			

	<p>The tank and tower should be painted with an anti rust prime coat, followed by another coat applied as follows:</p> <p>a) Tank: Internal coating-bituminous non-toxic paint, and External coating with grey oil paint</p> <p>b) Tower: bituminous black paint.</p> <p>c) The water level indicator should be painted white with black graduations</p>			
4	<p>Foundation</p> <p>4 isolated reinforced concrete footings 1x1x0.5m, 2.2m c/c with 0.1m plain concrete under the footing.</p> <p>Short columns 0.6x0.6x1.1m (subject to site conditions)</p> <p>Tie beams 0.3x0.3m</p> <p>Excavation depths shown on the drawings are not final and may be subject to increase or decrease according to site condition.</p> <p>Concrete mix proportion is (1:2:4) for plain concrete and (1:1 ½:3) for reinforced concrete</p> <p>All reinforcement size and number are as shown on the drawings by any case the number of stirrups and links should not be less than seven per one meter.</p>	Job	1	
	Total in SDG			
	VAT 17%			
	Total including 17%			
	Total cost for Supply and installation of 6 elevated tank			
	Total cost in USD (1USD= 565SDG)			





Top plan



Note : concrete cover = 10cm

