

Elevated Water Tank ,Algerfat village - Almafaza locality

No	Description	Unit	QTY	Unit Cost	Total Cost
1.00	Elevated Water Tank				
1.10	Supply & Installation of one new steel elevated water storage tank, (13.5 m ³) capacity, mounted on a 6m height steel tower and resting on reinforced concrete foundation, complete with inside and outside ladder. Tank Materials Shape: Cylindrical Bottom: Mild steel plates 5-mm thickness. Shell Mild steel plates 5 -mm thickness. Roof: Mild steel plates 4-mm thickness. Roof structure Mild steel angles 2" X 2" X ¼". Internal Bracing 80 X 80 X 6mm X 4 nos Side ladder: Mild steel angles 2" X 2" X ¼", round bars 5/8"(16mm). Safety cage: Mild steel angles 2" X 2" X ¼". Manhole cover : Mild steel plates 3-mm thickness + hinges. Bolts& nuts. (60 x 60cm) Painter: Mild steel angles 1" + string wire rope + clamps & floaters,etc.. Paint: From inside & outside with non-poisonous of silver bituminous paint. Tower materials: Base plates (Shoe plate) : 40cm x 40cm x 16 mm. Top plates: 2 mm. Connection plates (Brace plate) :20 X 20X 06 mm. Main Pillars : IPE Standards 20 cm x 10cm x 8mm Main beam: IPE Standards 20 cm x 10cm x 6mm Grill (Secondary beam) : IPE Standards 16 cm x 8cm x 6mm. Wind bracing : Angles 65mm x 65mm x 6mm. Ladder: Angles 2" X 2" X ¼". Ladder: Round bars 5/8". Inner Ladder: Angles 2" X 2" X ¼". Anchor bolts: 22mm . Rubber : 5 mm (underneath tank)	Job	1		
1.20	Installation of water meter (flowmeter 3") at elevated tank with European quality	No	1		
2.00	Pipeline and control valve Manhole with protection				
2.10	supply & installation pipe 3" galvanize from water tank outlet to the control valve, with all needed accessories, holding props and fixing elements	NO	1		
2.20	supply & installation pipe 2" galvanize from water pump at control room to the water tank inlet, with holding props, and fixing elements, with all need accessories	NO	1		
2.30	Supply & Installation of (H.D.P.E) pipe 3 inch" diameter of 10 bar working pressure include all necessary fittings. Digging and refilling trench as specified (40cm width by 50cm depth) , The connection from water tank to main control manhole.	M.L	600		
2.40	Supply & Installation of (H.D.P.E) pipe 2 inch" diameter of 6 bar working pressure include all necessary fittings. Digging and refilling trench as specified (40-cm width by 50-cm depth) in addition to backfilling with Sand as per ZOA engineer instruction , The connection from main control valve to school, car filling ,disruptions point and animal troughs.	M.L	400		
2.50	Supply and installation of 3" cast iron Wheel control Valve with flanges and gaskets, screw bolts , etc. ..	No	2		
2.60	Supply and installation of 2" cast iron Wheel control Valve with flanges and gaskets, screw bolts , etc. ..	No	3		
2.70	construction of distribution points with 8 taps and control valve 1 inch, fed from the 2 inch pipe line	No	1		
2.80	Construction of Reinforced concrete Manhole for the control valve and air valve , 1.5X1.5meter with 1 meter height and covered with 5mm steel cover with locker, complete job.	No	1		
2.90	Construction of Reinforced concrete Manhole for the control valve and air valve , 1.5X1.5meter with 1 meter height and covered with fiber cover with locker, complete job.	No	1		
3.00	Supply & Installation of 3" air valve	No	1		
3.10	1.5 meter height fence made of galvanized steel chain-link wire(Gabion) fixed on 1.5 meter height (2 m above ground level and 0.5 m below ground level) of 2.0 inch 2.5mm thickness steel angle, spaced at 2 meters distances (of 3 mm galvanized wire 5cmX5cm spacing) and 3 lines from 12mm steel bar(at top, bottom and the middle), the 2.5 inch steel angle (posts) will be erected in a 50X50X50 cm plain concrete base, around the water yard .Fence corners should be supported with 2.5 inch strainer-angled iron. include 2 Meter gate with I steel 14cmX7cm will be erected in a 50X50X70 cm & 10X5 square steel pipe 2mm thickness for frame and 6X3 square steel pipe as mish with 15 cm squares spaces .	M.L	16		
				Sub Total	
				17% VAT	
				Grand Total	

Delivery Time: _____