

Africa Union Commission, Supply of Equipment for the proposed new borehole

Item	Description	Unit	Qty	Unit Rate in ETB	Total Price in ETB
1	Electric submersible pump 380V, star delta motor, complete with non-return valve, DN65 threaded outlet, power cable, level control cable & all other accessories required for installation in boreholes with casing dia. of 8inch, Q=5 l/s, H=100m, power cable (2*3*10) length =50 meter, control cable length =100 meter	No.	1		
2	GS Flange 8" to be welded to the 8" steel casing	No.	1		
3	GS Wellhead with a 8" flange, DN65 short piece with a DN65 PN16 threaded socket welded on the inside & DN65 short piece with a DN65 PN16 flange welded on the outside & all accessories as shown in the drawing & as per the specification	No.	1		
4	GS riser pipe, heavy grade, threaded DN65, L = 3000mm c/w socket	No.	25		
5	Double flanged GS bend DN65 PN16 - 90°	No.	3		
6	Single flanged GS pipe DN65, PN16 L = 4000mm, with loose flange	No.	1		
7	dismantling piece DN65 PN16	No.	2		
8	Double flanged GS pipe with puddle DN65, PN16, L = 500mm	No.	1		
9	Double flanged GS pipe with puddle DN65, PN16, L = 1200mm	No.	1		
10	Double flanged GS pipe with puddle DN50, PN16, L = 1000mm	No.	1		
11	Double flanged GS pipe DN65, PN16 L = 1000mm with two 1/2" female sockets welded for the attachment of pressure gauge and pressure switch	No.	1		
12	Double flanged GS pipe DN65, PN16 L = 1000mm, with one DN 3/4" welded socket	No.	1		
13	Single flanged GS pipe DN65, PN16 L = 2000mm	No.	1		
14	Double flanged GS tee DN65/50/65 PN16 - 90°	No.	2		
15	Double Air relief valve DN50, PN16, with isolating gate valve	No.	1		
16	Double flanged Dismantling piece DN65, PN16	No.	1		
17	Pressure gauge, glycerin filled, 100mm dia., 1/2" male connection, 0-25 bar with isolating cock	No.	1		
18	Pressure switch, working range 15-25 bar, 1/2" male connection	No.	1		
19	3/4" pipe, elbows, nipples, unions and faucet for sample water tapping & compound supply	LS	1		
20	Double Flanged wolman water meter, turbine type, DN65, PN16	No.	1		
21	Double flanged Non return valve DN65 PN16- straight pattern flap type	No.	1		
22	Double Flanged Gate valve DN65 PN16	No.	1		
23	Double Flanged Gate valve DN50 PN16	No.	1		
24	single flanged GS elbow DN50 PN16, 90°	No.	1		
25	double flanged reducer, GS, DN65/80 PN16	No.	1		
26	flanged threaded adapter, GS DN80 PN16	No.	1		
27	Pipe support with pipe clamp, foot plate, anchor bolts etc.	LS	1		
28	Necessary pipes, fittings bolts, nuts, gaskets etc. required to complete installation & to connect to the discharge (collector) pipe	LS	1		
29	Submersible pump motor control panel, including all protection relays, phase sequence relay, metering relays etc.	No.	1		
30	Low & high level water sensors for installation within the borehole including all control units, relays etc. as required for the complete works	No.	1		
31	All other control, protection, monitoring cabling and wiring required to meet the specified requirements	LS	1		
32	Earthing materials, including all inspection chambers, rods, tape bonding straps etc. as necessary for the earthing requirements with the borehole	LS	1		
33	Cable tray, cable trunking, cable supports etc. as required	LS	1		
TOTAL					