

REHABILITATION OF AI MAGROON VILLAGER CLINIC

ITEM NO	JOB DESCRIPTION	UNIT	Quantity	Rate (USD)	Amount
1	CONSTRUCTION OF WALL (FENCE)				
1.1	CIVIL WORKS				
1.1.1	Demolishing the defected Tie Beam (Descrbed as 35m long of Bent Tie Beam attached on the ground with four 4 lines of block work on the tie beam filled with soil on one embankment) The demolishing shall be made by Jack Hammer or manually . The price must include dumping the unwanted material to the designated area in AI MAGROON . Note : work must not damage the footing	LUMP SUM	NA		
1.1.2	Pouring(C25)Reinforced concrete For Isolated Footing with 100cm @100 cm and 40 cm thick with 7ø 14 mm / m in both directions steel reinforcements must be Grade 60 (ASTM A615) The concrete shall be poured and leveled by using the Concrete vibrator, trowels and finishers tools to achieve the required surface smoothness (The rate includes formwork installation as well as concrete curing by using fresh water for 7 days) , All according to the UNICEF Construction Engineer	M3	12		
1.1.3	Pouring Reinforced concrete (C25) For Tie Beams with 20cm @40cm cross section with 3ø 14 mm at the top and 3 ø 14 mm at the bottom with ø 8mm Stirrups /10 cm spacing steel reinforcements must be Grade 60 (ASTM A615) The Tie Beams must be attached with all columns in both directions The concrete shall be poured and leveled by using the Concrete vibrator, trowels and finishers tools to achieve the required surface smoothness (The rate includes formwork installation as well as concrete curing by using fresh water for 7 days) , Note: All tie beams and foundation must be coated by Bitumen All according to the UNICEF Construction Engineer ...	M3	8		
1.1.4	Pouring (C25) Reinforced concrete COLUMNS with 20 @30 cm dimensions 4 bars withØ 14 mm diameters 15cm striupps (Ø6mm) steel reinforcements must be Grade 60 (ASTM A615) The concrete shall be poured and leveled by using the Concrete vibrator, trowels and finishers tools to achieve the required surface smoothness (The rate includes formwork installation as well as concrete curing by using fresh water for 7 days) , NOTE : The Rebars must be embedded into the tie beams by using Sika Epoxy or other similar product All according to the UNICEF Construction Engineer	M3	6		
1.1.5	Carry out BLOCK WORK for (Clinic Wall) 20cm thick will be used . Cement paste shall be used for blockwork the paste will contain of350 Kg of Ordinary cement with 1m3 of sand all mixed with drinkable water to achieve workable consistent paste (The high is approx 2.9 meter from the Tie Beam)	M2	280		
1.1.6	Carry out PLASTERING WORK for walls and ceilings by using cement mortar which made up from Ordinary Portland Cement conform with C150(ASTM) .The plastering paste shall contain of 350Kg of cement , with 1m3 sand . Mortor paste compontes shall be mix with clean drinkable water to achieve the desired adhesive consistency . Attached with metal or plastic mesh between the concrete elements and block works in both directions vertical and horizontal directions , (Curing with water must be applied for three days to avoid thermal cracks) (The item includes metal or plastic mesh to be put up between the structural elements and block work)	M2	550		

1.1.7	Supply and Installation of Interlocking Pavement attached to the wall . The Pavement shall be constructed on one side of the wall in order to allow the Pedestrian to walk through and to protect the wall . The item shall include the Backfilling (Base coarse) and the Concrete shoulder .Note : the ground level vary	M2	60		
1.2	<u>Painting Work</u>				
1.2.1	Painting using Emulsion for all external walls using the weather shield paint of approved colour and manufacturer ,Painting with two coats (faces) .Finishing off the work according to work specifications . using approved product. All shall be made according to the UNICEF Construction Engineer	M2	550		
1.3	<u>Metal Works</u>				
1.3.1	Supply Installation of Main METAL door (The rate includes painting the all metal doors with two coats of antirust primer and finishing off the work with the selected colour) shall comply with ASTM A 366/A 366M-96 - Standard Specification for Steel, Sheet, Carbon, Cold-Rolled, Commercial Quality; 1996Fabricate doors of two (2) outer cold-rolled, stretcher-leveled steel sheets of gages . Construct doors with smooth, flush surfaces, without visible joints or seams on exposed faces or stile edges, except around glazed or louvered panel inserts.				
-	Hinges: Steel plate 3/16 inches thick x 1-1/2 inches wide x 6 inches longer than hinge, secured by not less than 6 spot-welds	-	-	-	-
-	3500mmWidth * 2500mm High (All accessories shall be included)	Item	1		
1.3.2	Supply and Installation of Metal Work Fence , Metal work shall be installed between the Concrete Column and on the tie beam fixed by bolts and epoxy if needed at the main entrance .Approx high shall be 2900 mm from the tie beam	M2	58		
2	<u>Rehabilitation of the Roof</u>				
2.1	Installation of Waterproofing membrane on the roof. Waterproofing membrane application. One layer of 4mm thick modified bituminous membrane shall be laid fully torched on blinding concrete with minimum of 100mm end laps and 150mm side laps. The rate includes the installtion of skirting all over the building parapet as well as repairing all cracks on the light concrete by open the cracks up using the grinder and filling up by using the appropriate adhesive . Note : The item shall includes leveling the surface with slurry All according to the UNICEF Construction Engineer	M2	520		
3	<u>Sanitary, Sewerage and Water Supply Work</u>				

3.1	Installation of space saver close coupled toilet dual flush 6/4Ltr Cistern CapacityProduct Depth 650 mmProduct Height 770 mmThe rate includes sof close toilet seat stainless steel hinges ; and wc outlet connector and flexible hose pipe as Cobra complete with angle valve as Cobra *The rate includes the replacing the exsiting ones All according to the UNICEF Construction Engineer	Item	2		
3.2	Installation of hand wash sink wall-hung clokroom basin 1top holes of 450mm (W x D x H: 450 x 385 x 170mm) (Includes the water mixer)All according to the UNICEF Construction Engineer	Item	2		
3.3	Supply and Installation PPR pipes3/4 inches all pipes shall be jointed and fixed and connected to sinks and toilets) * The rate includes all fittings and accessories as well as water pressure test must be performed to achieve zero leakage. Note: All fittings and pipe specials used in the plumbing installation shall be suitable and compatible with all respects to the pipe line to which fittings and specials are fixed.	Note	-		
3.4	3/4 pipes of PPR (CALDE OR SMARTHOME are preferable or any equivalant brand) attached and not limited to the followings :	M	5		
3.5	Stop valve 20mm size	Item	4		
3.6	Socket end cap 20mm size	Item	4		
3.7	Female threaded brass adaptor coupling with nut of 32mm*3/4inch	Item	6		
3.8.	Reducing tee 25*20mm	Item	5		
3.9	Reducing Elbow25*20mm	Item	3		
3.1	Trap Elbow	Item	4		
3.11	Multi floor drain trap200*200	Item	1		
3.12	Coupling 20mm	Item	4		
SUB TOTAL IN USD					0

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