

Rehabilitation of Shmes Al Ghad Nursery School

ITEM NO	JOB DESCRIPTION	UNIT	Quantity	Rate (USD)	Amount
1	Construction of Full Set of 6 Toilets (Toilet room sizes 1.5X2.5)				
2	Civil Work				
2.1	Excavation at Soil or Subsoil (Rocks or Clay) in depth 70 cm for the bathroom foundation with the size of 1m @1m@0.5 m depth for 14 footings The digging out shall be by using the Air Compressor manual jack hammer The item shall include the dumping the unwanted material to the designated dumping area (Note : The first 10 cm is concrete)	M3	12		
2.2	Pouring C 20 Lean concrete with 10cm thick on the compacted Soil Subgrade ensuring the concrete is placed into formwork (shuttering)	M3	2.1		
2.3	Pouring(C25)Reinforced concrete For Isolated Footing) with 100cm @100 cm and 40 cm thick with 7 ϕ 12 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	5		
2.4	Pouring (C25) Reinforced concrete For Columns with 25cm @25cm and 3.2 m high with 6 ϕ 14 mm in cross section with 8mm Stirrups /10 cm spacings 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	4		
2.5	Pouring Reinforced concrete (C25) For Tie Beams with 20cm @40cm cross section with 3 ϕ 14 mm at the top and 3 ϕ 14 mm at the bottom with 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	3		
2.6	Pouring (C25) Reinforced concrete for the Sills above the doors and windows with 20cm @110 cm above the doors and 20cm@70cm cross section above the windows steel reinforcements must be Grade 60 (ASTM A615) with the minimum reinforcements . (The rate includes formwork installation as well as concrete curing by using fresh water for 3 days) , All according to the UNICEF Construction Engineer	M3	2		
2.8	Carry out Block Work for Toilet walls . Blockworks with (15-20cm) thick will be used . Cement paste shall be used for blockwork the paste will contain of 350 Kg of Ordinary cement with 1m3 of sand all mixed with drinkable water to achieve workable consistent paste	M2	120		

2.9	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 adhivse 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	150		
2.10.	Supply , Laying down, and installation of CERAMIC tiles for the Toilet walls and floors by using an appropriate Cement Paste and finishing off using the approved grout and levelling according to the UNICEF Engineer	M2	220		
3	<u>Sanitary, Sewerage and Water Supply Work</u>				
3.1	Supply and Installation of space saver close coupled toilet dual flush 6/4Ltr Cistern Capacity Product Depth 650 mm Product Height 770 mm The rate includes of 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	Item	6		
3.2	Supply and Installation of hand wash sink wall-hung clokroom basin 1top holes of 450mm (W x D x H: 450 x 385 x 170mm). The item includes the water mixer	Item	6		
3.3	Supply and InstallationPVC pipes(4-6) inches all pipes shall be jointed and fixed and connected to Manhole and the nearby Septic Tank) * 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.	M	25		
3.4	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	-		
3.5	3/4 pipes of PPR (Red Sea brand is preferable or any equivalant brand) attached and not limited to the followings :	M	150		
3.6	Stop valve 20mm size	Item	5		
3.7	Socket end cap 20mm size	Item	15		
3.8	Female threated brass adaptor coupling with nut of 32mm*3/4inch	Item	12		
3.9	Reducing tee 25*20mm	Item	8		
3.10.	Reducing Elbow25*20mm	Item	7		
3.11.	Trap Elbow	Item	8		
3.12	Multi floor drain trap200*200	Item	8		
3.13	Coupling 20mm	Item	15		

3.14	Supply and Installation of water Boiler (Ariston or Thermax an equivalent brand) 100 litre capacity (The rate includes the electric cable and plug in with socked and thermal switchers)	Item	2		
3.15	Supply and Installation of water Centrifugal Pump (SAER or DAB brand preferable) with 1hp ,0.6 -3 M3/h and 7.5 m head(The rate includes the replacing the exsiting pumps and installon of new automatic electrical switchers)	Item	2		
3.16	Supply and Installation of Water Tank with 2000 liter capacity made from Fiber , The rate includes all fittings, valves, Automatic timer and accessories to finish the work all according the Engineer instructions	Item	2		
4	<u>Painting Work</u>				
4.1	Painting using Emulsion for the internal walls ,external and Ceiling using the approved product ,Paint shall be from approved colour with approved manufacturer. Painting with two coats using PUTTY before painting when required finishing off the work according to work speciation's . according to the UNICEF Engineer instructions and approvals	M2	1500		
5	<u>Aluminium Work</u>				
5.1	Supply and install aluminium Windows and doors with different sizes, All shall be of approved aluminium profiles, including approved accessories, handles, 6mm thick glass, rubbers ..etc.; all in accordance UNICEF Engineer instructions and approval	M2	100		
5.2	Supply and install aluminium windows of size70X70 mm. The doors shall be of approved aluminium profiles, including approved accessories, handles, 6mm thick glass, rubbers ..etc.; all in accordance UNICEF Engineer instructions and approval	M2	8		
6	<u>Electrical Work</u>				
6.1	Supply and installation of flourescent lamp fittings complete with 3*TL-D36 W (Philips or equivalent) Lamp suitable for indoor use including all other necessary accessories like terminal block etc. (accessories - thorn / Philips or equivalent & fitting)	Item	9		
6.2	Installation of electrical sockets with three pins , 16 A and (220 – 240 V) (ABB or equivalent products , the rate includes removing the damaged sockets , all requirement to finish off the work professionally all according to the UNICEF Engineer	item	8		
6.3	Installation of electrical Switches 16 A and (220 – 240 V) (ABB or equivalent products , finishing off the work professionally all according to the UNICEF Engineer	item	8		
7	Construction of wall (Fence for Protection and Seperation)				

7.1.1	Civil Work				
7.1.2	Excavation at Soil or Subsoil (Rocks or Clay) in depth 70 cm for the Wall Footings with the size of 1x1 m depth for 15 footings The digging out shall be by using the Air Compressor manual jack hammer The item shall include the dumping the unwanted material to the designated dumping area (Note : The first 10 cm is concrete)	M3	14		
7.1.3	Pouring (C25) Reinforced concrete For Isolated Footing) with 80cm @ 80 cm and 40 cm for footings thick with 7 @ 12 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	7		
7.1.4	Pouring (C25) Reinforced concrete For Columns with 25cm @ 25cm and 3 m high for 20 Columns with 6 @ 14 mm in cross section with 8mm Stirrups /10 cm spacings 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	8		
7.1.5	Pouring Reinforced concrete (C25) For Tie Beams with 20cm @ 40cm cross section with 3 @ 14 mm at the top and 3 @ 14 mm at the bottom with 8mm Stirrups /10 cm spacing steel reinforcements must be Grade 60 (ASTM A615) The Tie Beams must be attached all over the wall which 100 meter in length . 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	15		
7.1.6	Carry out Block Work for Toilet walls . Blockworks with (15-20cm) thick will be used . Cement paste shall be used for blockwork the paste will contain of 350 Kg of Ordinary cement with 1m3 of sand all mixed with drinkable water to achieve workable consistent paste	M2	300		
7.1.7	Carry out Plastering Work for walls and ceilings by using cement mortar which made up from Ordinary Portland Cement conform with C-150 (ASTM) .The plastering paste shall contain of 350Kg of cement , with 1m3 sand . Mortar paste components 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	600		
Sub total in USD					0

--	--	--