

REHABILITATION OF AL ZWITENA CLINIC

ITEM NO	JOB DESCRIPTION	UNIT	Quantity	Rate (USD)	Amount
1	Civil Work				
1.1	Removing any loose or damaged existing plastering by using the gridner and Hilti . The substrate must be sound, clean and free from oils, dust or surface contaminants. Remove any loose material using a GRINDER ensuring the surface (Plaster) remains tied and not loose . the unwanted materials shall be dumped to designated dump area (The rate includes the charge for heavy vehicle to dump materials to the designated area in AL ZWITENA)	LUMP SUM	NA		
1.2	Repairing the damaged PLASTER and the ceiling 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 , Sika latex (1:4 latex:water) . Mortar paste compontes shall be mix with clean drinkable water to achieve the desired adhesive consistency . (The price includes plastering work with metal mesh must be put up at the damaged walls) NOTE : THE DAMAGED PLASTERING DESCRIBED AS MAJOR CRACKS WITH 1 -1.5CM THICK	LUMP SUM	NA		
1.3	Pouring C 20 Lean concrete (SCREED) with METAL MESH in order to protect the floors from Cracking with minimum thickness 15 cm on the compacted Soil Subgrade ensuring the concrete is placed into formwork (shuttering) . The concrete flooring shall be as A PARCKING FOR AN AMBULANCE (To fit One Car only)All according to the UNICEF Construction Engineer	M2	30		
1..4	Carry out Block Work for the AMBULANCE PARKING . 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 All according to the UNICEF Construction Engineer	M2	12		
1.5	Supplying and installation of Metal Panel (SHED FOR AMBULANCE) at the roof sealing off any gaps by using appropriate cealer and the bitumen if required .The price must include Supply and Installation of Metal Bars in order to stabilize the METAL PANELS .All according to the UNICEF Construction Engineer	M2	30		
1.6	Construction of One ROOM (4@6 M) Size and 3.20 m high (An Administrative Office)				
1.6.1	Excavation at Soil or Subsoil (Rocks or Clay) in approx depth of 70 cm for the Construction of One room with 4@6 meter size the Excavation for 4 footings The digging out shall be by using the Air Comprssor manuell jack hammar The item shall includes the dumping the unwanted material to the designated dumping area	M3	3		
1.6.2	Pouring (C25) Reiforced concrete For Isolated Footing with 100@100cm Shuttering Size and 50 cm thick with 5@14 / m 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) , Note: Concrete cover of 5 cm must be done in all directions .	M3	3		

1.6.3	Pouring Reinforced concrete (C25) For Tie Beams with 20cm @40cm cross section with 3 \varnothing 14 mm at the top and 3 \varnothing 14 mm at the bottom with \varnothing 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		
1.6.4	Supplying and laying down Backfilling Materials (From the insourced Location or outsourced Fine Crushed stones) . The rate must include the soil compaction by using Soil Plate Compactor. Note : The laydown and leveling shall be made in layers with 30 cm thickness each layer	M3	24		
1.6.5	Pouring (C15) Concrete Screed with 10 cm thick on the compacted soil .The concrete shall be poured and leveled by using the Concrete vibrator, trowels and finishers tools to achieve the required surface smoothness , All according to the UNICEF Construction Engineer	M2	24		
1.6.6	Pouring (C25) Reinforced concrete SOLID SLAB with 12.5 cm thick with rebars 5 \varnothing 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	6		
1.6.7	Pouring (C25) Reinforced concrete BEAMS with 20 cm thick and 40 cm High with rebars 3 \varnothing 12 mm / m Bottoms, 3 \varnothing 12 mm at the top . 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	3		
1.6.8	Pouring (C25) Reinforced concrete COLUMNS with 20 @40 cm dimensions 6 bars with \varnothing 14 mm diameters 15cm stripps (\varnothing 6mm) 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	2		
1.6.9	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 Enginee	M3	1		
1.6.10.	Carry out BLOCK WORK for (Administrative Office) 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	M2	75		

1.6.11.	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 composites shall be mix with clean drinkable water to achieve the desired adhivise 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		
1.6.12	Supply , Laying down, and installation of CERAMIC tiles non slip for the (Administrative Office) floors by using an appropriate Cement Paste and finishing off using the approved grout and levelling according to the UNICEF Engineer	M2	35		
1.6.13	Supply and Installation of marbles for window And door at Administrative Room . Carrara marble shall be used with 20mm thick, Installation shall be made by glueing small size of aggregate (5-10)mm on the back side of marble, glue must dry out . Preparing mortar past which is made from 350kg of Ordinary Portland Cement and 1m3 of sand with 1.5m3 of crushed lime stones (Less than 5mm diameter size) all compontes shall be mixed with desired quantity of water to achieve workable consistent mortar paste .	M	12		
1.7	Pouring C25 Concrete for Construction of one ISOLATED FOOTING for the Fiber Water Tank with 5000 Liter Capacity . The size of footing is 2.5@2.5 with 15 cm thick and 5 Ø12 / meter in both direction . The shuttering must be done on compacted subgrade	LUMP SUM	NA		
1.8	Clearing off for the entire Clinic and dumping the unwanted materials and debris into the designated dumping area Cutting off all the tree , removing and extracting the roots and cutting the grasses Note : The roof with approx 250 m2 shall be included in the clearing . All according to the UNICEF Construction Engineer	LUMP SUM	NA		
2	<u>Sanitary, Sewerage and Water Supply Work</u>				
2.1	Installation of Swirl contract deck-mounted metal head for the toilets 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	5		
2.2	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	5		
2.3	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	-		
2.4	3/4 pipes of PPR (CALDE OR SMARTHOME are preferable or any equivalant brand) attached and not limited to the followings :	M	75		
2.5	Stop valve 20mm size	Item	5		
2.6	Socket end cap 20mm size	Item	15		
2.7	Female threated brass adaptor coupling with nut of 32mm*3/4inch	Item	12		

2.8	Reducing tee 25*20mm	Item	8		
2.9	Reducing Elbow25*20mm	Item	7		
2.10.	Trap Elbow	Item	8		
2.11	Multi floor drain trap200*200	Item	6		
2.12	Coupling 20mm	Item	10		
2.13	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	4		
2.14	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 installion of new automatic electrical switchers)	Item	2		
2.15	Supply and Installation of Water Tank with 5000 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	1		
3	<u>Painting Work</u>				
3.1	Painting using Emulsion paint for the internal walls using an approved colour and manufacturer . Paintin with two coats using paintig paste(PUTTY)* before painting if nessessary finishing off the work according to work specfications . Painting Pack shall be mixed with the required quantity of water which is referred on the product technical datasheet (The paints must be anti Bacterial Paints)	M2	400		
3.2	Painting using Emulsion for all external walls using one of the following product weather shield paint of approved colour and quality t ,Paint shall be from approved colour with approved manufacturer. Painting with two coats (faces) .Finishing off the work according to work specfications . Painting Pack shall be mixed with the required quantity of water which is referred on the product technical datasheet using an approved products , using similar product to the exsiting paint	M2	370		
3.3	Painting using Primer for the internal walls using the approved product ,Paint shall be from approved colour with approved manufacturer. Painting with two coats using paintig paste before painting if nessessary finishing off the work according to work specfications . Painting Pack shall be mixed with the required quantity of thinner which is referred on the product technical datasheet	M2	250		
4	<u>Aluminium Work</u>				

4.1	Supply and install sliding and two way opening(Note : This opening could be changed accordingly) windows powder coated aluminum windows with different sizes The aluminum profiles shall be C50 or Equivalent profiles, including approved accessories,handles, 4mm thick tinted glass, rubbersetc.; all in accordance with the Engineerinstructions and approval.	-	-		
	Door (2000@1000mm)	M2	2		
	Window (2000@1500mm)	M2	3		
5	<u>Electrical Work</u>				
5.1	Installation of electrical Switches 16 A and (220 – 240 V) (ABB, Edison, Clipsal or equivalent products ,(including supply of earth wire & all other material required) finishing off the work professionally all according to the UNICEF Engineer	Item	10		
5.2	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	12		
5.3	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	25		
6	<u>Airconditiong Works</u>				
6.1	Supply, install and maintain wall mounted invertor split air-conditioners. The price shall include one year Warranty, wiring, electrical connections, drain pipes to the nearest drain points, water proof on-off switch on the external units, galvanized steel holders/stands, opening in walls by coring machine, closing holes with sika sealant, gas and oil charging. The units shall be according to below specification	Item	5		
	Capacity-16000 BTU				
	Pre charged with Eco. Friendly R 410A.				
	Washable screen anti bacterial filtration				
	Low Ambient Heating Temp.				
	Power supply source-V/Ph/Hz-208-230V-1-60 Hz				
	Digital, Multi-function LCD Remote Control				
				SUB TOTAL IN USD	0

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