



# KINGDOM OF SAUDI ARABIA THE SAUDI FUND FOR DEVELOPMENT (SFD)

## PROJECT NAME

Reconstruction and repair works of more than 150 effected houses for non-refugees and Rehabilitation and Furniture for field playgrounds and a culture center

#### Lot# 12

Construction of The western grand stand in Beit Lahia playground

#### DONATED BY

Kingdom of Saudi Arabia through the Saudi Fund for Development (SFD)

#### **EMPLOYER**

United Nations Releif and Works Agency (UNRWA)
Through United Nations Development Programme (UNDP/PAPP)

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# Form F: Price Schedule (Bill of Quantities)

1 .The Price Schedule must provide a detailed cost breakdown for each item.

allow UNDP to determine compliance of Bid with specifications as per Schedule including its subsidiary organs, is exempt from taxes.

diskette (IBM compatible).

				Unit Rate	Unit Rate	Total
Item No.	Description	Unit	Quantity	US\$	US \$	Amount
				(letters)	(Numbers)	US \$
Bill No.	(1).Excavation And Earth works.					
	Excavation And Earth works for new buildings					
	The contractor must submit reports for the exisiting					
	activities and materials on the project site supported with					
	photographs before work start and take approval to start the work.					
	Contractor shall take into consideration that all – direct and					
	indirect works and expenses required for the completion of					
	the coming items are included in the uint price.					
	All works must be according to drawings, specification and					
	engineer instructions. Rates shall include:					
	1. Shore up the sides of excavation and take all precautions					
	to keep the adjacent buildings and existing infrastructure utilities (sewage, water, electricity, telecommunication and					
	pavement works )safe. And repair any damage occure in					
	the site. And repair any damage that occcur in the site. Any					
	damages to any utility or structure will be repaired at the					
	contractor's expense.					
	2. Cleaning the site and removing all debris and rubbles to					
	approved dump site.					
	3.Approval of Bench mark and leveling network before excavation works.					
	4. Backfilling in layers not more than 25cm thick for each layer and compaction to 97% of MDD.					
	5. Safety precautions to protect neighbor utilizes and persons. Including steel fence					
	6. All required Tests should be accommedated by an approved lab.					
	7. Laying out the structure coordinates to be carrid out by					
	profesional surveyor using total station device.					
	8.price include leveling and backfilling from imported					
	sand to make up level around buildings up to the top of					
	external ground beams levels.					
	9. The site exists in premises for sport club that is used					
	during implementation. Accordingly, safety measures to protect the people, buildings and utilities will be strickly					
	applied including steel fence. The unit rates include all					
	such costs.					
	10. Price shall include the cost of all needed testing of					
	works or material that will be done by approved lab.					
	11. Price will include costs of cleaning the site and					
	reinstallation of pavements that may occur to the					
	satisfaction of the engineer.					
	Cleaning and removing the existing debris, beams,					
	galvanized Fences and unused materials from inside and around the playground and transporting outside the site as					
	directed by the Engineer.					
	Safe dismantle to the existing grass, irrigation networks,					
	galvanized fences and any installations. And transporting it					
	to any places sellected by engineer and excavate the soil					
	below to reach the subgrade					

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
	leveling the existing ground level to the approved levels including cutting and Backfilling in layers not more than 25cm thick for each layer and compaction to 97% of MDD. All required Tests should be accomplish by an approved lab.  All the above mentioned and following specifications is part of the contractor obligations.					
1/1	Excavation in any soils until level below the foundation including backfilling with imported sand material around, foundations & any other element up to ground slab level in layers not more than 25cm thick for each layer with compaction to 97% of MDD. The price also includes transportation of surplace unwanted excavated material to approved dump area according to supervision engineer's instructions. Water and necessary equipment all according to engineers's instruction.	LS	1			
1/2	Supply, fill & compact Kurkar material with (CBR> 30) under the main building foundations including excavation (the mentioned soil improvement area) in two layers 30cm thick each layer (MDD 98%), to comply with the design bearing capacity of not less than (18 Kg/cm2). The work must be carried out according to the specifications, design drawings & the engineer's instructions (three load plate tests are required to verify the result)	M <sup>3</sup>	300.00			
	Total Bill No.(1)					

Item No.	Description	Unit	Quantity	Unit Rate US \$	Unit Rate US \$	Total Amount US \$
Bill No	.( 2).Concrete Works.			(letters)	(Numbers)	
	Rates of Concrete Works shall include:-  1. All form works and shuttering (new lumber for shuttering painted by special oil ) in any form, shape and size . Making chamfered and curved edges, allowing for and making grooves and sleeves and using Tie Rods (Batant) for concrete walls; removal of forms and cleaning of all exposed tie wires and rods. Steel forms must be used in shuttering the external decorations.  2. Fuel or burned oil is not accepted to be used for painting the lumber before using the form.  3. Supplying, Casting, vibrating and curing as per specifications.  4. Approved additives and admixtures.  5. Incurred costs on New Concrete Job Mix Designs, Sampling, testing and providing test results certificates, storing and saving of samples for all types of concrete works.  6. Painting of exposed surfaces of underground reinforced concrete elements with two coats of hot bituminous paint (75/25) after primer layer, the strokes of each layer to be opposite to each other.  7. Preliminary installations for Electrical, plumbing and floor drainage in floor slabs including final floor slab.  8. Compaction and testing under the foundation, ground beams, and ground slabs, the compaction should not be less than 97% of MDD. Rates will include water, equipment and all needed to complete 10. All works according to specifications, drawings and supervisor engineer instructions  11. Rates for reinforced concrete works shall include supply, fabricate and fix reinforcement steel (fy= 410 N/mm2) for all the structural elements according to drawings and engineer's instructions for any grade, size and length as detailed in the drawings, storing on site including cutting, bending and fixing in position and providing all tying wires, spacers, shop drawings, testing and bar bending schedules. All works according to specifications, drawings and supervisor engineer instructions					
2/1	Supply and cast plain concrete B (200) kg/cm2 for foundation including polythene sheets as per specifications and drawings.	$M^3$	16			
2/2	Supply and cast ready mix reinforced concrete B (300) kg/cm <sup>2</sup> for foundation for the spectators.	$M^3$	60			
2/3	Supply and cast ready mix reinforced concrete B (350) kg/cm <sup>2</sup> for columns and column necks for the spectator.	$M^3$	40			
2/4	Supply and cast ready mix reinforced concrete B(250) kg/cm <sup>2</sup> for ground beams, secondary beams, Price include excavation and backfilling according to specifications and engineer instructions .including polythene sheets under the beams.	$M^3$	52			

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
2/5	Supply and cast ready mix reinforced concrete B(250) kg/cm² for the ground slab 10cm thick with reinforcement \$\phi10mm@20\$ cm in both directions, including polythene sheets under the slab. and compacting the soil beneath the slab to 97% of MDD.	M2	450			
2/6	Supply and cast ready mix reinforced concrete B (250) kg/cm2 for lintels, sills and external decorations for the spectator and external works.	M <sup>3</sup>	20			
2/7	Supply and cast ready mix concrete B (300) kg/cm2 Fair Face type (Using Fairface concrete in addition to plywood shutter to give fairface shape) for stairs, landing, terraces, seatings, stands, solid aslabs, including beames, inverted and drop beams making chamfers edge to the external edges and Mechanical trowler finish.	M <sup>3</sup>	225			
2/8	Supply and fix polystyrene sheets 40mm thick and applying mastic sealant 2cm deep and aluminum strip 10 cm wide or aluminum angle 4*4cm for expansion joints as per specifications and drawings.	L.m.	70			
2/9	Supply and install foundation for 30 m length hot galvanized steel lighting pole. including reinforced concrete B250 with dimensions (300*300*300)cm, galvanized steel base, steel base plate 5 cm thickness with dimensions 1.3X1.3 m2 with all accessories according to drawings and engineer's instructions. price include excavation and backfilling in layers with 25 cm watering and compaction to 97% MDD.	No.	4			
	Total of Bill No.( 2).					

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
Bill No.	( 3).Building Works.					
	Rates shall include:  1- supplying hollow or solid cement block from good and approved factory in perfect dimension and of compressive strength 35 kg/cm² for hollow block and 60 kg/cm² for solid block. This item will include workmenship, cement mortars, reinforced concrete infill (B250) between columns & block walls (10-20 cm wide) with 1Ø8mm/40cm horizontally and 2Ø8mm vertically according to drawings, pipes encasement, false columns 20x20 cm/4.0m with 4Ø10mm @20 cm and bituminous paper between block work and drop beams & all requirements needed to finish the works according to the drawings, specification and to the supervision engineer instructions.					
	<ul><li>2- Providing samples for approval and all the required tests.</li><li>3- Curing of block and concrete works as per specifications requirements.</li></ul>					
3/1	Supply and build hollow cement block 40x20x20cm	$M^2$	800			
3/2	Ditto but 40x20x 15 cm thick for internal walls.	$M^2$	100			
3/3	Ditto but 40x20x 10 cm thick for internal walls.	$M^2$	300			
3/4	Supply and build solid cement block 40x20x20 cm, under ground beams, and external boundary for building including painting the buried parts with one coat of primer and two coats of hot bitumen paint layer 75/25.	$M^2$	40			
	Total of Bill N	o.( 3).				

Item	2			Unit Rate	Unit	Total
No.	Description	Unit	Quantity	US \$ (letters)	Rate US \$	Amount US \$
Bill No.	(4).Plastering Works.		<u> </u>	(100000)		
BIII NO.	Unit rates shall include the cost of: Supply of all needed materials, including galvanized angles for the corners, windows and external decoration as well as the use of galvanized wire mesh between concrete and block work.  Preparation works by covering all conduits of electricity, water supplies, etc, with a galvanized wire mesh at least 20cm width coated by mortar (1:1) cement: sand in layers and the work includes removal of wires and nails and trimming of concrete clipping and cleaning of surfaces to be ready for plastering.  Contractor shall take into consideration that all – direct and indirect works and expenses required for the completion of the coming items are included in the uint price.  The work shall include checking out all of the preliminary installation in ceilings and walls such as electrical, water supply and waste water pipes and repairing the damages if any.  This should be done prior to commencement of plastering and after obtaining a written approval from the supervision  Curing with water for at least three days for each coat.  Providing scafolding to carry out the external and internal					
4/1	works safely.  Internal Plastering  Supply and make internal plastering 13 mm thick for ceiling, soffits and walls. The work includes rough primer nail rendering to form a key with (mix 1:1) cement sand, second layer 13mm: Base-Coat "Rendering" with (1:3:0.25) cement: sand mortar: lime and third layer: Finishing Coat with (1:1:1) cement: sand mortar: lime. Works include all materials needed to finish the works according to specifications, drawings and supervisor engineer's instructions	$M^2$	2400			
	External Plastering					
4/2	Supply and make external plastering 18 mm thick with three coats: the first is the rough nail rendering (mix 1:1) cement sand; the second is 5mm thick mortar (mix 1: 2) cement:sand, the third is the undercoat 13mm (mix 1: 3:0.25) cement:sand:lime, according to specifications, drawings and supervisor engineer's instructions	M2	1250			
4/3	Supply and make one coat of primer and colored external plastering (Italian plastering) according to specifications ,price includes drawings and logos specified by the supervisor engineer's instructions. Colores will be sellected by engineer.	$M^2$	1250			
	Total of Bill No.(4)					

Item	Description	Unit	Quantity	Unit Rate US \$	Unit Rate US \$	Total Amount
No.	Description	Onit	Quantity	(letters)	(Numbers)	US \$
Bill No.	(5). Tiling and Marble Works.					
	All works must be according to drawings, specification and					
	engineer instructions. Rates shall include:  1. Samples for approval and all the required tests.					
	Cleaning, mechanical polishing and pointing using grout.					
	3.Insulation works under ceramic floor tiles for upstairs bath					
	rooms and kitchens using primer coat, two hot bitumen coats					
	(75/25)					
	4. Plastic angle beads for ceramic wall tiles and Aluminum					
	angle for ceramic of walls at the corners and top and sides of ceramic edges.					
	5. Local marble must be Grade (A) free cracks and clay					
	flaws.					
	6. Measuring the stockpiled quantities of tiles at supplier					
	store and obtaining the engineer approval prior to shipment to the site.					
	7. Transporting and carefully handling the stored quantities					
	in the site.					
	Supply and install Marble chips floor tiles grade A, size					
5/4	25cmx25cmx2.5cm laid on 2cm mortar bed and 5 cm thick	2	440			
5/1	sand bed including skirting 25cmx 7cmx1cm and all needed materials as per specifications, drawings and supervisor	$M^2$	440			
	engineer instructions					
	Supply and fix non-slip color ceramic floor tiles Grade A					
	Spain made or equivalent, size 45x45x0.80cm for bath					
	rooms, toilets, kitchens, bedded on cement and sand mortar					
5/2	2cm thick 1:3 laid on a dry mixed sand and cement backfill,	$\mathbf{M}^2$	120			
	the price including skirting 7cm height wherever no wall tiles required, pointing using special pre-mix grout and					
	final polishing as per specifications, drawings and					
	supervisor engineer instructions					
	Supply and fix colored glazed ceramic wall tiles, Grade A					
	Spain made or equivalent, size 25x40x0.60cm for bath					
	rooms, toilets, kitchens, bedded on cement and sand mortar 2cm thick 1:3 to walls. Price to include lime free key nail					
5/3	rendering (1:1) mix then plain plaster layers and pointing	$M^2$	600			
	using special pre- mixed coloured grout as specifications,					
	drawings and supervisor engineer instructions					
	Supply and install Rosa bitta for window sills and Doors					
5/4	entrances 3cm thick laid on 2 cm thick mortar bed including polishing and grooving as approved by the representative	m2	25			
	engineer and as specification and drawings.					
	Supply and erect Rosa bitta counter top 60cm wide for					
	kitchen cupboard, including Rosa Bitta shelves and vertical		1			
	dividers, back of cupboard, floors and skirting in addition to					
5/5	sealing periphery by raised marble parts to block water seapage. Vertical dividers and floor should be 3cm thick, but	L.m	4			
	back and shelves 2cm, making opening for kitchen sink with					
	size (60cm x40cm), and another siutable opening for gas					
	pipe. as per specification, drawings and engineer instructions					
	Supply and erect Rosa bitta stair treads size 35 cm wide x					
	3cm thick chamfered once, rebated once and laid on 2cm					
5/6	thick mortar and the price including Rosa bitta stair risers size 12.4cm high x2cm thick and skirting 20cm high x2cm	L.m	70			
	thick on the both sides, grouting and polishing as		1			
	specification and drawing.					
	Supply and install granular plaster coating (Granulite)					
5/7	according to specifications, and engineer's instructions for	m2	50			
Total	ramps floors and walls.		1			
i otal of	Bill No.(5)					

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
Bill No.	(6). Painting Works.					
	Rates include:  1-All the painting materials used should be approved and tested by approved local laboratory and have the final approval from the supervisor engineer.  2- The surface must be dry and clean before painting.  3- All painting works should provide the required coverage.  4- All paint works should be according to specifications, drawings and supervisor engineer instructions.  5- Contractor shall take into consideration that all – direct and indirect works and expenses required for the completion of the following items are included in the uint price.  7- Providing scafolding to carry out the external					
6/1	and internal painting if required.  Supply and Paint the ceiling with at least two coats of colored (Poliside) approved as specifications, drawings and supervisor engineer instructions	$M^2$	800			
6/2	Supply and Paint the internal walls with one coat of Pendrole primer and at least two coats of colored internal supercryle approved as specifications, drawings and supervisor engineer instructions	$M^2$	1600			
	Total of Bill No.(6).				_	

Item				Unit Rate	Unit Rate	Total
No.	Description	Unit	Quantity	US \$ (letters)	US \$ (Numbers)	Amount US \$
Bill No.(	7). Metal works.			(lottoro)	(Italiibolo)	υυ ψ
	All works must be according to drawings, specification and engineer instructions. Rates shall include:  1.Submitting samples for approval of material, accerrories, color and fixation method.					
	2.Hard ware locked type Viro switch or equivalent for all doors, door stopper ,and all other accessories.					
	3.All metal works include the fixation for frames, leaves, concrete and all required material and accessories according to the engineer's instructions.					
	4. Painting after grinding and filling all the voids with putty, applying primer coat and oil paint. In in case of galvanized steel the primer should be poly zinc.					
7/1	Supply, fix and paint galvanized steel door SD1 (150 x220cm) complete with frame 2mm thick,ironmongery, hardware and all accessories as latches, locksetc as per specifications, drawings and engineer instructions	No	3			
7/2	ditto but SD2 (100 x220cm) .	No	6			
7/3	ditto but SD3 (165 x220cm).	No	2			
7/4	Supply, fix and paint galvanized stee SD4(100 x160cm),), complete with frame, ironmongery, hardware and approved switch and all requirement as latches, locksetc. as per specifications and engineer instructions	No	1			
7/5	Supply and fix galvanized steel double external door SD5(250 x260x4cm), complete with polycarbonate sheets (6-mm thick), frame 3mm thick, ironmongery,including decorated, hardware and oil painting include primer and under coat, with Viro switch and all requirement as latches, locksetc. as per specifications, drawings and supervisor engineer instructions	No	1			
7/6	Supply and fix Protection steel for windows according specifications, drawings and supervisor engineer instructions	M2	60			
7/7	Supply and fix handrail steel as per specifications , drawings and engineer instructions	L.m.	120			
7/8	Supply and install a complete players bench with the specified dimensions and type in the drawings including galvanized steel, fiberglass,polycarbonate, 23 chairs, reinforced concrete foundations and all requirements as per specifications, drawings and supervisor engineer instructions	No.	2			

				Unit Rate	Unit Rate	Total
Item	Description	Unit	Quantity	US \$	US \$	Amount
No.	·			(letters)	(Numbers)	US \$
Bill No.(	7). Metal works.  Supply, install and fix a mild steel structure shed					
	for the spectator of playground according to the drawings, specifications and the Engineer instructions, price including.  - steel columns and base plates including the needed double steel base 35*35*10mm thick, 4Ø18 (80cm Long) galvanized steel screws, for the shed foundation					
7/9	<ul> <li>covering from top and sides with 0.55mm thick galvanized corrugated roof sheets, including Galvanized steel screw with PVC rubber to prevent leakage. considering that 10% of the covering top and sides will be clear (polycarbonate sheets)</li> <li>Draingse system of 4" UPVC PIPES SN8 with required fittings, gutters aaccording to the drawings.</li> <li>Closing all openings according to specifications, drawings and the engineer instructions.</li> <li>Measurement on the horizantal projection(the dimentions will be mesured from the external sides of the column) Only</li> </ul>	m2	490			
7/10	Supply and fix galvanized Fences around playground with height 2.8m consist of galvanized steel box section (80 x80x3mm) for columns ,galvanized steel box section (40 x40x3mm) for horizontal strengthening, the price include galvanized steel mesh size 50x50x3mm complete with all accessories ,galvanized steel wire 5mm th. /55 cm , G.S. plates for fixing and topcover for columns , painting include primer and under coat, etc. as per specifications , drawings and engineer instructions	M2	520			
7/11	Supply, fix and paint galvanized steel double gate SG1 (340 x280cm), complete with frame, ironmongery, hardware and approved switch and all requirement as latches, locksetc. as per specifications and engineer instructions	No.	1			
7/12	Supply, fix and paint galvanized steel double gate SG2 (170 x280cm), complete with frame, ironmongery, hardware and approved switch and all requirement as latches, locksetc. as per specifications and engineer instructions	No.	1			
	Total of Bill No.(7).		ļ	l .	<u> </u>	

Item   No.   Description   Unit   Quantity   Unit   Rate   Unit   Rate   Unit   Rate   Unit   S   Rate   Amount   Us   Us   Us   Us   Us   Us   Us   U					 	
All works must be according to drawings, specifications and engineer's instructions. Rates shall include:   1. Submitting samples for approval of material, accessories, color and fixation method.   2. Supply and install the required profile 7000 and 4500 with minimum thickness 1.5 mm from approved source by the Palestinian standard institution with all required accessories according to the engineer's instructions.   3. Hardware, ironmongery and accessories should not be plastic for all metal parts.     4. All tests for thickness and painting in addition to all site tests for water tightnessetc.		Description	Unit	Quantity		
All works must be according to drawings, specifications and engineer's instructions. Rates shall include:  1. Submitting samples for approval of material, accessories, color and fixation method.  2. Supply and install the required profile 7000 and 45000 with minimum thickness 1.5 mm from approved source by the Palestinian standard institution with all required accessories according to the engineer's instructions.  3. Hardware, ironmongery and accessories should not be plastic for all metal parts.  4. All tests for thickness and painting in addition to all site tests for water tightnessetc.  Supply and fix colored aluminum window section 7000 typeW1, overall size200 x120cm,sliding with three rails including fly screen leaf. complete with frame, glass 4mm thick, ironmongery accessories and hardware as per specifications and drawings and engineer's instructions.  8/2 Ditto but, Type W3 overall size200 x150cm  8/3 Ditto but, Type W3 overall size200 x60cm  No. 2  Supply and fix colored aluminum window louver typeW2, overall size 60 x 60cm. complete with frame, flycreen, glass strips 4mm thick, ironmongery and hardware as per specifications, drawings and engineer's instructions.  8/5 Ditto but, Type W4 overall size150 x 60cm  Supply, fix Aluminum single door section P1001 single leaves door type D5, for admin. Toilets overall size 80 x 220 x 4.5cm the price includes overall size 80 x 220 x 4.5cm the price includes overall size 80 x 220 x 4.5cm the price includes overall size and find plaulity European switch, iron mongeries and all required accessories to complete the work according to specifications and engineer's instructions	No.	· ·		_	US\$	US \$
specifications and engineer's instructions. Rates shall include:  1. Submitting samples for approval of material, accessories, color and fixation method.  2. Supply and install the required profile 7000 and 4500 with minimum thickness 1.5 mm from approved source by the Palestinian standard institution with all required accessories according to the engineer's instructions.  3. Hardware, ironmongery and accessories should not be plastic for all metal parts.  4. All tests for thickness and painting in addition to all site tests for water tightness etc.  Supply and fix colored aluminum window section 7000 typeW1, overall size200 x120cm,sliding with three rails including fly screen leaf, complete with frame, glass 4mm thick, ironmongery accessories and hardware as per specifications and drawings and engineer's instructions.  8/2 Ditto but, Type W3 overall size 200 x 150cm No. 2  Supply and fix colored aluminum window louver typeW2, overall size 60 x 60cm. complete with frame, flycreen, glass strips 4mm thick, ironmongery and hardware as per specifications, drawings and engineer's instructions.  8/5 Ditto but, Type W4 overall size150 x 60cm  Supply, fix Aluminum single door section P1001 single leaves door type D5, for admin. Toilets overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5cm the price includes overall size 80 x 20 x 4.5	Bill No.	(8). Aluminum works.				
shall include:  1. Submitting samples for approval of material, accessories, color and fixation method.  2. Supply and install the required profile 7000 and 4500 with minimum thickness 1.5 mm from approved source by the Palestinian standard institution with all required accessories according to the engineer's instructions.  3. Hardware, ironmongery and accessories should not be plastic for all metal parts.  4. All tests for thickness and painting in addition to all site tests for water tightnessetc.  Supply and fix colored aluminum window section 7000 typeW1, overall size200 x120cm,sliding with three rails including fly screen leaf. complete with frame, glass 4mm thick, ironmongery accessories and hardware as per specifications and drawings and engineer's instructions.  8/2 Ditto but, Type W3 overall size 200 x 150cm No. 2  8/3 Ditto but, Type W3 overall size 200 x 150cm No. 2  8/4 Fame, flycreen, glass strips 4mm thick, ironmongery and hardware as per specifications, drawings and engineer's instructions.  8/5 Ditto but, Type W4 overall size 150 x 60cm No. 6  Supply, fix Aluminum single door section P1001 single leaves door type D5, for admin. Toilets overall size 80 x 20 x 4.5cm the price includes 5 mm thick Composite board, 6mm Reinforced glass and high quality European switch, iron mongeries and all required accessories to complete the work according to specifications and engineer's instructions		All works must be according to drawings,				
1. Submitting samples for approval of material, accessories, color and fixation method. 2. Supply and install the required profile 7000 and 4500 with minimum thickness 1.5 mm from approved source by the Palestinian standard institution with all required accessories according to the engineer's instructions. 3. Hardware, ironmongery and accessories should not be plastic for all metal parts. 4. All tests for thickness and painting in addition to all site tests for water tightnessetc.  Supply and fix colored aluminum window section 7000 typeW1, overall size200 x120cm, sliding with three rails including fly screen leaf. complete with frame, glass 4mm thick, ironmongery accessories and hardware as per specifications and drawings and engineer's instructions.  8/2 Ditto but, Type W3 overall size 200 x 150cm No. 2  8/3 Ditto but, Type W5 overall size300 x60cm No. 2  Supply and fix colored aluminum window louver typeW2, overall size 60 x 60cm. complete with frame, flycreen, glass strips 4mm thick, ironmongery and hardware as per specifications, drawings and engineer's instructions.  8/5 Ditto but, Type W4 overall size150 x 60cm No. 6  Supply, fix Aluminum single door section P1001 single leaves door type D5, for admin. Toilets overall size 80 x 220 x 4.5cm the price includes 5mm thick Composite board, 6mm Reinforced glass and high quality European switch, iron mongeries and all required accessories to complete the work according to specifications and engineer's instructions		specifications and engineer's instructions. Rates				
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mongeries and all required accessories to complete the work according to specifications and engineer's instructions	8/6		No.	23		
complete the work according to specifications and engineer's instructions						
engineer's instructions		-				
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				Unit Rate	Unit Rate	Total
Item No.	Description	Unit	Quantity	US \$	US \$	Amount
	(9) Plumbing works			(letters)	(Numbers)	US \$
Bill No.	(9). Plumbing works  All Plumbing works include the required units and its accessories as described in the items and the rates include:  1- All the plumbing units should be from the best quality and has trade mark.  2- Submitting shop drawing for water supply and waste water networks for approval prior to commencement of the work.  3-Submitting samples for all required material with catalogue indicating its specifications.  4-All required tests, pressure for water net work, hydraulic test for sewage lines  5- Cleaning and disinfecting all water pipes.  6- Insulation of all galvanized water pipes and wrapping it with bitumen's sheets and protect pipes located under tiles with cement mortar. In addition to the insulation materials against heat loss for hot water pipes.  7- All hot and cold water pipes for the points of fixtures to the nearest distribution board.  8-All plumbing works ( wash basin, kitchen sink, gully traps,etc) include the connection to the trap, WC to the nearest vertical sewage header in the typical floors and WC in the GF to the nearest manhole and include all accessories including PVC S and caps for all the ends of pipes at parapet.  9- All external inspection elbows should covered by					
9/1	galvanized steel plate with thick 2mm.  Supply and fix white glazed fire clay hand wash basin size 56cm x43cm (Vitra type - grade A) or equivalent, complete with all water supply pipes 16mm (Golany) to the nearest distribution box (DB), waste fitting, trap, plug and chain, chromium water mixer (Egmatur, jack, wall mounted type or equivalent), mirror with 60*40 cm dimensions, glazed fire clay soap holder, and the drainage line 2" to the floor trap.	No	20			
9/2	Ditto but, for handicapped including stainlessteel fixed and movable supports	No	1			
9/3	Supply and fix white glazed fire clay sink 40x60cm (HARSA) or equivalent, complete with all water supply pipes 16mm (Golany) to the nearest distribution box (DB), waste fitting, trap, plug and chain, chromium water mixer (Egmatur ,jack, wall mounted type or equivalent), and the drainage line 2" to the nearest floor trap.	No	2			
9/4	Supply and fix bath shower mixer (Egmatur jack type) including sprayer, hose, stand, including all needed fittings, pipes, and connections to water network to reach the distribution box. The price include making suitable hunch in floor ceramic with size 70 x 70 cm including its floor trap, and all the discharge requirements to the nearest trap, all required fittings for work completion.	No	12			

Item			2	Unit Rate	Unit Rate	Total
No.	Description	Unit	Quantity	US \$ (letters)	US \$ (Numbers)	Amount US \$
Bill No.	(9). Plumbing works					·
9/5	Supply and fix white glazed fireclay European W.C. suite (Vitra type - grade A), or equivalent complete with heavy duty cover, 9 liter plastic double action flushing cistern, and fixed chromium plated tap 1/2" including all water supply pipes 16mm(Golany) to the nearest dist. box (DB), flushing hose sprayer, glazed fire clay paper holder, angle valves, UPVC drainage pipe connecting to the nearest manhole or sewage header as per specifications, drawings and supervisor engineer instructions.	No	8			
9/6	Ditto but for handicapped includes all stanlesssteel pipes and holders asper specifications , drawings and supervisor engineer instructions	No	1			
9/7	Supply and fix white glazed fireclay Oriental W.C. suite (Vitra type - grade A), or equivalent complete with heavy duty cover, 9 liter plastic double action flushing cistern, and fixed chromium plated tap 1/2" including all water supply pipes 16mm(Golany) to the nearest dist. box (DB), flushing hose sprayer, glazed fire clay paper holder, angle valves, UPVC drainage pipe connecting to the nearest manhole or sewage header as per specifications, drawings and supervisor engineer instructions.	No	4			
9/8	Supply & fix white glazed porcelain squatting W.C.for urinals (vitra type or equivalent) complete with porcelain flushing cistern, pipe hose, 1/2" dia. UPVC 100 cm long flushing pip hose for toilets, including paper holder tiled into block walls (size 15cmx15cm), 4" dia. P.V.C. drainage pipe to the nearest main drainage line, all needed accessories & the pipe concrete encasement. The price includes Rosabitta partition 2cm thick to be fixed into the wall with 40x100cm dimensions.	No.	6			
9/9	Supply and fix floor trap 4" diameter, 2.5mm thick for baths, kitchens and balconies, complete with concrete protection, heavy duty brass grating and 4"& 2" PVC drainage pipe to the nearest manhole or next vertical pipes including heavy duty S trap where needed as per specifications, drawings and supervisor engineer instructions	No	26			
9/10	Supply and install PVC pipes 3", for rain water drain, with 3" PVC vent with ballon and galvanized steel mesh for upper end of vertical pipes. The work include all Tees, bends, and all related work accessories and fittings according to the specifications, drawings and supervisor engineer's instructions.	L.m	40			
9/11	Supply and install UPVC 6" pipes , SN8 for external drainage, with sockets. The work includes excavating of trenches (depth up to 2.0m), bedding, compacted backfilling with clean sand, connecting to the manholes and hydraulic test according to the specifications and drawings	L.m	50			
9/12	Ditto but UPVC 8" pipes , SN8	L.m	70			
9/13	Ditto but UPVC 4" pipes, SN8  Supply and install pre-cast reinforced concrete manhole B300 of internal diameter 80 cm depth up to 2.0m,walls, founadtion and slab thickness 12cm according to the required level, with concrete roof & iron cover with frame 60cm opening, 25 ton bearing capacity, including excavation, backfilling, hunching and making good according to specification, drawing, and the engineer instructions.	L.m No	10			

				Unit Rate	Unit Rate	Total
Item No.	Description	Unit	Quantity	US \$	US \$ (Numbers)	Amount US \$
Bill No.	(9). Plumbing works			(		,
9/15	Supply and install pre-cast reinforced concrete manhole B300 of internal diameter 60 cm depth up to 1.50m,walls ,founaction and slab thickness 10cm according to the required level, with iron cover with frame 50cm opening, 8 ton bearing capacity, including excavation, backfilling, hunching and making good according to specification ,drawing, and the engineer instructions.	No	8			
	Hot and cold water system: Supply, install, test, operate, and sterilize the water system in each building. Rates include the connections and valves and all that is necessary for the operation of the system as per specifications, drawings and instructions supervising engineer					
9/16	Supply and install water distribution box with Rosa bitta frame 2.0cm thick including all needed accessories and fittings. The price includes all distribution headers; (Sagiv) valves on cold and hot water in addition to valves on all feeding point 16mm pipes in the D.B, air valves, aluminum leaves with locks frame and all required accessories as per drawings, specifications and engineer instructions. The size of DB is to fit the No. of outlets + 20% spare space.	No	7			
9/17	Supply and install, disinfect 20mm MDPE pipes for cold and hot water lines connected from water meter to roof water tanks and from roof water tanks to water dist. Box. The price include 4" PVC pipes embedded in the walls.	L.m	100			
9/18	Supply & install, water meter device, type (ABB) or equivalent 1", jointing, valves, non-returnvalves and connection to both feeder 1" galvanized steel pipes and 20mm MDPE pipes including galvanized steel box with locks for protection and all required fittings and accessories as per specifications, drawings and supervisor engineer instructions	No	1			
9/19	Supply, paint, fix and disinfect cold water storage plastic tank 1500 liter capacity with approved type not less than 32 kg weight, float valve, washing valve with all connections to the rising main and distribution pipe work and stop valves 3/4", and painted steel foundation from welded angles 45x45x4.5mm in dimensions 110x110x50cm, 5cm new hard wood on the complete area under the tanks, with all accessories as specification and drawings. the rate includes painting of the water tank.	No	4			

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
Bill No.	(9). Plumbing works			(		
9/20	Supply, install and operate solar water heating system with One panel mirror.  1.Panel mirror:  * include 11 Copper Pipes network 16mm Diameter and 0.8mm wall thickness  * aluminum frame with minmum thickness 4mm.  * reflective glass with thickness 3.8mm.  * corregated sheet made from pvc material.  * 1" diameter for outlet and inlet galvanized steel schedule 40.  2.hot water storage tank:  * made of steel 150 liter capacity, with thickness 3mm for intrnal tank,4mm steel top cover and 0.5 mm for External cover.with minimum 5 CM thisckness glasswool inssulation.  * internal coated with porcelain  * include compete thermostate, electriacl Flange and Magnesium plate  3. Painted PE cold water storage tank	No	1			
	* 1000 liter capacity. Including all fittings  * the weight at least 21 kg.  The work shall include supply and install hammer painted galvanized steel platform made of welded angles  40x40x4mm 2m high and 5cm thick new hard wood on the complete area under the tanks. The price includes connecting the system with the existing steel pipes in the duct at stair case with all needed cold & hot water pipes, ball valves, air release valves and all accessories. The exposed pipes should be heat isolated. All as per drawings, specification and engineer instructions.					
9/21	Supply and Install automatic a centrifugal pump , DAB , Speroni or equivalent, with capacity = 7 m3/hr and head equal 20 m. The item includes all the required fittings (valves, T, elbows, non return valves,. etc.), also the item includes pump control panel , electrical cable, disconnecting switch, and all materials required for installation and operation , and electrical float switches system for upper water tanks, the price includes electrical cables, signals ,with all needed pipes and civil works (concrete base), and all required accessories, and all as specifications , drawings and supervisor engineer instructions. the pump efficiency should be not less than 50% and the contract will submit technical data for approval.	No	1			
9/22	Supply and install HDPE pipe and fittings (3/4") internal diameter including , excavation & backfilling with clean sand , valves, jointing using all necessary fittings and fixing with brackets screwed to concrete or block work as specification ,drawings and engineer instruction.	L.m	100			
9/23	Ditto, but 1"	L.m	150			
9/24	Supply and cast foam concrete with fine aggregates for roof screeding of ranging thickness from 11 to 4cm and cement angle fillets size 5cmx5cm as per specifications, drawings and the engineer's instructions.	$M^2$	40			
9/25	Supply and lay one layer of plasticized bitumen roofing membrane with chipping 4 mm thick, including priming concrete surface prior to laying, dressing into rain water outlets to form water proofing seal and cover the angle fillets. The rate include verticals parts skirting as per specification and drawings.  Note: Measurement will be for the horizontal projection	$M^2$	40			
	Total of Bill No.(9).		•		•	

1.0				Unit Rate	Unit	Total
Item	Description	Unit	Quantity	US \$	Rate	Amount
No.	2			(letters)	US\$	US \$
Bill No.	(10). Landscap					
	- The Contractor has to submit Detailed Shop					
	Drawings to be approved by the Engineer before					
	commencement of the work, and all required					
	materials should be supplied as specified and					
	subject to the Engineer approval.					
	- The Contractor has to fix,maintain and replace					
	the under ground services that may be damaged during his work.					
	- All works has to be done according to the Engineer's instructions, Drawings and					
	- The Contractor should include in his price the					
	costs of sampling and testing as required and according to technical specifications and work requirement.					
	Price includes costs of removing and/or relocating					
	of all obstacles such as debris, garbage, trees,					
	existing clay base, Asphalt or concrete raod and					
	existing services in addition to the required					
	materials necessary for work completion according					
	to engineer's instructions and specifications.					
	- The Contractor should include in his price the					
	costs of cut and removal of trees roots,					
	backfilling, watering ,compaction in layers with					
	clean sand as specified and according to the					
	Engineer instructions, the price also include					
	relocation of Power, Telephone poles and					
	networks to sidewalk.					
	- Price include costs of adjusting the levels of					
	existing manholes (in any diameter) to suit the					
	new situation by adding rings with the same					
	diameter and thickness of the existing manhole.					
	according to engineer instructions. Replacing					
	covers, frames, rings if defected and all materials					
	and work required to complete the task  Note: the neck not to increase 25 cm.					
L	Price includes costs of cleaning all sewage network by using Jitter					
	Clean, excavate, cut and fill area around the					
	playground and spectator with clean dense sand					
	from natural ground level to the bottom of the					
10/1	sub-base layer design level including watering,	m2	500			
	compaction not less than 98% & CBR not less	-				
	than 15%, all according to drawing and technical					
	specifications .Price includes transferring the sand to site specified by engineer					
	to site specified by engineer					
	Supply and lay approved crushed stone base					
	coarse 15 cm thick with CBR > 80% to the					
40/0	approved levels . Price includes watering &	0	500			
10/2	compaction to reach 100 % of maximum dry density .The Grader machine must be used in	m2	500			
	spreading and leveling. The work includes all					
	tests as per specifications & engineer instructions,					

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$	Total Amount US \$
10/3	Supply and istall and compact of colored interlock tile8 cm thick. The price includes 5 cm clean sand under tiles, filling the bed joint between tiles with clean sand, compacting, and the work includes all test as per specification and engineer instruction. The shape and color of interlock tiles to be approved by engineer	m2	500			
10/4	Supply and cast ready mix reinforced concrete B(250) kg/cm <sup>2</sup> for ground beams, secondary beams, ground beams for the boundary walls and fence. Price include excavation and backfilling according to specifications and engineer instructions .including polythene sheets under the beams.	$M^3$	12			
Total of Bill No.(10).						

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
Bill No.	11 (Electrical Works)					
<b>5.11</b> 1.00	* supply and install of the electrical works as per drawings, specifications, and engineer's instructions. The price of the following items includes, all necessary junction boxes, wires, cables, conduits, clamps, bolts, civil works, connectors and connecting all cables * All installation shall be in accordance with: * The drawings , specifications and instructions and approvals of the supervisor engineer. * The price includes safe Dismantle , removing and Reconnect Existing all Cables with all Accessories in a New MDB's and other distribution boards, According to drawings the supervisor engineer instructions *. The unit price includes all Preliminary installations and foundation works for Electrical and telecommunication in floor slabs, walls and grounds if needed with all required wires, conduits, fittings, boxes, accessories and any other needed materials to complete the job as per engineer instructions. The contractor should refer to the drawings , specifications					
	and other Contract Documents .					
	The prices will be deemed to include for the full cost as described in all Documents.					
11.01	Lighting Fittings					
a.	Supply and install surface mounting led lighting fixture, including LED lamps 2x16W, 1200mm,230V, not less than 100 Lumen/W, daylight 6500 K complete with lamps T8, driver, and needed accessories.  The price includes wires, conduits, fittings, boxes, accessories and any other needed materials and workmanship to complete the job as per drawings, specifications and according to supervisor engineer instructions.  (Type is GAASH or equivalent brand name).	No.	45.00			
b.	Ditto, but LED water proof IP65, including LED lamps 2x16W, 1200mm ,230V,not less than 100 Lumen/W , daylight 6500 K complete with lamps, The price includes external pvc pipe with bundle cables 3x1.5mm2 for external works only ,with all fittings, accessories and any other needed materials and workmanship to complete the job as per engineer's instructions. (Type is GAASH or equivalent brand name).	No.	4.00			
c.	Supply and install ceiling mounted round LED light					
	luminaire (for Toilets and internal use) 14 watt with					
	driver ,220 V, more than(75-80 L/watt) ,warm light		No. 41.00			
	complete with all needed accessories. The price includes					
	wires, conduits, fittings, accessories and any other needed	No.				
	materials and workmanship to complete the job as per					
	drawings specifications and the engineer's instructions.					
	(Type is GAASH or equivalent brand name).					

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Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
d.	Ditto, but round bulk head light, water proof IP65, LED					
	lighting glob 15W. (for staircases & corridors outdoor					
	use), more than (80 L/watt) warm light complete with all	No.	26.00			
	, , , , , , , , , , , , , , , , , , , ,					
e.	needed accessories. (Type is GAASH or equivalent).  Supply, install, connect & test 50 W LED Projector flood					
	light with driver ,220 V, not less than (100 L/watt),					
	warm/cool light complete with all needed accessories.					
	The price includes supply and install XLPE cables 5x2.5					
	mm2 from panel to J. box , and XLPE cables 3x1.5 mm2					
	from fixtures one by one, with all needed , water proof	Unit	24.00			
	boxes, external pvc conduits , fittings, screws, accessories					
	and any other needed materials and workmanship to					
	complete the job as per drawings specifications and the					
	engineer's instructions. (Type is Matix / Liper or					
11.02	equivalent) Electrical Fans					
a.	Supply, install, connect and test 56" Ceiling Fan complete					
	unit with switch, PVC conduits, J. boxes, wiring, and all	No.	14.00			
	necessary accessories. (Type is CHMC or equivalent).					
b.	Supply, install, connect and test 6-inch extractor fan with					
	300 m3/h capacity, complete with PVC conduits, J. boxes,	No.	22.00			
	louvers, mesh, wiring, and all necessary accessories. (Type is Venta or equivalent).					
c.	Supply, install, connect and test 8 inch extractor fan with					
	400 m3/h capacity at minimum , complete with PVC					
	conduits, J. boxes, louvers, mesh, wiring, and all necessary	No.	1.00			
	accessories. (Type is VENTS or equivalent Brand Name).					
11.03	Switches:					
a.	Supply, install connect and test single pole one-way switch,					
	220v, 13A, complete with PVC conduits, Boxes, wiring,	No.	10.00			
	covers and all necessary accessories. (Type is GEWISS					
b.	CHORUS or equivalent).  Ditto (a), but water proof type. (Type is GEWISS CHORUS					
]	or equivalent).	No.	10.00			
c.	Ditto (a), but water proof for external works only ,the					
	price includes external pvc pipe with bundle cables,					
	external box, with all fittings, accessories and any other needed materials and workmanship to complete the job as	No.	1.00			
	per engineer's instructions. (Type is GEWISS CHORUS or					
	equivalent).					
d.	Ditto (a), but one way, double pole switch.(Type is	No.	6.00			
e.	GEWISS CHORUS or equivalent). Ditto (d), but water proof type. (Type is GEWISS CHORUS					
с.	or equivalent).	No.	21.00			
f.	Ditto (a), but two way switch, one pole.(Type is GEWISS	No	2.00			
	CHORUS or equivalent).	No.	3.00			
g.	Ditto (f), but double poles. (Type is GEWISS CHORUS or equivalent).	No.	2.00			
h.	Ditto, but push button with illuminated lamp .(Type is					
	GEWISS CHORUS or equivalent)	No.	4.00			

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
11.04	Sockets:					
a.	Supply, install connect and, testing single socket outlet					
	16A, 220v, 2p+E for flush or surface mounting, complete	N.	45.00			
	with PVC conduits, Boxes, covers, wiring, and all necessary	No.	45.00			
	accessories. (Type is GEWISS CHORUS or equivalent)					
b.	Ditto(a), but water proof type.(Type is GEWISS CHORUS or	No.	0.00			
	equivalent)	NO.	8.00			
c.	Ditto(a), but water proof type for external works only ,the					
	price includes external pvc pipe with bundle cables,					
	external box with all fittings, accessories and any other	No.	1.00			
	needed materials and workmanship to complete the job as	NO.	1.00			
	per engineer's instructions. (Type is GEWISS or					
	equivalent)					
d.	Supply, install connect and, testing W.H switch, 230V, 20A,					
	with pilot lamp, flush type for water heaters. The price		7.00			
	includes all needed pvc pipes, boxes , 3X4 mm2 XLPE cable from SDB to switch & switch to electrical heater (Type is	No.	7.00			
	GEWISS CHORUS or equivalent)					
e.	Supply, install telephone socket outlet 6 pin for					
	surface/flush mounting, complete with PVC conduits,					
		No.	4.00			
	J.boxes, covers, cables 2P(2X0.5mm2), and all necessary					
	accessories. (Type is GEWISS CHORUS or equivalent).					
f.	Supply, install computer socket outlet complete unit with					
	covers and all conduits and cat6-SFTP cables – DLINK type	No.	6.00			
	from the socket to the sub-computer junction box. (Type is	110.	0.00			
	GEWISS CHORUS or equivalent Brand Name).					
g.	Supply, Install TV outlet socket. with Coaxial cable high					
	quality Brand and complete with pvc conduits and all					
	accessories from TV sockets to Junction Box to complete	No.	7.00			
	the job.(Type is GEWISS CHORUS or equivalent).					
11.05	Telephone & Computer System					
a.	Supply, install telephone junction box type is (GEWISS No.					
	5) the work includes one telephone connection strip 10					
	pairs with all needed pvc pipes and cables to connect the J.	No.	2.00			
b.	Boxes togethers in one loop, with all required civil works.  Supply, install data / TV junction box type is (GEWISS No.					
<i>b</i> .	, , ,					
	5) all needed accessories. the work includes all required	No.	3.00			
	civil works with all needed pvc pipes and cables to connect					
	the J. Boxes togethers in one loop.					

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
11.06	Cables and Conduits					
a.	Excavation and back filling for trenches with dimension					
	not less than 60 cm in width and 90 cm depth and					
	including all earthwork in all the different types of soil and					
	rock excavation. Backfilling in layers not more than 25cm					
	thick for each layer by supplying proper and approved					
	material e or with suitable approved selected excavated					
	materials and watering and compaction until 98% MDD.	L.M	290.00			
	The price includes warning tape, Dismantling, and					
	reinstating of the existing paving layers to any required					
	width, excavation, bedding material under surrounding,					
	and above the Electrical cables with clean dune sand					
	(safia), also includes replacing the damages grass,					
	interlocks, tiles, etc with new materials to match the					
h	existing one, as per supervisor instructions.					
b.	Supply , and install 4" PVC pipe.	L.M	400.00			
c.	Ditto, but 4" Flexible PVC pipe	L.M	80.00			
d.	Ditto, but 3" Flexible PVC pipe	L.M	270.00			
e.	Ditto, but 2" Flexible PVC pipe (Provisional item)	L.M	50.00			
	Supply,Install, lay and termination of XLPE cable as per the following sizes:					
f.	Supply, laying and termination of XLPE cable (5X16)mm2	L.M	15.00			
	CU, including pvc flexible pipes 3 inch as per drawings.		10.00			
g.	Ditto, but XLPE (5X10)mm2 including pvc flexible pipes 3 inch as per drawings .	L.M	75.00			
h.	Ditto, but XLPE (5X6)mm2 including pvc flexible pipes 3 inch as per drawings .	L.M	60.00			
i.	Ditto, but XLPE (3X6)mm2 including pvc flexible pipes 2 inch.	L.M	20.00			
j.	Ditto, but XLPE (3X4)mm2 including pvc flexible pipes 2 inch. as per drawings.	L.M	50.00			
k.	Concrete manhole 60cm Dai., with 8Ton iron cover.	No.	12.00			
l.	Concrete manhole 80cm Dai., with 8Ton iron cover.	No.	2.00			
11.07	Sub - Main Distribution Board (S-MDB)					
a.	Supply, install and commission Sub Main Distribution Board with 30% spare size consists of lockable board frames as specified and as shown on drawings, factory assembled wired and tested in accordance with international standards, including 2mm hot dip Galv. steel frame with anti static paint including busbars, neutral and earthing terminals, wires, ducts with all necessary accessories and all needed civil works according to engineer instructions. The size of the panels will be determined after the approved shop rawings. (Type is Moeller or equivalent)	No.	1.00			
b.	Supply, install and operate the following items:  MCB 3X63A. (Type is MOELLER FAZ-C63/3 or equivalent).					
J.	into broom (Type is morning transcos) so it equivalent).	No.	1.00			
c.	MCB 3X50A. (Type is MOELLER FAZ-C50/3 or equivalent).	No.	1.00			
d.	Signal lamps R.S.T with LTL fuse 32/6A and push button 3 stages.	No.	1.00			

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
e.	residual current circuit breaker 4X40/0.03A. (Type is MOELLER FAZ-4- B40-FIM0,03 or equivalent).	No.	1.00			
f.	MCB 3X32A. (Type is MOELLER FAZ-C32/3 or equivalent).	No.	3.00			
g.	MCB 3X25A. (Type is MOELLER FAZ-C25/3 or equivalent).	No.	3.00			
h.	MCB 3X16A. (Type is MOELLER FAZ-C16/3 or equivalent).	No.	2.00			
i.	MCB 2X10A. (Type is MOELLER FAZ-C10/2 or equivalent).	No.	2.00			
j.	MCB 1X20A. (Type is MOELLER FAZ-C20/1 or equivalent).	No.	3.00			
k.	MCB 1X16A. (Type is MOELLER FAZ-C16/1 or equivalent).	No.	7.00			
l.	MCB 1X10A. (Type is MOELLER FAZ-C10/1 or equivalent).	No.	12.00			
m.	Step Relay	No.	2.00			
n.	Sellector switch (On/Off) and 3ph Moller contactor DILM 17A, with all required controll for external lighting as per drawings	Unit	2.00			
0.	residual current circuit breaker 4X25/0.03A. (Type is MOELLER FAZ-4- B25-FIM0,03 or equivalent). (Optional)	No.	1.00			
11.08	Sub-Distribution Boards (SDB1)					
a.	Supply, install sub-distribution board with 30% spare size consists of lockable board frames as per specifications including 2mm Galv. steel sheets with anti-static paint, bus bars ,ducts , neutral and earthing terminal with all necessary accessories and all needed civil works according to engineer instructions. The size of the panels will be determined after the approved sop drawings. (Type is Moeller or equivalent)	No.	1.00			
b.	Step Relay.	No.	1.00			
c.	MCB 3X25A. (Type is MOELLER FAZ-C25/3 or equivalent).	No.	1.00			
d.	Ditto but MCB 1X20. (Type is MOELLER FAZ- C20 or equivalent).	No.	3.00			
e.	Ditto but MCB 1X16A. (Type is MOELLER FAZ- C16 or equivalent).	No.	5.00			
f.	Ditto but MCB 1X10A. (Type is MOELLER FAZ- C10 or equivalent).	No.	8.00			
g.	residual current circuit breaker 4X25/0.03A. (Type is MOELLER FAZ-4- B25-FIM0,03 or equivalent).	No.	1.00			

Item No.	Description	Unit	Quantity	Unit Rate US \$ (letters)	Unit Rate US \$ (Numbers)	Total Amount US \$
11.09	Sub-Distribution Boards (SDB2)- Bathroom					
a.	Supply, install sub-distribution board with 30% spare size consists of lockable board frames as per specifications including 2mm Galv. steel sheets with anti-static paint, bus bars ,ducts , neutral and earthing terminal with all necessary accessories and all needed civil works according to engineer instructions. The size of the panels will be determined after the approved shop rawings. (Type is Moeller or equivalent)	No.	1.00			
b.	MCB 3X25A. (Type is MOELLER FAZ-C25/3 or equivalent).	No.	1.00			
c.	Ditto but MCB 1X20A. (Type is MOELLER FAZ- C20 or equivalent).	No.	1.00			
d.	Ditto but MCB 1X16A. (Type is MOELLER FAZ- C16 or equivalent).	No.	5.00			
e.	Ditto but MCB 1X10A. (Type is MOELLER FAZ- C10 or equivalent).	No.	5.00			
f.	residual current circuit breaker 4X25/0.03A. (Type is MOELLER FAZ-4- B25-FIM0,03 or equivalent).	No.	1.00			
11.10	Earthing system					
a.	Supply, install and commission a complete grounding system including all required galvanized 30x3.5 mm steel sheet, cables, earthing pits, electrodes, manholes according, specification, drawings and engineers instructions such that the resistance shall not exceed 2 ohm	L.s	1.00			
	Total Bill No.11 (Carried to	summary)				_

Bill No.(12). Miscellaneous works  1. Finishing Works  All Works must be according to drawings, specification and engineer instructions. Rates shall include:  1. Supply of all necled materials, including galvanized angles for the corners, windows and external decoration as well as the use of galvanized wire memb between concrete and block work.  2. Preparation Works by covering all conduits of electricity, water supplies, e.e., with a galvanized wire memb between concrete and block work.  2. Preparation Works by covering all conduits of electricity, water supplies, e.e., with a galvanized wire mesh at least 20em width coated by mortar (1:1) cement: sand and the work includes removal of wires and milb and cleaning of surfaces to be ready for plastering.  3. Contractor shall take into consideration that all —direct and indirect Works and expenses required for the completion of the corning items are included in the unit price.  4. Trimming of concrete chippings, removing the wires and etc. and cleaning of existing surfaces to be ready for plastering.  5. Checking our all of the preliminary installation in ceilings and walls such as Electrical, water supply and water water pipes and repairing the damages if any.  6. Curing with water for at least three days for each coat.  This should be done prior to commencement of plastering and after obtaining a written approval from the supervision engineer.  8. Tiles Works  All Works must be according to drawings, specification and engineer instructions. Rates shall include:  1. Samples for approval and all the required tests.  2. Cleaning, mechanical polishing and potining using grout.  3. Insulation Works under ceramic floor tiles for all wet areas and kirchens using primer coat, who to bimmen coats (7525)  4. Plastic angle basis for ceramic wall tiles at the corners and top and sides of ceramic edges.  5. Local markin must be Grade (A) free cracks and clay flaws.  6. Measuring the susceptible quantities of tiles and obtaining the engineer approved prior to shipment to the	Item No.	Description	Unit	Quantity	Unit Rate US \$	Total Amount US \$
A.P. Puster Works All Works must be according to drawings, specification and engineer instructions. Rates shall include: 1. Supply of all needed materials, including galvanized angles for the corners, windows and external decoration as well as the use of galvanized wire mash between connecte and block work. 2. Preparation Works by covering all conduits of electricity, water supplies, etc., with a galvanized wire mesh at least 20cm width coated by mortar (1:1) cennent: sand and the work includes removal of wires and nails and cleaning of surfaces to be ready for plastering. 3. Contractor shall take into consideration that all — direct and indirect Works and expenses required for the completion of the coming items are included in the unit price. 4Trimming of concrete chippings, removing the wires and etc. and eleaning of existing surfaces to be ready for plastering. 5. Checking out all of the preliminary installation in ceilings and walls such as Electrical, works supply and waste water pipes and repating the dumages if any. 6. Curring with water for at least three days for each coat. This should be done prior to commencement of plastering and after oblaining a written approval from the supervision engineer.  8. Tites Works All Works must be according to drawings, specification and engineer instructions. Rates shall include: 1. Samples for approval and all the required tests. 2. Cleaning, mechanical polishing and pointing using grout. 3. Insustants Works under ceramic floor tites for all wet areas and kitchens using primer coat, two hot bitumen coats (75:25) 4. Plastic angle beads for ceramic floor tites for all wet areas and kitchens using primer coat, two hot bitumen coats (75:25) 4. Plastic angle beads for ceramic floor tites for all wet areas and kitchens using primer coat, row bot bitumen coats (75:25) 4. Plastic angle beads for ceramic floor tites for all wet areas and communities of the second primers and the succession of the primers and the second is form thick mentar than 1:2) cerement and the mentar		, ,				
All Works must be according to drawings, specification and engineer instructions. Rates shall include:  1- Supply of all needed materials, including gulvunized angles for the cormers, windows and external decoration as well as the use of gulvunized wire mesh between concrete and block work.  2- Preparation Works by covering all conduits of electricity, water supplies, etc., with a galvunized wire mesh at least 20cm width coated by mortar (1:1) centers: small and the work includes removal of wires and nails and cleaning of surfaces to be ready for plastering.  3- Contractor shall take into consideration that all – direct and indirect Works and expenses required for the completion of the coming items are included in the unit price.  4- Trimming of concrete chippings, removing the wires and etc. and cleaning of existing surfaces to be ready for plastering.  5- Checking out all of the preliminary installation in ceilings and walls such as Electrical, water for at least three days for cach coat.  This should be done prior to commencement of plastering and after obtaining a written approval from the supervision engineer.  8- Titus Works  All Works must be according to drawings, specification and engineer instructions. Rates shall include:  1. Samples for approval and all the required tests.  2. Cleaning, mechanical polishing and pointing using grout.  3. Insulation Works under ceramic floor tiles for all west areas and kinchens using primer coat, two hold brimen coust (572.25)  4. Plastic angle beads for ceramic wall tiles at the corners and top and sides of ceramic edges.  5. Local marble must be Grade (A) free cracks and clay flaws.  6. Measuring the stockplied quantities of these and obtaining the engineer approval prior to shipment to the site.  7. Transporting and exacefully handling the stored quantities to the site.  8. Transporting and exacefully handling the stored quantities to the site.  12. 1: 3. 4.02.5 coments and fluencing mix 1: 1. Jeen can be a supply and install colored (Inliam Plaster) in accordance	1. Finis					
windows and external decoration as well as the use of galvanized wire mesh between concrete and block work.  2-Preparation Works by covering all conduits of electricity, water supplies, etc., with a galvanized wire mesh at least 20 fem width coated by mortar (e.1) cenent: sand and the work includes removal of wires and nails and cleaning of surfaces to be ready for plastering.  3- Contractor shall take into consideration that all — direct and indirect Works and expenses required for the completion of the coming items are included in the unit price.  4-Trimming of concrete chippings, removing the wires and etc. and cleaning of existing surfaces to be ready for plastering.  5- Checking out all of the preliminary installation in ceilings and walls such as Electrical, water supply and waste water pipes and repairing the damages if any.  6- Curring with water for at least three days for each coat.  This should be done prior to commencement of plastering and after obtaining a writton approval from the supervision engineer.  8- Title Works  All Works must be according to drawings, specification and engineer instructions. Rates shall include:  1. Samples for approval and all the required tests.  2. Cleaning, mechanical polishing and pointing using grout.  3. Insulation Works under ceramic floor tiles for all wet areas and kitchems using primer coat, two hot bitumen coats (75/259)  4. Plastic angle beads for ceramic vall tiles at the corners and top and sides of ceramic edges.  5. Local marble must be Grade (A) free cracks and clay flaws.  6. Measuring the stockpiled quantities of tiles and obtaining the engineer approval prior to shipment to the site.  7. Transporting and carefully handling the stored quantities to the site.  8. Supply and make external plastering 20mm thick to walls with three faces: the first is the rough hall rendering (rink 1:1) cement sand, the third is the undercoat Jamm (rink: 1:2) cements and, the third is the undercoat Jamm (rink: 1:3) ceramic rink: 1:2 ceramic sand, the tild is the undercoat		All Works must be according to drawings, specification and engineer				
(1:1) cement: sand and the work includes removal of wires and nails and cleaning of surfaces to be ready for plastering.  3- Contractor shall take into consideration that all — direct and indirect Works and expenses required for the completion of the coming items are included in the unit price.  4- Trimming of concrete chippings, removing the wires and etc. and cleaning of crisings surfaces to be ready for plastering.  5- Checking out all of the preliminary installation in ceilings and walls such as Electrical, water supply and waste water pipes and repairing the damages if any.  6- Curing with water for at least three days for each coat.  This should be done prior to commencement of plastering and after obtaining a written approval from the supervision engineer.  8- Titles Works  All Works must be according to drawings, specification and engineer instructions. Rates shall include:  1. Samples for approval and all the required tests.  2. Cleaning, mechanical polishing and pointing using grout.  3. Insulation Works under ceramic floor tiles for all wet areas and kitchens using primer coat, two hot bitumen coats (75/25)  4. Plastic angle beads for ceramic wall tiles at the corners and top and sides of ceramic edges.  5. Local marble must be Grade (A) free cracks and clay flaws.  6. Measuring the stockpiled quantities of tiles and obtaining the engineer approval prior to shipment to the site.  7. Transporting and carefully handling the stored quantities to the site.  8. Supply and make external plastering 20mm thick to walls with three faces: the first is the rough nail readering (mix 1:1) cement sand; the second is 5mm thick mortar (mix 1: 2) cement: sand, the third is the undercoat 13mm (mix 1:1) and the same plaster and all is according to specifications, drawings and supervisor engineer's instructions.  8. Supply and install colored (Italian Plaster) in accordance with the market plaster players, positifications, drawings and the engineer's instructions.  8. Supply and install colored (Italian Plaster) for ext		windows and external decoration as well as the use of galvanized wire mesh between concrete and block work.  2-Preparation Works by covering all conduits of electricity, water supplies,				
and expenses required for the completion of the coming items are included in the unit price.  4-Trimming of concrete chippings, removing the wires and etc. and cleaning of existing surfaces to be ready for plastering.  5- Checking out all of the preliminary installation in ceilings and walls such as Electrical, water supply and waste water pixes and repairing the damages if any.  6- Curing with water for at least three days for each coat.  This should be done prior to commencement of plastering and after obtaining a written approval from the supervision engineer.  B- Titles Works must be according to drawings, specification and engineer instructions. Rates shall include:  1. Samples for approval and all the required tests.  2. Cleaning, mechanical polishing and pointing using grout.  3. Insulation Works under ceramic floor tiles for all wet areas and kitchens using primer coat, two hot bitiumen coats (75/25)  4. Plastic angle beads for ceramic wall tiles at the corners and top and sides of ceramic edges.  5. Local marble must be Grade (A) free racks and clay flaws.  6. Measuring the stockplied quantities of tiles and obtaining the engineer approval prior to shipment to the site.  Supply and make external plastering 20mm thick to walls with three faces:  the first is the rough nall rendering (mix 1:1) cement sand, the second is 5mm thick mortar (mix 1:2) cement: sand, the third is the undercoat 13mm (mix and mix) and the samples of the sa		(1:1) cement: sand and the work includes removal of wires and nails and				
of existing surfaces to be ready for plastering.  5. Checking out all of the preliminary installation in ceilings and walls such as Electrical, water supply and waste water pipes and repairing the damages if any.  6. Curing with water for at least three days for each coat. This should be done prior to commencement of plastering and after obtaining a written approval from the supervision engineer.  B. Tiles Works  All Works must be according to drawings, specification and engineer instructions. Rates shall include:  1. Samples for approval and all the required tests.  2. Cleaning, mechanical polishing and pointing using grout.  3.Insulation Works under ceramic floor tiles for all wet areas and kitchens using priner coat, two hot bitumen coast (57s/25)  4. Plastic angle beads for ceramic wall tiles at the corners and top and sides of ceramic edges.  5. Local marble must be Grade (A) free cracks and clay flaws.  6. Measuring the stockpiled quantities of tiles and obtaining the engineer approval prior to shipmant to the site.  7. Transporting and carefully handling the stored quantities to the site.  8. Supply and make external plastering 20mm thick to walls with three faces: the first is the rough nail rendering (mix 1:1) cement sand, the second is 5mm thick mortar (mix 1:2) cement: sand, the third is the undercoat 13mm (mix 1:2). cement: sand, the third is the undercoat 13mm (mix 1:3:0.25) cements:sand:lime, The works include removing the old paint/plaster and plaster repairing, testing, treatment of cracks including cleaning, rubbing, open, filling with Sikaflex, closing openings, repairing plaster and all is according to specifications, drawings and supervisor entirer's instructions  Supply and install colored (Italian Plaster) for external elevations. The price includes scaffolding, decoration and drawings, removal all Tyrolean finish layer and detrinorated plaster layers instineance all existing plaster after removal Tyrolean layer, additional plaster layer if required to get the proper removal Tyrolean layer		and expenses required for the completion of the coming items are included in				
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instructions. Rates shall include:  1. Samples for approval and all the required tests.  2. Cleaning, mechanical polishing and pointing using grout.  3. Insulation Works under ceramic floor tiles for all wet areas and kitchens using primer coat, two hot bitumen coats (75/25)  4. Plastic angle beads for ceramic wall tiles at the corners and top and sides of ceramic edges.  5. Local marble must be Grade (A) free cracks and clay flaws.  6. Measuring the stockpiled quantities of tiles and obtaining the engineer approval prior to shipment to the site.  7. Transporting and carefully handling the stored quantities to the site.  Supply and make external plastering 20mm thick to walls with three faces: the first is the rough nail rendering (mix 1:1) cement sand; the second is 5mm thick mortar (mix 1:2) cement: sand, the third is the undercoat 13mm (mix 1:3 0.25) cementsand:lime,. The works include removing the old paint/plaster and plaster repairing, testing, treatment of cracks including cleaning, rubbing, open, filling with Sikaflex, closing openings, repairing plaster and all is according to specifications, drawings and supervisor enzineer's instructions  Supply and install colored (Italian Plaster) in accordance with the manufacturer's requirements, specifications, drawings and the engineer's instructions.  Supply and install colored (Italian Plaster) for external elevations. The price includes scaffolding, decoration and drawings, removal all Tyrolean finish layer and detrivorated plaster layer, amaintenance all existing plaster after removal Tyrolean layer, additional plaster layer if required to get the proper surface, preaping cracks, preparing the surface to install the new layer, covering the windows by polyethylene sheets, dismantle, refix and commission air conditioners, pipes, advertisement panels and any other required works to complete the job according to specifications, and engineer instruction.  Supply and lay Rozabetta stair treads size 32 cm wide x 3cm thick chamfered once, rebated once and laid on 2		This should be done prior to commencement of plastering and after obtaining a written approval from the supervision engineer. <b>B- Tiles Works</b>				
3.Insulation Works under ceramic floor tiles for all wet areas and kitchens using primer coat, two hot bitumen coats (75/25) 4. Plastic angle beads for ceramic wall tiles at the corners and top and sides of ceramic edges. 5. Local marble must be Grade (A) free cracks and clay flaws. 6. Measuring the stockpiled quantities of tiles and obtaining the engineer approval prior to shipment to the site. 7. Transporting and carefully handling the stored quantities to the site.  Supply and make external plastering 20mm thick to walls with three faces: the first is the rough nail rendering (mix 1:1) cement sand; the second is 5mm thick mortar (mix 1: 2) cement: sand, the third is the undercoat 13mm (mix 1: 3 :0.25) cement: sand; the third is the undercoat 13mm (mix 1: 3 :0.25) cement:sand; the third is the undercoat 13mm (mix 1: 3 :0.25) cement:sand; the site includes removing the old paint/plaster and plaster repairing, testing, treatment of cracks including cleaning, rubbing, open, filling with Sikaflex, closing openings, repairing plaster and all is according to specifications, drawings and supervisor engineer's instructions  Supply and install colored (Italian Plaster) in accordance with the manufacturer's requirements, specifications, drawings and the engineer's instructions.  Supply and install colored (Italian Plaster) for external elevations. The price includes scaffolding, decoration and drawings, removal all Tyrolean finish layer and detrriorated plaster layers, maintenance all existing plaster after removal Tyrolean layer, additional plaster layer if required to get the proper surface, preaping cracks, preparing the surface to install the new layer, covering the windows by polyethylene sheets, dismantle, refix and commission air conditioners, pipes, advertisement panels and any other required works to complete the job according to specifications, and engineer instruction.  Supply and lay Rozabetta stair treads size 32 cm wide x 3cm thick chamfered once , rebated once and laid on 2cm thick mortar bed. The price		instructions. Rates shall include :  1. Samples for approval and all the required tests.				
4. Plastic angle beads for ceramic wall tiles at the corners and top and sides of ceramic edges.  5. Local marble must be Grade (A) free cracks and clay flaws.  6. Measuring the stockpiled quantities of tiles and obtaining the engineer approval prior to shipment to the site.  7. Transporting and carefully handling the stored quantities to the site.  Supply and make external plastering 20mm thick to walls with three faces: the first is the rough nail rendering (mix 1:1) cement sand; the second is 5mm thick mortar (mix 1: 2) cement: sand, the third is the undercoat 13mm (mix 1: 3: 0.25) cement:sand:lime, The works include removing the old patient plaster and plaster repairing, testing, treatment of cracks including cleaning, rubbing, open, filling with Sikaffex, closing openings, repairing plaster and all is according to specifications, drawings and supervisor engineer's instructions  Supply and install colored (Italian Plaster) in accordance with the manufacturer's requirements, specifications, drawings and the engineer's instructions.  Supply and install colored (Italian Plaster) for external elevations. The price includes scaffolding, decoration and drawings, removal all Tyrolean finish layer and detrriorated plaster layers, maintenance all existing plaster after removal Tyrolean layer, additional plaster layer if required to get the proper surface, preaping cracks, preparing the surface to install the new layer, covering the windows by polyethylene sheets, dismantle, refix and commission air conditioners, pipes, advertisement panels and any other required works to complete the job according to specifications, and engineer instruction.  Supply and lay Rozabetta stair treads size 32 cm wide x 3cm thick chamfered once, rebated once and laid on 2cm thick mortar bed. The price including Rozabetta stair risers size 15 cm high x2cm thick. Granite Rozabetta  Skiriting (triangle shape) 2cm thick on the both sides and remove the existing to approved dump site as specification and the engineers instructions.		3.Insulation Works under ceramic floor tiles for all wet areas and kitchens				
Supply and make external plastering 20mm thick to walls with three faces: the first is the rough nail rendering (mix 1:1) cement sand; the second is 5mm thick mortar (mix 1: 2) cement: sand, the third is the undercoat 13mm (mix 1: 3: 0.25) cement:sand:lime,. The works include removing the old paint/plaster and plaster repairing, testing, treatment of cracks including cleaning, rubbing, open, filling with Sikaflex, closing openings, repairing plaster and all is according to specifications, drawings and supervisor engineer's instructions.  Supply and install colored (Italian Plaster) in accordance with the manufacturer's requirements, specifications, drawings and the engineer's instructions.  Supply and install colored (Italian Plaster) for external elevations. The price includes scaffolding, decoration and drawings, removal all Tyrolean finish layer and detrriorated plaster layers, maintenance all existing plaster after removal Tyrolean layer, additional plaster layer if required to get the proper surface, preaping cracks, preparing the surface to install the new layer, covering the windows by polyethylene sheets, dismantle, refix and commission air conditioners, pipes, advertisement panels and any other required works to complete the job according to specifications, and engineer instruction.  Supply and lay Rozabetta stair treads size 32 cm wide x 3cm thick chamfered once, rebated once and laid on 2cm thick mortar bed. The price including Rozabetta stair risers size 15 cm high x2cm thick. Granite Rozabetta Skirting (triangle shape) 2cm thick on the both sides and remove the existing to approved dump site as specification and the engineers instructions.		of ceramic edges.  5. Local marble must be Grade (A) free cracks and clay flaws.  6. Measuring the stockpiled quantities of tiles and obtaining the engineer approval prior to shipment to the site.				
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instructions.  Supply and install colored (Italian Plaster) for external elevations . The price includes scaffolding, decoration and drawings, removal all Tyrolean finish layer and detrriorated plaster layers, maintenance all existing plaster after removal Tyrolean layer, additional plaster layer if required to get the proper surface, preaping cracks, preparing the surface to install the new layer, covering the windows by polyethylene sheets, dismantle, refix and commission air conditioners, pipes, advertisement panels and any other required works to complete the job according to specifications, and engineer instruction.  Supply and lay Rozabetta stair treads size 32 cm wide x 3cm thick chamfered once, rebated once and laid on 2cm thick mortar bed. The price including Rozabetta stair risers size 15 cm high x2cm thick. Granite Rozabetta  Skirting (triangle shape) 2cm thick on the both sides and remove the existing to approved dump site as specification and the engineers instructions.  MR  20.00	12.2	engineer's instructions Supply and install colored (Italian Plaster) in accordance with the	M2	1,000.00		
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instruction.  Supply and lay Rozabetta stair treads size 32 cm wide x 3cm thick chamfered once, rebated once and laid on 2cm thick mortar bed. The price including Rozabetta stair risers size 15 cm high x2cm thick. Granite Rozabetta  Skirting (triangle shape) 2cm thick on the both sides and remove the existing to approved dump site as specification and the engineers instructions.	12.3	includes scaffolding, decoration and drawings, removal all Tyrolean finish layer and detrriorated plaster layers, maintenance all existing plaster after removal Tyrolean layer, additional plaster layer if required to get the proper surface, preaping cracks, preparing the surface to install the new layer, covering the windows by polyethylene sheets, dismantle, refix and	M2	500.00		
Supply and lay Rozabetta stair treads size 32 cm wide x 3cm thick chamfered once, rebated once and laid on 2cm thick mortar bed. The price including Rozabetta stair risers size 15 cm high x2cm thick. Granite Rozabetta Skirting (triangle shape) 2cm thick on the both sides and remove the existing to approved dump site as specification and the engineers instructions.  MR  20.00						
Total	12.4	Supply and lay Rozabetta stair treads size 32 cm wide x 3cm thick chamfered once, rebated once and laid on 2cm thick mortar bed. The price including Rozabetta stair risers size 15 cm high x2cm thick. Granite Rozabetta Skirting (triangle shape) 2cm thick on the both sides and remove the existing	MR	20.00		
		Total				

## **Summary**

Item	Description	Total (Us \$)
1	Excavation works	
2	Concrete Works	
3	Building works	
4	Plastering works	
5	Tilling & Marble works	
6	Painting works	
7	Metal works	
8	Aluminum WORKS	
9	Plumbing works	
10	landscape	
11	Electrical works	
12	Miscellaneous works	
VAT(0%)		
TOTAL		-

Total in numbers		
Construction of spectator in Beit Lahia playground		
Name of the contractor		
Authorized signature		
Signature and Sealing		
Title		
Telephone		
Fax		
Mohile		