

## Bill No (1)

## 1.CONCRETE WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	<p>Rates of Concrete Works shall include:-</p> <p>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.</p> <p>2. Fuel or burned oil is not accepted to be used for painting the lumber before use the form.</p> <p>3. Supplying, Casting, vibrating and curing as per specifications.</p> <p>4. Approved additives and admixtures.</p> <p>5. Incurred costs on New Concrete Job Mix Designs, Sampling , testing and providing test results certificates, storing and saving of samples.</p> <p>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.</p> <p>7. Preliminary installations for Electrical, plumbing and floor drainage in floor slabs including final floor slab.</p> <p>8. Compaction and testing under the foundation, ground beams, and ground slabs, the compaction should not be less than 98% of MDD.</p> <p>9.The Price for any concrete contact with soil includes laid polythene sheet 200 micron</p> <p>10. Opening areas and the concrete surface shall be finished with mechanical steel trowel and the price shall include steel trowelling with smooth face (fair face)and anywhere else</p> <p>11. : All prices of concrete item should include Supply, fabricate and fix reinforcement steel (fy= 4200 kg/cm2) for all the structural elements according to 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</p> <p>13. All works according to specifications, and supervisor engineer instructions</p>				
1.1	Supply and cast ready mix reinforced concrete B300 for for columns and column suite covering	M3	0.0	.....	.....
1.2	Ditto, but B300 for Reinforced concrete stairs and external steps of stairs , landing and drop beams of stair.	M3	0.0	.....	.....
1.3	Supply and cast ready mix concrete B250 for solid slab 20 cm thick, including the drope beam and reinforced steel, as per specification. the price also includ using apoxy for steel rienforcement dowels	M2	0.0	.....	.....
1.4	Supply and cast ready mix reinforced concrete B250 for sills, lintels, coping, arches, and other likes works with all required works	M3	3.5	.....	.....
1.5	Supply and cast ready mix reinforced concrete B250 for sills, lintels, coping, arches, and other likes works with all required works	M3	0.0	.....	.....
1.6	Supply and cast ready mix reinforced concrete B300 for drop beams at staircase ceeling , include remove broken concrete and using epoxy for overlab steel bars, all required works done according to supervisor engineer's instructions	M3	0.0	.....	.....
1.7	Supply and cast plain concrete B200 for ground slabs at internal courts, include slopes with average thickness 7 cm .	M2	40.0	.....	.....
	<b>Total</b>			.....	.....

BUILDING no. 23 Summary Bill of Quantities		
BILL NO.	DESCRIPTION	Amount (EUR)
BILL 1	CONCRETE WORKS	.....
BILL 2	BLOCK WORKS	.....
BILL 3	PLASTERING WORK	.....
BILL 4	TILING, MARBLE & FLOORING WORKS	.....
BILL 5	WOODEN WORKS	.....
BILL 6	PAINTING WORKS	.....
BILL 7	METAL WORKS	.....
BILL 8	ALUMINUM WORKS	.....
BILL 9	ISOLATION WORKS	.....
BILL 10	MECHANICAL WORKS	.....
BILL 11	ELECTRICAL WORK	.....
BILL 12	EXTERNAL WORK S AND LANDSCAPING	.....
BILL 13	contengancy Item 10%	-
<b>TOTAL ( EUR )</b>		..... .....

**Total in numbers** .....

**Total in letters** .....

**Name of the contractor** .....

**Authorized signature** .....

**Signature and Stamping**.....

**Title** .....

**Telephone**.....

**Fax** .....

**Mobile** .....

Bill No (2)

**2.BLOCK WORK**

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	<p>The price include:</p> <p>1- supplying hollow or solid cement block from good and approved factory in perfect dimension and build it in good manner with a compressive strength 35 kg/cm2 for hollow block and 60 kg/cm2 for solid block. This item will include cement mortars, reinforced concrete infill (B250) between columns &amp; block walls (10-20 cm wide) with 1Ø8mm/40cm horizontally and 2Ø8mm vertically according to drawings, pipes encasement, false columns 20x20 cm/4.0m among the parapet wall with 4Ø12mm &amp; all requirements needed to finish the works according to the drawings, specification and to the supervision engineer instructions.</p> <p>2. The works shall includes all materials, testing, scaffolds, placing of approval blocks</p> <p>3. The works shall includes adjustment the old walls to build the new hollow cement blocks, for roof parapet and others.</p>				
2.1	Supply and build hollow cement blocks 40x20x20cm.	M2	52	.....	.....
2.2	Ditto but 40x20x10cm	M2	10	.....	.....
	<b>Total</b>				.....

## Bill No (3)

## 3. PLASTERING WORK

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	<p>All works must be according to drawings, specification and engineer instructions. Rates shall include :</p> <p>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</p> <p>Mixing, scaffolds, curing, workmanship &amp; tools and anywhere else, needed,</p> <p>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</p> <p>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.</p> <p>Trimming of concrete chippings, removing the wires, nails and etc. and cleaning of existing surfaces to be ready for plastering.</p> <p>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.</p> <p>This should be done prior to commencement of plastering and after obtaining a written approval from the supervision engineer.</p> <p>Curing with water for at least three days for each coat.</p>				
3.1	Supply and make internal Plastering Three faces for internal walls,ceilings, partitions, beams, columns, min. thick 15mm with all required works	M2	20	.....	.....
3.2	Repair internal Plastering for internal walls,ceilings, partitions, beams, columns, including closing holes, min. thick 15mm with all required works	M2	15	.....	.....
3.3	Supply and make external plastering with Two faces : the first is the rough nail rendering, ; the second is mortar , and all is according to specifications , and supervisor engineer's instructions	M2	140	.....	.....
3.4	Supply and make external plastering with Two faces : the first is concrete layer fine face and the second is (Italian finish) with colour and shape specified by the Engineer, and all is according to specifications , drawings and supervisor engineer's instructions	M2	900	.....	.....
4.4	Repair and maintenance tyroleen layer including remove old layer where needs (wetness) and prepare walls to apply new tyroleen and paint banderol primer coat and two coats of emulsion paint (Supecryl), with min. thick 5mm with all required works and supervisor engineer's instructions.	M2	560	.....	.....
<b>Total</b>				.....	.....

## Bill No (4)

## 4.TILING, MARBLE &amp; FLOORING WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	<p>All works must be according to drawings, specification and engineer instructions. Rates shall include :</p> <p>1. Samples for approval and all the required tests.</p> <p>2. Cleaning, mechanical polishing and pointing using grout.</p> <p>3. Insulation works under ceramic floor tiles for upstairs bath rooms and kitchens using primer coat, two hot bitumen coats (75/25)</p> <p>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.</p> <p>5. Local marble must be Grade (A) free from cracks, holes and pits, homogeneous in the approval color.</p> <p>6. Measuring the stockpiled quantities of tiles and obtaining the engineer approval prior to shipment to the site.</p> <p>7. Transporting and carefully handling the stored quantities to the site.</p> <p>8. Making skirting of same kind and color</p> <p>9. Prices of Tiles &amp; Marble works shall include supply of all materials, testing, mortar, 5cm sand under tiles or marble or back the tiles or marble (wall), skirting, workmanship, opening areas and all materials &amp; tools and anywhere else, needed, all according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.</p> <p><b>10. Remove old tiles or staircase covering and adjustment the old walls to apply new tiles</b></p>				
4.1	Supply and install non-slipping ceramic tiles (grade A) for bath rooms floors, with all required works.	M2	5	.....	.....
4.2	Ditto but for bath rooms walls.	M2	25	.....	.....
4.3	Ditto but for entrance walls 1.2m height .	M2	40	.....	.....
4.4	Supply and install terrazzo tiles like the existing on the site, with all required works.	M2	35	.....	.....
4.5	Supply and install skirting of same kind and color of existing on the site	L.M	40	.....	.....
4.6	Supply and install terrazzo for stair treads , size 5cm thick and 35 cm width including skirting of same kind and color with average height 17cm and also including stair risers 3cm thick and all required works for internal stairs	L.M	30	.....	.....
4.7	Supply and install local marble (grade A) 3cm thick, 25cm width for windows sills beam laid on 2cm thick mortar bed with water drip greeve as approved by the Engineer and as specification and drawings.	L.M	25	.....	.....
4.8	Cleaning, mechanical polishing and pointing using grout for existing tiles.	M2	400	.....	.....
4.9	Supply and execute Granolithic Paving for disabled people ramps with minimum of <b>3 cm thick</b> . The color, texture and pattern are according to the Engineer approval. The price include aluminum angles, glasses slides , surface tamping and trawling to produce wearing surface where required by the Engineer.	M2	0	.....	.....
	<b>Total</b>			.....	.....

Bill No (5)

**5.WOODEN WORKS**

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	The item rate includes supplying wood from soft wood class A, hardware locked type Wally (SWITCH) or equivalent approved, and all other needed fittings, according to specifications, drawings and engineer's instructions. The price includes the prime painting before starting plastering and two coats of oil painting, the color according to the engineer. The contractor should submit sample for approval before starting.[door opening size is a structural opening size or as mention in table of doors or as engineer's instructions].				
5.1	Supply and install wooden door 90×210 cm , both sides of the leaf are covered by plywood sheet 4mm thick. The scope of works includes frame, joineries, accessories, switch wally type or approved type of good quality, door stops, painting, all and anywhere else, needed, .all according to specifications, conditions and directed instructions by the Engineer.	NO.	1	.....	.....
5.2	Maintinance and painting of wooden door 100×210 cm , works includes replacement of defect frame. joineries, accessories, switch, stops, all and anywhere else needed, .all according to specifications, conditions and directed instructions by the Engineer.	NO.	20	.....	.....
<b>Total</b>					.....

## Bill No (6)

## 6.PAINTING WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	<p>The items( Painting works) include the supplying of all required material (paints, putty,.....) approved from Authorized institutions and workmanship. The walls and other elements to be painted should be cleaned. The color is according to the Engineer approval. All according to the specifications, drawings, and engineer's approval. The contractor should submit sample for approval from the Engineer before starting. The material used must have a valid quality certification from the Palestinian Institute for Standards and Measurements <b>and pass all tests of paintings by approved local laboratory</b></p> <p>Prices shall include supply of all materials, scaffolds, workmanship &amp; tools and anywhere else, needed, all according to drawings, specifications, conditions and directed instructions by the Engineer</p> <p>Remove old paint where necessary and prepair the walls to apply painting works</p>				
6.1	Supply and paint Internal Painting for walls and ceiling one banderol primer and min. 2-coats of emulsion paint (Supecryl) paint with all required works	M2	1200	.....	.....
6.2	Supply and paint oil paint for internal staircase walls 1.2m high, including a pendrol layer, two layers of putty as minimum, one layer of primer undercoat and two layer of oil paint all the required materials as shown in specifications and Engineer's instructions.	M2	600	.....	.....
6.3	Supply and paint banderol primer coat and two coats of emulsion paint (Supecryl) for external walls (over tyroleen layer), the work include repair tyroleen layer where neseccary before apply painting works, and including all the required materials as specifications and Engineer's instructions.	M2	150	.....	.....
	<b>Total</b>				.....

## Bill No (7)

## 7.METAL WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	The items below ( metal works) include the followings supplying and the fixing. The rate includes also painting with priming and two layers of oil paint Hardware locked type Wally (SWITCH) or equivalent approved and all needed fittings with all its requirements as frames angles ...etc The contractor should submit sample and shop drawing for approval by the Engineer before starting Price of Galvanized Steel works include supplying, workmanship, oil painting (base coat & min. 2-coats of oil painting), fixation (all galvanized steel frames should be filled with the fine aggregate rich mortar concrete), hinges, , handles and all necessary parts needed to complete the works.				
7.1	Supply and install for single external steel door with frame, ironmongery wally switch type, latch, lock...etc. all the required materials as shown in specifications and Engineer's instructions.	M2	2	.....	.....
7.2	Maintenance for steel door with frame, ironmongery wally switch type, latch, lock...etc. all the required materials as shown in specifications and Engineer's instructions.	M2	25	.....	.....
7.3	Supply and install steel tube for hand rails, as exist at the site, price include painting and all the required materials as in specifications and Engineer's instructions.	L.M	10	.....	.....
7.4	Painting for steel hand rail , price include all the required materials as in specifications and Engineer's instructions.	L.M	12	.....	.....
7.5	Supply and install gard steel for windows of profile 12x12mm, price include painting and all the required materials as in specifications and Engineer's instructions.	M2	150	.....	.....
7.6	Supply and install external steel door 260x260 cm, 2mm thick for Shops doors with frame, ironmongery wally switch type, latch, lock...etc. all the required materials as shown in specifications and Engineer's instructions.	No.	0	.....	.....
7.7	Maintenance steel base for water tanks at roof, price include painting and replacement all the required materials as shown in specifications and Engineer's instructions.	No.	4	.....	.....
7.8	Maintenance external steel door 260x260 cm for shops doors, with frame, ironmongery wally switch type, latch, lock...etc. all the required materials as shown in specifications and Engineer's instructions.	No.	6	.....	.....
	<b>Total</b>				.....

Bill No (8)

## 8. ALUMINUM WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	<p>The items below ( Aluminum works) include the followings supplying and fixing <b>anodized coated colored aluminum windows and doors type (7000 for sliding windows and 4500 for hinged windows Jordanian Type or Approved Equivalent)</b></p> <p>Supplying, workmanship, fixation (frames should be filled with the fine aggregate rich mortar concrete), hinges, glass, lock type (for door) of good quality, handles and all necessary parts needed to complete the works</p> <p>The contractor should submit sample and shop drawing for approval by the Engineer before starting</p> <p>The material used must have a valid quality certification from the Palestinian Institute for Standards and</p>				
8.1	Supply and fix aluminum window, for roof windows, sliding complete with frame,two sliding leaves, glass 4mm thick Silicone sealant, ironmonger and hardware , and all anywhere else, needed, all according to specifications, conditions and directed instructions by the Engineer	M2	25	.....	.....
8.2	Supply and fix aluminum window, for flats windows, sliding complete with frame,two sliding leaves, glass 4mm thick Silicone sealant, ironmonger and hardware, and all anywhere else, needed, all according to specifications, conditions and directed instructions by the Engineer	NO.	15	.....	.....
8.3	Maintinance of aluminum windows, sliding type, price include replacement of defect profile, accissories and fittings using Silicone sealant, and all anywhere else, needed, all according to specifications, conditions and directed instructions by the Engineer	NO.	10	.....	.....
8.4	Maintinance of aluminum windows <b>leaves</b> , sliding type, price include replacement of defect profile, accissories and fittings using Silicone sealant, and all anywhere else, needed, all according to specifications, conditions and directed instructions by the Engineer	NO.	5	.....	.....
8.5	Supply and fix 4 mm thick white glass for aluminum window, price include rubber, plastic clips, and all anywhere else, needed, all according to specifications, conditions and directed instructions by the Engineer	M2	20	.....	.....
8.6	Supply and fix Aluminum door , one leaf, and according to the Engineer's approval. and all anywhere else, needed, all according to specifications, conditions and directed instructions by the Engineer	NO.	1	.....	.....
	<b>Total</b>				.....

Bill No (9)

**9. ISOLATION WORKS**

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	The contractor should submit sample for approval by the Engineer before starting The material used must pass all tests of materials by approved local laboratory				
9.1	Supply and lay foam concrete layer with average density not more than 850kg/m <sup>3</sup> , and make slopes with average thickness 7cm, all according to specifications, conditions and directed instructions by the Engineer	M2	420	.....	.....
9.2	Supply and lay one layer of plasticised bitumen roofing membrane 4mm thick, finish with chipping and white color including priming concrete surface prior to laying, overlaps 15cm, dressing into rain water outlets to form water proofing seal and cover angle fillets, remove old bitumen membrane and make foam concrete layer with slope and average thickness 7cm the surface to apply bitumen, all according to specifications, conditions and directed instructions by the Engineer	M2	420	.....	.....
<b>Total</b>					.....

## Bill No (10)

## 10. MECHANICAL WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	<p>NOTES</p> <p>*All mechanical items shall be executed according to drawings, specifications and as directed by the Engineer.</p> <p>*Prices shall include all required works, fittings, connections, Reinforced concrete works B250 ( pipes and tanks of all types supports, pipe covers vertical &amp; horizontal, etc...) and accessories.</p> <p>* Only standard and approved galvanized steel and UPVC pipes and fittings shall be used for sanitary and drainage installations.</p> <p>* Contractor shall submit shop drawings for all works and to be approved by the engineer before executing the work and as-built drawings shall be submitted .</p> <p>*All Types of mixers and taps should be Hamat or Approved equivalent.</p> <p>*All types of wash basins ,sinks and toilet should be Harsa or Vitra or approved equivalent.</p> <p>*Test all existing works and complete the work according to the test result.</p> <p>*The manholes should be painted with Internal coal tar epoxy painting (two layers).</p> <p>The rate includes connection to nearset outlet Supply of material, workmanship, installation, testing Rates to include also all pieces and fittings, including by passes, float, cleaning outlets, automatic vents, vents and stack covers, valves and non return valves and the like needed to complete works as per specifications. Insulation and painting as called for in specifications. Excavation and cutting for all pipe laying works, bedding back filling and all works connected with pipe laying. All ties, sleeves, joints, tie bolts and rods, brackets . <b>Remove old pipes, fitting, sewerage or water networks etc. , and adjustment the space to apply new works</b></p>				
10.1	Supply and fix and operate white glazed fireclay hand wash basin size 56cm x43cm (Vitra Type) or equivalent, complete with all pipes , waste fitting, trap, plug and chain.	NO.	1	.....	.....
10.1	Supply and install chrome plated mixer Tebesa type for basin wash , complete with all connecttions and fittings to complete the work	NO.	1	.....	.....
10.1	Supply and install white vitreous china western type toilet "Vitra Type" or equal with flush cistern of 9 liter plasson type. capacity, seat mounted, and hard seat covers, rate to include waste pipes and drainage to the nearest manhole and all associated water otlets, all other required fittings as required.	NO.	1	.....	.....
	Supply and fix floor trap 4inch diameter, complete with heavy duty brass grating and 4" UPVC drainage pipe to the nearest manhole including excavation and S trap, as specification and Engineer's instructions.	NO.	2	.....	.....
	Supply and install UPVC pipes SN4 of 4" pipes for vertical drainage system , work includes fitting and connecting, and fixing with brackets screwed to concrete or block work, all required to complete the work according to the specifications and Engineer's instructions.	L.M	30	.....	.....

## Bill No (10)

## 10. MECHANICAL WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	Maintenance of 4" UPVC pipes for vertical drainage system, work includes stop the leakage and re-fix the connecting and pipes and fixing with brackets screwed to concrete or block work, all required to complete the work according to the specifications and Engineer's instructions.	L.M	50	.....	.....
	Supply and install 1" & 1.5" steel pipes for up and down water connection, work includes replacement the defect pipes and connection, and fixing with brackets screwed to concrete or block work, all required to complete the work according to the specifications and Engineer's instructions.	L.M	10	.....	.....
	Maintenance of 1" & 1.5" steel pipes for up and down water connection, work includes replacement the defect fitting and pipes, stop the leakage and re-fix the connection, and fixing with brackets screwed to concrete or block work, all required to complete the work according to the specifications and Engineer's instructions.	L.M	10	.....	.....
	Supply and install plastic water storage tank 5.0 M <sup>3</sup> capacity complete with lockable cover, float valve 10 bar.(Italy type 2"), cleaning opening with plug, overflow pipe, steel base, 5 cm thick painted hard wood under the tanks, and the connection with the feeding and distribution lines,, all according to Specifications and instructions of the Engineer.	NO.	2	.....	.....
	Maintenance plastic water storage tank 5.0 M <sup>3</sup> capacity, include replacement of the connection, valves, float valve, all according to Specifications and instructions of the Engineer.	NO.	2	.....	.....
	Test and Clean manholes of internal sewage network, works including cleaning the manhole and sewerage pipes, and all required to complete the work according to the specifications and Engineer's instructions.	NO.	4	.....	.....
	Supply and install, Test and commission (DAP type or eq.) centrifugal type water lifting pump 3 HP, price include electrical Automatic float switches, power control panel (Auto & manual), power cable, valves, air vents, pressure gauge all need fittings and pipes and connection to left water from ground to at roof Tanks, with galvanized steel box, all required to complete the work according to the specifications and Engineer's instructions.	NO.	1	.....	.....
	Re-Fix, install, Test and commission water pump, the price include maintenance of power control panel (Auto & manual, electrical Automatic float switches, power cable, valves, air vents, replacement of all defect fittings or pipes to left water from main water pipe to at ground Tanks, with galvanized steel box, all required to complete the work according to the specifications and Engineer's instructions.	NO.	1	.....	.....

Bill No (10)

10. MECHANICAL WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	Supply and install water Solar Heating system of 120 L capacity heat keeper tank internal ceramic coated inside, contains a flange with an electric heater capacity of 2.5 KW and Thermostat and pressure release valve, air steam release valve and plastic water tank 500 L capacity, one solar mirror 200×120 cm size, with Aluminum frame and 11 pipe copper (high specific heat bronze), with valve in the inlet and outlet, air release valve, all need connection, Galvanic tubes 16 bar 20mm size pipes, fittings need to be connected to flat water network, price includes a galvanized steel base for the system made of (40×40mm) profile, and all required to complete the work according to the specifications and Engineer's instructions.	NO.	20	.....	.....
<b>Total</b>					.....

Bill No (11)

11. ELECTRICAL WORKS

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	<p><b>General notes</b>                      Supplying, installing, testing and commission of the electrical works as per specifications, and engineer's instructions. The prices of the following items include all necessary junction boxes, wires, conduits, clamps, bolts, connectors and connecting all new and existing cables to switch boards.all electrical devices will be installed in existing concrete ceiling The price includes all required Reinforced cement to all items in this Bill.                      All installation shall be in accordance with :                      * The specifications and instructions and demands of the engineer.                      * The electricity law and electrical code requirements of the BRITISH standards.                      The prices also include removing all old junction boxes and all damaged fixtures , and supplying, installing new junction boxes .                      The prices will be deemed to include for the full cost as described in all Documents.</p>				
11.1	Supply, install, connect and test ceiling mounted water and dust proof IP65 lighting fixture <b>globe 1*26W</b> , for staircase, entrance, gurdroom oad others, complete with all necessary accessories for , type is POP Nisco or equivalent	NO	30	.....	.....
11.2	Ditto but wall mounted , decorative globe for	NO	18	.....	.....
11.3	Ditto as 1 but ceiling pendant for shops	NO	18	.....	.....
11.4	Supply, install connect and test single pole one way switch, 220v, 13A, complete with J.boxes, cover and all necessary accessories. (Type is Gewiss or equivalent).	NO	2	.....	.....
11.4	Ditto but double pole one way switch	NO	18	.....	.....
11.5	Ditto but switch for staircase , with signal lamb	NO	5	.....	.....
11.6	supply, install connect and, testing single socket outlet 16A, 220v, 2p+E , complete with J.boxes, and all necessary accessories. (Type is Gewiss or equivalent)	NO	14	.....	.....
11.7	Ditto but telephone socket	NO	6	.....	.....
11.8	Maintain the service telephone distribution board body and it's door and reconnect all cables and supplying and installing all needed materials , also maintain the blastic electrical distribution board for the service with 12 CB capacity , and if not existing supply and install new one and all needed circuit breakers , supply and install new staircase timer , and all needed to complete the work as engineer request and electrical rules.	L.S.	1	.....	.....
11.9	Supply, install connect and test plastic electrical distribution board for the stores with 12 CB capacity , with all needed wires , C.B ( MCB 1*23 A+ RCCB 2*40/0.3A + MCB 1*10A , no2 + MCB 1*16A,no2) , and all accessories	NO	3	.....	.....
<b>Total of electrical works</b>					.....

## Bill No (12)

## 12.EXTERNAL WORK AND LANDSCAPING

Item No.	Description	Unit	Quantity	Unit Price (EUR)	Total Amount (EUR)
	General Excavation for grading to levels. General Fill in making up levels from excavated material.				
<b>12.1</b>	<b>Site Preparation</b>				
12.1.1	Demolition of informal addition ( external or internal) of building such as block walls, steel works , doors, windows, rubbish and others as Engineer's instructions, works include Demolition of internal walls partition on staircase to reposition the 2 entrances to GF flats and Demolition of the wall dividing the 2 central shops and transport all demolishing materials to landfill, cleaning the site and all works done according to supervisor engineer's instructions.	L.S	1	.....	.....
<b>12.2</b>	<b>Land scaping (Concrete &amp; Fencing)</b>				
	General Excavation for grading to levels. General Fill in making up levels from excavated material.				
12.2.1	Cast in place reinforced concrete beams B 250, for plant apron surrounding building , 20*30cm section, using 4 bars 10mm steel reinforcement , price includes shuttering works , all finishing, fillet corner using plastic angles 45° , and all works done according to supervisor engineer's instructions.	L.M	40	.....	.....
12.2.2	Supply and fix galvanized steel fence 2m hieght, mesh type 4×4 cm sqare size, 3mm wire thick, include steel angles 50×50×5 mm with 3m hight @ 3m c/c , fixing with concrete base 30×30×40cm, and using tied galvanized steel wire 3mm thick each 70cm, painting steel angles, and all works done according to supervisor engineer's instructions.	L.M	40	.....	.....
<b>12.3</b>	<b>Land scaping (Planting)</b>				
	Provide all plants, labour and material and perform all operations in connection with ground covers, plants, trees and soil including excavation, backfilling with sweet soil into planting pits, fertilizer and disposal of spoil material for the following:				
12.3.1	Supply and plant small trees (Dedonia); overall height 250-500mm.	L.M	40	.....	.....
12.3.2	Supply and plant trees ( Feksa type ) overall height 2m	NO.	10	.....	.....
	<b>Total</b>				.....