

BILL OF QUANTITIES FOR CONSTRUCTION AND SPECIALIST SANATION WORKS ON BUILDING C OF THE HEALTH CENTRE IN OBRENOVAC	
DESCRIPTION OF THE SITUATION AND NECESSARY SANATION WORKS	
<p>Building C of the Health Centre Obrenovac is a reinforced concrete construction with axial pillar spacing of 5.00 m in both directions. There is a basement (underground) in the building, ground floor and first floor. The basement and part of the ground floor were affected by the flood, because the water remained over ground level for a longer time so that the basement was completely flooded. Currently the basement is completely emptied apart from the installations in the substation room, which were partly repaired and they are expected to be put to trial.</p> <p>In the basement of the building, which is net surface 400 m², restaurant facilities were located for staff with additional facilities, central heating substation with additional facilities, Physical Medicine Department and additional facilities, such as archives and other additional facilities. All these rooms were damaged due to a long time under water up to ceiling, wherefore the removal of entire mortar from walls and ceilings, including ceramic tiling where found is envisaged, alongside putting new mortar on the walls and returning everything to the situation as it was before the floods. The floors need to be repaired in the same manner. Damaged floors made of vinyl (<i>vinaz</i>) panels shall be completely replaced with new panelling. Other floors shall be first cleaned and then the damaged parts replaced and repaired. All door frames shall be replaced with metal casings and all other metal and alu doors and windows shall be replaced with new ones.</p> <p>On the ground floor of the building, with net surface 625 m², there is a pharmacy with additional facilities and Children and Youth Healthcare Department. All the rooms were flooded up to 30 to 40 cm high over the floor level. The damages are evident on walls, doors and partly on the floors of the building. Paint works are necessary to repair the walls, partly the floors and to change the frames on inside doors. Inside doors are in metal frames and apart from painting the frames no extra sanitation works are necessary.</p>	
GENERAL CONDITIONS AND WORK CONDITIONS	
For all the necessary works it shall be understood that the contractor has included in the Bill of Quantities unit price all the necessary preparatory and final works, as well as possible extra and unforeseen works that need to be performed to achieve the quality of performed works and finalize the works in accordance with valid regulations, norms and standards.	
The Contractor shall become familiar with the building, the works to be performed and this Bill of Quantities based on which the contracted works shall be performed timely and in detail, and shall ask the Purchaser for timely explanation on unclear items in the Bill of Quantities.	
The Contractor shall be obliged to perform the works agreed in the manner and time set out in the contract, regulations and rules of profession.	
The Contractor shall be deemed professional and experienced and the estimate of the scope and type of works that need to be performed in order to give over the building to the user in a completely functional state in terms of sanitation works to be performed shall be deemed accurate.	
The Contractor shall also perform unforeseen works. The total price offered shall not be changed because of incurred extra works or shortages or unforeseen works.	
All works shall be completely performed and the building turned over ready for use, which shall be deemed included in the contract price.	
All the works need to be performed proficiently and precisely. Before use all the material shall be inspected and approved for use by the supervising body, and all the comments and instructions placed by them in terms of quality of works or materials shall be mandatory for the Contractor.	
All the costs related to the finalization of any item of works shall be deemed included in the cost of works by the Contractor, including distribution, human and machine power, indoor and outdoor works and transport, make and use of tools, scaffolding, forms, etc. as well as all other costs and expenses related to works such as: overhead expenses, pays, contributions, taxes, fees and all other costs conditioned by valid regulations.	
After detailed examination of the terrain and the building herein, it shall be deemed that the Contractor has included in the	

price any special conditions and circumstances under which all the necessary works need to be performed, respecting technical regulations for the performance of each type of works. Special care shall be taken of appropriate moisture of surfaces for flooring, tiling, masonry and paint works.

Construction and Specialist Works					
No.	Item	Unit of Measure	No. Of Unit	Total Unit Price	Total
1.1	Dismantling				
	Carefully dismantle everything taking care to make minimum damage to walls, veneer, mortar and jambs.				
1.1.1	Dismantle basement alu windows, surface up to 2.00 m2. Dismantled windows shall be stacked, loaded on a lorry and taken to a site as instructed by the supervisory body. Calculation per piece.	pcs	39		
1.1.2	Dismantle outside alu doors, surface over 2.00 m2. Dismantled doors shall be stacked, loaded on a lorry and taken to a site as instructed by the supervisory body. Calculation per piece.	pcs	1		
1.1.3	Dismantle indoor metal windows and doors, surface over 2.00 m2. Dismantled windows and doors shall be stacked, loaded on a lorry and taken to a site as instructed by the supervisory body. Calculation per piece.	pcs	1		
1.1.4	Dismantle wooden inside doors with frames, surface up to 2.00 m2. Dismantled doors shall be stacked, loaded on a lorry and taken to a site as instructed by the supervisory body. Calculation per piece.	pcs	1		
1.1.5	Dismantle double metal inside doors with frames. Dismantled doors shall be stacked, loaded on a lorry and taken to a site as instructed by the supervisory body. Calculation per piece.	pcs	3		
1.1.6	Dismantle single metal inside doors with frames. Dismantled doors shall be stacked, loaded on a lorry and taken to a site as instructed by the supervisory body. Calculation per piece.	pcs	6		
1.1.7	Dismantle inside portal doors. Dismantled doors shall be stacked, loaded on a lorry and taken to a site as instructed by the supervisory body. Calculation per piece.	pcs	19		
				TOTAL:	
1.2	Demolitions and Removals				
1.2.1	Demolish partition brick walls in the restaurant. Bricks shall be cleaned and stacked on the construction dump site. Collect the debris, take out, load on the lorry and take to the town landfill. The price shall include additional scaffolding. Calculation per m2.	m2	16.5		

1.2.2	Demolish partition walls made of gypsum boards. Collect the debris, take out, load on the lorry and take to the town landfill. The price shall include additional scaffolding. Calculation per m2.	m2	12.5		
1.2.3	Strip off mortar from inside walls. Mortar shall be stripped off and joints shall be cleaned using cramps up to 2 cm deep. Clean brick surfaces with steel brushes and wash the walls with water. Collect the debris, take out, load on the lorry and take to the town landfill. The price shall include additional scaffolding. Calculation per m2.	m2	958.5		
1.2.4	Strip off mortar from the ceiling collect the debris, take out, load on a lorry and take to the town landfill. Calculation per m2.	m2	321.5		
1.2.5	Strip off ceramic wall tiling together with mortar. Strip off tiles with mortar and clean the joints using cramps up to 2 cm deep and clean the brick surfaces using steel brushes. Collect the debris, take it out, load on a lorry and take to town landfill. Calculation per m2.	m2	32.8		
			TOTAL:		
1.3	Masonry Works				
1.3.1	Machine-mortar inside walls using lime mortar in two layers d=2cm. Mortared surfaces must be flat without breaks or waves, and the edges sharp and straight. Moisten the mortar to avoid quick drying. Calculation per m2.	m2	958.5		
1.3.2	Machine-mortar the ceiling using lime cement mortar. Spray cement over the surface. Surfaces must be flat, without breaks or waves. Moisten the mortar to avoid quick drying. The price shall include additional scaffolding. Calculation per m2.	m2	321.5		
			TOTAL:		
1.4	Doors and Windows				
1.4.1	Make and install glazed aluminium windows, dimensions 80/60 cm. The windows shall be made of eloxed aluminium with multi-chamber profile system and thermal break. The windows shall be sealed using durable elastic EPDM rubber, welded at the corners. Window hardware and eloxed aluminium tone shall be selected by the supervisory body. Window sashes shall be glazed using thermal glass d=4+16+4 mm and sealed using EPDM rubber. The opening mechanisms shall be the same as with existing windows. All dimensions of the openings and the windows shall be taken and controlled at the build-in site. Calculation per piece.	pcs	18		

1.4.2	Make and install glazed aluminium windows, dimensions 95/60 cm. Completely the same as the previous item. Calculation per piece.	pcs	18		
1.4.3	Make and install glazed aluminium windows, dimensions 210/60 cm. Completely the same as the previous item. Calculation per piece.	pcs	3		
1.4.4	Make and install glazed entrance alu portal with one door with light opening of 91cm with overhead light opening at the entrance of the restaurant in the basement. The door shall be made of eloxed aluminium with multi-chamber profile system, thermal break, filling and EPDM rubber seal, in accordance with the schematic and details. Install eloxed aluminium hardware, cylinder lock with three keys, three hinges per wing, as selected by the designer. The doors shall be glazed using Flot glass d = 4+16+4 mm and sealed using EPDM rubber, welded at the corners. All dimensions of the openings and the doors shall be taken and controlled at the build-in site. Calculation per piece.	pcs	1		
1.4.5	Make and install glazed double doors. Clear opening dimension shall be 160x210 cm. Doors shall be made of eloxed aluminium with multi-chamber profile system. Install eloxed aluminium hardware, cylinder lock with three keys, three hinges per wing, as selected by the designer. Doors shall be glazed using glass d = 4mm and sealed using EPDM rubber, welded at the corners. All dimensions of the openings and the doors shall be taken and controlled at the build-in site. Calculation per piece.	pcs	2		
1.4.6	Make and install glazed double doors. Clear opening dimension shall be 200x230 cm. Doors shall be made of eloxed aluminium with multi-chamber profile system. Install eloxed aluminium hardware, cylinder lock with three keys, three hinges per wing, as selected by the designer. Doors shall be glazed using glass d = 4mm and sealed using EPDM rubber, welded at the corners. All dimensions of the openings and the doors shall be taken and controlled at the build-in site. Calculation per piece.	pcs	1		

1.4.7	Make and install veneered door wings in metal frame, dimensions 90x205 cm. The wing shall consist of rails and panels and shall be coated on both sides with waterproof plywood 4 mm thick, first class, veneered using beech veneer. Exact measures for wings shall be taken on the spot. Install the frame with metal hinges, ordinary lock with two keys, three hinges per wing, as chosen by the supervisory body. Doors shall be protected using clear impregnation. Paint the metal parts using metal paint. Install rubber buffer on the floor. Calculation per piece.	pcs	4		
1.4.8	Make and install veneered door wings in metal door frame, dimensions 80x205cm. Everything else completely the same as the previous item. Calculation per piece.	pcs	5		
1.4.9	Make and install veneered door wings in metal door frame, dimensions 60x205cm. Everything else completely the same as the previous item.	pcs	5		
1.4.10	Replace inside door wings in metal door frames on the ground floor of the building with new wings of the same or similar type, first class. Exact measures for the wings shall be taken on the spot. The entire door shall be examined in detail and straightened. Door stiles and edges shall be finished so that the wing rests finely, is sealed and easy to close. Door hardware installed shall include metal hinges, ordinary lock with two keys, three hinges per wing, as chosen by the supervisory body. Calculation per piece.	pcs	64		
1.4.11	Make and install double swinging glazed doors – inside doors of the windproof area (establish the area). Clear opening dimensions shall be 200x300cm. The wings shall be 90cm with fixed side parts. Doors shall be made of eloxed aluminium with multi-chamber profile system. Install the hardware made of eloxed aluminium, cylinder lock and three keys, three hinges per wing, according to the choice of the designer. Glaze the doors using glass d=4mm and seal with EPDM rubber welded at the corners. All dimensions of the openings and the doors shall be taken and controlled at the build-in site. Calculation per piece.	pcs	2		
			TOTAL:		
1.5	Sheetmetal Works				

1.5.1	Make and install single metal door dimensions 90x200cm. Make the door using steel box profiles, according to details and instructions given by the supervisory body. Door wing shall be coated with steel sheet metal on one side. Install three hinges on the wing. Hardware, hinges and cylinder lock with three keys shall be chosen by the designer. Before painting, the metal shall be cleaned of corrosion and dust, impregnated and base coat painted, and then puttied and sanded and finished with a second layer of paint. Calculation per piece.	pcs	5		
1.5.2	Make and install single metal thermal door, dimensions 90x200cm. Make the doors using steel box profiles, according to the details and instructions given by the supervisory body. Door wing shall be coated with steel sheet metal on both sides with thermal insulation. Install three hinges on the wing. Hardware, hinges and cylinder lock with three keys shall be chosen by the designer. Before painting, the metal shall be cleaned of corrosion and dust, impregnated and base coat painted, and then puttied and sanded. Put the first layer of metal paint, putty, sand and finish with second layer of paint. Calculation per piece.	pcs	1		
1.5.3	Make and install double metal thermal door, dimensions 90x200cm. Make the doors using steel box profiles, according to the details and instructions of the supervisory body. Door wings shall be coated with steel sheet metal on both sides with thermal insulation. Install three hinges on each wing. Hardware, hinges and cylinder lock with three keys shall be chosen by the designer. Before painting, the metal shall be cleaned of corrosion and dust, impregnated and base coat painted, and then puttied and sanded. Put the first layer of metal paint, putty, sand and finish with second layer of paint. Calculation per piece.	pcs	1		
			TOTAL:		
1.6	Tiling Works				
1.6.1	Install wall ceramic tiles, up to a height of 150cm in sanitary facilities and doctors' offices in the basement. Use first class tiles, locally produced, bond the tiles close together. Manually sand tile edges additionally as necessary. Tiled surfaces shall be flat and vertical. Installed tiles shall be pointed and cleaned using sawdust. The price shall include tile purchase. Calculation per m2.	m2	68.7		

1.6.2	Replace damaged floor tiles and skirting. Damaged floor tiles shall be replaced with the same tiles as the existing ones. Carefully remove existing damaged tiles with mortar, without damaging adjoining tiles, build in new ones and point. Calculation per piece.	pcs	75		
			UKUPNO:		
1.7	Flooring Works				
1.7.1	Remove old vinyl panel floor. After removing the old floor, repair any damages to the screed using appropriate rapid-drying repair compound type Henkel Thomsit RS 88 or equivalent. Calculation per m2.	m2	290.30		
1.7.2	Apply epoxy primer Ceresit CF87 or equivalent and apply self-levelling compound Henkel Thomsit DD or equivalent in a layer not less than 3mm. After drying fine-sand the levelling compound and vacuum-clean sanding residue. Calculation per m2.	m2	290.30		
1.7.3	Purchase deliver and install heterogeneous PVC floor coverings in rolls like Tarkett Force or similar, meeting the following minimum requirements: class 33 under EN 685, 2.5mm thick under EN 428, ware layer 0.6 mm thick under EN 429, total weight 2500 gr/m2 under EN 430, abrasion class T under EN 660-1, slow-burning: Bfl-s1 under EN 13501-1, residual indentation: <0,2 mm under EN 433, unfavourable for development of bacteria and fungi. PVC flooring shall be installed on prepared and flattened cement screed (max. moisture 2%). PVC flooring shall be cut to dry, and fixed on the floor by using eco dispersion adhesive of Henkel Thomsit K188E quality or similar on the entire surface, welding the joints using electrode of the same colour as the selected flooring. Level the joints ideally with the floor after welding. The contractor shall submit together with the offer certificates as proof that the technical characteristics of the product correspond to the technical demands. The price shall include flooring installed and overuse of materials. Calculation per m2.	m2	290.30		
1.7.4	Fix PVC end strip at the end of the flooring on the edge with the wall. Use neoprene eco contact adhesive Henkel Thomsit K1720 (does not contain toluene, highly adhesive) or similar, on a flattened, clean and dry base. Type and dimension of PVC end strip shall be in accordance with the details given by the supervisory body. All the materials shall be provided by the contractor. Calculation per m1.	m2	165.50		
			TOTAL:		

1.8	Paint Works				
1.8.1	Skim finely mortared walls and ceiling, using dispersion putty. Sand, clean and neutralize surfaces. Inspect and repair smaller damages and crevices. Impregnate and coat with dispersion putty three times. Calculation per m2.	m2	1273.00		
1.8.2	Paint walls and ceiling, using the colours chosen by the supervisory body. Sand and impregnate all surfaces and repair smaller damages. Use toned dispersion putty as pre-paint and to flatten the surface, then paint the first and second layers using semi-dispersion paint. Calculation per m2.	m2	2763.00		
1.8.3	Paint the walls using oil paint over old oil paint. Clean and wash the walls with detergent. Sand, repair the damages, and cracks, pre-paint and putty the base surface. Use oil putty on top. Sand and use oil paint for the second layer. Use oil paint for the third layer. The colour and the tone shall be chosen by the supervisory body. Calculation per m2.	m2	675.84		
1.8.4	Paint old metal door frames, using metal paint, previously removing the old paint. Before painting remove old paint and corrosion using chemical and physical agents, sand and clean. Put impregnation and base coat on the door frames, then pre-putty and sand. After applying the first layer of metal paint, putty and sand. Paint the second layer using metal paint, in the tone chosen by the supervisory body. Calculation per piece.	pcs.	83		
			TOTAL:		
1.9	Sanitary Equipment				
1.9.1	Purchase and install set of sinks, dimensions 50x40cm, locally produced, first class. Fix the sinks to the walls with suitable anchors and brass screws, over rubber washers. Connect the sink with chrome plated drain 5/4" in diameter, with basket, plug and chain. Install the hot and cold water faucet. Install shelf, soap and towel holder next to the basin. The sinks and equipment shall be ordered as per the choice of the supervisory body. Calculation per piece.	pcs	10		

1.9.2	Purchase and install toilet set with tank, type Geberit or similar. Use rubber seal ("genzla") and putty on the connection between the toilet and the sewage network so that it is sealed 100%. Fix the toilet over rubber washers using brass screws. Install the tank with valve chosen by the designer. Connect with the water supply network over chrome valve and good quality hose, and connect with the toilet using pipes and rubber washer. Install Bakelite toilet lid with inox screws. Toilet and equipment shall be ordered according to the choice of the supervisory body. Calculation per piece.	pcs	4		
1.9.3	Purchase and install iron cast shower tubs, dimensions 80x80 cm, locally produced, first class. Install the shower tub and connect with outlet using drain 5/4" in diameter with plug and chain. Calculation per piece.	pcs.	1		
1.9.4	Purchase and install single handle chrome faucet for warm and cold water with shower, with movable outlet under the faucet. Place spout plates between the wall and the faucet. Install the faucet carefully so as not to damage the chrome. Calculation per piece.	pcs.	1		
1.9.5	Purchase and mount electric water heater, volume 50 litres. Deliver and install safety valve and connection chrome tubes with the heater. Install the water heater and connect to power supply. Calculation per piece.	pcs	1		
1.9.6	Purchase and install stainless steel single bowl kitchen sink, 60 cm deep. Deliver and install drain with grease trap. The sink shall be chosen by the designer. Calculation per piece.	pcs	1		
1.9.7	Purchase and install chrome wall faucet for kitchen sink, with movable outlet under the faucet, for hot and cold water. Place spout plates between the wall and the faucet. Install the faucet carefully so as not to damage the chrome. Calculation per piece.	pcs	1		
1.9.8	Purchase and install instantaneous kitchen water heater, volume 5 litres. Install the electric water heater and connect to power supply. Calculation per piece.	pcs	1		
1.9.9	Purchase and install floor drain cover, dimensions 15x15 cm, chosen by the designer. Calculation per piece.	pcs	1		
			TOTAL:		

1.10	Miscellaneous Works				
1.10.1	Clean the building	lumpsum			
			TOTAL:		

RECAPITULATION		
Dismantling		
Demolitions and Removals		
Masonry Works		
Doors and Windows		
Sheetmetal Works		
Tiling Works		
Flooring Works		
Paint Works		
Sanitary Equipment		
Miscellaneous Works		
	TOTAL:	

BILL OF QUANTITIES FOR MACHINE WORKS IN HEALTH CENTRE OBRENOVAC - BUILDING C

No.	Item	Unit of Measure	Q. Of Unit	Total Unit Price	Total
2.1	BOILER ROOM - SUBSTATION				
2.1.1	Dismount boilers and burners of liquid fuel, product <i>Toplota</i> ZG , capacity Q=350.000 kcal/h with additional equipment and remove them from the building.	pcs	2		
2.1.2	Dismount plate heat exchanger, clean, wash and remount it.	pcs	1		
2.1.3	Dismount complete reinforcement on the installation, service, paint and mount it.	set	1		
2.1.4	Dismount thermometer and manometer, deliver and install new ones.	set	1		
2.1.5	Dismount pipe mineral wool insulation in aluminium tin lining, deliver and mount new.	m ²	40		
2.1.6	After dismantling the insulation, the pipes need to be cleaned of dirt and corrosion and painted with base paint in two layers.	m ²	10		
2.1.7	Clean the hot water boiler, paint with base paint and insulate with mineral wool with aluminium tin lining.	m ²	15		
				TOTAL:	
2.2	RADIATOR HEATING				
2.2.1	Dismount existing cast radiators.	pcs	16		
2.2.2	Dismount all radiator valves and lockshield valves.	set	16		
2.2.3	Remove the radiators from the building, wash them thoroughly with water under pressure and clean of corrosion.	pcs	16		
2.2.4	Paint radiators with base paint and radiator lacquer in two layers.	m ²	80		
2.2.5	Clean the part of the pipeline that was flooded of corrosion, paint using base paint and radiator lacquer in two layers.	m ²	18		
2.2.6	Deliver and mount new radiator valves and lockshield valves.	set	16		
2.2.7	Deliver and mount radiator holders and consoles.	set	32		
2.2.8	Mount back washed and painted radiators on existing positions after finishing the walls.	pcs	16		
2.2.9	Perform pressure and impermeability hydraulic tests and put in operation.	lumps um	1		

				TOTAL:	
2.3	VENTILATION AND AIR CONDITIONING				
2.3.1	Dismount thermal ventilation chamber product <i>Termovent</i> BG, of the following composition: -ventilation section V=1500 m ³ /h -hot water heater section -filter section Perform general cleaning, servicing and disinfection and remount. Replace the filters.	pcs	1		
2.3.2	Dismount galvanized tin ducts and ventilation grills. Perform general washing, disinfection and remount.	set	1		
2.3.3	Dismount the existing air conditioning sing spit unit, Whirlpool product, 18.000 btu, deliver and mount new, Whirlpool or similar.	pcs	1		
				TOTAL:	

RECAPITULATION	
BOILER ROOM - SUBSTATION	
RADIATOR HEATING	
VENTILATION AND AIR CONDITIONING	
TOTAL:	

BILL OF QUANTITIES FOR THE WORKS ON THE SANATION OF ELECTRICAL INSTALLATIONS IN THE HEALTH CENTRE OBRENOVAC, BUILDING "C" "FIZIKALNA"

Faulty cables that cannot be dismantled without removing the mortar shall be left under the mortar in such a way that they cannot contact the installation nor be near voltage. They shall not be found in the distribution box.

Distribution cabinets shall be made according to the standards and regulations in power with lock for locking the doors. All the equipment built inside must be followed by appropriate documentation. Certified unipolar schematic shall be delivered with the cabinet.

3 ELECTRICAL INSTALLATION WORKS ELEKTROMONTAŽNI RADOVI					
No.	Item	Unit of Measure	No. Of Units	Total Unit Price	Total
3.1	Deliver and mount distribution cabinet RT-M, approximate dimensions (WxHxL) 600x600x220mm (dimensions to be measured on the spot) in DINING HALL. The following equipment shall be built in the cabinet:		1		
	automatic fuse B 10A	pcs	4		
	automatic fuse B 16A	pcs	20		
	Motorised starter for the ventilator	pcs	1		
	Maintenance socket	pcs	1		
		set	1		
3.2	Deliver and assemble distribution cabinet RO-, approximate dimensions (WxHxL) 600x600x220mm (dimensions to be measured on the spot) in the corridor next to the stairway. The following equipment shall be built in the cabinet:		1		
	automatic fuse B 10A	pcs	4		
	automatic fuse B 16A	pcs	20		
	Motorised starter for the ventilator	pcs	1		
	Maintenance socket	pcs	1		
		set	1		
3.3	Deliver and mount distribution cabinet RO-AT dimensions (WxHxL) 600x600x220mm, in the hallway on the position of the existing AT. The following equipment shall be built in the cabinet:		1		
	automatic fuse B 16A	pcs	12		
	automatic fuse B 10A	pcs	4		
	Maintenance socket	pcs	1		
		set	1		
3.4	Deliver and mount five-pole socket 16A, 400V. Dining hall.	pcs	2		
3.5	Feed power to the socket using cable PP-Y 5x2,5mm ² average length 20m.	pcs	2		
3.6	Deliver and mount two-pole socket 16A, 250V.	pcs	10		

3.7	Feed power to the socket using cable PP-Y 3x2,5mm2 average length 20m.	pcs	10		
3.8	Parapet distribution in offices and in the hallway with two separate compartments for electrical and telecommunications cables.	m	30		
3.9	Deliver and install modular energy sockets 3-pole 16A.	pcs	30		
3.10	Feed power to the socket using cable PP-Y 3x2,5mm2 average length 20m.	pcs	15		
3.11	Deliver and install cables PP-Y 3x1.5mm2 under the mortar in the wall to feed power to new indoor lighting fixtures.	m	500		
3.12	Deliver and install common switch 10A/220V.	pcs	12		
3.13	Deliver and install serial switch 10A/220V.	pcs	5		
3.14	Deliver and install alternating switch 10A/220V.	pcs	4		
3.15	Deliver and install ceiling grill lighting fixture 2x36W.	pcs	25		
3.16	Deliver and mount surface-mounted lighting fixture 4x18W.	pcs	10		
3.17	Deliver and mount lighting fixture for the hallway 2x18W.	pcs	10		
3.18	Deliver and mount ceiling light with flat ceramic socket and opaline bowl.	pcs	14		
3.19	Deliver and mount light with slanted ceramic socket and opaline bowl.	pcs	7		
3.2	Install anti-panic lighting using cable type PP-Y 3x1.5mm2 placed under the mortar inside the wall and connected to the nearest distribution cabinet. The offer shall include building in a special miniature automatic 6A switch in distribution cabinets for the anti-panic lighting electric circuit. Paid per meter of length.	m	250		
3.21	Deliver and install anti-panic light 1x8W connected standby with 3 hours autonomy.	pcs	18		
3.22	Dismount old electric installations that are to be put out of use after construction status inspection of the building.	set	1		
3.23	Modular computer network sockets RJ45.	pcs	3		
3.24	Installation (Wall) cable S/FTP LSOH Cat.6 500MHz. Belden, Teldor, Panduit or Schrack placed in ribbed PVC pipe or parapet.	m	100		
3.25	Connect and integrate the new telecommunications installations with the existing system.	set	1		
3.26	Test installations and provide report.	set	1		
3.27	Develop final status project.	set	1		
				TOTAL:	

RECAPITULATION		
1	Construction and Specialist Works	
2	Electric Installation Works	
3	Machine Installations	
TOTAL:		