

Construction and Finishing work on the Obrenovac Health Care Centre Building 'A'					
No	Item	UoM	Quantity	Price	Total
1.1	Dismounting				
All dismantling work shall be done carefully with minimum damage to the walls, exterior cladding, plaster and jambs.					
1.1.1	Dismounting of cellar wooden windows of surface area up to 2.00 m ² . dismantled windows shall be folded, loaded onto a lorry and transported to a place designated by the Supervisor. Calculated per piece.	kom.	4		
1.1.2	Dismounting of wooden cellar entrance doors of surface area over 2.00 m ² . The dismantled doors shall be folded, loaded onto a lorry and transported to a place designated by the Supervisor. Calculated per piece.	kom.	2		
1.1.3	Dismounting of interior cellar metal doors together with door posts, of surface area over 2.00 m ² . The dismantled doors shall be folded, loaded onto a lorry and transported to a place designated by the Supervisor. Calculated per piece.	kom.	2		
1.1.4	Dismounting of single wooden interior doors together with door posts, of surface area up to 2.00 m ² . The dismantled doors shall be folded, loaded onto a lorry and transported to a place designated by the Supervisor. Calculated per piece.	kom.	19		
1.1.5	Dismounting of single wooden interior doors of surface area over 2.00 m ² , together with door posts. The dismantled doors shall be folded, loaded onto a lorry and transported to a place designated by the Supervisor. Calculated per piece.	kom.	21		
1.1.6	Dismounting of interior double doors. The dismantled doors shall be folded, loaded onto a lorry and transported to a place designated by the Supervisor. Calculated per piece.	kom.	1		
TOTAL:					

1.2	Demolition and Chiselling				
1.2.1	Chiselling plaster off of interior cellar walls and parts of the ground floor. The plaster shall be chiselled off and joints cleaned up to the depth of 2cm. The brick surface shall be cleaned with steel brushes and the walls washed with water. The rubble shall be collected, taken out, loaded onto a lorry and transported to the town landfill. The price shall include auxiliary scaffolding. Calculated per m2.	m2	668.50		
1.2.2	1.1.1. Chiselling wall ceramic tiles off of cellar walls. The tiles shall be chiselled off and the concrete surfaces cleaned with steel brushes. The rubble shall be collected, taken out, loaded onto a lorry and transported to the town landfill. Calculated per m2 of chiselled surface area.	m2	23.50		
1.2.3	Chiselling plaster off of ceilings together with reeds and the wooden substructure in the former substation and archive rooms. The rubble shall be collected, taken out, loaded onto a lorry and transported to the town landfill. The price shall include scaffolding. Calculated per m2.	m2	51.80		
			TOTAL:		
1.3	Bricklaying Work				
1.3.1	Machine plastering of interior walls with jamb treatment using two coats of lime plaster, d=2cm. Corner guards shall be placed on all edges (doors, windows, corners, pillars, beams) during machine plastering. Plastered surfaces shall be flat, with no waves and cracks and the edges shall be sharp and straight. The plaster shall be wetted to avoid quick drying. Calculated per m2.	m2	620.50		

1.3.2	Plastering of interior ground floor walls in two coats of lime plaster with jamb treatment. Prior to plastering the surfaces shall be cleaned and sprayed with grout. The first coat shall be delivered in lime mortar up to 2cm thick made of sifted gravel, very coarse sand and limestone. The plaster shall be constantly stirred so the milk of lime does not separate. The plaster shall be applied over the sublayer and cut for better adherence of the second coat. The second coat shall be made with small-grain clean sand, with no presence of sludge and organic matter and applied over the first coat. Floating shall be done with wetting and small floats. Plastered surfaces shall be flat, with no waves and cracks and the edges shall be sharp and straight. The plaster shall be wetted to avoid quick drying and dusting. Calculated per m2.	m2	68.00		
			TOTAL:		
1.4 Doors and Windows					
Prior to manufacture of PVC doors and windows all dimensions shall be taken and checked on mount site. All PVC doors and windows shall be made using 1st class material, fittings type G-U or equivalent and profiles type KBE or equivalent.					
1.4.1	Manufacture and mounting of glazed cellar windows, dimensions 210/75 cm. the windows shall be made of PVC profiles. The windows shall be sealed with permanently elastic EPDM rubber vulcanised in all corners. The fittings and the tone shall be as selected by the Supervisor. The window panes shall be glazed with single ornament glass and sealed with rubber. Opening as in existing windows. Calculated per piece.	kom.	4		
1.4.2	Manufacture and mounting of cellar entrance single PVC solid door, dimensions 105x210cm with fixed transom dim. 105/75cm. The door shall be made of highly durable PVC with a multi-chamber profile system, supported with steel profiles, filling and a rubber sealing system, according to the joinery sketches and detail. The fittings, cylinder lock and three keys, three hinges. The door colour shall be as selected by the Designer. The transom shall be glazed with 5mm thick single ornament glass and sealed with permanently elastic rubber. Calculated per piece.	kom.	1		

1.4.3	Manufacture and mounting of cellar entrance single PVC solid door, dimensions 105x210cm. The door shall be made of highly durable PVC with a multi-chamber profile system, supported with steel profiles, filling and a rubber sealing system, according to the joinery sketches and detail. The fittings, cylinder lock and three keys, three hinges. The door colour shall be as selected by the Designer and sealed with permanently elastic EPDM rubber. Calculated per piece.	kom.	1		
1.4.4	Manufacture and mounting of a double PVC solid door, dimensions 160x205cm. The door shall be made of highly durable PVC with a multi-chamber profile system, supported with steel profiles, filling and an EPDM rubber sealing system, according to the joinery sketches and detail. The fittings, lock and two keys, three hinges. The door colour shall be as selected by the Supervisor. Calculated per piece.	kom.	1		
1.4.5	Manufacture and mounting of a single PVC solid door, dimensions 97x210cm. The door shall be made of highly durable PVC with a multi-chamber profile system, supported with steel profiles, filling and an EPDM rubber sealing system, according to the joinery sketches and detail. The fittings, lock and two keys, three hinges. The door colour shall be as selected by the Supervisor. Calculated per piece.	kom.	5		
1.4.6	Manufacture and mounting of a single PVC solid door, dimensions 81x195cm. The door shall be made of highly durable PVC with a multi-chamber profile system, supported with steel profiles, filling and an EPDM rubber sealing system, according to the joinery sketches and detail. The fittings, lock and two keys, three hinges. The door colour shall be as selected by the Supervisor. Calculated per piece.	kom.	16		
1.4.7	Manufacture and mounting of a single PVC solid door, dimensions 77x200cm. The door shall be made of highly durable PVC with a multi-chamber profile system, supported with steel profiles, filling and an EPDM rubber sealing system, according to the joinery sketches and detail. The fittings, lock and two keys, three hinges. The door colour shall be as selected by the Supervisor. Calculated per piece.	kom.	7		

1.4.8	Manufacture and mounting of a single PVC solid door, dimensions 61x198cm. The door shall be made of highly durable PVC with a multi-chamber profile system, supported with steel profiles, filling and an EPDM rubber sealing system, according to the joinery sketches and detail. The fittings, lock and two keys, three hinges. The door colour shall be as selected by the Supervisor. Calculated per piece.	kom.	12		
			TOTAL:		
1.5	Tiling Work				
1.5.1	Putting up wall ceramic tiles from in the cellar bathroom. Tiles shall be 1st class, locally manufactured and set in a straight joint bond. If needed the edges of tiles can be additionally cut with an angle grinder. Tiled surfaces shall be flat and vertical. Placed tiles shall be grouted and cleaned with sawdust. The price shall include tile procurement. Calculated per m ² .	m2	38.5		
1.5.2	Putting up floor ceramic tiles on the floor of the cellar toilet and in the entrance part of the cellar; tiles shall be 30x30cm, set in cement mortar. The 1st class tiles shall be set in cement mortar in a joint bond selected by the Designer. The sublayer shall previously be sprayed with grout. If needed the edges of tiles can be additionally cut with an angle grinder. Tiling shall be as flat as possible, the tiles shall be grouted and the floor cleaned with sawdust. The price shall include tile procurement. Calculated per m ² .	m2	25.70		
			TOTAL:		
1.6	Paint Work				
1.6.1	Gypsum plastering of finely plastered walls and ceilings using emulsion putty. All surfaces shall be sanded, cleaned and neutralized. A check for small cracks must be performed and these shall be puttied. The surface shall then be impregnated and coated with emulsion putty three times. Calculated per m ² .	m2	347.80		
1.6.2	Painting the walls and ceilings with paint as selected by the Supervisor. The surfaces shall be sanded, cleaned and neutralized. A check for small cracks must be performed and these shall be puttied. The surface shall then be primed and corrected using toned emulsion putty, after which it shall be painted in two coats of emulsion paint. Calculated per m ² .	m2	1485.36		

1.6.3	Painting the walls in glossy paint over the old paint job. The walls shall be cleaned and washed with detergent. The walls shall be sanded, all cracks and damage puttied, primed and the sublayer puttied again. The surface shall then be puttied using oily putty, sanded and painted over again. The third coat of glossy paint shall then be applied. The colour and tone as selected by the Supervisor. Calculated per m ² .	m2	759.73		
		TOTAL:			
1.7	Weatherproofing				
1.7.1	Protection of the brick wall thickness up to 52 cm from capillary dampnes with IZOLIT 5, Dramin, Zemun or equivalent. Above the ground, to circumvent the strip of plaster height of 30 cm and drill holes with a diameter of 20-30 mm at an angle of 30-40 degrees from the vertical wall. Punch holes in two rows, at an altitude distance about 15 cm. Horizontal holes in one row at a distance of 20 cm, and the holes of the second row are staggered in half compared to the first one. Punch holes on the inner side of the wall at the same height, blown dust and oil to the top of IZOLIT 5, or similar. After absorbing the procedure repeated 5-6 times or until complete saturation of the wall. Holes of saturated wall fill with liquid cement mortar. The surface of the wall three times primed Isolyte penetrators, or similar, from the floor to a height of 40 cm from the upper row of holes. All work is performed in accordance with the manufacturer's recommendations and the supervisory authority. Calculation per m1	m1	164.73		
		TOTAL:			
1.8	Sanitary Ware				
1.8.1	Procurement and mounting of a washbasin set, dimensions 50x40cm, locally manufactured, 1st class. The washbasin shall be fixed to the wall using appropriate anchors and brass screws over rubber pads. The washbasin shall be connected to the drain with a chrome plated siphon diameter 5/4" with a fixing bracket, plug and chain. A hot and cold water tap shall be fitted. A shelf, soap and towel rack shall be fitted next to the washbasin. The washbasin and equipment shall be ordered according to the Supervisor's choice. Calculated per piece.	kom.	3		

1.8.2	Procurement and mounting of a toilet and toilet tank set. The connection of the toilet to the sewer grid shall be made with a toilet connector and adequate putty to provide a 100% seal. The toilet shall be fastened with brass screws over rubber mats. A Geberit type water tank shall be placed. A Bakelite plastic toilet seat cover shall be placed. The toilet and equipment shall be ordered according to the Supervisor's choice. Calculated per piece.	kom.	2		
1.8.3	Procurement and mounting of a 15x15cm floor grille, as selected by the Designer. Calculated per piece.	kom.	2		
TOTAL:					

1.9	Miscellaneous Works			
1.9.1	Clean the building	lumpsum		
TOTAL:				

	SUMMARY			
1.1	Dismounting			
1.2	Demolition and Chiselling			
1.3	Bricklaying Work			
1.4	Doors and Windows			
1.5	Paint Work			
1.6	Tiling work			
1.7	Weatherproofing			
1.8	Sanitary Ware			
1.9	Miscellaneous Works			
TOTAL:				

**BILL OF QUANTITIES FOR THE REHABILITATION OF ELECTRICAL INSTALLATIONS IN THE
OBRENOVAC HEALTH CARE CENTRE BUILDING 'A(1)' - CELLAR**

ELECTRICITY MOUNT WORK					
No	Item	UoM	Quantity	UoM Total Price	Total
CONSUMER UNITS					
1	Wall mount consumer unit RT with 6 fuses:		1		
	Automatic fuse B 16A	pcs.	5		
	Automatic fuse B 10A	pcs.	1		
	Petty unspecified material	lump			
		complete	1		
LIGHTING AND SOCKETS					
2	Delivery and mounting of PP00-Y cables in cabinets, raceways or wall clamps. If needed, cables shall be laid i.e. if an existing cabel is damaged...)				
	PP00-Y 3x1,5mm2	m	50		
	PP00-Y 3x2,5mm2	m	50		
	PP00-Y 5x2,5mm2	m	20		
	PP00-Y 5x4mm2	m	20		
3	Delivery and mounting of a serial switch 10A/220V, wall mount	pcs.	2		
4	Delivery and mounting of schuko single phase socket 16A, 230V, wall mount	pcs.	4		
5	Delivery and mounting of schuko three-phase socket 16A, 400V, wall mount	pcs.	2		
6	Delivery and mounting of ceiling mount light IP65 with housing, similar to type Basic 5700 INTRA 2x18W , complete.	pcs.	8		
7	Delivery and mounting of panic light 1x8W in standby connection with 6h autonomy (according to design).	pcs.	2		
8	Dismounting of old electrical installations and equipment being changed and handover to Investor with making a record of it.	lump	1		
9	Testing the installation with provision of report.	complete	1		
10	Development of as-built design.	complete	1		
TOTAL					

**PRICED BILL OF QUANTITIES FOR THE MECHANICAL WORK
OBRENOVAC HEALTH CARE CENTRE - BUILDING A**

	DESCRIPTION	UoM	Quantity	Price	Total
I Central Heating Cellar and Ground Floor					
1.	Dismounting existing aluminium radiators type Global vox 600 or similar	pcs.	32		
2.	Dismounting radiator valves and screws	cmpl	32		
3.	Taking radiators out of the building, detailed flushing with water under pressure and disinfectant	pcs.	32		
4.	Delivery and mounting of new radiator valves and screws.	cmpl	32		
5.	Delivery and mounting of new radiator carriers and consoles	cmpl	64		
6.	Mounting flushed and cleaned radiators on existing positions after treating the walls	pcs.	32		
7.	Hydraulic pressure and watertightness testing and commissioning.	lump	1		
				TOTAL:	

SUMMARY		
Construction and Finishign Work		
Electrical Installation		
Mechanical Installation Work		
	TOTAL:	