

Town: Belgrade
 Building: Protected Social Housing
 Construction Site: Jabučki Rit

ELECTRICAL INSTALLATIONS

| BILL OF QUANTITIES | | | | | |
|---|---|---------|-----|------------|-------------|
| NOTE: This Bill of Quantities shall include the delivery of all the necessary materials and equipment, installation works as described under individual items, testing and putting in operation, as well as reparation of all damages in installation works already performed. All the materials used shall be of first class quality. All works shall be performed by qualified manpower, fully in compliance with the regulations and standards in power for this type of works. The price shall include all the materials described under individual items and all accessories needed for the given item, transport as well as the cost of manpower with all the taxes and benefits included. The price shall also include testing and putting in operation all the installation parts described under individual items. | | | | | |
| The contractor shall perform all the works fully in compliance with the attached technical description, technical specifications, Bills of Quantities and drawings, and study the received documentation well before commencing works and give a timely warning of any conflicts with existing regulations. The contractor shall not be exempt from performing certain works envisaged by the BoQ, but perhaps not mentioned in the technical description or any other attachment to this project, which they are to perform in compliance with the regulations in power applicable to the installations for this type of building. <i>The prices stated serve as information only. For the delivery of equipment, material and works performed, the prices given in the contractor's offer shall apply.</i> | | | | | |
| BILL OF QUANTITIES | | | | | |
| Item | DESCRIPTION | UoM | NoU | Unit Price | Total Price |
| 1. | Telephone installation | | | | |
| 1.1 | Outlet telephone cabinet ITO-1 made of two times pickled sheet with door, lock and key, dimensions 590x250x125 mm with all the necessary equipment inside, such as disconnecting NT terminal box with capacity 3x10x2 and connecting NT terminal box with capacity 3x10x2. All terminal boxes must correspond to class 2 or 3 DSL cables. The cabinets need to be earthed by laying a 16-mm ² P/F cable. | | | | |
| | Purchase delivery, mounting and wiring. | pcs | 2 | | |
| 1.2 | Built-in telephone socket for module RJ-11, all together with support, mask, adapter and socket. | | | | |
| | Purchase, delivery, mounting and wiring. | pcs | 15 | | |
| 1.3 | Telecommunication cable type: J-Y(St)Y 2x2x0,6 mm | m | 340 | | |
| | Purchase, deliver, lay along cable tray, insert in the installation pipe and connect. | | | | |
| 1.4 | Installation pipe: Ø16 | m | 190 | | |
| | Ø32 | m | 30 | | |
| | Purchase, delivery and installation. | | | | |
| 1.5 | PE pipe Ø50 shall be placed from ITO cabinet to the building exit, in order to later lay the feeding telephone cable inside it. | | | | |
| | Purchase, delivery, installation. | m | 12 | | |
| 1.6 | Perform final electrical measurements (insulation resistance, attenuation, crosstalk and testing each pair of wires for cut-off and short circuit), issue certification, train users, develop technical documentation of the final installation status and put in operation. | lumpsum | 1 | | |
| 1.7 | Other unforeseen costs and miscellaneous supplies. | lumpsum | 1 | | |
| TOTAL 1: | | | | | |

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| | BILL OF QUANTITIES | | | | |
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| 2. | Interphone installation | | | | |
| | <i>Equipment shall be manufactured by TCS Germany or similar</i> | | | | |
| 2.1 | PES20-EN call unit with 10 push buttons, manufactured by TCS Germany or similar. | | | | |
| | Speaker privacy module | | | | |
| | Integrated microphone loudspeaker combination with own amplifier | | | | |
| | Wall surface mounting | | | | |
| | Made of aluminium, only 19-mm thick. | | | | |
| | Purchase, delivery, mounting and wiring. | pcs | 2 | | |
| | | | | | |
| 2.2 | BVS20-SG, power supply unit, manufactured by TCS Germany or similar. | | | | |
| | Without central amplifier | | | | |
| | Purchase, delivery, mounting and wiring. | pcs | 2 | | |
| | | | | | |
| 2.3 | 96 EADLAJ, electromagnetic door lock electric strike plate 12V AC, manufactured by MCM Spain or similar. | | | | |
| | Purchase, delivery, mounting and wiring. | pcs | 2 | | |
| | | | | | |
| 2.4 | Push button for opening the door. Mount on the inside of the building entrance door. | | | | |
| | Purchase, delivery, mounting and wiring. | pcs | 2 | | |
| | | | | | |
| 2.5 | TTS22-RW, door telephone, manufactured by TCS Germany or similar. | | | | |
| | Speaker privacy module | | | | |
| | Own audio signal amplifier | | | | |
| | Purchase, delivery, mounting and wiring. | pcs | 15 | | |
| | | | | | |
| 2.6 | Telecommunication cable type: | | | | |
| | J-Y(St)Y 1x2x0,8mm | m | 110 | | |
| | J-Y(St)Y 2x2x0,8mm | m | 15 | | |
| | Purchase, delivery, insertion in the installation pipe and connecting. | | | | |
| | | | | | |
| 2.7 | Power supply installation cable type: | | | | |
| | PPL 2x0,75 mm2 | m | 25 | | |
| | Purchase, delivery, insertion in the installation pipe and connecting. | | | | |
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| | BILL OF QUANTITIES | | | | |
| 2.8 | Distribution box 100x100 with serial terminals. | pcs | 4 | | |
| | Purchase, delivery, mounting and connecting. | | | | |
| | | | | | |
| 2.9 | Installation pipe: | | | | |
| | Ø16 | m | 150 | | |
| | Purchase, delivery and installation. | | | | |
| | | | | | |
| 2.10 | Perform final electrical measurements (insulation resistance, attenuation, crosstalk and testing each pair of wires for cut-off and short circuit), issue certification, train users, develop technical documentation of the final installation status and put in operation. | lumpsum | 1 | | |
| | | | | | |
| 2.11 | Other unforeseen costs and miscellaneous supplies. | lumpsum | 1 | | |
| | | | | | |
| | TOTAL 2: | | | | |
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