PRICED BILL OF QUANTITIES FOR WORKS

*on the **pellet storage facility** , Primary School Stefan Nemanja Novi Pazar*

| Item No. | Item Description | Unit of Measure | No. of Units | Unit price | Total Price |
|---|---|---|---|---|---|
| I | *PREPARATORY WORKS* | | | | |
| 1 | Partial demolition of the existing pavement in places where the new structure requires, using machines, around the sports hall and boiler room, at the location of the future pellet storage building, loading the demolished material and transporting it to a suitable location in the wider urban area. Calculation per m2. | $m^2$ | 25.0 | | |
| 2 | Dig out a 20cm layer of hummus using machines (from the level -0.45 to the level 0.65) at the location of the future pellet storage building, including transport to wider urban area. Calculation per m2. | $m^2$ | 125.0 | | |
| 3 | Manually excavate soil categories III and IV for skirting (after previously removing a layer of hummus d=20cm), 40cm deep (from level -0.65 to level -1.05), including spreading the material in the vicinity or transporting excess material outside the building site, in the wider urban area. Calculation per m3. | $m^3$ | 2.8 | | |
| 4 | Purchase, transport and fill in base layer of gravel underneath the AB floor slab (at the height of 50cm, from level -0.15 to level -0.65), underneath the hollow brick wall foundation (at the height of 25cm, from level -0.40 to level -0.65) and pad foundations (at the height of 25cm, from level -0.40 to level -0.65) in 15cm layers, with proper moistening and compacting until reaching the planned level of compactness. Calculation per m3 of filled in and well compacted material. | $m^3$ | 60.4 | | |
| | Remove bottom row of existing windows on the sports hall and auxiliary room, in order to close the openings afterwards, entirely in accordance with the project documents. Calculation per piece. | | | | |
| 5 | Window dimensions *360.0x190.0cm* | pcs | 4.0 | | |
| 6 | Window dimensions *80.0x100.0cm* | pcs | 1.0 | | |
| | | | | Total: | |

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| II | *MASONRY WORKS* | | | | |
| 1 | Build the partition wall *d=25.0cm* using hollow clay blocks in lime-cement mortar *1:3:9* . The blocks shall be moistened with water before installation. Calculation per m3. | $m^3$ | 4.2 | | |
| 2 | Close window openings, entirely in accordance with the design, using hollow clay blocks, d=25cm, in lime-cement mortar 1:3:9. The blocks shall be moistened with water beforehand. Calculation per m3. | $m^3$ | 7.0 | | |
| | | | | Total: | |
| III | *ARMED CONCRETE WORKS* | | | | |
| 1 | Make AB floor slab d=15cm using concrete brand MB30, reinforced on both sides on a previously well compacted base layer of gravel. The elements shall be reinforced in accordance with the details provided on the graphics in the annexes. The price shall include all the necessary formwork and all the necessary tools for concreting. Calculation per m3. | $m^3$ | 17.9 | | |
| 2 | Make AB foundation strips and pad foundations, using concrete brand MB 30. The elements shall be reinforced in accordance with the details provided on the graphics in the annexes. The price shall include all the necessary formwork and all the necessary tools for concreting. Calculation per m3. | $m^3$ | 1.0 | | |
| 3 | Make AB skirting on the free side of the floor slab, as well as A.B. ring beam for the partition wall, d=25cm, using concrete brand MB30 in the necessary formwork. Elements shall be reinforced in accordance with the details provided on the graphics in the annexes. The price shall include the necessary formwork and all the additional tools needed for concreting. Calculation per m3. | $m^3$ | 4.2 | | |
| | | | | Total: | |
| IV | *REINFORCING WORKS* | | | | |
| 1 | Purchase, cut, bend and install RA 400/500 reinforcement, including cleaning rust off it, entirely in accordance with the details. Calculation per kg of installed reinforcement. | kg | 1,340.0 | | |
| | | | | Total: | |

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| V | *STEEL STRUCTURE* | | | | |
| | Purchase and install elements for steel structure. The price shall include anti-corrosion coating systems and painting visible parts of the structure brown, entirely in accordance with the description in the structure design.<br>Calculation per kg of installed steel structure. | | | | |
| 1 | Purchase and install binding rafter profile, entirely in accordance with the design. The price shall also include all the necessary bonding elements, anchor-plates, material and equipment for welding and all constructive bonds as per detail. | kg | 675.0 | | |
| 2 | Purchase and install header sheet railing made of HOP160x100x5mm profile, entirely in accordance with the design. The price shall also include all the necessary bonding elements, anchor-plates, material and equipment for welding and all constructive bonds as per detail. | kg | 510.5 | | |
| 3 | Purchase and install pillars made of HOP100x100x5mm profiles entirely in accordance with the design. The price shall also include all the necessary bonding elements, anchor-plates, material and equipment for welding and all constructive bonds as per detail. | kg | 368.5 | | |
| 4 | Purchase and install sheeting rails in longitudinal wall made of HOP80x60x4mm profiles entirely as in the design and lower profile on the concrete slab (except in the door zone). The price shall also include all the necessary bonding elements, anchor-plates, material and equipment for welding and all constructive bonds as per detail. | kg | 172.2 | | |
| 5 | Purchase and make horizontal roof bracing and vertical bracing in the longitudinal wall, made of round steel d=10mm, entirely as in the design. The price shall also include all the necessary bonding elements, anchor-plates, material and equipment for welding and all constructive bonds as per detail. | kg | 49.4 | | |

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| 6 | Purchase material and use fire safety coatings on all load bearing pillars (HOP100x100x5mm) and anchor-plates/profiles for anchoring header sheeting rails (HOP 100x160x5mm) that shall remain unhidden, i.e. unprotected, after lining with fire resistant gypsum boards.<br>Fire protection coatings must provide resistance to fire class F90min entirely in accordance with SRPS U.J1.042/2000 and SRPS U.J1.043/2000.<br>Calculation per kg of protected structure. | kg | 410.0 | | |
| | | | | Total: | |
| VI | *ROOFING WORKS* | | | | |
| 1 | Purchase and install galvanized, plastic coated, trapezoidal steel sheet TR-40/240 d=0.5mm. The price shall also include all finishing works on covering and installation, as well as finishing towards walls and installation of line snow barriers L=125cm RŠ=25cm, in two rows in zig-zag, entirely in accordance with project documents. Calculation per m2. | $m^2$ | 78.0 | | |
| | | | | Total: | |
| VII | *METAL WORKS* | | | | |
| 1 | Purchase and install wire mesh to form the *frontal wall* of the storage building, including building in doors and door openings in combination of steel profiles (as frame) and wire mesh. The wire mesh shall be welded to the front row of HOP100x100x5mm load bearing pillars, and then coated over with anti-corrosion coats and painted brown. Entirely as per the structure design. The price shall include all the necessary bonding elements and equipment to connect the mesh to the structure. Calculation per m2. | $m^2$ | 42.0 | | |
| | Make openings in the existing boiler room wall. Purchase, transport and install steel double warehouse door dim. 180/200cm. Opening method entirely in accordance with metal works schematics. Calculation per piece. | pcs | 1.0 | | |
| | | | | Total: | |

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| VIII | *SHEET METAL WORKS* | | | | |
| 1 | Make and install ***hanging*** rectangular gutters made of plastic-coated sheet metal, developed width (RŠ) 55cm, dim. 15x15cm and 0.50mm thick. The gutters shall be joined together using pop rivets in single rows, with maximum spacing of 3 cm and bound together using silicone. Hanging gutter support brackets shall be made using steel sheet 25x5mm and riveted on the front side using pop rivets. On the other side the brackets shall be welded to the binding rafter HOP60x100x5mm, spaced at 80cm. The price shall also include the connection of the gutter with the existing/planned gutter vertical on the power substation wall. Calculation per m1. | $m^1$ | 15.0 | | |
| | | | | Total: | |
| IX | *FAÇADE WORKS* | | | | |
| 1 | All the newly built walls and surfaces of closed window openings shall be mortared using lime-cement mortar and facade shall be made using acrylic facade mortar of Bavalit type, in suitable colour depending on the item. The walls shall previously be levelled and coated with base coatings. On the inside the walls shall be skimmed and painted using semi-dispersion. Everything shall be included in the price. Calculation per m2. | $m^2$ | 90.0 | | |
| 2 | Line the ceiling of the storage building using *fire resistant gypsum boards* including the necessary substructure, resistance class F90min, as a fire safety measure provided in the study. The boards shall be skimmed and painted with semi-dispersion. Resistance class shall be proven with certificate of compliance documents. Calculation per m2. | $m^2$ | 80.0 | | |
| | | | | Total: | |
| X | *MISCELLANEOUS WORKS* | | | | |
| 1 | Purchase and install manual fire extinguishers S9. Calculation per piece. | pcs | 4.0 | | |
| | | | | Total: | |

SUMMARY:

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| I | PREPARATORY WORKS | |
| II | MASONRY WORKS | |
| III | ARMED CONCRETE WORKS | |
| IV | REINFORCING WORKS | |
| V | STEEL STRUCTURE | |
| VI | ROOFING WORKS | |
| VII | METAL WORKS | |
| VIII | SHEET METAL WORKS | |
| IX | FAÇADE WORKS | |
| X | MISCELLANEOUS WORKS | |
| | T O T A L : | |