VOLUME 4.2

**Name of contract tendered: „Small scale constructions for the needs of Municipality of Botevgrad under project CB007.2.11.224“,**

**LOT 1**: **Exposure and Socialization of the Clock Tower in Botevgrad under project CB007.2.11.224**

FINANCIAL OFFER TEMPLATES

**LUMP SUM CONTRACTS**

**Introduction**

1. The breakdown of the lump-sum price (Volume 4.2.3) is the itemised list of prices showing the build-up of the price in a lump-sum contract. This breakdown of the lump-sum price does not derogate in any way to the clause stating that, in a lump-sum contract, the total contract price remains fixed irrespective of the quantity of work actually carried out.

The amounts due will be calculated by the tranches specified in article 49(1)(a) of the Special Conditions.

2. The item description given in the breakdown of the lump-sum price in no way limits the contractor’s obligations under the contract to provide all the works described elsewhere.

3. The prices of the breakdown of the lump-sum price include all incidental and contingent expenses and all risks necessary to construct, complete and maintain all works in accordance with the contract. Unless separate items are provided in the breakdown of the lump-sum price, prices include all costs involved in the various items of the breakdown.

4. The lump–sum price and the prices of the breakdown of the lump-sum price are all-inclusive and include any non-exonerated tax or fiscal duty.

**VOLUME 4.2.3 — BREAKDOWN OF THE LUMP-SUM PRICE**

| **Item** | **Description** | **Unit** | **Unit price** | **Firm quantities** | **Lump-sum price BGN** | |
| --- | --- | --- | --- | --- | --- | --- |
| **PART ARCHITECTURE** | | | | | | | |
| **I.** | **CONSTRUCTION AND DISMANTLING WORKS** | | | | | | |
| **1.** | **Dismantling works outside the Clock tower** | | | | | | |
| 1.1. | Dismantling of destroyed marble slabs from the bulkhead / cladding / with H = 1.10m | m2 |  | 1,79 |  | |
| 1.2. | Dismantling of hats from marble slabs of cladding wall with a width of 50 cm | m2 |  | 1,79 |  | |
| 1.3. | Removing a piece of earth from the flower garden | m3 |  | 12,78 |  | |
| 1.4. | Dismantling of the waterproofing system to the level of the supporting steel-concrete structure on the inner side of the flowerbed | m2 |  | 1,79 |  | |
| 1.5. | Dismantling reinforced concrete support wall height 1.10m and thickness 20cm, including cutting the reinforcement | m |  | 63,00 |  | |
| 1.6. | Dismantling of adjoining floorings - stamped concrete, including sub-base layers | m2 |  | 21,88 |  | |
| 1.7. | Dismantling metal railing mounted on the city fountain board | pcs. |  | 28,80 |  | |
| 1.8. | Dismantling defective plasterboard boxes around projector lights on the city fountain board | pcs. |  | 2,74 |  | |
| 2. | **Dismantling work on the Clock tower** | | | | | | |
| 2.1. | Dismantling wooden flooring at elevation +0.00 | m2 |  | 1,65 |  | |
| 2.2. | Dismantling of damaged and dangerous stepping planks | pcs. |  | 2,56 |  | |
| 2.2. | Dismantling of metal cladding - steps of checher plate at the entrance threshold clock tower | pcs. |  | 7,67 |  | |
| 2.3. | Dismantling of a metal structure, remaining from the stork nest, with alpinists | pcs. |  | 51,13 |  | |
| **II.** | **CLEANING BEFORE REPAIR AND PREPARATION FOR CONSTRUCTION WORKS** | | | | | | |
| **1.** | **Preparatory work outside the Clock tower** | | | | | | |
| 1.1. | Sorting of terrain elements by types | parts |  | 23,72 |  | |
| 1.2. | Cleaning selected items | parts |  | 23,72 |  | |
| 1.3. | Transport up to 10km and stacking in a warehouses pepared in advance | km |  | 5,01 |  | |
| 1.4. | Manual loading, transport up to 1 km and machine landing of land | m3 |  | 8,01 |  | |
| 1.5. | Cleaning the foreheads of the reinforced concrete structure - flowerbed by hammering the broken forehead | m2 |  | 1,79 |  | |
| 1.6. | Ropping of cement coating on an existing bulkhead - flowerbed at height H.1.10, cleaning, leveling of the surface | m2 |  | 2,73 |  | |
| 1.7. | Delivery and application of deeply-penetrating primer on the outside of the flowerbed for bonding of coating | m2 |  | 1,18 |  | |
| 1.8. | Delivery and application of bitumen primer for waterproofing on the inside of the flowerbed walls. | m2 |  | 1,87 |  | |
| 1.9. | Cleaning the pool wall from the clock tower | m2 |  | 5,11 |  | |
| 1.10. | Cleaning the inspection shaft in the pool | pcs. |  | 25,57 |  | |
| 1.11. | Loading and transport of construction waste up to 10km, mechanized and with all taxes included | m3 |  | 7,67 |  | |
| **2.** | **Preparatory work in a clock tower** |  |  |  |  | |
| 2.1. | Removing pads and nails from wooden beams, used for exhibitions, to hang old electrical installations | pcs. |  | 0,51 |  | |
| 2.2. | Removal of the 19th-year radio station from the 50s from elevation +14.65 /platform of the clock mechanism/ at vertical distance H <15m, horizontal up to 50m | pcs. |  | 102,26 |  | |
| 2.3. | Removal of cabinets from elevation +14.65 /clock mechanism platform / vertical distance H <15m, horizontal up to 50m | pcs. |  | 10,23 |  | |
| 2.4. | Scraping with a regular scraper of overlaid dirt from dried mud and / or resinous formations on floor planks and beams- stairs of the ladder, performing scraping from top to bottom. | m2 |  | 4,25 |  | |
| 2.5. | Vacuum cleaning with industrial vacuum cleaner and drying of all wooden elements inside the clock tower / skylights, columns, beams, floor coverings and cladding, staircase with railing, etc. / for impregnation and priming. Cleaning is mandatory perfomed from top to bottom. | m2 |  | 0,61 |  | |
| **III.** | **CONSTRUCTION AND ASSEMBLY WORK** | | | | | | |
| 1. | **Construction and assembly work in a clock tower** | | | | | | |
| 1.1. | Restoration of damaged planks from the ladder | pcs. |  | 16,63 |  | |
| 1.2. | Adaptation and tightening of wooden planks to the ladder-carrying sides | pcs. |  | 12,78 |  | |
| 1.3. | Installation of a new flooring according to the installation scheme by the architect - oak flooring made of 5 cm thick plans, two-sided, 3-layers, treated with a detergent for long-lasting protection (at least 10 years) from fires, insects and atmospheric influences. | m2 |  | 17,36 |  | |
| 1.4. | Impregnation with a permanent protection product (at least 10 years) for fire safety, insect protection and protection against weather conditions, 3 layers on all visible surfaces of the wooden elements / columns, beams, flooring and lining flooring, staircase with parapet etc. operated under different weather conditions / For the product a Document of Compliance by the General Fire Safety and Rescue Directorate should be issued and a Permit for sale on the territory of the Republic of Bulgaria by the Ministry of Health. | m2 |  | 3,71 |  | |
| 1.5. | Delivery and installation of vertical lift platform "Liftboy" for people with disabilities - 750x900 mm / maximum load capacity 180 kg, lifting height 595 mm, minimum lift height 100 mm /, manual and automated control, platform flooring - oak planking from flooring material | pcs. |  | 5 454,03 |  | |
| 1.6. | Supply, installation of a mobile module with electric drive with steps for access to the tower | pcs. |  | 1 256,05 |  | |
| 1.7. | Complex delivery, installation and testing of the rope security system, carabiners locks (no teeth), etc. to secure climbing visitors on the wooden ladder in the tower. | set |  | 3 983,02 |  | |
| 1.8. | Complex delivery, assembling and installation of a periscopic system at elevation from 14.65 to 21.50 /camera, display, integrated network module, polymer powder coating pipe system, constant-temperature system/, including testing | set |  | 3 171,65 |  | |
| 1.9. | Complex delivery, assembling and testing of monitor / display system - 43 "multi touch, integrated computer for equipments, integrated network module, impact resistant coating, housing - metallic powder coated, constant-temperature with built-in air conditioning system. From - 10 to + 45, IP 65 / | set |  | 1 491,97 |  | |
| 2. | **Construction work outside the tower** | | | | | | |
| 2.1. | Supply and installation of marble slabs for the bulkhead cladding of flowerbed according to the mounting plan by gluing on a primed reinforced concrete surface | m2 |  | 33,40 |  | |
| 2.2. | Delivery and installation of marble slabs for hats and flooring according to the mounting plan by gluing on the primed reinforced concrete surface - cover ET to flowerbed | m2 |  | 30,80 |  | |
| 2.3. | Making a 5/5 cm fillet of cement sand mix | m |  | 3,00 |  | |
| 2.4. | Filling with a hydraulic fast-setting putty of the cracks in the reinforced concrete slab inside the flowerbed | m2 |  | 16,69 |  | |
| 2.5. | Delivery and laying of waterproofing on the inside of the flowerbed walls with 2 layers of membrane | m2 |  | 16,05 |  | |
| 2.6. | Fillinf up with the ground of the flowerbed | m3 |  | 15,84 |  | |
| 2.7. | Delivery and installation of a metal double-wing security door with lock, gray powder coated in RAL color for the main switchboard | pcs. |  | 127,82 |  | |
| 2.7. | Supply and installation of a bridge / metal bearing structure and Siberian larch type decking, including all metal and wood treatments according to norms / - finished product | pcs. |  | 1 813,52 |  | |
| **PART CONSTRUCTIVE** | | | | | | | |
| **I.** | **SUPPORTING WALL FLOWERBED** | | | | | | |
| 1 | Excavation | m3 |  | 12,75 |  | |
| 2 | Concrete for pading B7.5 | m3 |  | 49,31 |  | |
| 3 | Concrete B15 | m3 |  | 54,66 |  | |
| 4 | Formwork | m2 |  | 12,05 |  | |
| 5 | Reinforcement N8 | kg |  | 0,84 |  | |
| 6 | Reinforcement N10 | kg |  | 0,84 |  | |
| 7 | Reinforcement N10 for connection old-new construction | kg |  | 0,84 |  | |
| 8 | HILTI HIT RE500 anchorage of reinforcement or equivalent for 32 holes with a depth of 10 cm | pcs. |  | 16,43 |  | |
| 9 | Concrete contact for 0,8 m2 | m2 |  | 1,19 |  | |
| **PART ELECTRICAL** | | | | | | | |
| **I.** | **CONSTRUCTION AND DISMANTLING WORKS** | | | | | | |
| 1. | Dismantling existing projectors - alpinists | pcs. |  | 2,56 |  | |
| 2. | Dismantling existing cables | m |  | 0,33 |  | |
| 3. | Dismantling of existing two-way luminaries in the tower | pcs. |  | 0,51 |  | |
| 4. | Dismantling of existing luminaries | pcs. |  | 0,51 |  | |
| 5. | Dismantling existing junction boxes | pcs. |  | 0,66 |  | |
| 6. | Dismantling an existing main dashboard with retention of new assembly items | pcs. |  | 332,34 |  | |
| 7. | Dismantling an existing city fountain board with retention items for new installation | pcs. |  | 178,95 |  | |
| 8. | Dismantling existing pipes | m |  | 0,51 |  | |
| 9. | Dismantling existing lights in the pavement on a board city fountain | pcs. |  | 2,56 |  | |
| 10. | Dismantling existing keys | pcs. |  | 0,51 |  | |
| 11. | Dismantling existing contacts | pcs. |  | 0,51 |  | |
| 12. | Dismantling of existing lightning rope-alpinist | m |  | 1,53 |  | |
| 13. | Dismantling an existing control clutch - to be kept | pcs. |  | 5,44 |  | |
| **II.** | **CONSTRUCTION WORK** | | | | | | |
| **1.** | **External boards and cables** | | | | | | |
| 1.1 | Supply and installation of main switchboard, using existing elements of another board, for external mounting, IP65 | pcs. |  | 920,33 |  | |
| 1.2 | Assembling, mounting, and connecting prefabricated fountain elements from an existing dashboard | pcs. |  | 4,60 |  | |
| 1.3 | Conversion and connection of an existing main switchboard power cable to a new external switchboard | pcs. |  | 4,35 |  | |
| 1.4 | Delivery and piling of 3 earthing rods | set |  | 25,10 |  | |
| 1.5 | Check earthing | pcs. |  | 17,90 |  | |
| 1.6 | Excavating by hand on existing cables and communications to remove the cables | m |  | 2,81 |  | |
| 1.7 | Delivery and laying of a cable CBT 5х10mm2 for a Board TTower | m |  | 6,14 |  | |
| 1.8 | Connect a cable with a device up to 10mm2 | pcs. |  | 2,30 |  | |
| 1.9 | Conversion and connecting existing power cables to fountains | pcs. |  | 4,35 |  | |
| 1.10 | Making an electric shaft | pcs. |  | 61,36 |  | |
| 1.11 | Supply and laying of corrugated hoses with steel strip | m |  | 1,28 |  | |
| 1.12 | Pulling out existing cables in laid corrugated hoses with steel strip | m |  | 0,51 |  | |
| 1.13 | Testing of high voltage cables | pcs. |  | 7,69 |  | |
| **2.** | **Internal electrical installations and outdoor art lighting for the tower** | | | | | | |
| 2.1 | Delivery and installation of a stone wall switchboard Ttower for internal mounting for IP44 | pcs. |  | 562,43 |  | |
| 2.2 | Supply, mounting with power supply rail / groove for spot lighting system, IP43 | m |  | 10,23 |  | |
| 2.3 | Delivery and installation of LED light 3W, spot type, for rim, IP43 | pcs. |  | 17,90 |  | |
| 2.4 | Supply and installation of LED pendant 3W, type pendel, glass amber color, IP43 | pcs. |  | 38,35 |  | |
| 2.5 | Supply and connection of flexible conductor H05RR-F / H07RN-F / 3х1,5mm2 | m |  | 0,97 |  | |
| 2.6 | Delivery and installation of LED light 7W, pendulum type with black hat / reflector / directed down, IP43 | pcs. |  | 17,38 |  | |
| 2.7 | Supply and installation of working lamp LED 7W, under the clock mechanism, IP43 | pcs. |  | 5,11 |  | |
| 2.8 | Deliverz of minimum size projector with LED lighting 30W, IP65 | pcs. |  | 107,37 |  | |
| 2.9 | Delivery of minimum size projector with LED lighting 20W, IP65 | pcs. |  | 94,59 |  | |
| 2.10 | Delivery of minimum size projector with LED lighting 15W, IP65 | pcs. |  | 76,69 |  | |
| 2.11 | Lighting for the tower top with two-piece luminaire, clips type, directed down with LED 11W, IP65 - custom-made | pcs. |  | 230,08 |  | |
| 2.12 | Mounting of projectors under the bell | pcs. |  | 6,31 |  | |
| 2.13 | Mounting of projectors by alpinists | pcs. |  | 9,39 |  | |
| 2.14 | Mounting a pad, disassembled projectors and a protective box on a city fountain board | pcs. |  | 6,77 |  | |
| 2.14 | Light outlet up to 10m for outdoor installation, cable CBT 3x1,5mm2, drawn in 16mm corrugated hose with black steel strap, fastened with water resistant box mounting clamps | pcs. |  | 9,37 |  | |
| 2.15 | Light outlet up to 10m for open installation, cable CBT 3x1,5mm2, drawn in 16mm corrugated hose with black steel band with alpinists, fastened with water resistant box mounting clamps | pcs. |  | 9,37 |  | |
| 2.16 | Delivery of key - single simple open, protected, 10A | pcs. |  | 2,12 |  | |
| 2.17 | Deliveryof key - serial open, protected, 10A | pcs. |  | 2,37 |  | |
| 2.18 | Delivery of key deviator open, protected, 10A | pcs. |  | 2,65 |  | |
| 2.19 | Installation of keys | pcs. |  | 1,33 |  | |
| 2.20 | Single-phase single-phase supply, type "Shuko", for open installation, IP44 | pcs. |  | 3,12 |  | |
| 2.21 | Installation of contacts | pcs. |  | 1,33 |  | |
| 2.22 | Contact outlet up to 10m for outdoor installation, cable CBT 3x2.5mm2, drawn in 16mm corrugated hose with black steel strap, | pcs. |  | 12,05 |  | |
| 2.23 | Supply and installation of insulating tiles for installation of electrical components | pcs. |  | 1,53 |  | |
| 2.24 | Supply and installation of junction boxes for open installation | pcs. |  | 2,25 |  | |
| 2.25 | Measuring transient resistance | pcs. |  | 15,31 |  | |
| **3.** | **Lightning protection installation** | | | | | | |
| 3.1 | Supply and installation of AlMgSi lightning rope with fasteners 0.5mm, soft F / 2 | m |  | 6,42 |  | |
| 3.2 | Installation of existing lightning conductor couplings | pcs. |  | 3,58 |  | |
| 3.3 | Delivery and installation of a galvanized rail 40 / 4mm | m |  | 2,81 |  | |
| 3.4 | Measuring transient resistance | pcs. |  | 15,44 |  | |
|  | **TOTAL IN BGN VAT EXCL.** | | | | |  | |
|  | **VAT 20%:** | | | | |  | |
|  | **TOTAL IN BGN VAT INCL.** | | | | |  | |