VOLUME 4.2

FINANCIAL OFFER TEMPLATES

**LUMP SUM CONTRACTS**

**Content**

**VOLUME 4.2.1 — 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**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Pipeline str. Kocho Racin - HDPE PE100 OD225 PN10** | | | | | | | | | |
| **No.** | **Description** | | | **Unit** | | **Firm quantities** | | **Unit price** | **Lump-sum price EUR** |
| **1. PREPARATORY WORKS** | | | | | | | | | |
| 1.1 | Pipeline survey | | | m | | 431.43 | |  |  |
| **2. EARTH WORKS** | | | | | | | | | |
| 2.1 | Combined earth excavation (machine and manual) for pipeline trench with a width of 0.8 m and a depth of up to 1.2 m in III and IV category of soil. Support for an average pressure should be uesed of depths greater than 0.9 m. | | |  | | 385.83 | |  |  |
| Machine exacvation 90% | | | m3 | | 347.25 | |  |  |
| Manual exacvation 10%: | | | m3 | | 38.58 | |  |  |
| 2.3 | Planning the bottom of the trench with an accuracy of ± 2 cm. | | | m2 | | 345.14 | |  |  |
| 2.4 | Supply, transport and installation with compaction of layer of sand with tickness of 10cm. | | | m3 | | 34.51 | |  |  |
| 2.5 | Supply, transport and installation of sand around the pipe and 30 cm above it, with compaction in layers of 30 cm with material with a maximum grain size of 31.5 mm with manual compaction up to 95%, according to the standard Proctor test. | | | m3 | | 164.06 | |  |  |
| 2.6 | Backfilling the trench with earth selected from the excavation. The backfill should be in layers of 30 cm with manual and machine compaction. Where there is no asphalt | | | m3 | | 170.11 | |  |  |
| 2.7 | Backfilling the trench with earth selected from the excavation. The backfill should be in layers of 30 cm with manual and machine compaction on the parts where there is an asphalt road d = 20cm. | | | m3 | | 59.40 | |  |  |
| 2.8 | Removing of the remaing material from the excavation at a distance of maximum 10 km, with uploading and spreading it at the place of unloading. | | | m3 | | 215.72 | |  |  |
| **3. ASPHALT WORKS** | | | | | | | | | |
| 3.1 | Mechanical cutting of the asphalt road construction with d = 7-15cm in parts where the route of the pipeline passes under the asphalt road. Ст. 0+000.00 - 0+330.00 m | m | 660.00 | |  | |  | | |
| 3.2 | Extraction of the asphalt surface from the road construction by loading and transporting the material to the landfill. | m2 | 264.00 | |  | |  | | |
| 3.3 | Supply, transport and installation of asphalt BNHS16 with d = 7 cm, for returning to the original position of the asphalt road. Ст. 0+000.00 - 0+330.00 m | m2 | 264.00 | |  | |  | | |
| **4. INSTALATION WORKS** | | | | | | | | | |
| 4.1 | Supply, transport and installation of HDPE PE100 pipes in accordance with technical specifications | | | |  | |  | | |
| 4.1.1 | HDPE OD225 PN10 | m | 340.00 | |  | |  | | |
| 4.1.2 | HDPE OD225 PN6 | m | 91.43 | |  | |  | | |
| 4.2 | Supply, transport and installation of HDPE PE100 PN10 bend in accordance with technical specifications |  |  | |  | |  | | |
| 4.2.2 | Q22° OD225 | psc | 2.00 | |  | |  | | |
| 4.2.3 | Q30° OD225 | psc | 3.00 | |  | |  | | |
| 4.2.4 | Q45° OD225 | psc | 2.00 | |  | |  | | |
| 4.2.5 | Q60° OD225 | psc | 1.00 | |  | |  | | |
| 4.2.6 | Q90° OD225 | psc | 1.00 | |  | |  | | |
| 4.3 | Supply, transport and installation of HDPE PE100 PN10 flange adaptor with loose steel flange |  |  | |  | |  | | |
| 4.3.1 | AF OD225/DN200 | psc | 1.00 | |  | |  | | |
| 4.4 | Deinstalation and reinstallation ductile hydromechanical equipment st..0+000.00 |  |  | |  | |  | | |
| 4.4.1 | T 200/150 | psc | 1.00 | |  | |  | | |
| 4.4.1 | OZ 150 | psc | 1.00 | |  | |  | | |
| 4.5 | Supply, transport and installation of hydromechanical equipment in accordance with technical specifications | | | |  | |  | | |
| 4.5.1 | T DN200/100 PN10 | psc | 1.00 | |  | |  | | |
| 4.5.2 | AF OD225/DN200, PN10 | psc | 1.00 | |  | |  | | |
| 4.5.3 | PZ DN100, PN10 | psc | 1.00 | |  | |  | | |
| 4.5.4 | Q90 DN100 PN10 | psc | 1.00 | |  | |  | | |
| 4.6 | Supply, transport and installation of fixed construction sets accordance with technical specifications st.0+000.00 |  |  | |  | |  | | |
| 4.6.1 | UG за OZ DN100 | psc | 1.00 | |  | |  | | |
| 4.7 | Supply, transport and installation of street valve cap st.0+000.00 |  |  | |  | |  | | |
| 4.7.1 | Street valve cap 15kg | psc | 1.00 | |  | |  | | |
| 4.8 | Flushing, hydraulic testing and disinfection of the pipeline with the hydromechanical equipment | m | 431.43 | |  | |  | | |
| **5. FACILITIES ON THE ROUTE OF THE PIPELINE** | | | | | | | | | |  |
| 5.1 | Complete construction of the air valve manholeaccording to a unit BoQ (6.) and detail of graphic attachments | Psc | 1.00 | |  | |  | | |
| **6. UNIT BoQ FOR AIR VALVE MANHOLE** | | | | | | | | | |
| **6.1 EARTH WORKS** | | | | | | | | | |
| 6.1.1 | Combined earth excavation in a wide excavation with a slope of 1: 3 for the manhole | m3 |  | |  | |  | | |
| Machine exacvation 80% | 10.61 | |  | |  | | |
| Manual exacvation 20% | 2.65 | |  | |  | | |
| 6.1.2 | Supply, transport and installation of gravel below the bottom of the manhole d=20cm. | m3 | 1.15 | |  | |  | | |
| 6.1.3 | Installation with compaction of earthen material for backfilling the construction pit. The backfill should be in layers of 30 cm with manual and machine compaction. | m3 | 6.85 | |  | |  | | |
| 6.1.4 | Removing of the remaing material from the excavation at a distance of maximum 10 km, with uploading and spreading it at the place of unloading. | m3 | 5.44 | |  | |  | | |
| **6.2. CONCRETE AND REINFORCEMENT WORKS** | | | | | | | | | |
| 6.2.1 | Supply, transport and installation of lean concrete MB20 with d=10cm. | m3 | 0.40 | |  | |  | | |
| 6.2.2 | Supply, transport and installation of concrete MB30 for: | m3 |  | |  | |  | | |
| Bottoм slab with d=20cm | 0.65 | |  | |  | | |
| Walls with d=20cm | 1.68 | |  | |  | | |
| Top slab with d=20cm | 0.59 | |  | |  | | |
| 6.2.3 | Supply, transport and installation of concrete MB20 for the support of the fittings. | m3 | 0.10 | |  | |  | | |
| 6.2.4 | Supply, transport, cutting and installation of reinforcement | kg |  | |  | |  | | |
| MA 500/600, Q335 (Ø8/15cm) | 146.00 | |
| RA 400/500 Ø12 | 14.60 | |
| RA 400/500 Ø8 | 7.30 | |
| Wasting 5% | 8.40 | |
| Total | 176.30 | |  | |  | | |
| **6.3. INSTALATION WORKS** | | | | | | | | | |
| 6.3.1 | Supply, transport and installation of cast iron cover D400 of medium type, with opening Ø600mm | psc | 1.00 | |  | |  | | |

Signature: .......................................................

*(a person or persons authorised to sign on behalf of the tenderer)*

Date: ....................