# Section VIII

# Bill of Quantities

*Procuring Entity:* ***City Government of Tabaco City***

*Contract ID No.* ***010-07-2020-INFRA***

*Name of the Project:* ***Construction/ Rehab / Improvement of Various Infrastructure Projects***

*Project Location:* ***Various Barangays, Tabaco City***

**BILL OF QUANTITIES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item No.** | **Description of Work to be Done** | **Qty** | **Unit** | **Unit Price****(Php)** | **Total Amount****(Php)** |
|  | **Rehab/Improvement of San Juan Roadway, Brgy. San Juan Tabaco City-Rehab of 81 L.M. Drainage Canal** |  |  |
|  | SPL - 1 | Concrete Cutting of Existing PCCP & Demolition of Obstruction | 121.50 | sq.m. |  |  |
|  | 103 | Excavation for Structures | 98.01 | cu.m |  |  |
|  | 404 | Reinforcing Steel | 2,944.36 | kgs |  |  |
|  | 405 | Structural Concrete | 41.31 | cu.m |  |  |
|  | SPL - 2 | Manhole w/ Cover and Inlet | 13.00 | unit |  |  |
|  | SPL - 3 | Removal & Disposal of Excavated Materials | 99.14 | cu.m |  |  |
|  | SPL - 4 | Bunkhouse (Rental Basis) | 1.00 | month |  |  |
|  | SPL - 5 | Occupational Safety & Health Program | 1.00 | month |  |  |
|  | SPL - 6 | Fab/Installation of Billboards | 1.00 | unit |  |  |
|  | ***Subtotal*** |  |
|  | **Widening of Divino - Sto. Cristo Road, Tramo Road, Divino - Sto. Cristo, Tabaco City** |  |  |
|  | I. | Portland Cement Concrete Pavement |  |  |  |  |
|  | a. | Removal of Structures & Obstructions | 24.57 | cu.m. |  |  |
|  | b. | Removal of Structures & Obstructions (0.15mm thk PCCP) | 579.03 | sqm |  |  |
|  | c. | Subgrade Preparation | 646.75 | sqm |  |  |
|  | d. | Aggregate Base Course | 111.56 | cu.m. |  |  |
|  | e. | Portland Cement Concrete Pavement | 97.01 | cu.m. |  |  |
|  | f. | Restoration Works | 312.00 | sqm |  |  |
|  | II. | Drainage System |  |  |  |  |
|  | a. | Excavation | 292.58 | cu.m. |  |  |
|  | b. | Embankment | 214.77 | cu.m. |  |  |
|  | c. | Structural Concrete | 20.06 | cu.m. |  |  |
|  | d. | Masonry Works ( Installation of RCPC) | 57.26 | sq.m. |  |  |
|  | III. | Box Culvert |  |  |  |  |
|  | a. | Excavation | 10.40 | cu.m. |  |  |
|  | b. | Removal of Structures & Obstructions ( Existing Box Culvert) | 10.00 | sq.m. |  |  |
|  | c. | Structural Concrete | 7.20 | cu.m. |  |  |
|  | IV. | Bunkhouse and Other Facilities | 3.00 | months |  |  |
|  | V. | Occupational Safety and Health Program | 3.00 | months |  |  |
|  | VI. | Fab/Installation of Billboards | 1.00 | unit |  |  |
|  | ***Subtotal*** |  |
|  | **Rehab/Improvement of San Antonio-Oson-Magapo Roadways, Brgy. Oson, Tabaco City** |  |  |
|  |  | Box Culvert Canal |  |  |  |  |
|  |  | Structural Excavation | 46.50 | cu.m. |  |  |
|  |  | Backfilling/Filling Materials | 96.00 | cu.m. |  |  |
|  |  | Reinforcing Steel Bars | 2,001.46 | kgs |  |  |
|  |  | Structural Concrete | 18.75 | cu.m. |  |  |
|  |  | Forms & Scaffoldings | 42.00 | sq.m. |  |  |
|  |  | Rubble Concrete Foundation | 2.40 | cu.m. |  |  |
|  |  | Grouted Riprap | 3.60 | cu.m. |  |  |
|  |  | Guard Rail | 10.00 | L.m |  |  |
|  |  | Roadway Concreting |  |  |  |  |
|  |  | Clearing & Grubbing | 1,380.00 | sq.m. |  |  |
|  |  | Levelling Course | 227.70 | cu.m. |  |  |
|  |  | Sub-Grade Preparation | 1,380.00 | sq.m. |  |  |
|  |  | Portland Cement Concrete Pavement (t=0.15m) | 1,380.00 | sq.m. |  |  |
|  |  | Other Requirements |  |  |  |  |
|  |  | Bunkhouse | 3.00 | months |  |  |
|  |  | Occupational Safety & Health Program | 3.00 | months |  |  |
|  |  | Fab/Installation of Billboards | 1.00 | unit |  |  |
|  | ***Subtotal*** |  |
|  | **Construction of Pinagbobong-San Vicente, Farm to Market Road (FMR), Brgy. San Vicente & Pinagbobong, Tabaco City** |  |  |
|  | **A.** | **Box Culvert** |  |  |  |  |
|  |  | Demolition & Removal of Obstruction | 516.00 | sq.m. |  |  |
|  |  | Structural Excavation | 138.00 | cu.m. |  |  |
|  |  | Backfilling/Filling Materials | 202.00 | cu.m. |  |  |
|  |  | Reinforcing Steel Bars | 19,421.15 | kgs |  |  |
|  |  | Structural Concrete | 87.90 | cu.m. |  |  |
|  |  | Forms & Scaffoldings | 134.40 | sq.m. |  |  |
|  |  | Removal & Disposal of Excavated/ Unsuitable Materials | 146.40 | cu.m. |  |  |
|  | **B.** | **Slope Protection & RCPC** |  |  |  |  |
|  |  | Structural Excavation | 88.00 | cu.m |  |  |
|  |  | RCPC (0.90mØ) | 40.00 | L.m |  |  |
|  |  | Rubble Concrete Foundation | 14.40 | cu.m |  |  |
|  |  | Grouted Riprap |  45.00 | cu.m |  |  |
|  |  | Guard Rail | 100.00 | L.m |  |  |
|  |  | Line Canal w/ Cover | 50.00 | L.m |  |  |
|  | **C.** | **PCCP** |  |  |  |  |
|  |  | Clearing & Grubbing | 3,080.00 | sq.m |  |  |
|  |  | Surplus Common Excavation | 760.00 | cu.m |  |  |
|  |  | Sub-Grade Preparation | 3,080.00 | sq.m |  |  |
|  |  | Aggregate Base Coarse |  381.15 | cu.m |  |  |
|  |  | PCCP |  2,310.00 | sq.m |  |  |
|  | **D.** | **Other General Requirements** |  |  |  |  |
|  |  | Bunkhouse |  6.00 | months |  |  |
|  |  | Occupational Safety & Health Program |  6.00 | months |  |  |
|  |  | Fab/Installation of Billboard | 1.00 | unit |  |  |
|  | ***Subtotal*** |  |
|  | **Rehab/Impr. of Pawa-Bangkilingan Roadways, Brgy. Pawa, Tabaco City-Rehab./Impr of 263 L.M. Reinforced Concrete Box Culvert Canal** |  |  |
|  | SPL - 1 | Demolition of Concrete Structures & Obstruction | 289.30 | sq.m. |  |  |
|  | 103 | Excavation for Structures | 318.23 | cu.m |  |  |
|  | 404 | Reinforcing Steel | 9,695.35 | kgs |  |  |
|  | 405 | Structural Concrete | 144.12 | cu.m |  |  |
|  | SPL - 2 | Manhole w/ Cover | 44.00 | unit |  |  |
|  | SPL - 3 | Removal & Disposal of Excavated Mat'ls | 312.44 | cu.m |  |  |
|  | SPL - 4 | Bunkhouse (Rental Basis) | 3.00 | months |  |  |
|  | SPL - 5 | Occupational Safety & Health Program | 3.00 | months |  |  |
|  | SPL - 6 | Fab/Installation of Billboards | 1.00 | unit |  |  |
|  | ***Subtotal*** |  |
|  | **Rehab./Impr. of Quinastillojan River Control, Brgy. Quinastillojan, Tabaco City-Rehabilitation of 70.0 LM River Control** |  |  |
|  | SPL-1 | Clearing & Demolition Works |  105.00  | sq.m. |  |  |
|  | 103 | Excavation for Structures |  79.10 | cu.m. |  |  |
|  | 404 | Reinforcing Steel Bars |  3,519.68 | kgs |  |  |
|  | 405 | Structural Concrete | 77.18 | cu.m |  |  |
|  | 516 | Handlaid Rock Embankment | 262.50 | cu.m |  |  |
|  | 504 | Grouted Riprap |  69.30 | cu.m |  |  |
|  | SPL-2 | Bunkhouse (Rental Basis) | 3.00 | months |  |  |
|  | SPL-3 | Occupational Safety & Health Program | 3.00 | months |  |  |
|  | SPL-4 | Fab/Installation of Billboards |  1.00 | unit |  |  |
|  | ***Subtotal*** |  |
|  | **Rehab./Impr. of Panal River Control, Brgy. Panal, Tabaco City-Rehabilitation of 51 LM River Control with 7m x 1m Concrete Footbridge** |  |  |
|  | **A. River Control** |  |  |  |  |
|  | SPL-1 | Clearing & Demolition Works |  66.30 | sq.m |  |  |
|  | 103 | Excavation for Structures | 39.78 | cu.m |  |  |
|  | 404 | Reinforcing Steel Bars | 3,014.44 | kgs |  |  |
|  | 405 | Structural Concrete | 49.73 | cu.m |  |  |
|  | 516 | Handlaid Rock Embankment |  38.25 | cu.m |  |  |
|  | **B. Concrete Footbridge** |  |  |  |  |
|  | SPL-1 | Clearing & Demolition Works |  7.00 | sq.m |  |  |
|  | 103 | Excavation for Structures | 8.10 | cu.m |  |  |
|  | 404 | Reinforcing Steel Bars | 528.17 | kgs |  |  |
|  | 405 | Structural Concrete | 3.24 | cu.m |  |  |
|  | 903 | Formworks | 22.88 | sq.m |  |  |
|  | 401 | Railings | 14.00 | l.m. |  |  |
|  | SPL-2 | Bunkhouse (Rental Basis) | 2.00 | months |  |  |
|  | SPL-3 | Occupational Safety & Health Program |  2.00 | months |  |  |
|  | SPL-4 | Fab/Installation of Billboards | 1.00 | unit |  |  |
|  | ***Subtotal*** |  |
|  | **Rehabilitation/Improvement of Streetlights at Various Barangays, Tabaco City-Installation of 25 units streetlights** |  |  |
|  | **A. Along Ziga Ave. (Salvacion-Tagas)** |  |  |  |  |
|  | 1 | Concrete Cutting/Chipping Works | 262.06 | sq.m. |  |  |
|  | 2 | Excavation Works |  52.88 | cu.m. |  |  |
|  | 3 | Backfilling Works | 6.62 | cu.m. |  |  |
|  | 4 | Steel Works | 908.32 | kgs |  |  |
|  | 5 | Concrete Works | 9.75 | cu.m. |  |  |
|  | 6 | Electrical Works |  1.00 | lot |  |  |
|  | 7 | Restoration Works | 35.73 | cu.m |  |  |
|  | 8 | Removal & Disposal of Unsuitable Materials |  46.26 | cu.m |  |  |
|  | 9 | Bill Deposit/Testing and Mounting Fee | 1.00 | lot |  |  |
|  | **B. Along Ligao-Tabaco Rd. 1 (Quinastillojan)** |  |  |  |  |
|  | 1 | Concrete Cutting/Chipping Works | 132.43 | sq.m. |  |  |
|  | 2 | Excavation Works | 25.30 | cu.m |  |  |
|  | 3 | Backfilling Works | 2.88 | cu.m. |  |  |
|  | 4 | Steel Works | 394.92 | kgs |  |  |
|  | 5 | Concrete Works | 4.24 | cu.m. |  |  |
|  | 6 | Electrical Works | 1.00 | lot |  |  |
|  | 7 | Restoration Works | 17.53 | cu.m |  |  |
|  | 8 | Removal & Disposal of Unsuitable Materials | 22.42 | cu.m |  |  |
|  | **C. Along Ligao-Tabaco Rd. 2 (Matagbac-Bangkilingan)** |  |  |  |  |
|  | 1 | Concrete Cutting/Chipping Works | 463.13 | sq.m. |  |  |
|  | 2 | Excavation Works | 94.64 | cu.m. |  |  |
|  | 3 | Backfilling Works | 12.10 | cu.m. |  |  |
|  | 4 | Steel Works | 1,658.66 | kgs |  |  |
|  | 5 | Concrete Works | 17.81 | cu.m |  |  |
|  | 6 | Electrical Works | 1.00 | lot |  |  |
|  | 7 | Restoration Works | 61.98 | cu.m |  |  |
|  | 8 | Removal & Disposal of Unsuitable Materials | 82.55 | cu.m. |  |  |
|  | 9 | Bill Deposit/Testing and Mounting Fee | 1.00 | lot |  |  |
|  | **D. Other General Requirements** |  |  |  |  |
|  | 1 | Bunkhouse (Rental Basis) | 4.00 | month |  |  |
|  | 2 | Health & Safety Program | 4.00 | month |  |  |
|  | 3 | Fab/Installation of Billboards | 1.00 | unit |  |  |
|  | ***Subtotal*** |  |
|  | ***TOTAL*** |  |

 Name of the Company/Bidder Signature over Printed Name Date

 of Authorized Representative