

## Bill of Quantities

| Item No | Description of Items of Works<br>(Specifications preferably built-in)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unit | Qty    | Unit rates or prices quoted by the Quotationer |                                                         | Amount    |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------------------------------------------------|---------------------------------------------------------|-----------|
|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |        | In figures                                     | In words                                                |           |
| 1       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3    | 4      | 5                                              | 6                                                       | 7=4*5     |
| 1       | Earth work in excavation for removal of soft soil (on written permission of E/C) from the trench bottom beyond allowable depth and back fill of this by supplying, depositing and compaction in 150 mm layer of fine sand (FM 0.8) at all required depth in accordance with the technical specification and direction of Engineering in charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Cum  | 227.50 | 288.00                                         | Two Hundred Eighty Eight Taka Point zero zero One       | 65520/28  |
| 2       | Laying & Lowering of Existing HDPE Water pipe line in accordance with the technical specification and the standard details drawing of any diameter and to the depth specified below, ) de-watering of the trench to keep the trench in a dry condition at all times the preparation of trench bottom, provision & laying of sand bedding & surrounding materials including boxing if required up to a depth of 1.5 M transport to site, Laying jointing and cleaning of the water pipe lines, back filling of the trench with selected excavated earth to the temporary road reinstatement, removal and disposal of surplus excavated materials and transporting back the surplus materials to Dhaka (cost of excess excavated earth shall be deducted from the contractors bill as per rate mentioned in the departmental materials schedule).<br>a) 160 mm dia HDPE Pipe (PN-10) | P/m  | 125.00 | 565.00                                         | Five hundred sixty five Point zero zero One only.       | 70625.125 |
| 3       | Back-filling with sand (FM-0.8) for supply and placing of saturated river sand back filling at all required depth in accordance with the technical specification and the standard detail drawing for all water pipe line diameters.<br>a) Bedding and surrounding by Sand (FM-0.8)<br>b) Back-filling by Sand (FM-0.8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | cum  | 74.30  | 1166.80                                        | One thousand one hundred sixty six Point eight zero One | 86693.34  |
| 4       | The excavation of trial holes (1.2 m x 0.6 m x 1.5m) in accordance with the technical specification. and Standard detail drawings and direction of Engineer in charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | cum  | 11.52  | 160.00                                         | One hundred sixty Point zero zero One only.             | 1843.212  |
| 5       | Interconnection of water pipelines to any existing water supply networks, the rate includes for excavation, cutting, necessary plugging, de-watering, cleaning and unplugging, protection and repair of any existing structures. All works shall be done in accordance with Technical Specification and direction of Engineering in charge and Standard detail Drawings for the diameter of the existing water pipelines given below. 160mm and 110 mm dia.                                                                                                                                                                                                                                                                                                                                                                                                                        | nos  | 5.00   | 3011.00                                        | Three thousand forty one Point zero zero One            | 15205.005 |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |      |          |                                                             |           |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|----------|-------------------------------------------------------------|-----------|
| 6  | Supplying materials and making of service connection (existing legal, legalized & new) to improved systems for all depths, diameters, length up to meter box at consumers premises. The rate includes cost for excavation, all necessary HDPE service connection pipe, HDPE fittings (saddle clamp, ferrule, straight coupling, valves etc.), appropriate drilling system for making holes in pipes, backfilling with sand (FM 0.8), precautions necessary to avoid damage of underground utility services, (if any damage occurs, Contractor shall repair it by his own cost), plugging, de-watering, cleaning, unplugging, installing of service meter (The required meters will be supplied by DWASA) and providing water to consumer for disturbing period, pressure test of each connection in 4 bar pressure for 2 hrs. The contractor will keep record of service connections. All works shall be done as per specifications and the standard detail drawing and direction of the Engineer. (Service Connection fittings will be supplied by DWASA).<br>25mm to 37mm | nos   | 15   | 2021-001 | Two thousand twenty one point zero zero one Only.           | 30315.015 |
| 7  | Placing of Mass concrete 1:3:6 for the anchor blocks at all bends, tees end caps and reducers, including the supply of all materials in accordance with technical specification and direction of Engineering in charge and standard drawings. The rate to include for necessary additional excavation; supply of all materials and for the wrapping of all PVC fittings encased in concrete with two layers of heavy-duty polythene sheeting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | cum   | 2.11 | 7832741  | Seven thousand eight hundred thirty two point seven six one | 16527.126 |
| 8  | Hire charge of de-watering Pump:<br>Bailing out of all water from pipe line trench with supply of de-watering pump required size including supplying of fuel lubricants and all other required accessories & manpower to keep the trench in a dry condition at all times etc. all completed as per direction of the E/C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | P/day | 5    | 1862001  | One thousand eight hundred sixty two point zero zero one    | 9310.005  |
| 9  | Reconstruction & repairing of service manhole (Sewer/ storm sewer pit)<br>Reconstruction and repairing of other utilities services<br>(Telephone/Gas/Electricity/Sewer/surface & underground drains/storms sewer pit or any other system in the pipe alignment), includes all necessary materials, cables, replacement, reinstallation, repairing of broken service manhole, sewer pit including supply of all types of cables, pipes, fittings, course & fine aggregates, bricks, cement and any other works in accordance with Technical Specification and direction of Engineering in charge, each unit includes total safety, repair, replacement of other utilities for each 100 meter pipelines alignment, all mentioned cost will be paid by Contractor.                                                                                                                                                                                                                                                                                                             | each  | 7    | 1500.001 | One thousand eight five hundred point zero zero one         | 10500.007 |
| 10 | Extra-over item 1 for installing of HDPE (PN16, PE 100, SDR 11) fittings & Pipe in accordance with the technical specification and the standard detailed drawings, of any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |      |          |                                                             |           |

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                              |       |       |          |                                                                            |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------|----------------------------------------------------------------------------|-------------|
|                                                                                                                                                                                                                                                                                | diameter specified below. The rate includes for transportation of fittings to site, cleaning, jointing and laying of the fittings as per specifications and direction of Engineering in charge. (HDPE fittings will be supplied by Dhaka WASA).                                                                                                                                              |       |       |          |                                                                            |             |
|                                                                                                                                                                                                                                                                                | 110 mm dia HDPE Sleeve                                                                                                                                                                                                                                                                                                                                                                       | nos   | 2.00  | 970.00   | Ninety Seven hundred                                                       | 1940.002    |
|                                                                                                                                                                                                                                                                                | 160 mm dia HDPE Sleeve                                                                                                                                                                                                                                                                                                                                                                       | nos   | 2.00  | 2117.00  | Two thousand one hundred Seventy                                           | 4234.002    |
|                                                                                                                                                                                                                                                                                | 315 mm dia HDPE Sleeve                                                                                                                                                                                                                                                                                                                                                                       | nos   | 2.00  | 6464.00  | Six thousand four hundred Sixty four                                       | 12928.008   |
|                                                                                                                                                                                                                                                                                | 110 mm dia HDPE 45degr. Bend (EF) (PN-10)                                                                                                                                                                                                                                                                                                                                                    | nos   | 1.00  | 1600.00  | One thousand six hundred only                                              | 1600.001    |
|                                                                                                                                                                                                                                                                                | 160 mm dia HDPE 45 degr. Bend (EF) (PN-10)                                                                                                                                                                                                                                                                                                                                                   | nos   | 1.00  | 4590.00  | Four thousand five hundred ninety                                          | 4590.001    |
|                                                                                                                                                                                                                                                                                | HDPE T connection 160x110x160 (EF)                                                                                                                                                                                                                                                                                                                                                           | nos   | 1.00  | 3751.00  | Three thousand seven hundred Fifty one                                     | 3751.001    |
|                                                                                                                                                                                                                                                                                | HDPE T connection 110x110x110 (EF)                                                                                                                                                                                                                                                                                                                                                           | nos   | 1.00  | 1917.00  | One thousand nine hundred Seventy                                          | 1917.001    |
|                                                                                                                                                                                                                                                                                | HDPE T connection 315x160x75(EF)                                                                                                                                                                                                                                                                                                                                                             | nos   | 1.00  | 2200.00  | Two thousand Two hundred                                                   | 2200.001    |
|                                                                                                                                                                                                                                                                                | HDPE Reducer 160x110(EF)                                                                                                                                                                                                                                                                                                                                                                     | nos   | 1.00  | 2117.00  | Two thousand one hundred Seventy                                           | 2117.001    |
|                                                                                                                                                                                                                                                                                | HDPE pipe 160 mm dia (PN-10)                                                                                                                                                                                                                                                                                                                                                                 | nos   | 12.00 | 1421.00  | One thousand four hundred Twenty one                                       | 1421.001    |
| 11                                                                                                                                                                                                                                                                             | Road Safety measures Emergency Light, flag, and tools as per direction of Engineer in Charge                                                                                                                                                                                                                                                                                                 | L/S   | 1.00  | 10000.00 | Ten thousand Point zero zero zero One                                      | 10000.001   |
| 12                                                                                                                                                                                                                                                                             | Operating cost for Electro-fusion & Butt-fusion machine                                                                                                                                                                                                                                                                                                                                      | p/no  | 3.00  | 4000.00  | Four thousand Point zero zero one                                          | 12000.001   |
| 13                                                                                                                                                                                                                                                                             | Making earth cross bund or island plugging to required height and width for keeping the working area dry workable with earth and empty bags arranges by the contractor and maintaining the same till the completion of works including supply of all materials labour and necessary equipment's and removal of the same accurately after completion of the work as per direction of the E/C. | P/day |       |          |                                                                            |             |
| <p>* Reference is drawn to Rule 69 (5) of the Public Procurement Rules, 2008 and to the Para 4 of the Guidance Notes before opting for this Format.</p> <p>One number corrections made by me/us have been duly initialed in this page of BoQ. My/Our Offer is valid until.</p> |                                                                                                                                                                                                                                                                                                                                                                                              |       |       |          | Total Amount (in figure and words)                                         | 4,91,643.00 |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                              |       |       |          | Four Lacs ninety one thousand six hundred forty three Point zero six only. |             |

Signature of the Quotationer with Seal

Date : / / 2025

Note (use only when this method deemed appropriate):

1. Low value and simple and all the components of the Works can be estimated but not accurately determined.
2. Works executed are re-measured for payments.