

☰

Bill Process cont >

BOQ Information >

Measurement Book >

Contract Information >

🔔 1

🔒 Password Change

👤 shakib23 ▾

Mohammad Shakib Rayhan Sub-Assistant Engineer MODS Zone-7

ঢাকা পানি সরবরাহ ও পয়ঃ নিষ্কাশন কর্তৃপক্ষ

নির্বাহী প্রকৌশলী কার্যালয়

মডস জোন-৭

FIRST AND FINAL

Measurement Book

কাজের ধরণ : Construction of 160 mm dia water line near by Baitul Nur jam e Mosjid, Jonotabag under MODS Zone-7, Dhaka WASA.

সরবরাহকারী প্রতিষ্ঠানের নাম : MOHAMMAD MOWLA

কার্যাদেশ নং : 46.05.0000.412.80.004.23-79 তারিখঃ 31/05/2023

চুক্তি নং : 46.05.0000.412.80.004.23/c-79/2022-2023 তারিখঃ 31/05/2023

বিবরণ,

#	Item	Unit	Qty	Rate (TK)	Bill Amount (TK)
1	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	4.8	5,628.001	27,014.405
2	Hiring charge for supply and installation of MS sheets (1800x900x18mm) over the trench / road surface for a smooth traffic movement during the execution of works in accordance with Technical Specification and direction of Engineering in charge.	Sqm	24	445.001	10,680.024
3	Hire charge of de-watering Pump :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/d	30	2,141.001	64,230.030
4	Shore protection work during excavation in foundation trenches up to 1.5 m depth, to protect loss due to damage of property by Palisading accepted by the Engineer-in-charge..[the rate is including cost of vertical post]	Sqm	72	609.001	43,848.072
5	Site cleaning work for the removal all unusable materials from the site with contractor own arrangement all complete as per direction of the E/C.	Each	1	18,000.001	18,000.001
6	Construction Sluice valve chamber on water pipe line chamber including Earth excavation, single layer Polythene, Reinforced Cement concrete (1:2:4) for the top slab, Brickwork (1:4) for the walls 125mm thickness, cement plaster (1:4) to the faces of chamber flush pointing finish, all in accordance with Technical Specification and direction of Engineering in charge, and standard Details.	Each	2	17,250.001	34,500.002
7	uPVC Pipe (PN -10) -110mm dia	m	173	64.001	11,072.173
8	uPVC Pipe (PN -10) -160mm dia	m	259	71.001	18,389.259
9	PVC bend 45° -160mm dia	Each	3	38.001	114.003
10	PVC bend 90° -110mm dia	Each	1	29.001	29.001

62.72.45.148:885/wasa/r/cddl_bill/f111/measurement-book-details?p489_meas_book_mst_id=172&p489_back_to=452&p489_wo_id=173&clear=489... 1/6

11	160X110X160mm Tee	Each	6	47.001	282.006
12	160X160X160mm Tee	Each	1	61.001	61.001
13	225X160X225mm Tee	Each	1	88.001	88.001
14	PVC End Cap 110mm (PN 10)	Each	6	556.001	3,336.006
15	Solvent Cement	Kg	6	109.001	654.006
16	100 mm dia Dresser Coupling in/c nut-bolts	Each	11	951.001	10,461.011
17	150 mm dia Dresser Coupling in/c nut-bolts	Each	8	1,411.001	11,288.008
18	150 mm dia Flange Adapter in/c nut-bolts	Each	4	77.001	308.004
19	gate valve -150mm dia	Each	2	1,066.001	2,132.002
20	Extra-over item 1 for the supply, depositing and compaction of fine sand (FM 0.8) bedding, surrounding and above pipes up to required depth with proper ramming of 150mm layer as per specifications and direction of Engineering in charge and standard detail drawings for all pipelines. Bedding and surrounding by River Saturated Sand (F.M 0.8).	Cum	149.45	578.001	86,382.249
21	A)Extra-over item 1 for the supply depositing and compaction of fine sand back filling (FM 0.8) at all required depth in accordance with the technical specification and direction of Engineering in charge, and standard detail drawings for all water pipe line diameters. .	Cum	77.76	578.001	44,945.358
22	B)Back filling by excavated granular soil including depositing and compaction at all required depth in accordance with the technical specification by excavated soil for kutchra road surface	Cum	155.52	154.001	23,950.236
23	Extra over item 1 for completing temporary reinstatement of rigid and flexible paved road by compacted sand (FM 1.2) of 75 mm thick and one layer brick soling by full burned 1st class bricks of appropriate size (excavated bricks of proper sizes and quality is allowed to use) of the existing surfaced road in accordance with the technical specification and direction of Engineering in charge, and standard detail drawing for all water pipeline of any diameters for the type of road Surface given below-Kacha road/BFS/HBB Rd.	Sqm	259.2	37.001	9,590.659
24	Extra-over item 1 for the excavation and 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	233.28	331.001	77,215.913
25	The excavation of trial holes and the completion of back fill with approved fill materials, all in accordance with the technical specification.	Cum	47.964	184.001	8,825.424
26	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.-150/160 mm dia PVC	Each	1	2,584.001	2,584.001
27	Shifting and connection of existing Service Lines to improved systems for all depths, diameters, length up to meter chambers at consumers premises. The rate to include all necessary uPVC BS E-class pipes/ PE Pipe ,	Each	32	1,398.001	44,736.032

	excavation, PVC clamp saddles or CI clamps, quality fittings, valves, appropriate drilling system for making holes in pipes, backfilling with sand (FM 0.8), plugging, dewatering, cleaning, unplugging, fitting fixing of float valve / check valve at the end of service line(in the reservoirs), shifting or change of service meter. The contractor will responsible for work up to the meter chamber and contractor will keep record of service line shifting works. The contractor will arrange to make the meter chamber with cost of consumer if there is no chamber or poor quality chamber. The rate includes all pipes, fittings, materials (domestic meter shall be provided by DWASA), installation arrangement, for necessary diversion and provide water to consumer for disturbing period, pressure test of each connection . After completion of work, contractor will submit the list of shifting work. All works shall be done in accordance with Technical Specification, direction of Engineering in charge and approved drawings.-DN 20 to DN 25mm dia				
28	Shifting and connection of existing Service Lines to improved systems for all depths, diameters, length up to meter chambers at consumers premises. The rate to include all necessary uPVC BS E-class pipes/ PE Pipe , excavation, PVC clamp saddles or CI clamps, quality fittings, valves, appropriate drilling system for making holes in pipes, backfilling with sand (FM 0.8), plugging, dewatering, cleaning, unplugging, fitting fixing of float valve / check valve at the end of service line(in the reservoirs), shifting or change of service meter. The contractor will responsible for work up to the meter chamber and contractor will keep record of service line shifting works. The contractor will arrange to make the meter chamber with cost of consumer if there is no chamber or poor quality chamber. The rate includes all pipes, fittings, materials (domestic meter shall be provided by DWASA), installation arrangement, for necessary diversion and provide water to consumer for disturbing period, pressure test of each connection . After completion of work, contractor will submit the list of shifting work. All works shall be done in accordance with Technical Specification, direction of Engineering in charge and approved drawings.-DN 32 to DN 50mm dia	Each	13	2,324.001	30,212.013
29	M.S Pipe Casing -DN 200 mm for 150 /160 mm dia	m	10	3,528.001	35,280.010
30	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	4.8	5,628.001	27,014.405
31	Hiring charge for supply and installation of MS sheets (1800x900x18mm) over the trench / road surface for a smooth traffic movement during the execution of works in accordance with Technical Specification and direction of Engineering in charge.	Sqm	24	445.001	10,680.024

32	Hire charge of de-watering Pump :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/d	30	2,141.001	64,230.030
33	Shore protection work during excavation in foundation trenches up to 1.5 m depth, to protect loss due to damage of property by Palisading accepted by the Engineer-in-charge..[the rate is including cost of vertical post]	Sqm	72	609.001	43,848.072
34	Site cleaning work for the removal all unusable materials from the site with contractor own arrangement all complete as per direction of the E/C.	Each	1	18,000.001	18,000.001
35	Construction Sluice valve chamber on water pipe line chamber including Earth excavation, single layer Polythene, Reinforced Cement concrete (1:2:4) for the top slab, Brickwork (1:4) for the walls 125mm thickness, cement plaster (1:4) to the faces of chamber flush pointing finish, all in accordance with Technical Specification and direction of Engineering in charge, and standard Details.	Each	2	17,250.001	34,500.002
36	uPVC Pipe (PN -10) -110mm dia	m	173	64.001	11,072.173
37	uPVC Pipe (PN -10) -160mm dia	m	259	71.001	18,389.259
38	PVC bend 45° -160mm dia	Each	3	38.001	114.003
39	PVC bend 90° -110mm dia	Each	1	29.001	29.001
40	160X110X160mm Tee	Each	6	47.001	282.006
41	160X160X160mm Tee	Each	1	61.001	61.001
42	225X160X225mm Tee	Each	1	88.001	88.001
43	PVC End Cap 110mm (PN 10)	Each	6	556.001	3,336.006
44	Solvent Cement	Kg	6	109.001	654.006
45	100 mm dia Dresser Coupling in/c nut-bolts	Each	11	951.001	10,461.011
46	150 mm dia Dresser Coupling in/c nut-bolts	Each	8	1,411.001	11,288.008
47	150 mm dia Flange Adapter in/c nut-bolts	Each	4	77.001	308.004
48	gate valve -150mm dia	Each	2	1,066.001	2,132.002
49	Extra-over item 1 for the supply, depositing and compaction of fine sand (FM 0.8) bedding, surrounding and above pipes up to required depth with proper ramming of 150mm layer as per specifications and direction of Engineering in charge and standard detail drawings for all pipelines. Bedding and surrounding by River Saturated Sand (F.M 0.8).	Cum	149.45	578.001	86,382.249
50	A)Extra-over item 1 for the supply depositing and compaction of fine sand back filling (FM 0.8) at all required depth in accordance with the technical specification and direction of Engineering in charge, and standard detail drawings for all water pipe line diameters. .	Cum	77.76	578.001	44,945.358
51	B)Back filling by excavated granular soil including depositing and compaction at all required depth in accordance with the technical specification by excavated soil for kutchra road surface	Cum	155.52	154.001	23,950.236
52	Extra over item 1 for completing temporary reinstatement of rigid and flexible paved road by compacted sand (FM 1.2) of 75 mm thick and one layer brick soling by full burned 1st class bricks of appropriate size (excavated bricks of proper sizes and quality is allowed to use) of the existing surfaced road in accordance with the technical specification and direction of Engineering in charge, and standard detail	Sqm	259.2	37.001	9,590.659

	drawing for all water pipeline of any diameters for the type of road Surface given below-Kacha road/BFS/HBB Rd.				
53	Extra-over item 1 for the excavation and 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	233.28	331.001	77,215.913
54	The excavation of trial holes and the completion of back fill with approved fill materials, all in accordance with the technical specification.	Cum	47.964	184.001	8,825.424
55	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.-150/160 mm dia PVC	Each	1	2,584.001	2,584.001
56	Shifting and connection of existing Service Lines to improved systems for all depths, diameters, length up to meter chambers at consumers premises. The rate to include all necessary uPVC BS E-class pipes/ PE Pipe , excavation, PVC clamp saddles or CI clamps, quality fittings, valves, appropriate drilling system for making holes in pipes, backfilling with sand (FM 0.8), plugging, de-watering, cleaning, unplugging, fitting fixing of float valve / check valve at the end of service line(in the reservoirs), shifting or change of service meter. The contractor will responsible for work up to the meter chamber and contractor will keep record of service line shifting works. The contractor will arrange to make the meter chamber with cost of consumer if there is no chamber or poor quality chamber. The rate includes all pipes, fittings, materials (domestic meter shall be provided by DWASA), installation arrangement, for necessary diversion and provide water to consumer for disturbing period, pressure test of each connection . After completion of work, contractor will submit the list of shifting work. All works shall be done in accordance with Technical Specification, direction of Engineering in charge and approved drawings.-DN 20 to DN 25mm dia	Each	32	1,398.001	44,736.032
57	Shifting and connection of existing Service Lines to improved systems for all depths, diameters, length up to meter chambers at consumers premises. The rate to include all necessary uPVC BS E-class pipes/ PE Pipe , excavation, PVC clamp saddles or CI clamps, quality fittings, valves, appropriate drilling system for making holes in pipes, backfilling with sand (FM 0.8), plugging, de-watering, cleaning, unplugging, fitting fixing of float valve / check valve at the end of service line(in the reservoirs), shifting or change of service meter. The contractor will responsible for work up to the meter chamber and contractor will keep record of service line shifting works. The contractor will arrange to make the meter chamber	Each	13	2,324.001	30,212.013

MEASUREMENT_BOOK_DETAILS

	with cost of consumer if there is no chamber or poor quality chamber. The rate includes all pipes, fittings, materials (domestic meter shall be provided by DWASA), installation arrangement, for necessary diversion and provide water to consumer for disturbing period, pressure test of each connection . After completion of work, contractor will submit the list of shifting work. All works shall be done in accordance with Technical Specification, direction of Engineering in charge and approved drawings.-DN 32 to DN 50mm dia				
58	M,S Pipe Casing -DN 200 mm for 150 /160 mm dia	m	10	3,528.001	35,280.010
Total :					6,20,208.910
Deduction 0% Less :					0.000
Grand Total :					6,20,208.910
Grand Total (Round) :					6,20,209.000

In Words: Six Lakhs Twenty Thousand Two Hundred Nine Taka Only.

This is to certify that the contractor has no demand in cash or kind against this work except this final bill. No excess payment is being made to the contractor on payment of this bill. No further payment will be made to the contractor. The work has been completed within the stipulated time and as per specifications.



17-08-2023 10:47:15
AM
Md. Lemon Mia
Executive Engineer
MODS Zone-7,
Dhaka Wasa

Bill calculation is not completed yet!

◀◀ Back

