

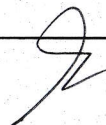
Office of the Executive Engineer

MODS Zone-6, Dhaka WASA
Fakirapool Water Tank Compound
Motijheel, Dhaka.

Name Of the Work : Repair, Maintenance of water line Leakage, Finding out and Operating Sluice vale under Road Carpeting at Naya Paltan, Old Paltan, Bhasani Goli, Paltan main road, DPDC Control room, kamlapur etc area under MODS Zone-6, Dhaka WASA.

Contractor materials & labour supply

Item No	Basis of Rate	Group	Description of the items	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
1	2	3	4	5	6	7	8 =(5*7)
1.00	Approved rate	Civil	Mobilization and cleaning site before commencing actual physical work and during contract period and demobilization after completion of the works under contract to be accepted by the Engineer-in-charge. This work shall also covers clayey cleaning and clearing, cutting or filling, dressing the project area on and in the ground to an extent that all the events of works of the project can be executed smoothly in a working environment with a particular attention on safety and security in all respects, and to stockpile the end outcome to a place for disposal agreed by the Engineer-in-charge, where, payments are to be based on ground area determined by the Engineer-in-charge and be proportionate to the percentage progress of work under contract as a whole in all respects and approved by the Engineer-in-charge	Sqm.	4.500	169.001	760.505



Item No	Basis of Rate	Group	Description of the items	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
2.00	Approved rate	Civil	Installation and laying of High Density Polyethylene (HDPE) water pipelines by Open Cut method in accordance with the technical specification and the standard detailed drawings, of any diameter specified below. The rate includes for excavation in all kinds of soil,BFS/HBB/Bituminous road/Cement Concrete/Reinforced Cement Concrete road surface except rock to the full depth of trench required by the specifications, precautions necessary to avoid damage of underground utility services, (if any damage occurs, Contractor shall repair by his own cost) including removing the excavated earth & stacking the same to safe distance without any traffic obstacles, de-watering of the trench to keep dry condition at all times, including all necessary shoring, boxing, must be protected from any collapse of trench sides, transportation of pipes to site, cleaning, jointing and laying of the water pipes; as per specifications and direction of Engineering in charge.110 mm dia HDPE Pipe	M	1.000	1,212.001	1,212.001

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Item No	Basis of Rate	Group	Description of the items	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
3.00	Approved rate	Civil	Installation and laying of High Density Polyethylene (HDPE) water pipelines by Open Cut method in accordance with the technical specification and the standard detailed drawings, of any diameter specified below. The rate includes for excavation in all kinds of soil, BFS/HBB/Bituminous road/Cement Concrete/Reinforced Cement Concrete road surface except rock to the full depth of trench required by the specifications, precautions necessary to avoid damage of underground utility services, (if any damage occurs, Contractor shall repair by his own cost) including removing the excavated earth & stacking the same to safe distance without any traffic obstacles, dewatering of the trench to keep dry condition at all times, including all necessary shoring, boxing, must be protected from any collapse of trench sides, transportation of pipes to site, cleaning, jointing and laying of the water pipes; as per specifications and direction of Engineering in charge. 75 mm dia HDPE Pipe	M	1.000	1,212.001	1,212.001
4.00	Approved rate	Civil	Extra-over item 1 for supplying and installing of HDPE (PN16, PE 100, SDR 11) fittings 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 SLEEVE (EF) 75 MM (Only Laying Charge)	P/nr	2.000	2,465.001	4,930.002
5.00	Approved rate	Civil	Extra-over item 1 for supplying and installing of HDPE (PN16, PE 100, SDR 11) fittings 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 SLEEVE (EF) 110 MM (Only Laying Charge)	P/nr	2.000	2,465.001	4,930.002

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Item No	Basis of Rate	Group	Description of the items	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
6.00	Approved rate	Civil	Bailing out of trapped water caused by inundation or rain, by pump from foundation trenches.	Hr	24.000	474.001	11,376.024
7.00	Approved rate	Civil	Extra-over item 1 for the procurement, carrying, supply, depositing and compaction of fine sand (FM 0.8) for bedding and surrounding the 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.	Cum	2.025	708.001	1,433.702
8.00	Approved rate	Civil	Extra-over item 1 for the supply, depositing and compaction of fine sand (FM 0.8) for backfilling up to 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	1.350	708.000	955.800
9.00	Approved rate	Civil	Extra-over item 1 for backfilling by excavated soil including depositing and compaction 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	2.363	347.000	819.788
10.00	Approved rate	Civil	Cleaning and disposing of excavated earth from the construction site by truck or by any other means to a place within 30 km radius of the city or town area including loading & unloading at both ends, leveling and dressing the carried earth etc. complete and accepted by the Engineer-in-charge.	Cum	3.375	756.001	2,551.503
11.00	Approved rate	Civil	50 mm downgraded picked jhama khoa consolidation in foundation trenches by mixing the same with best quality local sand (F.M. 1.2) in (2:1) (Khoa:Sand) proportion to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including breaking and screening chips, laying and preading in 150 mm layers uniformly and ompacting etc. all complete and accepted by the Engineer-in-charge	Cum	0.300	6,055.001	1,816.500

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Item No	Basis of Rate	Group	Description of the items	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
12.00	Approved rate	Civil	Removing sludge or semi-liquid clay/substances etc. not suitable for pumping out or carrying by head load from the bottom of any marshy land, lake, ditch, pond by mixing fine local sand of minimum F.M. 0.8 to a proportion such that it can be carried to an intermediate point of disposal and cutting the same including stacking and spreading properly on a suitable place to dry in the sun for a certain days and dispose the dried sludge or clay to a safe distance etc. complete and accepted by Engineer-in-charge subject to submit method statement to the engineer in charge for carrying out the works including ultimate disposal of the sludge under this item for approval. However, engineer's approval shall not relieve the Contractor of his responsibilities and obligations under the contract.	Cum	1.350	1,054.001	1,422.901
13.00	Approved rate	Civil	procurement, carrying, supplying materials and making of service connection for all depths, diameters, length up to 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, dewatering, cleaning, unplugging. The contractor will keep record of total number service connections provided to the households. All works shall be done as per specifications and the standard detail drawing and direction of the Engineer. Service connections of different diameters (20 mm, 25 mm, 37 mm, 50 mm, 75 mm) from distribution network composed of HDPE pipes of different diameters (only labour charge)	P/nr	1.000	2,133.001	2,133.001
14.00	Approved rate	Civil	Dismantling of plain concrete made of lime or cement and removal of debris to a safe distance	Cum	1.350	1,647.001	2,223.451

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Item No	Basis of Rate	Group	Description of the items	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
15.00	Approved rate	Civil	Hire Charge of road surface Cutter Machine for Heavy surfaced Road (Mechanically).During construction/Rehabilitation of water to cut or dismantling the R.C.C, C.C Asphalt and Bituminous road surface by open cut Method using hard surface Mechanical cutting machine with necessary removal of dismantled materials. Providing temporary indication board, etc. Complete (As per item no 1 both site).	M	18.000	92.501	1,665.018
16.00	Approved rate	Civil	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.	1.620	438.751	710.777
17.00	Approved rate	Civil	Reconstruction and repairing of other utilities servicesTelephone/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.	P/nr	1.000	1,875.001	1,875.001
18.00	Approved rate	Civil	Herring bone bond (HBB) with brick on edges pavement with first class or picked jhama bricks as per alignment, camber and grade over 12 mm thick sand cushion (F.M. 0.80) including filling the joints with the same sand including cost of all materials and accepted by the Engineer-in-charge.	Sqm.	4.500	1,090.001	4,905.005

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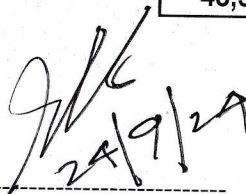
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Item No	Basis of Rate	Group	Description of the items	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
19.00	Approved rate	Civil	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks (BDS 208) including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge	Sqm.	2.250	636.001	1,431.002
Total Amount Tk.							48,363.984
							48,363.984

(In word :Fourty Eight Thosand Three Hundred Sixty Three point Nine Eight Four only)


 24.09.24
 Sub-Assistant Engineer
 MODS Zone-6,
 Dhaka Wasa


 24/9/24
 Assistant Engineer
 MODS Zone-6,
 Dhaka Wasa


 24/9/24
 Executive Engineer
 MODS Zone-6,
 Dhaka Wasa

Office of the Executive Engineer

MODS Zone-6, Dhaka WASA
Fakirapool Water Tank Compound
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Name Of the Work : Repair, Maintenance of water line Leakage, Finding out and Operating Sluice vale under Road Carpeting at Naya Paltan, Old Paltan, Bhasani Goli, Paltan main road, DPDC Control room, kamlapur etc area under MODS Zone-6, Dhaka WASA.

Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
1	Approved Rate	Civil	Mobilization and cleaning site before commencing actual physical work and during contract period and demobilization after completion of the works under contract to be accepted by the Engineer-in-charge. This work shall also covers clayey cleaning and clearing, cutting or filling, dressing the project area on and in the ground to an extent that all the events of works of the project can be executed smoothly in a working environment with a particular attention on safety and security in all respects, and to stockpile the end outcome to a place for disposal agreed by the Engineer-in-charge, where, payments are to be based on ground area determined by the Engineer-in-charge and be proportionate to the percentage progress of work under contract as a whole in all respects and approved by the Engineer-in-charge								
			For Water line Leakage point	Sqm	2.000	1.500	1.500		4.500		
									4.500	169.001	760.505



Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
2	Approved Rate	Civil	Installation and laying of High Density Polyethylene (HDPE) water pipelines by Open Cut method in accordance with the technical specification and the standard detailed drawings, of any diameter specified below. The rate includes for excavation in all kinds of soil,BFS/HBB/Bituminous road/Cement Concrete/Reinforced Cement Concrete road surface except rock to the full depth of trench required by the specifications, precautions necessary to avoid damage of underground utility services, (if any damage occurs, Contractor shall repair by his own cost) including removing the excavated earth & stacking the same to safe distance without any traffic obstacles, de-watering of the trench to keep dry condition at all times, including all necessary shoring, boxing, must be protected from any collapse of trench sides, transportation of pipes to site, cleaning, jointing and laying of the water pipes; as per specifications and direction of Engineering in charge.110 mm dia HDPE Pipe								
			Water line leakage	M	1.000	1.000	1.000	1.000	1.000		
									1.000	1,212.001	1,212.001

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Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
3	Approved Rate	Civil	Installation and laying of High Density Polyethylene (HDPE) water pipelines by Open Cut method in accordance with the technical specification and the standard detailed drawings, of any diameter specified below. The rate includes for excavation in all kinds of soil, BFS/HBB/Bituminous road/Cement Concrete/Reinforced Cement Concrete road surface except rock to the full depth of trench required by the specifications, precautions necessary to avoid damage of underground utility services, (if any damage occurs, Contractor shall repair by his own cost) including removing the excavated earth & stacking the same to safe distance without any traffic obstacles, de-watering of the trench to keep dry condition at all times, including all necessary shoring, boxing, must be protected from any collapse of trench sides, transportation of pipes to site, cleaning, jointing and laying of the water pipes; as per specifications and direction of Engineering in charge. 75 mm dia HDPE Pipe								
			Water line leakage	Nos	1.000	1.000	1.000	1.000	1.000		
									1.000	1,212.001	1,212.001
4	Approved Rate	Civil	Extra-over item 1 for supplying and installing of HDPE (PN16, PE 100, SDR 11) fittings 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 SLEEVE (EF) 75 MM								
			HDPE SLEEVE (EF) 75 MM (Only Laying Charge)	Nos	1.000	2.000	1.000	1.000	2.000		
									2.000	2,465.001	4,930.002

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Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
5	Approved Rate	Civil	Extra-over item 1 for supplying and installing of HDPE (PN16, PE 100, SDR 11) fittings 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 SLEEVE (EF) 110 MM								
			HDPE SLEEVE (EF) 110 MM (Only Laying Charge)	Nos	1.000	2.000	1.000	1.000	2.000		
									2.000	2,465.001	4,930.002
6	Approved Rate	Civil	Bailing out of trapped water caused by inundation or rain, by pump from foundation trenches.								
			Bailing out water	Hr	3.000	8.000	1.000	1.000	24.000		
									24.000	474.001	11,376.024
7	Approved Rate	Civil	Extra-over item 1 for the procurement, carrying, supply, depositing and compaction of fine sand (FM 0.8) for bedding and surrounding the 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.								
			Water line repair	Cum	2.000	1.500	1.500	0.450	2.025		
									2.025	708.001	1,433.702
8	Approved Rate	Civil	Extra-over item 1 for the supply, depositing and compaction of fine sand (FM 0.8) for backfilling up to required depth in accordance with the technical specification and direction of Engineering in charge, and standard detail drawings for all water pipe line diameters.								
			Water line repair	Cum	2.000	1.500	1.500	0.300	1.350		
									1.350	708.000	955.800

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Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
9	Approved Rate	Civil	Extra-over item 1 for backfilling by excavated soil including depositing and compaction 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.								
			Water line repair	Cum	2.000	1.500	1.500	0.525	2.363		
									2.363	347.000	819.788
10	C-2.14, PWD-2022	Civil	Cleaning and disposing of excavated earth from the construction site by truck or by any other means to a place within 30 km radius of the city or town area including loading & unloading at both ends, leveling and dressing the carried earth etc. complete and accepted by the Engineer-in-charge.								
			Water line repair	Cum	2.000	1.500	1.500	0.750	3.375		
			Water line repair	Cum	0.000	1.500	1.500	0.750	0.000		
									3.375	756.001	2,551.503
11	C-2.11, PWD-2022	Civil	50 mm downgraded picked jhama khoa consolidation in foundation trenches by mixing the same with best quality local sand (F.M. 1.2) in (2:1) (Khoa:Sand) proportion to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including breaking and screening chips, laying and preading in 150 mm layers uniformly and ompacting etc. all complete and accepted by the Engineer-in-charge								
			Bottom of fittings	Cum	2.000	1.000	1.000	0.150	0.300		
									0.300	6,055.001	1,816.500

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Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
12	Approved Rate	Civil	Removing sludge or semi-liquid clay/substances etc. not suitable for pumping out or carrying by head load from the bottom of any marshy land, lake, ditch, pond by mixing fine local sand of minimum F.M. 0.8 to a proportion such that it can be carried to an intermediate point of disposal and cutting the same including stacking and spreading properly on a suitable place to dry in the sun for a certain days and dispose the dried sludge or clay to a safe distance etc. complete and accepted by Engineer-in-charge subject to submit method statement to the engineer in charge for carrying out the works including ultimate disposal of the sludge under this item for approval. However, engineer's approval shall not relieve the Contractor of his responsibilities and obligations under the contract.								
			Water line repair	Cum	2.000	1.500	1.500	0.300	1.350		
									1.350	1,054.001	1,422.901

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Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
13	Approved Rate	Civil	procurement, carrying, supplying materials and making of service connection for all depths, diameters, length up to 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. The contractor will keep record of total number service connections provided to the households. All works shall be done as per specifications and the standard detail drawing and direction of the Engineer. Service connections of different diameters (20 mm, 25 mm, 37 mm, 50 mm, 75 mm) from distribution network composed of HDPE pipes of different diameters (only labour charge)								
			For water line	Nos	1.000	1.000		1.000	1.000		
									1.000	2,133.001	2,133.001

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Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
14	C-32.5.2, PWD-2022	Civil	Dismantling of plain concrete made of lime or cement and removal of debris to a safe distance								
			Water line repair	Cum	3.000	1.500	1.500	0.200	1.350		
									1.350	1,647.001	2,223.451
15	Approved Rate	Civil	Hire Charge of road surface Cutter Machine for Heavy surfaced Road (Mechanically).During construction/Rehabilitation of water to cut or dismantling the R.C.C, C.C Asphalt and Bituminous road surface by open cut Method using hard surface Mechanical cutting machine with necessary removal of dismantled materials. Providing temporary indication board, etc. Complete (As per item no 1 both site).								
			Water line repair	Rm	3.000	6.000	1.000		18.000		
									18.000	92.501	1,665.018
16	Approved Rate	Civil	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.								
			For trench	Sqm	1.000	1.800	0.900		1.620		
									1.620	438.751	710.777
17	Approved Rate	Civil	Reconstruction and repairing of other utilities servicesTelephone/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.								
			For Water line	each	1.000	1.000			1.000		
									1.000	1,875.001	1,875.001

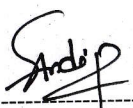
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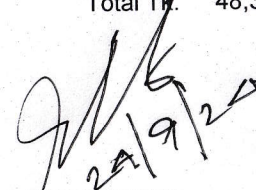
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Item No	Basis Of Rate	Group	Description	Unit	No.	Length	B/W	H/D	Qty	Rate (Tk.)	Amount (Tk.)
18	C-3.1.1, PWD-2022	Civil	Herring bone bond (HBB) with brick on edges pavement with first class or picked jhama bricks as per alignment, camber and grade over 12 mm thick sand cushion (F.M. 0.80) including filling the joints with the same sand including cost of all materials and accepted by the Engineer-in-charge.								
			Water line repair	Sqm	2.000	1.500	1.500		4.500		
									4.500	1,090.001	4,905.005
19	Approved Rate	Civil	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks (BDS 208) including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge								
			Water line repair	Sqm	1.000	1.500	1.500		2.250		
									2.250	636.001	1,431.002
										Total Tk.	48,363.984

(In word :Fourty Eight Thosand Three Hundred Sixty Three point Nine Eight Four only)


 Sub-Assistant Engineer
 MODS Zone-6,
 Dhaka Wasa


 29/9/24
 Assistant Engineer
 MODS Zone-6,
 Dhaka Wasa


 29/9/24
 Executive Engineer
 MODS Zone-6,
 Dhaka Wasa