

Dhaka Water Supply and Sewerage Authority

Office of the Executive Engineer

MODS Zone-7,DWASA

107/1/A/1/A, North Jatrabari

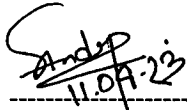
Near Ideal School & College,Jatrabari

Dhaka.

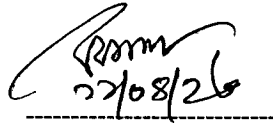
Name Of The Work : Replacing of 225 mm dia uPVC water line at Ward no-59 of DSCC near Pagla Sewer Treatment Plant(North-East Corner), West Mohammadbagh unde MODS Zone-7,DWASA.

Sl No	Description	Amount (Tk.)	Remarks
1	Part-A Departmental Materials Supply	Tk. 195,500.000	
2	Part-B Contractors labour & Materials Supply (Tender Amount)	Tk. 294,398.582	
3	Part-C Road Cutting Charge	Tk. 0.000	
4	Total Cost Of the Work	Tk. 489,898.582	
5	Deduction Part-A Departmental Materials Supply	Tk. 195,500.000	
6	Deduction Part-C Road Cutting	TK. 0.000	
7	Tender Amount (Part-B Contractors labour & Materials Supply)	Tk. 294,398.582	

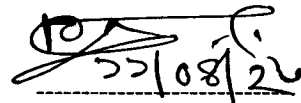
In Word : Taka Two lakh ninty four thousand three hundred ninty eight point five eight two
only


11.08.23

Sub-Assistant Engineer
MODS Zone-7
DWASA.


22/08/26

Assistant Engineer
MODS Zone-7
DWASA.


22/08/26

Executive Engineer
MODS Zone-7
DWASA.

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Office of the Executive Engineer
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ADDITIONAL INSTRUCTION TO BIDDERS.

1. Guarding of pipe line specials fitted in the line or lying at sites shall be the responsibility of the contractor until it is handed over to the Detail Store as a whole or the maintenance period is over which is applicable.
2. The following materials may be supplied from the Dhaka WASA Central store, Pagla and the departmental store if available from any WASA's store within the greater Dhaka city and their cost will be recovered from the bills at the rate mentioned against each item and the same will be carried to be site by the contractor at his own expenses. If the departmental fails to supply the said materials stated below. The same will have to be supplied by the contractor for completion of the work within the stipulated time as per rate approved by the competent authority.
3. Final bill will be paid after completion of work.
4. If any materials supplied by the dept. be comes excess after execution of the work same shall be returned to any WASA store within the greater Dhaka city as per direction of the E/C. In case of any materials is lost damaged or not returned to the stores, cost of the same will be deducted from the contractor bill at the double of the issue rate fixed by the competent authority.

Part-A (Departmental Materials Cost)

Item No.	Description of the items	Qty.	Unit	Approved Rate (TK)	Total Amount (Tk.)
1	225 mm dia uPVC P ipe (PN-10) (ISO4422-2) (1996)	101	P/M	1840.00	185,840.000
2	PVC bend 90 0 (PN-10) ISO 4422,C-225mm dia	2	each	4830.00	9,660.000
					195,500.000

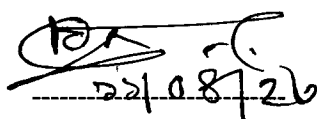
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Sub-Assistant Engineer
MODS Zone-7
DWASA.



Assistant Engineer
MODS Zone-7
DWASA.



Executive Engineer
MODS Zone-7
DWASA.

DHAKA WATER SUPPLY AND SEWAGE AUTHORITY
Office of The Executive Engineer
MODS Zone-7,DWASA
107/1/A/1/A,North jatrabari
Near Ideal School & College,Jatrabari
DHaka.

BoQ

Name Of The Work : Replacing of 225 mm dia uPVC water line at Ward no-59 of DSCC near Pagla Sewer Treatment Plant(North-East Corner), West Mohammadbagh unde MODS Zone-7,DWASA.

Part-B Contractors labour & Materials Supply

Sl No	Basis of rate	Group	Description	Unit	Qty	unit rate	Total Amount (Tk.)
1	Approved Rate	Civil	Installation and laying of (uPVC) Unplasticized polyvinyl chloride/DI / PE /MS water pipelines (including supply of materials, fittings, Equipment described in schedule of requirement Annex -- Section---) 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 Rd CC RCC rd surface except rock to the full depth of trench required by the specifications, precautions necessary to avoid damage of underground utility services, (any damage 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, preparation of trench bottom, at depth of 1.2.M ,transport (all kinds of materials, equipment, pipes & fittings) to site, laying, jointing and cleaning of the water pipes; disposal of surplus excavated material and transport back surplus materials to Dhaka WASA stores (materials supplied by Dhaka WASA described in Anexure ----) as per specifications and direction of Engineering in charge (cost of excess excavated earth would be deducted as per deptt material rate)				
			uPVC Pipe (PN -10) (ISO 4422-2 (1996) 225mm dia	P/M	101.000	98.900	9988.900
2	Approved Rate	Civil	Extra-over item 1 for supply (fittings described in schedule of requirement Annex -) and lay of uPVC/ DI/ MS fittings as per specifications and direction of Engineering in charge. (uPVC fittings mentioned in the deptt materials chart Annex --- will be supplied by the DWASA.				
			PVC bend 90 0 (PN-10) ISO 4422,C-225mm dia	P/Nr	2.000	57.500	115.000
3	Approved Rate	Civil	Extra-Over item I for the supply lay of Ductile/cast iron /M.S./GI fittings for PVC pipes in accordance with the technical specification.				
			MS. "S" bend (Normal) 200mm dia (5'-6" long)	P/Nr	4.000	5523.450	22093.800
4	Approved Rate		M.S End cap 200mm dia	P/Nr	1.000	1506.500	1506.500

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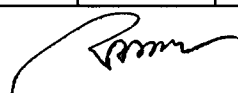
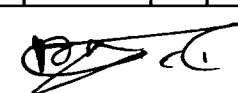
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SI No	Basis of rate	Group	Description	Unit	Qty	unit rate	Total Amount (Tk.)
5	Approved Rate	Civil	Extra-over item 1 for the supply (including supply of fittings described in schedule of requirement Annex----) and installation following adopters for jointing components of pipelines, diameter given below, as per specifications and direction of Engineering in charge and the standard detail drawings. 4.4 MS dresser coupling .MS dresser coupling 225mm dia	P/Nr	10.000	2185.000	21850.000
6	Approved Rate	Civil	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. 6/a-Bedding and surrounding by River Saturated Sand (F.M 0.8).				
			1.000	101.000	0.600	0.525	31.815
			-1.000	101.000		0.040	-4.014
							27.801
				Cum	27.801	578.450	16081.602
7	Approved Rate	Civil	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. .				
			1.000	101.000	0.600	0.975	59.085
							59.085
				Cum	59.085	578.450	34177.718
8	Approved Rate	Civil	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				
			1.000	101.000	0.600	0.900	54.540
							54.540
				Cum	54.540	154.100	8404.614
9	Approved Rate	Civil	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 .8.B-Kacha road/BFS/HBB Rd.				
			1.000	101.000		0.600	60.600
							60.600
				Sqm	60.600	36.800	2230.080
10	Approved Rate	Civil	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,				
			1.000	101.000	0.600	0.300	18.180
							18.180
				Cum	18.180	331.200	6021.216

Sadip.

Sl No	Basis of rate	Group	Description	Unit	Qty	unit rate	Total Amount (Tk.)
11	Approved Rate	Civil	50 mm down graded picked jhama khoa consolidation in foundation trenches by mixing in mixer machine in foundation with best quality local sand(F.M. 1.2) and cement in (1:6:12) (cement : sand : khoa) proportion to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) including breaking and screening chips etc. all complete and accepted by the Engineer.				
			1.000 101.000 0.600 0.100 6.060				
				Cum	6.060	2967.000	17980.020
12	Approved Rate	Civil	B) Removal of excavated earth/debris etc.				
			1.000 105.066 105.066				
				Cum	105.066	331.200	34797.924
13	Approved Rate	Civil	Extra-over item 1 for the completing hydrostatic pressure test of at least in 6 bar pressure for all extension and rehabilitation pipelines for 3 hours and 4 bar for 24 hours with allowable limit of leaks mentioned in specification in accordance with Technical Specification and direction of Engineering in charge. The rate to include for the supply of all necessary testing equipment, fittings, arrangement, water, any repair and improvement for successful of test.				
			For 100 to 250 dia pvc lines	M	101.000	24.150	2439.150
14	Approved Rate	Civil	Extra-over item 1 for the disinfection Testing of the water Pipelines in accordance with Technical Specification and direction of Engineering in charge. The rate includes all necessary arrangement, equipment, chemicals, materials and Water.				
				M	101.000	9.200	929.200
15	Approved Rate	Civil	Extra-over item 1 for the provision of temporary shoring and boxing to the sides of the excavation to maintain a safe working environment for any depths. The rate to include for the supply of all materials of approved quality ; preparation and fixing of the sheeting and removal after the completion of construction ; all in accordance with the technical specification. Planks and runners shall be minimum 50mm thick and struts shall be minimum 100mm diameter.12.1-Garjan wooden Planks runner block (withdrawn after completion of work).				
			15.000 4.000 0.300 0.050 0.900				
			6.000 0.075 0.075 5.000 0.169				
			20.000 0.075 0.075 0.113				
				Cum	1.181	4167.600	4922.978
16	Approved Rate	Civil	Shalballah strut				
			10.000 1.000 10.000				
			4.000 10.000 40.000				
				M	50.000	77.050	3852.500
17	Approved Rate	Civil	The excavation of trial holes and the completion of back fill with approved fill materials, all in accordance with the technical specification.				
			3.000 1.500 1.500 2.500 16.875				
				Cum	16.875	184.000	3105.000

Sl No	Basis of rate	Group	Description	Unit	Qty	unit rate	Total Amount (Tk.)
18	Approved Rate	Civil	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. 14.3- 200/225 mm dia	Each	2.000	2584.050	5168.100
19	Approved Rate		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. 16.1-DN 20 to DN 25mm dia	Each	2.000	1398.400	2796.800
20	Approved Rate	Civil	Supply and Installation of MS casing pipe to water distribution pipe lines lying on the alignment of the sewer main at all depths, for the diameter of water pipeline given below. The rate to include excavation of the water pipeline; necessary cleaning; cutting of the water pipeline and re-jointing to the approval of the Engineer; supply and fit of the required casing pipe, and backfill of all excess excavation in accordance with the Technical Specification. in accordance with Technical Specification and direction of Engineering in charge.17.1-M.S Pipe Casing 17.1.C-DN 300 mm for 200/225 mm dia	M	8.000	5138.200	41105.600
21	Approved Rate	Civil	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.				
			4.000	1.000	1.000	0.200	0.800
						0.800	
				Cum	0.800	5628.100	4502.480

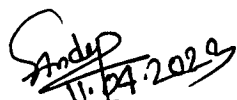
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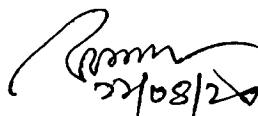
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22	Approved Rate	Civil	Hiring charge for supply and installation of MS sheets (1800x900x18mm) over the trench / road surface for a smooth traffic movement during the execution of works in accordance with Technical Specification and direction of Engineering in charge.				
			4.000 3.000 4.000 48.000				
			48.000	Sqm	48.000	445.050	21362.400
23	Approved Rate	Civil	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.	Days	10.000	2141.300	21413.000
24	Approved Rate	Civil	Solvent Cement	Kg	6.000	109.000	654.000
25	Approved Rate	Civil	Reconstruction & repairing of service manhole (Sewer/ storm sewer pit) Reconstruction and repairing of other utilities services (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	4.000	1725.000	6900.000

Total Tk. 294,398.582

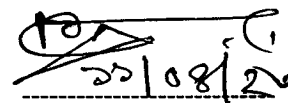
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11.04.2020

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22/08/20

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