

Dhaka Water Supply and Sewerage Authority

Office of the Executive Engineer

MODS Zone-7, Dhaka WASA

Name of work: Rehabilitaion of 225 mm dia water line at Islamnagar, Matuail Area under Mods Zone-7, Dhaka WASA.

PART-A (Departmental Materials)						
Sl. No	Basis of rate	Description of the items	Qnty.	Unit	Approved Rate (TK)	Total Amount (TK)
1	2	4	5	6	7	8
1		225 mm dia uPVC Pipe (PN -10) (ISO 4422-2 (1996)	18	m	বিভাগীয় মালামাল সমূহ অত্র জোনের সাব-স্টোর হতে সরবরাহ করা হবে ও মালামাল মজুত আছে।	
PART-B (Construction of water line)						
Sl. No	Basis of rate	Description of the items	Qnty.	Unit	Approved Rate (TK)	Total Amount (TK)
1	2	4	5	6	7	8
1	Approved Rate	Laying of unplasticied polyvinyl chloride (UPVC/DI) Pipe & sihings shown below in accordance with the technical specification and the standard detail drawing of any diameter and to the depth specified. The rate is include for excavation in all kinds of soil except rock to the full depth of trench requied by the specification (including allowances for the bedding materiaks); de-watering of uPVC Pipe (PN-10) (ISO 4442-2)				
		(i) 225 mm dia	18	P/m	99.00	1782.00
2	Approved Rate	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.				
		225 mm dia Dresser Coupling in/c nut-bolts	4	Each	1668.00	6672.00
3	Approved Rate	Extra-over item 1for 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 drawing for all pipelines				
		Bedding and surrounding by River Saturated Sand (F.M 0.8).				
		18x0.60x1.19 = 12.85				
		(-) 18x0.785x (0.11) ² = (-) 0.17	12.68	cum	578.00	7329.04
		= 12.68 cum				
		Extra-over item 1for the supply, depositing and compaction of fine sand back filling (FM 0.8) at all required depth in accordance with the technical specifition and direction of Engineering in charg and standard detail drawings for allwater pipe line diameters.				
		18x0.60x0.9 = 9.72 cum	9.72	cum	578.00	5618.16
4	Approved Rate	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.				
		18x0.60x0.15 = 1.62	1.62	cum	154.00	249.48





Sl. No	Basis of rate	Description of the items	Qty.	Unit	Approved Rate (TK)	Total Amount (TK)
5	Approved Rate	Extra-over item 1 for completing temporary reinstatement of right and flexible paved road by compacted sand (FM 1.2) of 75mm 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 the type of road surface given Kacha road/BFS/HBB Rd.				
		18 x 0.60 = 10.8	10.8	Sqm	36.00	388.80
6	Approved Rate	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.				
		12.68 + 9.72 = 22.40	22.4	cum	331.00	7414.40
7	Approved Rate	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 150/160 mm dia to 200 /225 mm dia PVC				
			2	Each	2584.00	5168.00
8	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~~ DN 20 to DN 25mm dia				
			6	Each	1941.00	11646.00
9	Approved Rate	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	1	P/day	2141.00	2141.00
Part-B Total Tk. =						48408.88
Say, Tk.=						48409.00

In Words : Forty Eight Thousand Four Hundred Nine Taka Only.


30/07/2023
Sub-Asstt. Engineer
MODS Zone-7
Dhaka WASA


30/07/23
Asstt. Engineer
MODS Zone-7
Dhaka WASA


30/09/20
Executive Engineer
MODS Zone-7
Dhaka WASA