

Section: 6 (Bill of Quantities with technical specification)

of the work : Repairing of different diameter water line leakage & Removing of dirty water
Tabnagar Block- F, L, M & N (DMA-806) under MODS Zone-8, Dhaka WASA.

Contractors labour & Materials Supply (Tender Amount)

Group	Basis of Rate	Description of Item of the Works	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
2	3	4	5	6	7	8
Civil	Approved rate	Repairing of water line leakage for the Earth work in excavation up to the required depth for pipeline chamber all kinds of soil, precautions necessary to avoid damage of under ground utility services, including removing the excavated earth & stacking the same to safe distance. de-watering machine will be install for maintain the excavation site to dry condition at all time and disposal of surplus excavated materials etc. all complete as per Drawing, Specification & Direction of the E/C	Cum	264.528		
Civil	Approved rate	Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including carrying watering, leveling, dressing and compacting to a specified percentage each layer up to finished level etc. all complete and accepted by Engineer-in-charge.	Cum	217.440		
Civil	Approved rate	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	56.640		
Civil	Approved rate	Repairing of water line leakage for the Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge.	Cum	58.080		

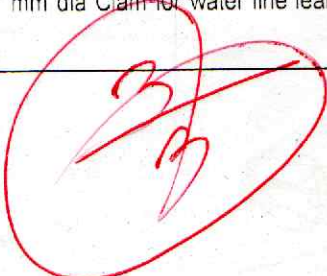
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Proprietor

Item No	Group	Basis of Rate	Description of Item of the Works	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
5	Civil	Approved rate	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 spreading in 150 mm layers uniformly and compacting etc. all complete and accepted by the Engineer-in-charge.	Cum	23.600		
6	Civil	Approved rate	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.	Sqm	120.800		
7	Civil	Approved rate	Dismantle of R.C.C. Road and Removal of debris to a safe distance	Cum	24.160		
8	Civil	Approved rate	Shore protection work during excavation in foundation trenches to protect loss due to damage of property by Palisading beyond 1.5 m depth accepted by the Engineer [the rate is including cost of vertical post]	Sqm	27.000		
9	Civil	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.DN 20 to DN 25mm dia	each	4.000		

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Item No	Group	Basis of Rate	Description of Item of the Works	Unit	Qty	Unit rate (Tk.)	Amount (Tk.)
10	Civil	Approved rate	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	18.000		
11	Civil	Approved rate	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. M.S Pipe Casing DN 300 mm for 200/225 mm dia	m	3.000		
12	Civil	Approved rate	HDPE Saddle 200x1" mm dia Clam for water line leakage Repair	each	4.000		
13	Civil	Approved rate	HDPE Saddle 160x1" mm dia Clam for water line leakage Repair	each	6.000		
14	Civil	Approved rate	HDPE Saddle 110x1" mm dia Clam for water line leakage Repair	each	5.000		
15	Civil	Approved rate	HDPE Saddle 75x1" mm dia Clam for water line leakage Repair	each	5.000		
16	Civil	Approved rate	HDPE Saddle 200x1.5" mm dia Clam for water line leakage Repair	each	2.000		
17	Civil	Approved rate	HDPE Saddle 160x1.5" mm dia Clam for water line leakage Repair	each	5.000		
18	Civil	Approved rate	HDPE Saddle 110x1.5" mm dia Clam for water line leakage Repair	each	6.000		






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Item No	Group	Basis of Rate	Description of Item of the Works	Unit	Qty	Unit rate (Tk.)	Amount (T)
19	Civil	Approved rate	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, coarse & 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	1725.001	6900.004

Total Estimate Cost.

494,894.05

Total Amount (in word) : Four Lakh Ninety Four Thousand Eight Hundred Ninety Four Point Zero Five Eight Taka Only.

Tender Price Quoted by the Tenderer: 1.25 % (Percent) Above/ Below/Asper the total Estimated cost in the BOQ

Tk.(In Figure)

4,88,707.88

Taka In Word:

Four lac Eighty eight thousand Seven hundred Seven point Eight eight only.

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