

R.T.R ENTERPRISE

Bill of Quantities

em No. 1	Group 2	Item Code (if any) 3	Description of Items of Works 4	Measurement Unit 5	Quantity 6	Unit Price In figures (BDT) 7	Unit Price In words (BDT) 8	Total Price In figures (BDT) 9	Total Price In words (BDT) 10
1	Civil	Approved Rate	Construction/laying including Procurement, supply, carrying 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; transport and disposal of surplus excavated material to a suitable location arranged by the contractor. 315 mm dia HDPE Pipe PN 10, SDR17 & PE100	m	3.000	10145.000	Ten Thousand One Hundred And Forty- Five	30435.000	Thirty Thousand Four Hundred And Thirty- Five
2	Civil	Approved Rate	315*315*75mm dia HDPE EF Tee	Each	2.000	22300.000	Twenty-Two Thousand Three Hundred	44600.000	Forty-Four Thousand Six Hundred
3	Civil	Approved Rate	Construction/laying including carrying 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; transport and disposal of surplus excavated material to a suitable location arranged by the contractor. i) 110 mm dia HDPE Pipe PE 100/ PN 10mm dia HDPE Pipe PN 10, SDR17 & PE100	m	20.000	438.351	Four Hundred And Thirty- Eight Point Three Five One	8767.020	Eight Thousand Seven Hundred And Sixty- Seven Point Zero Two
4	Civil	Approved Rate	ii) 75 mm dia HDPE Pipe PN 10, SDR17 & PE100	m	15.000	438.351	Four Hundred And Thirty- Eight Point Three Five One	6575.265	Six Thousand Five Hundred And Seventy- Five Point Two Six Five
5	Civil	Approved Rate	i) 315*315*110mm dia HDPE EF Tee	Each	1.000	4162.220	Four Thousand One Hundred And Sixty- Two Point Two Two	4162.220	Four Thousand One Hundred And Sixty- Two Point Two Two
6	Civil	Approved Rate	ii) 75*75*75mm dia HDPE EF Tee	Each	2.000	2252.110	Two Thousand Two Hundred And Fifty- Two Point One One	4504.220	Four Thousand Five Hundred And Four Point Two Two
7	Civil	Approved Rate	iii) 110*90' HDPE EF Bend	Each	1.000	1582.094	One Thousand Five Hundred And Eighty- Two Point Zero Nine Four	1582.094	One Thousand Five Hundred And Eighty- Two Point Zero Nine Four
8	Civil	Approved Rate	iv) 75*90' HDPE EF Bend	Each	2.000	1582.940	One Thousand Five Hundred And Eighty-	3165.880	Three Thousand One Hundred And Sixty-

	Civil	Approved Rate	v) 315 mm dia HDPE EF Sleeve	Each	4.000	2739.170	Two Thousand Nine Hundred And Thirty-Nine Point One Seven	10956.680	Five Point Eight Eight Ten Thousand Nine Hundred And Fifty-Six Point Six Eight
10	Civil	Approved Rate	vi) 110 mm dia HDPE EF Sleeve	Each	8.000	1582.940	One Thousand Five Hundred And Eighty-Two Point Nine Four	12663.520	Twelve Thousand Six Hundred And Sixty-Three Point Five Two
11	Civil	Approved Rate	vi) 75mm dia HDPE EF Sleeve	Each	8.000	1582.940	One Thousand Five Hundred And Eighty-Two Point Nine Four	12663.520	Twelve Thousand Six Hundred And Sixty-Three Point Five Two
12	Civil	Approved Rate	vi) 110x75 mm dia HDPE Reducer	Each	1.000	1118.110	One Thousand One Hundred And Eighteen Point One One	1118.110	One Thousand One Hundred And Eighteen Point One One
13	Civil	Approved Rate	vi) 110 mm dia HDPE BF End Cap	Each	1.000	1118.110	One Thousand One Hundred And Eighteen Point One One	1118.110	One Thousand One Hundred And Eighteen Point One One
14	Civil	PWD-2023	v) Electro fusion welding joint(up to 110 mm)	Each	12.000	502.940	Five Hundred And Two Point Nine Four	6035.280	Six Thousand And Thirty-Five Point Two Eight
15	Civil	PWD-2023	vi) Electro fusion welding joint(over 110 mm)	Each	5.000	624.700	Six Hundred And Twenty-Four Point Seven	3123.500	Three Thousand One Hundred And Twenty-Three Point Five
16	Civil	PWD-2.10.1	Pipe bedding surrounding: 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, standard detailed drawings and direction of Engineering in charge.	cum	24.000	1183.760	One Thousand One Hundred And Eighty-Three Point Seven Six	28410.240	Twenty-Eight Thousand Four Hundred And Ten Point Two Four
17	Civil	PWD-2.10.1	Main backfill of trenches: 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	56.500	1183.760	One Thousand One Hundred And Eighty-Three Point Seven Six	66882.440	Sixty-Six Thousand Eight Hundred And Eighty-Two Point Four Four
18	Civil	PWD-2.13	Back filling by excavated granular soil including depositing and compaction at all required depth in accordance with the technical specification by excavated soil for kutcha road surface.	cum	24.000	225.530	Two Hundred And Twenty-Five Point Five Three	5412.720	Five Thousand Four Hundred And Twelve Point Seven Two
19	Civil	WASA-8	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.A. Asphalt/concrete road surface.	sqm	47.000	77.930	Seventy-Seven Point Nine Three	3662.710	Three Thousand Six Hundred And Sixty-Two Point Seven One
20	Civil	WASA-9	Excavation and removal of loose soil from site and the back fill of the excess excavation with approved fill materials/ excavated earth all in accordance with technical specification.	cum	12.000	350.680	Three Hundred And Fifty	4208.160	Four Thousand Two Hundred

		Information of work provided to get pending water supply network, the site includes for excavation, lifting, transportation, plugging, de-watering, clearing and installing, protection and repair of any existing structures. All work shall be done in accordance with technical specification and direction of Engineering in charge and Standard Detail Drawings to the satisfaction of the existing water providers from below till 100 ft from the PVC.	Rate	50-100	One Thousand And Eight Hundred And Sixty Four	And Eight Thousand Six
22	Civil	Placing of Mass concrete 1:1:3 for the machine blocks at all levels, base and edge and surface including the supply of all materials in accordance with the technical specification, necessary additional excavation, supply of all materials and to the weighting of all PVC jacking material in concrete with ten layers of heavy duty polythene sheeting.	1000	5000	Five Thousand	Five Hundred
23	Civil	To avoid the disturbance and obstruction of traffic movement, sheet sheet would be provided on the trench of sheet value at the traffic crossing point. The size of the sheet sheet will be 3.0m x 6.0m x 20mm thick. The sheet will be placed across the trench horizontally as per site requirement. After completion of the work and proper completion of trench the sheet will be removed from the site etc. all complete as per direction of the E.C.	1000	17500	Four Thousand And Eighty Six	And Eight Thousand Six
24	Civil	Reconstruction & repair of service manhole (sewer pit) Reconstruction & repair of broken service manhole (sewer pit) including supply of bricks sand cement, labor with laboratory 1:1:3. Supply of all other materials as per direction of the E.C.	Each	6000	One Thousand Eight Hundred And Twenty Six	And Eight Thousand Six
25	Civil	Hire Charge of road surface cutter machine (Mechanically). During construction rehabilitation of water to cut of discharging the R.C.C. Asphalt and Bituminous road surface by open cut method using hand surface mechanical cutting machine with necessary removal of dismantled materials providing temporary indication board, etc. complete.	Meter	65000	Ninety Point One	And Eight Thousand Six
26	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 of the trench to keep the trench in a dry condition at all times etc. All complete as per direction of the E.C.	Day	8000	Two Thousand Two Hundred And Sixty Nine	And Eight Thousand Six
27	Civil	Traffic Management Etc. all complete as per E.C. a) Traffic signalman /manman	Each	12000	Eight Hundred	And Eight Thousand Six
28	Civil	Safety Barner for construction works	LS	2000	Five Thousand Five Hundred	And Eight Thousand Six
					Grand Total:	Three Lakh Forty Eight Thousand Five Hundred And Sixty Point Two Nine Six

Bill of Quantities is Electronically Signed by Mr. Md. Khan on behalf of R T R ENTERPRISE