

R T R ENTERPRISE

Bill of Quantities

Item 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	N/A	"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.	24.500	218.000	Two Hundred And Eighteen	5341.000	Five Thousand Three Hundred And Forty-One
2	Civil	N/A	"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	20.000	531.001	Five Hundred And Thirty-One Point Zero Zero One	10620.020	Ten Thousand Six Hundred And Twenty Point Zero Two

3	Civil	N/A	"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 "	m	2.000	531.001	Five Hundred And Thirty-One Point Zero Zero One	1062.002	One Thousand And Sixty-Two Point Zero Zero Two
4	Civil	N/A	"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	8.000	1495.001	One Thousand Four Hundred And Ninety-Five Point Zero Zero One	11960.008	Eleven Thousand Nine Hundred And Sixty Point Zero Zero Eight
5	Civil	N/A	"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 "	P/nr	5.000	2465.001	Two Thousand Four Hundred And Sixty-Five Point Zero Zero One	12325.005	Twelve Thousand Three Hundred And Twenty-Five Point Zero Zero Five
6	Civil	N/A	"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 TEE (EF) 110 MM X 110 MM X 110 MM. "	P/nr	1.000	2127.001	Two Thousand One Hundred And Twenty-Seven Point Zero Zero One	2127.001	Two Thousand One Hundred And Twenty-Seven Point Zero Zero One
7	Civil	N/A	"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. Reducer - EF 110 x 75 mm "	P/nr	2.000	3706.001	Three Thousand Seven Hundred And Six Point Zero Zero One	7412.002	Seven Thousand Four Hundred And Twelve Point Zero Zero Two
8	Civil	N/A	"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. MS Flange Adaptor 100mm dia "	P/nr	2.000	727.000	Seven Hundred And Twenty-Seven	1454.000	One Thousand Four Hundred And Fifty-Four
9	Civil	N/A	"Bailing out water by 1 cusec diesel operated pump including hire charge of pump, fuel, operator, spares and maintenance etc. all "	Hr	128.000	672.001	Six Hundred And	86016.128	Eighty-Six Thousand And

			complete and accepted by the Engineer-in-charge."				Seventy-Two Point Zero Zero One		Sixteen Point One Two Eight
10	Civil	N/A	"Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.8 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	7.125	1167.000	One Thousand One Hundred And Sixty-Seven	8314.875	Eight Thousand Three Hundred And Fourteen Point Eight Seven Five
11	Civil	N/A	"Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.8 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	6.675	1167.001	One Thousand One Hundred And Sixty-Seven Point Zero Zero One	7789.731	Seven Thousand Seven Hundred And Eighty-Nine Point Seven Three One
12	Civil	N/A	"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 pipeline diameters."	Cum	5.700	347.001	Three Hundred And Forty-Seven Point Zero Zero One	1977.905	One Thousand Nine Hundred And Seventy-Seven Point Nine Zero Five
13	Civil	N/A	"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	14.250	756.000	Seven Hundred And Fifty-Six	10773.000	Ten Thousand Seven Hundred And Seventy-Three
14	Civil	N/A	"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	0.338	6055.000	Six Thousand And Fifty-Five	2046.590	Two Thousand And Forty-Six Point Five Nine
15	Civil	N/A	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	2.700	1054.000	One Thousand And Fifty-Four	2845.800	Two Thousand Eight Hundred And Forty-Five Point Eight
16	Civil	N/A	Extra-over item 1 for installation including procurement, carrying, supply of Gate Valve/Non-return Valve/Pressure Sustaining Valve/Air Release Valve/ Washout Valve (BSPN 16) in accordance with the technical specification and the standard detailed drawings, of any diameter, specified below. The rate includes for transportation from plants to site,	P/nr	1.000	2601.000	Two Thousand Six Hundred And One	2601.000	Two Thousand Six Hundred And One

			excavation, backfilling, dewatering, cleaning, jointing, laying and related fittings as per specifications and direction of Engineering in charge as per specifications and the standard detail drawing and direction of the Engineer in charge. 110 mm dia Gate valve (only Fitting Charge)						
17	Civil	N/A	Interconnection of water pipelines to any existing water supply networks, the rate includes for excavation, cutting, necessary plugging, dewatering, 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.	Each	2.000	2809.000	Two Thousand Eight Hundred And Nine	5618.000	Five Thousand Six Hundred And Eighteen
18	Civil	N/A	Dismantling of plain concrete made of lime or cement and removal of debris to a safe distance	Cum	7.125	1647.000	One Thousand Six Hundred And Forty-Seven	11734.875	Eleven Thousand Seven Hundred And Thirty-Four Point Eight Seven Five
19	Civil	N/A	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	43.000	92.000	Ninety-Two	3956.000	Three Thousand Nine Hundred And Fifty-Six
20	Civil	N/A	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.	40.000	428.000	Four Hundred And Twenty-Eight	17120.000	Seventeen Thousand One Hundred And Twenty
21	Civil	N/A	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	10.000	1875.000	One Thousand Eight Hundred And Seventy-Five	18750.000	Eighteen Thousand Seven Hundred And Fifty
22	Civil	N/A	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.	16.500	1090.000	One Thousand And Ninety	17985.000	Seventeen Thousand Nine Hundred And Eighty-Five
23	Civil	N/A	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.	13.800	636.000	Six Hundred And Thirty-Six	8776.800	Eight Thousand Seven Hundred And Seventy-Six Point Eight

24	Civil	N/A	Supplying and spreading 1st class and picket bricks chips (LAA value not exceeding 40) including cost of bricks carrying, breaking into specified sizes including screening & specified sizes spreading uniformly on the road surface maintaining grade, camber and super elevation, etc. All complete as per direction of the E-I-C. 50mm downgraded.	Cum	0.360	3700.000	Three Thousand Seven Hundred	1332.000	One Thousand Three Hundred And Thirty-Two
25	Civil	N/A	Mass concrete (1:2:4) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by Engineer-in-charge. (Cement: CEM-II / B-M)	Cum	0.090	10504.000	Ten Thousand Five Hundred And Four	945.360	Nine Hundred And Forty-Five Point Three Six
26	Civil	N/A	Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or anywhere below cement concrete complete in all respect and accepted by Engineer-in-charge.	Sqm.	0.600	438.000	Four Hundred And Thirty-Eight	262.800	Two Hundred And Sixty-Two Point Eight
27	Civil	N/A	Procurement, carrying, supplying of all necessary materials and Construction of Gate valves surface box in the network including supports and all piping, fittings and other equipment in accordance with the specification and standard detail drawings	P/nr	1.000	5537.000	Five Thousand Five Hundred And Thirty-Seven	5537.000	Five Thousand Five Hundred And Thirty-Seven
28	Civil	N/A	Shore protection work during excavation in foundation trenches up to 1.5 m depth to protect loss due to damage of property by palisading accepted by the Engineer-in-charge. [The rate is including the cost of vertical post]	Sqm.	36.000	700.000	Seven Hundred	25200.000	Twenty-Five Thousand Two Hundred
29	Civil	N/A	"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 TEE (EF) 75 MM X 75 MM X 75 MM."	P/nr	1.000	4044.000	Four Thousand And Forty-Four	4044.000	Four Thousand And Forty-Four
							Grand Total:	295927.902	Two Lakh Ninety-Five Thousand Nine Hundred And Twenty-Seven Point Nine Zero Two

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