

M/S. SAZAL CONSTRUCTION & CO**Priced Bill of Quantities (BOQ)****Unit Rate Basis**

Estimate by the Procuring Entity

Item no.	Group	Item Code (if any)	Description of Item	Unit	Quantity	Unit rates or prices (in figures) (BDT)	Unit rates or prices (in words) (BDT)	Amount (in figure) (BDT)	Amount (in words) (BDT)	Select 'YES' to see the Grand Total
1	civil	N/A	"Providing layout and carry over PWD/ temporary bench- mark (BM) at site from nearby BM pillar, property lines, existing ground level (EGL), formation ground level (FGL), highest flood levels (HFL), plinth levels (PL), setting and marking all pillars, marker, pegs etc. showing an maintaining reduced levels (RL?s) including locating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white. "	sqm	72.000	33.001	Thirty-Three Point Zero Zero One	2376.072	Two Thousand Three Hundred And Seventy-Six Point Zero Seven Two	Yes
2	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	sqm	84.000	218.001	Two Hundred And Eighteen Point Zero Zero One	18312.084	Eighteen Thousand Three Hundred And Twelve Point Zero Eight Four	Yes

			and be proportionate to the percentage progress of work under contract as a whole in all respects and approved by the Engineer-in-charge							
3	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	28.800	712.001	Seven Hundred And Twelve Point Zero Zero One	20505.628	Twenty Thousand Five Hundred And Five Point Six Two Eight	Yes
4	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	120.000	414.000	Four Hundred And Fourteen	49680.000	Forty-Nine Thousand Six Hundred And Eighty	Yes
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	nos	12.000	1495.001	One Thousand Four Hundred And Ninety-Five Point Zero Zero One	17940.012	Seventeen Thousand Nine Hundred And Forty Point Zero One Two	Yes

			laying of the fittings as per specifications and direction of Engineering in charge. HDPE SLEEVE (EF) 110 MM							
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 110x110x110 mm	nos	2.000	4044.000	Four Thousand And Forty-Four	8088.000	Eight Thousand And Eighty-Eight	Yes
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. 110 mm dia HDPE 45° Bend - EF	nr	2.000	2595.000	Two Thousand Five Hundred And Ninety-Five	5190.000	Five Thousand One Hundred And Ninety	Yes
8	civil	N/A	Bailing out water by 1 cusec diesel operated pump including hire charge of pump, fuel, operator, spares and maintenance etc. all complete and accepted by the Engineer-in-charge.	hr	32.000	677.001	Six Hundred And Seventy-Seven Point Zero Zero One	21664.032	Twenty-One Thousand Six Hundred And Sixty-Four Point Zero Three Two	Yes
9	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	34.331	1167.001	One Thousand One Hundred And Sixty-Seven Point Zero Zero One	40064.311	Forty Thousand And Sixty-Four Point Three One One	Yes
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	cum	15.075	1167.001	One Thousand One Hundred And	17592.540	Seventeen Thousand Five Hundred And	Yes

			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 (main backfill)				Sixty-Seven Point Zero Zero One		Ninety-Two Point Five Four	
11	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 pipe line diameters.	cum	66.555	347.000	Three Hundred And Forty-Seven	23094.585	Twenty-Three Thousand And Ninety-Four Point Five Eight Five	Yes
12	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	79.556	756.001	Seven Hundred And Fifty-Six Point Zero Zero One	60144.415	Sixty Thousand One Hundred And Forty-Four Point Four One Five	Yes
13	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 spreading in 150 mm layers uniformly and ompacting etc. all complete and accepted by the Engineer-in-charge"	cum	0.200	6055.001	Six Thousand And Fifty-Five Point Zero Zero One	1211.000	One Thousand Two Hundred And Eleven	Yes
14	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	cum	21.800	1054.001	One Thousand And Fifty-Four Point Zero Zero One	22977.221	Twenty-Two Thousand Nine Hundred And Seventy-Seven Point Two Two One	Yes

			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.							
15	civil	N/A	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.	nr	4.000	2809.001	Two Thousand Eight Hundred And Nine Point Zero Zero One	11236.004	Eleven Thousand Two Hundred And Thirty-Six Point Zero Zero Four	Yes
16	civil	N/A	Extra-over item 1 for the completing hydrostatic pressure test of main pipeline at 5 bar pressure for 6 hours with allowable limit of maximum 10% total water loss mentioned in specification in accordance with Technical Specification and direction of Engineering in charge. Contractor will use potable water for the pressure test. The rate includes for the supply of all necessary testing equipment, fittings, arrangement, water, any repair and improvement for successful of test. 75 mm - 200 mm	m	120.000	63.001	Sixty-Three Point Zero Zero One	7560.120	Seven Thousand Five Hundred And Sixty Point One Two	Yes
17	civil	N/A	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	120.000	37.001	Thirty-Seven Point Zero Zero One	4440.120	Four Thousand Four Hundred And Forty Point One Two	Yes
18	civil	N/A	procurement, carrying, supplying materials and making of service connection for all depths, diameters, length up to	each	6.000	4553.001	Four Thousand Five Hundred And Fifty-	27318.006	Twenty-Seven Thousand Three Hundred	Yes

			consumers premises. The rate includes cost for excavation, all necessary HDPE service connection pipe, HDPE fittings (saddle clamp, ferrule, straight coupling, valves etc.), appropriate drilling system for making holes in pipes, backfilling with sand (FM 0.8), precautions necessary to avoid damage of underground utility services, (if any damage occurs, Contractor shall repair it by his own cost), plugging, de-watering, cleaning, unplugging. The contractor will keep record of total number service connections provided to the households. All works shall be done as per specifications and the standard detail drawing and direction of the Engineer. Service connections of different diameters (20 mm, 25 mm, 37 mm, 50 mm, 75 mm) from distribution network composed of HDPE pipes of different diameters				Three Point Zero Zero One		And Eighteen Point Zero Zero Six	
19	civil	N/A	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 HDPE fittings encased in concrete with two layers of heavy-duty polythene sheeting.	cum	0.400	7149.001	Seven Thousand One Hundred And Forty-Nine Point Zero Zero One	2859.600	Two Thousand Eight Hundred And Fifty-Nine Point Six	Yes
20	civil	N/A	Procurement, carrying, supply and installation of MS casing pipe, fittings, and all temporary and permanent arrangements for Bridge Crossing including all necessary pipe support.a. 150 mm MS casing pipe	m	10.000	4800.401	Four Thousand Eight Hundred Point Four Zero One	48004.010	Forty-Eight Thousand And Four Point Zero One	Yes
21	civil	N/A	Dismantling of plain concrete made of lime or cement and removal of debris to a safe distance	cum	34.425	1647.001	One Thousand Six Hundred And Forty-Seven Point Zero Zero One	56698.009	Fifty-Six Thousand Six Hundred And Ninety-Eight Point Zero Zero Nine	Yes

22	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	243.000	92.501	Ninety-Two Point Five Zero One	22477.743	Twenty-Two Thousand Four Hundred And Seventy-Seven Point Seven Four Three	Yes
23	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	6.480	438.751	Four Hundred And Thirty-Eight Point Seven Five One	2843.106	Two Thousand Eight Hundred And Forty-Three Point One Zero Six	Yes
24	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	3.600	1090.001	One Thousand And Ninety Point Zero Zero One	3924.003	Three Thousand Nine Hundred And Twenty-Four Point Zero Zero Three	Yes
25	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	2.400	636.001	Six Hundred And Thirty-Six Point Zero Zero One	1526.402	One Thousand Five Hundred And Twenty-Six Point Four Zero Two	Yes
26	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	0.150	3800.141	Three Thousand Eight Hundred Point One Four One	570.021	Five Hundred And Seventy Point Zero Two One	Yes
							Grand Total:	498297.044	Four Lakh Ninety-Eight Thousand	

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This Priced Bill of Quantities (BOQ) is Electronically Signed by Mr. MD. RAHMAN on behalf of M/S. SAZAL CONSTRUCTION & CO