MERCY ENTERPRISE

Priced Bill of Quantities (BOQ)

Unit Rate Basis

Estimate by the Procuring Entity

Item No.	Group	Item Code (If any)	Description of Items of Works (specifications preferably built-in)	Unit	Quantity	Unit rates or prices (in figures) (BDT)	Unit rates or prices (in words) (BDT)	Amount (in figure) (BDT)	Amount (in words) (BDT)	I have seen
1	Civil	24.2.1	Earthwork in box cutting in all types of soil. Removing soil to a safe distance,maintaining proper alignment, camber and grade including leveling, dressing and compacting the sub grade as per drawing and accepted by the Engineer-in-charge.Depth up to 300 mm	sqm	402.045	66.001	Sixty-Six point Zero Zero One	26535.372	Twenty-Six Thousand Five Hundred and Thirty-Five point Three Seven Two	I have seen
2	Civil	24.1.1	Earth work in road embankment up to a lift of 1.5 m in all kinds of soil including cutting and throwing earth in layers not exceeding 150 mm in thickness, breaking clods up to 40mm size in each layer, ramming, leveling and dressing as per required side slope and alignment with earth borrowed from the road side govt. acquired land for any leads and maintaining the embankment true to level and side slopes as per profiles for one year from the date of completion including making dug, bailing, profiling etc. complete and accepted by the Engineer-in-charge.For initial lift of 1.5 m	cum	14.527	201.001	Two Hundred and One point Zero Zero One	2919.942	Two Thousand Nine Hundred and Nineteen point Nine Four Two	I have seen
3	Civil	02.10.1	Sand filling in foundation trenches and plinth with sand having F.M. 0.5 to 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	cum	248.226	1088.001	One Thousand AND Eighty-Eight point Zero Zero One	270070.136	Two Lakh Seventy Thousand AND Seventy point One Three Six	I have seen

			finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge.							
4	Civil	24.10.1	Providing compacted sub-base course with well graded material of crushed well burnt picked jhama / 1st class brick bats and sand (FM 0.8) with mixing proportion 2 : 1 having compacted thickness made as per specification including local handling, spreading uniformly to proper grade camber and super elevation, packing, rolling properly with 8 to 10 ton capacity power driven road roller and watering properly for compaction of 100% MDD (standard) blinding with sand including cost of fuel, lubricants, spares, maintenance, driver etc. all complete and accepted by the Engineer-in-charge.	cum	81.677	5449.001	Five Thousand Four Hundred and Forty-Nine point Zero Zero One	445058.055	Four Lakh Forty-Five Thousand AND Fifty-Eight point Zero Five Five	I have seen
5	Civil	02.17	Mechanical compaction of earth beyond plinth area, required for pre-approved specific engineering purpose in 150 mm layers including levelling, watering and consolidation each layer with chain dozer, grader, roller etc. to achieve minimum dry density of 95% with optimum moisture content (modified proctor test) up to finished level all complete and accepted by the engineer-in-charge subjected to submission of the method statement.	cum	269.053	222.001	Two Hundred and Twenty-Two point Zero Zero One	59730.035	Fifty-Nine Thousand Seven Hundred and Thirty point Zero Three Five	I have seen
6	Civil	03.7	Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or any where below cement concrete complete in all respect and accepted by Engineer-in-charge.	sqm	433.825	47.001	Forty-Seven point Zero Zero One	20390.209	Twenty Thousand Three Hundred and Ninety point Two Zero Nine	I have seen
7	Civil	03.5.1	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	cum	2.421	8886.001	Eight Thousand Eight Hundred and Eighty-Six point	21513.008	Twenty-One Thousand Five Hundred and Thirteen	I have seen

			to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other.Mass concrete in foundation (1:2:4) with brick chips and local sand of F.M. 1.2.				Zero Zero One		point Zero Zero Eight	
8	Civil	04.1	Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, filling the joints/interstices fully with mortar, racking out the joints,cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M)	cum	14.527	7529.001	Seven Thousand Five Hundred and Twenty-Nine point Zero Zero One	109373.798	One Lakh Nine Thousand Three Hundred and Seventy-Three point Seven Nine Eight	I have seen
9	Civil	15.1.1	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to both inner-and outer surface of wall, finishing the corner and edges including washing of sand,cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all omplete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) ground floor.		41.353	299.001	Two Hundred and Ninety-Nine point Zero Zero One	12364.588	Twelve Thousand Three Hundred and Sixty-Four point Five Eight Eight	I have seen
10	Civil	7.8.1	Reinforced cement concrete works from Ready-Mix concrete with minimum cement content relates to approved mix ratio having minimum f'cr = 33.5 MPa, satisfying a specified compressive strength f?c = 25 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM,Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type ? I,best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down wellgraded stone chips conforming to ASTM C-33 (Aggregate grading as per table shown in apppendix), High-range	cum	61.257	14267.001	Fourteen Thousand Two Hundred and Sixty-Seven point Zero Zero One	873953.680	Eight Lakh Seventy-Three Thousand Nine Hundred and Fifty-Three point Six Eight	I have seen

			water reducing chemical admixture Type-G under ASTM C494(Doses to be applied as per Manufacturer's Guideline) making and placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; using machine batched and machine mixed concrete using cement content as per approved design mix (minimum 385 kg/ cum), carrying to the site of laying using Transit Mixer (considering setting time of concrete from plant to the site), including pumping of concrete using line pump or boom placer to site of laying, maintaining allowable slump of 100mm to150mm (measured at site), casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, cost of all materials and other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding laboratory test fees, the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering). (Foundation to 4th floor) Note: The mix design shall be done from PWD testing laboratory or other recognized laboratories and be consulted with concerned design office.							
11	Civil	08.1.2	Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength,fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall	kg	6127.488	100.001	One Hundred point Zero Zero One	612754.927	Six Lakh Twelve Thousand Seven Hundred and Fifty-Four point Nine Two Seven	I have seen

			be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor.							
12	Civil	LGED 3.12.02	RCC-Gpost: Providing, fitting and fixing 200mm dia round RCC Guide Post 1.70m long as per standard drawing enumerated in Appendix-6 (type design for Guide Post) with Reinforced Cement Concrete (1:2:4) with 20mm down well graded brick chips casting, curing for requisite period, including cost of providing 4nos.of 12mm dia. Rod of length 1.65m as main reinforcement and 12 nos. of round shaped 8mm dia rods used as binders; including two coats of painting with best quality synthetic enamel paint over a prime coat of approved brand of different colour and grade to form 6 nos. horizontal alternate bands in white/yellow and red to 90 cm length standing up above ground, making hole in ground of 800mm depth and 300m minimum dia, fixing the guard posts in the same holes and repacking the earth properly so as to keep the guard posts standing properly erect in correct position true to line and length including carriage of RCC Guide Post with due care to the site including loading into the truck and unloading at site complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge. Rate is inclusive of cost of all materials, labour and all incidental charges in this connection.	nos	17.000	1496.901	One Thousand Four Hundred and Ninety-Six point Nine Zero One	25447.317	Twenty-Five Thousand Four Hundred and Forty-Seven point Three One Seven	I have seen
13	Civil	LGED 3.12.03	RS-Plate: Supplying, fitting and fixing of Road Sign plates (Precautionary/Mandatory /Informative/Direction) made of 18 BWG M.S. sheet of equilateral triangle/Circular	nos	1.000	3582.661	Three Thousand Five Hundred and Eighty-Two point Six Six	3582.661	Three Thousand Five Hundred and Eighty-Two point Six Six	I have seen

			/Rectangular plates of different sizes as per standard drawing enumerated in Appendix-6 fitted with MS triangular/Rectangular frame of same size as plates by point welding (frames made by thorough welding of 25mmX25mmX3mm MS angle covering all sides of the plates and maximum 150mm center to center in the middle of frames in each vertical & horizontal directions), Plates are fitted with 50mm dia & 2.90mm thick GI pipes by continuous welding, including cutting of MS angle touched with GI pipe and 200mm long 4 nos. 12mm dia anchor bars be fitted at the lower part of the MS pipes by welding, making finishing, grinding and carrying to the working sites, etc. all complete in all respect as per design, specification and direction of the Engineer-in-charge. (Rate excludes the material cost of 50mm dia MS pipes & 4 nos. 12mm dia anchor bar)				One		One	
14	Civil	24.21	Providing expansion joints across the R.C.C. road pavement with 20 mm gap between the adjacent panels. Supplying dowel bars of size 12 mm dia and 600 mm long M.S rod placed @ 750 mm c/c. 300 mm of the bar being fixed within one slab keeping remaining portion the bar free within the adjacent slab being inserted in 20 mm dia and 300 mm long P.V.C. pipe embedded in the slab, inside of pipe fully greased, filling the gap between the slabs (with admixture) of hot bitumen and coarse sand (F.M. 2.2) in proportion of 2:1, finishing the top with bitumen, spreading coarse sand over the joint, all complete as per plan, drawing and accepted by the Engineer-in-charge.	rm	19.207	415.001	Four Hundred and Fifteen point Zero Zero One	7970.924	Seven Thousand Nine Hundred and Seventy point Nine Two Four	I have seen

15	Civil	2.13	Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site to achive 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	22.053	207.001	Two Hundred and Seven point Zero Zero One	4564.993	Four Thousand Five Hundred and Sixty-Four point Nine Nine Three	I have seen
							Grand Total:	2496229.645	Twenty-Four Lakh Ninety-Six Thousand Two Hundred and Twenty-Nine point Six Four Five	

This Priced Bill of Quantities (BOQ) is Electronically Signed by Mrs. Zobaida Khatun on behalf of MERCY ENTERPRISE