

M/S. Santa 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	-	N/A	Site development/Improvement by carted earth or dredged sand, sandy silt (free from any organic, foreign, environmental hazardous substances) carried by head or by truck or by any other means including cost of cutting or by dredging of sand, sandy silt, all; including local carrying, placing the earth/sand, sandy silt in the designated area, maintaining slopes, breaking lumps, levelling and dressing in layers up to finished level etc. all complete as per direction and accepted by the engineer in charge.	Cum	8.330	760.001	Seven Hundred and Sixty point Zero Zero One	6330.808	Six Thousand Three Hundred and Thirty point Eight Zero Eight	I have seen
2	-	N/A	Bailing out all source of water from trenches channel & any other means with all leads & lift by pump or any other means etc. All completed as per direction of the Engineer in charge.	Day	5.000	2141.001	Two Thousand One Hundred and Forty-One point Zero Zero One	10705.005	Ten Thousand Seven Hundred and Five point Zero Zero Five	I have seen
3	-	N/A	Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m head	Cum.	11.310	168.001	One Hundred and Sixty-Eight point Zero Zero One	1900.091	One Thousand Nine Hundred point Zero Nine One	I have seen
4	-	N/A	Shore protection work during excavation in foundation trenches beyond 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.	55.630	1043.001	One Thousand AND Forty-Three point Zero Zero One	58022.146	Fifty-Eight Thousand AND Twenty-Two point One Four Six	I have seen
5	-	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	7.440	518.001	Five Hundred and Eighteen point Zero Zero One	3853.927	Three Thousand Eight Hundred and Fifty-Three point Nine Two Seven	I have seen

6	-	N/A	50 mm down graded 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.	1.120	5060.001	Five Thousand AND Sixty point Zero Zero One	5667.201	Five Thousand Six Hundred and Sixty-Seven point Two Zero One	I have seen
7	-	N/A	"125mm Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) and making bond with connected walls including necessary scaffolding, curing at least for 7 days etc. all complete including cost of waler, electricity and other charges (measurements to given as 250 mm width for one brick length and 375 mm for one brick and a half brick length) accepted by the Engineer-in-charge. (Cement: CEMIUB-M) In Eound floor"	Sqm.	36.600	1185.001	One Thousand One Hundred and Eighty-Five point Zero Zero One	43371.037	Forty-Three Thousand Three Hundred and Seventy-One point Zero Three Seven	I have seen
8	-	N/A	"minimum 12 mm thick cement sand (F.M 1.2) plaster (1:4) with fresh cement to outer surface of all, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of waler, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEMIUB-M) ground floor" minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to outer surface of all, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of waler, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEMIUB-M) ground floor"	Sqm.	100.700	316.001	Three Hundred and Sixteen point Zero Zero One	31821.301	Thirty-One Thousand Eight Hundred and Twenty-One point Three Zero One	I have seen
9	-	N/A	Exterior premium acrylic emulsion paint of approved best quality and color with high performance against dirt picking tendency and efflorescence resistance properties along with water resisting properties and resistance properties against fungi, fading and flaking from authorized local agent of the	Sqm.	100.700	298.001	Two Hundred and Ninety-Eight point Zero Zero One	30008.701	Thirty Thousand AND Eight point Seven Zero One	I have seen

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			cement ratio = 0.40 and 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 well graded stone chips conforming to ASTM C-33 (Aggregate grading as per table shown in technical specification), conducting necessary tests, making and placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing with standard mixer machine with hopper, fed by standard measuring boxes, 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, other charges etc. all complete, approved and accepted by the Engineer-in-charge.				and One point Zero Zero One		and Eighty-Four point Nine Zero Five	
14	-	N/A	Centering and shuttering, including strutting, propping etc. (The formwork must be rigid enough both in and out of plane, to make the concrete surface true to the designed shape and size by using necessary MS sheets of minimum 16 BWG, angles of minimum size 40 mm x 40 mm x 5 mm, flat bars etc.) and removal of form for: Pedestal, column, column capital, lift wall and wall up to ground floor.	Sqm.	57.600	522.001	Five Hundred and Twenty-Two point Zero Zero One	30067.258	Thirty Thousand AND Sixty-Seven point Two Five Eight	I have seen
15	-	N/A	Supplying, fabrication and fixing to detail as per design : ribbed or deformed bar reinforcement (excluding laboratory test fees) for Reinforced concrete, produced and marked in accordance with BDS ISO 6935-2:2016 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires, conducting necessary laboratory tests etc. (excluding splices or laps) complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while supplying, fabrication and fixing to detail as	Kg	764.550	100.001	One Hundred point Zero Zero One	76455.765	Seventy-Six Thousand Four Hundred and Fifty-Five point Seven Six Five	I have seen

per design : ribbed or deformed bar reinforcement (excluding laboratory test fees) for Reinforced concrete, produced and marked in accordance with BDS ISO 6935-2:2016 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires, conducting necessary laboratory tests etc. (excluding splices or laps) complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while dia of bars exceeds its standard) Grade 400 (B400DWR / B420DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, fy (ReH)= 400 MPa but fy not exceeding 480 MPa and whatever is the actual yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 17% and 8% respectively : up to ground floor.

Epoxy enamel paint of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container; surface preparation including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus (if required must be treated with fungicidal solution) flaking paints, washing the surface with soap water/caustic soda, mending good the surface defects, smoothening the surface by putty, sand papering the surface; applying to Interior concrete surfaces and walls in three coats by brush/roller/spray etc. upto desired finishing; elapsing specified time for drying and recoating; with necessary scaffolding all complete in all floors and accepted by the Engineer-in-charge.

Supplying, fitting and fixing 12 BWG barbed wire (2 ply, 4 points) in fencing work @ 150 mm c/c both horizontally and vertically,

16	-	N/A	Sqm.	22.800	461.001	Four Hundred and Sixty-One point Zero Zero One	10510.823	Ten Thousand Five Hundred and Ten point Eight Two Three	I have seen
17	-	N/A	Sqm.	22.800	1033.001	One Thousand AND Thirty-	23552.423	Twenty-Three Thousand Five	I have seen

			supported by 38 mm x 38 mm x 6 mm M.S. Y-shape angle post (300 mm embedded in R.C.C. or in brick work with a cement concrete base of 75 mm x 75 mm x 300 mm) 600 mm vertical and 450 mm inclined or as per requirement @ 2.4 m c/c including straightening, binding the joints with 18 BWG wire, making holes in the angle etc. including supplying all necessary materials complete in all respect and accepted by the Engineer-in-charge. (Rate is excluding the cost of paint, R.C.C /brick work or C.C. which is to be paid as per corresponding items in the schedule).				Three point Zero Zero One		Hundred and Fifty-Two point Four Two Three	
18	-	N/A	Supplying of wooden ballah having an average diameter not less than 150 mm (without barks) at one third distance from larger end with a minimum end diameter of 100 mm for retaining purpose and driving to a depth as per design and drawing by any method including all arrangement for staging, hoisting, carrying etc. complete and accepted by the Engineer-in-charge.	M	120.000	604.001	Six Hundred and Four point Zero Zero One	72480.120	Seventy-Two Thousand Four Hundred and Eighty point One Two	I have seen
19	-	N/A	Making Dhaka WASA Monogram on plaster surface of boundary wall	Nos	4.000	750.001	Seven Hundred and Fifty point Zero Zero One	3000.004	Three Thousand point Zero Zero Four	I have seen
20	-	N/A	"safety measure item (gum boot = 4 pairs, visible vest = 4 nos, helmet = 4 nos, hand gloves = 4 pairs etc) . all complete and accepted by the Engineer-in-charge. "	Item	1.000	3300.001	Three Thousand Three Hundred point Zero Zero One	3300.001	Three Thousand Three Hundred point Zero Zero One	I have seen
							Grand Total:	498267.784	Four Lakh Ninety-Eight Thousand Two Hundred and Sixty-Seven point Seven Eight Four	