

Office of the Executive Engineer

Store Division, Dhaka WASA.

Name of the Work: Estimate for Construction of Ramp in front of the Gate of Godown No. 6, 7 and 8 under Store Division Compound, Dhaka WASA.

Sl. No.	Group	Rate schedule item No.	Description of Item	Unit	Qty.	Unit Rates or Prices (Tk)	Amount (Tk) (6x7)
1	2	3	4	5	6	7	8
1	Civil	PWD-22: 1.7	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	172.00	218.001	37496.172
2	Civil	PWD-22: 2.1.1	Layout and marking for earthwork in excavation in foundation accepted by the Engineer-in-charge. [Plinth area of the structure shall be considered for measurement]	Sqm	146.00	19.001	2774.146
3	Civil	PWD-22: 35.5.1.1	Dismantling of unserviceable/damaged brick works (with cement or lime mortar) of thickness 250 mm in foundation and superstructure and removal of debris to a safe distance.	Cum	37.00	538.001	19906.037
4	Civil	PWD-22: 32.6.1.1	Dismantling of R.C.C. beam, lintel, column, drop wall, sun shade from any height and removal old debris to a safe distance.	Cum	25.00	3928.001	98200.025
5	Civil	PWD-22: 2.1.2	Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in medium stiff clayey soil.	Sqm	95.00	328.001	31160.095
6	Civil	PWD-22: 2.10.1	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 finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge.	Sqm	44.00	1,296.001	57024.044
7	Civil	PWD-22: 3.1.1	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge	Sqm	145.00	2,400.001	348000.145
8	Civil	PWD-22: 4.1	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/B-M)	Cum	11.00	7529.001	82819.011

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1	2	3	4	5	6	7	8
9	Civil	PWD-22: 7.2.1	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having maximum water cement ratio = 0.40 and minimum f_{cr} = 22 MPa at 28 days on standard cylinders as per standard practice of Code ACI /BNBC, cement conforming to BDS EN-197-1-CEM-I, 52.5N, 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 maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in 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. (Rate is excluding laboratory test fees, the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering) Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level.	Cum	42.00	13504.001	567168.042
10	Civil	Approved Rate	Supplying, fabrication and fixing to detail as per design ribbed or deformed bar reinforcement for Reinforced cement concrete, produced and marked in accordance with BDS ISO 6935 2: 2006 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires, necessary laboratory tests (excluding splices or laps) etc. 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 (RB 400 /RB 400V: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, f_y (R_{eH})= 400 MPa but f_y not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength f_u to yield strength f_y , shall 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.	Kg	392.00	118.001	46256.392
11		LS	Site Cleaning works	Item	1.00	7195.891	7195.891
						Total Amount=	1,298,000.000

Total Amount(In Word): Twelve Lac Ninety Eighty Thousand Taka Only.

Phm
18/09/25
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Store Division, Dhaka WASA.

18/09/25
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5-09-2025
সৈয়দ শিহাবুর রহমান
নির্বাহী প্রকৌশলী (অ: দা:)
ভান্ডার বিভাগ, ঢাকা ওয়াসা।