

Section-6

BILL OF QUANTITIES

Name of work : **Re-construction of Boundary wall at Middabari area DND Canal.**

IFT No: 46.113.431.001.174.2024-25

Date:-30/04/2025

Sl No.	Basis of revised rate (PWD-2022)	Description of Items	Qty	Unit	Rate (Tk)	Amount (Tk)
(1)	(2)	(3)	(4)	(5)	(6)	(7=4x6)
CIVIL WORKS						
1	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 cover 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.	117.76	Sqm	218.001	25,671.798
2	32.1	Stripping of unserviceable plaster including racking out joints, cleaning etc.	66.49	Sqm.	31.00	2,061.190
3	32.6.1.1	Dismantling of R.C.C. beam, linel, column, drop wall, sun shade from any height and removal old debris to a safe distance.	0.65	Cum	3,928.001	2,545.836
4	4.16	125 mm 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, raking out joints, cleaning and soaking the bricks for at least 24 hours before use and washing of sand, curing at least for 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor	74.573	Sqm	1,408.001	104,998.155



M/S. HRL

Proprietor

Sl No.	Basis of revised rate (PWD-2022)	Description of Items	Qty	Unit	Rate (Tk)	Amount (Tk)
(1)	(2)	(3)	(4)	(5)	(6)	(7=4x6)
5	15.1.1	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to wall both inner- and outer surface, finishing the corner and edges including washing of sand cleaning the surface, scaffolding and curing at least for 7 days, cost of water, electricity and other charges etc. all complete in all respect as per drawing and accepted by the Engineer. (Cement: CEM-II/A-M). Ground floor.	264.26	Sqm	315.001	83,242.164
6	3.7	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.	36.21	sqm	47.001	1,701.906
7	7.3.4	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.5:3 having maximum water 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.	3.439	cum	15323.001	52,701.547
	PWD- 7.12	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:				



M/S. NRB

Proprietor

Sl No.	Basis of revised rate (PWD-2022)	Description of Items	Qty	Unit	Rate (Tk)	Amount (Tk)
(1)	(2)	(3)	(4)	(5)	(6)	(7=4x6)
8	PWD-7.12.4	Pedestal, column, column capital, lift wall and wall up to ground floor.	36.210	Sqm.	522.001	18,901.656
9	PWD- 8.1	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 dia of bars				
	8.1.2	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, f_y (R_{eH})= 400 MPa but f_y 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 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 17% and 8% respectively : up to ground floor.	804.65	kg	121.001	97,363.455

M/S. HRL

Proprietor

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(1)	(2)	(3)	(4)	(5)	(6)	(7=4x6)
10	PWD-2.10.2	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.	9.100	cum	1167.001	10,619.709
11	PWD-16.1.2	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 manufacturer in a sealed container; applying to exterior surface with surface preparation including cleaning drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects using sand paper and necessary scaffolding; applying necessary exterior sealer of specified brand on prepared surface; then applying necessary exterior putty of specified brand for levelling, spot filling, crack filling and cutting by sand paper/zero water paper; finally applying 2 coats of exterior emulsion paint spreading by brush/roller/spray & necessary scaffolding etc. upto desired finishing, elapsing specified time for drying or recoating; all complete in all floors and accepted by the Engineer-in-charge.	264.26	Sqm.	298.001	78,749.744
12	MP	Making Dhaka WASA Monogram on plaster surface of boundary wall	15.000	Nos	1,050.001	15,750.015



M/S. HRL

Proprietor

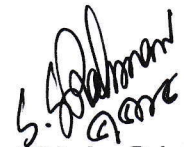
Sl No.	Basis of revised rate (PWD-2022)	Description of Items	Qty	Unit	Rate (Tk)	Amount (Tk)
(1)	(2)	(3)	(4)	(5)	(6)	(7=4x6)
13	MP	safety measure item (gum boot =4pairs, visible vest =4 nos , helmet =4 nos, hand gloves =4 pairs etc) . all complete and accepted by the Engineer-in-charge.	1.00	Item	2,500.001	2,500.001
Total Amount Tk.						496,807.175

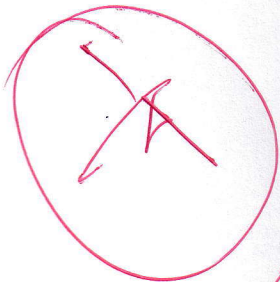
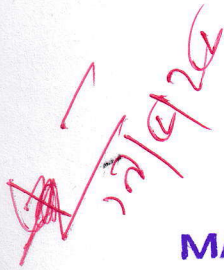
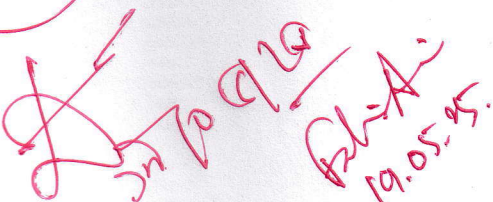
Taka: Four Lac Ninety Six Thousand Eight Hundred Seven Point One Seven Five Taka Only.

Tender Price quoted by the Tenderer : The tenders shall quote in the following blanks space.
5% below 4,71,966.816/- (Four Lac Seventy one thousand Nine hundred sixty six point Eight One six)
(Blank space provided for quoting.)

Note:

- 1 Tenderers shall quote on the basis of "Percentage (-5% to +5%) above, below or as per" of the total estimated cost of the works, both in figures and in words in the blank space provided in the priced BQQ. Any change or modification by the Tenderer in the unit rate(s) or price(s) of the priced BQQ shall lead to rejection of that particular Tender. The price to be quoted in the Tender Submission Letter (From PW2b-1) shall be the total price of the Tender in accordance with (ITT clause-21.1)
- 2 It is suggested that the Tenderer uses these sheets of the BQQ in order to avoid any manipulation, distortion and inadvertent mistakes or omissions in course of preparing the Tender by the Tenderer.
- 3 Tenderer's profit, overheads, VAT and all other charges including corresponding incidental service charges for banking shall be deemed included in all the unit rates and prices in the BQQ against each basic item or activity and thus forth the total Tender Price quoted by the Tenderers.


Syed Shihabur Rahman
 Executive Engineer
 Saidabad Water Treatment Plant (Maintenance)
 Dhaka WASA, Dhaka.




M/S. HR

Proprietor