ltem No.	Description of Item	Unit		ate (Dhaka, nensingh)	(Cha	it Rate ttogram, ylhet)	(Khul	nit Rate na, Barisal, opalgonj)	(Ra	nit Rate ajshahi, angpur)
	RCC WORKS: 1:2:4 (measured on gross concrete section) (f'c = 19 MPa, minimum f'cr = 26 MPa in nominal mix 1:2:4), with brick-chips (Sand of F.M. 1.2 and F.M. 2.2 in equal proportion)									
07.1	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having maximum water cement ratio = 0.45 and minimum fcr = 26 MPa, satisfying a specified compressive strength fc= 19 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 sand [50% quantity of best local sand (F.M. 1.2) and 50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2] and 20 mm down well graded picked jhama brick chips conforming to ASTM C-33 including conducting necessary tests, breaking chips and screening, 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).									
07.1.1	Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level	cum	Tk.	8,673.00	Tk.	8,643.00	Tk.	8,521.00	Tk.	8,449.0
7.1.2	Pedestal, column, column capital, lift wall and wall up to ground floor	cum	Tk.	9,032.00	Tk.	8,996.00	Tk.	8,853.00	Tk.	8,781.0
7.1.3	Floor / roof slab, T-beam, L-beam and rectangular beam, tie beam, lintel, stair case slab and step etc. up to ground floor	cum	Tk.	8,817.00	Tk.	8,784.00	Tk.	8,654.00	Tk.	8,582.0
7.1.4	Cornice, railing, drop wall, louver, fins, sunshade, false ceiling, waffle and ribbed floor slab etc. up to ground floor	cum	Tk.	9,391.00	Tk.	9,350.00	Tk.	9,185.00	Tk.	9,113.0
	RCC WORKS: 1:2:4 (measured on gross concrete section) (f 'c = 22 MPa, minimum f 'cr = 30.5 MPa in nominal mix 1:2:4), with stone chips (100% sand of F.M. 2.2)									

Item No.	Description of Item	Unit		ate (Dhaka, ensingh)	(Ch	nit Rate attogram, Sylhet)	(Khul	nit Rate na, Barisal, opalgonj)	(R	nit Rate ajshahi, angpur)
07.2	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having maximum water cement ratio = 0.40 and minimum fcr = 30.5 MPa, satisfying a specified compressive strength fc = 22 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 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)									
07.2.1	Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level	cum	Tk.	13,504.00	Tk.	13,670.00	Tk.	12,724.00	Tk.	12,340.00
07.2.2	Pedestals, column, column capital, lift wall and RCC wall up to ground floor	cum	Tk.	13,863.00	Tk.	14,023.00	Tk.	13,056.00	Tk.	12,671.00
07.2.3	Floor / roof slab, T-beam, L-beam and rectangular beam, tie beam, lintel, stair case slab and steps etc. up to ground floor	cum	Tk.	13,648.00	Tk.	13,811.00		12,857.00	Tk.	12,472.00
07.2.4	Cornice, railing, drop wall, louver, fins, sunshade, false ceiling, waffle and ribbed floor slab etc. up to ground floor	cum	Tk.	14,223.00	Tk.	14,377.00	Tk.	13,388.00	Tk.	13,003.00
	RCC WORKS: 1:1.5:3(measured on gross concrete section) (fc = 25MPa, minimum fcr = 33.5 MPa in nominal mix 1 : 1.5 : 3), with stone chips (100% sand of F.M. 2.2)									
07.3	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 fcr = 33.5 MPa, satisfying a specified compressive strength fc = 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. (Rate is excluding laboratory test fees, the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering)									
07.3.1	Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level	cum	Tk.	13,842.00	Tk.	14,000.00	Tk.	13,095.00	Tk.	12,728.00
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ltem No.	Description of Item	Unit		Rate (Dhaka, nensingh)	(Ch	Init Rate attogram, Sylhet)	(Khul	nit Rate na, Barisal, opalgonj)	(R	nit Rate ajshahi, angpur)
07.3.2	Pedestals, column, column capital, lift wall and RCC wall up to ground floor	cum	Tk.	14,201.00	Tk.	14,353.00	Tk.	13,427.00	Tk.	13,060.00
07.3.3	Floor / roof slab, T-beam, L-beam and rectangular beam, tie beam, lintel, stair case slab and steps etc. upto ground floor	cum	Tk.	13,986.00	Tk.	14,141.00	Tk.	13,228.00	Tk.	12,861.00
07.3.4	Cornice, railing, drop wall, louver, fins, sunshade, false ceiling, waffle and ribbed floor slab etc. up to ground floor	cum	Tk.	14,561.00	Tk.	14,707.00	Tk.	13,759.00	Tk.	13,392.00
	RCC WORKS : 1:1.25:2.5 (measured on gross concrete section) (f'c = 32 MPa, minimum f'cr = 40.5 MPa in nominal mix 1 : 1.25 : 2.5)With Stone Chips and Admixture (Type-G) (100% sand of F.M. 2.2)									
07.4	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.25:2.5 having maximum water cement ratio = 0.40 and minimum fcr = 40.5 MPa, satisfying a specified compressive strength fc = 32 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, and adding approved high range water reducing admixture of complying specific type (generally be Type-G) under ASTM-C 494, best quality coarse sand [Sylhet sand or coarse sand of equivalent F.M. 2.2], 20 mm down well graded crushed stone chips conforming to ASTM C-33 (Aggregate grading as per table shown in technical specification), including conducting necessary tests, screening sand through proper sieves, 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 and 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. (Doses of admixture to be fixed in consultation with design office) (Rate is excluding laboratory test fees, the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering).									
07.4.1	Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level	cum	Tk.	14,143.00	Tk.	14,295.00	Tk.	13,421.00	Tk.	13,067.00
07.4.2	Padestal, column, column capital, lift wall and RCC wall up to ground floor	cum	Tk.	14,503.00	Tk.	14,648.00	Tk.	13,753.00	Tk.	13,399.00
07.4.3	Floor / roof slab, T-beam, L-beam and rectangular beam, tie beam, lintel, stair case slab and steps etc. up to ground floor	cum	Tk.	14,287.00	Tk.	14,436.00	Tk.	13,554.00	Tk.	13,200.00
07.4.4	Cornice, railing, drop wall, louver, fins, sunshade, false ceiling, waffle and ribbed floor slab etc. up to ground floor	cum	Tk.	14,862.00	Tk.	15,002.00	Tk.	14,085.00	Tk.	13,731.00
	RCC WORKS: 1:1:2 (measured on gross concrete section) (fc = 40 MPa, minimum fcr = 50 MPa in nominal mix 1 : 1 : 2) With stone chips and admixture (Type-G) (100% sand of F.M. 2.2)									
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ltem No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1:2 having minimum fcr = 50 Mpa, satisfying a specified compressive strength fc = 40 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, and adding approved high range water reducing admixture of complying specific type (generally be Type-G) under ASTM-C 494, best quality coarse sand [Sylhet sand or coarse sand of equivalent F.M. 2.2], 20 mm down well graded crushed 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 and 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. (Doses of admixture to be fixed in consultation with design office) (Rate is excluding laboratory test fees, the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering)					
07.5.1	Individual & combined footing, pile cap, raft/mat and foundation beam up to plinth level	cum	Tk. 14,624.00	Tk. 14,768.00	Tk. 13,935.00	Tk. 13,599
07.5.2	Pedestal, column, column capital, lift wall and RCC wall upto ground floor	cum	Tk. 14,984.00			
	Fair-faced RCC WORKS: 1:1.5:3 (measured on gross concrete section) (fc = 25 MPa, minimum fcr = 33.5 MPa in nominal mix 1:1.5:3) (100% sand of F.M. 2.2)					
07.6	Cast-in-place fair-faced concrete works with fcr=33.5 Mpa and fc=25 Mpa at 28 days on standard cylinders by using 75% of OPC and 25% of white 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, 20 mm down and well graded stone chips conforming to ASTM C-33 (Aggregate grading as per table shown in technical specification) at mix ratio of 1:1.5:3 , adding coloring pigment admixture (satisfying ASTM C979) as per architectural design, conforming to the standard practice of code ACI/BNBC/ASTM including conducting necessary tests, screening sand and chips through proper sieves, washing, making and placing shutter in position maintaining true to plumb, making shutter water tight properly, placing reinforcement in position, including pouring of concrete in form, 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)					
07.6.1	For column, wall, beam, slab, drop wall, cornice etc. up to ground floor	cum	Tk. 17,381.00	Tk. 17,522.00	Tk. 16,558.00	Tk. 16,190.0
	RCC WORKS: batch mix/machine mix with approved mix design, well graded stone chips (100% sand of F.M. 2.2) and required admixture				<u> </u>	6

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item No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)	
07.7.1	Reinforced cement concrete works from batch mix/machine mix with minimum cement content relates to approved mix ratio having minimum fcr = 33.5 MPa, satisfying a specified compressive strength fc = 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 technical specification), High-range water reducing chemical admixture Type-G under ASTM C494 (Doses to be applied as per Manufacturer's Guideline), conducting necessary tests, 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), including pumping of concrete using line pump or boom placer to site of laying, maintaining allowable slump of 100mm to150mm, 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.	cum	Tk. 14,992.00	Tk. 15,158.00	Тк. 14,290.00	Tk. 13,923.00	
07.7.2	Reinforced cement concrete works from batch mix/machine mix with minimum cement content relates to approved mix ratio having minimum fcr = 40.5 MPa, satisfying a specified compressive strength fc = 32 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 technical specification), High-range water reducing chemical admixture Type-G under ASTM C494 (Doses to be applied as per Manufacturer's Guideline) making and placing shutter in position; using machine batched and machine mixed concrete using cement content as per approved design mix (minimum 445 kg/ cum), including pumping of concrete using line pump or boom placer to site of laying, maintaining allowable slump of 100mm to150mm, 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.	cum	Tk. 15,372.00				
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Item No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
07.7.3	Reinforced cement concrete works from batch mix/machine mix with minimum cement content relates to approved mix ratio having minimum fcr = 50 MPa, satisfying a specified compressive strength fc = 40 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 technical specification), High-range water reducing chemical admixture Type-G under ASTM C494(Doses to be applied as per Manufacturer's Guideline), conducting necessary tests, 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 500 kg/ cum), including pumping of concrete using line pump or boom placer to site of laying, maintaining allowable slump of 100mm to150mm, 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)	cum	Tk. 15,650.00	Tk. 15,803.00	Tk. 15,003.00	Tk. 14,665.00
07.7.4	consulted with concerned design office. Reinforced cement concrete works from batch mix/machine mix with minimum cement content relates to approved mix ratio having minimum fcr = 60 MPa, satisfying a specified compressive strength fc =50 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 technical specification), High- range water reducing chemical admixture Type-G under ASTM C494 (Doses to be applied as per Manufacturer's Guideline), conducting necessary tests, 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 (minimum 500 kg/ cum) and micro silica (minimum 25 kg/ cum) as per approved design mix, including pumping of concrete using line pump or boom placer to site of laying, maintaining allowable slump of 100mm to150mm, 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.	cum	Tk. 18,111.00	Tk. 18,264.00	Tk. 17,464.00	Тк. 17,127.00

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ltem No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
	RCC WORKS: from Ready-Mix Concrete plant with approved mix design, well graded stone chips (100% sand of F.M. 2.2) and required admixture					
07.8.1	Reinforced cement concrete works from Ready-Mix concrete with minimum cement content relates to approved mix ratio having minimum fcr = 33.5 MPa, satisfying a specified compressive strength fc = 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 appendix), High-range 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 ind 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.	cum	Tk. 14,267.00	Tk. 14,434.00	Tk. 13,566.00	Tk. 13,199.00
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tem No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
7.8.2	Reinforced cement concrete works from Ready-Mix concrete with minimum cement content relates to approved mix ratio having minimum fcr = 40.5 MPa, satisfying a specified compressive strength f ⁺ c = 32 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 technical specification), High-range water reducing chemical admixture Type-G under ASTM C494(Doses to be applied as per Manufacturer's Guideline), conducting necessary tests, 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 445 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 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.	cum	Tk. 14,647.00	Tk. 14,808.00	Tk. 13,971.00	Tk. 13,617.00
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Item No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
07.8.3	Reinforced cement concrete works from Ready-Mix concrete with minimum cement content relates to approved mix ratio having minimum f ^c cr = 50 MPa, satisfying a specified compressive strength f ^c c = 40 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 technical specification), High-range 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 500 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 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.	cum	Tk. 14,926.00	Tk. 15,079.00	Tk. 14,279.00	Tk. 13,941.00
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Item No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
07.8.4	Reinforced cement concrete works from Ready-Mix concrete with minimum cement content relates to approved mix ratio having minimum fcr = 60 MPa, satisfying a specified compressive strength fc = 50 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 technical specification), High-range water reducing chemical admixture Type-G under ASTM C494(Doses to be applied as per Manufacturer's Guideline), conducting necessary tests, 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 (minimum 500 kg/ cum) and micro silica (minimum 25 kg/ cum) as per approved design mix, 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)	cum	Tk. 17,387.00	Tk. 17,540.00	Tk. 16,740.00	Tk. 16,402.00
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Item No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
07.8.5	Reinforced cement concrete works for thick mat foundation from Ready-Mix concrete with minimum cement content relates to approved mix ratio having minimum for = 33.5 MPa, satisfying a specified compressive strength fc = 25 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM,Cement conforming to CEM-II/B-M 42.5N (42.5MPa), 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 technical specification), High-range water reducing chemical admixture Type-G under ASTM C494(Doses to be applied as per Manufacturer's Guideline), conducting necessary tests, 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 400 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: MAT) Note: The mix design shall be done from PWD testing laboratory or other recognized laboratories and be consulted with concerned design office.	cum	Tk. 14,234.00	Tk. 14,397.00	Tk. 13,548.00	Tk. 13,189.00
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07.8.6 Reinforced cement concrete works for thick mat foundation from Ready-Mix concrete with minimum cement content relates to approved mix ratio having minimum for = 4.05 MPa, satisfying a speriade compressive strength for = 21 MPa a 128 days on shandard clynders as per standard practice of Code ACIENBC/ASTM. Genent conforming to CEM-IIB-M 42.5N (42.5MPa), best quality Syhtet sand or coarse sand of equivalent F.M. 2.2 and 20 m down wellgraded stone chips conforming to ASTM C-33 (Aggregate grading as per table shown in technical specification), High-range water reducing chemical admixture Type-G under ASTM C494(Doess to be applied as per standard) machine hatched and machine mixed concrete using cleme in position, using machine batched and machine mixed concrete using cleme in position, using machine batched and machine mixed concrete using cleme is clo, castler in fores, compacting by ubrator machine and curing at least for 28 days, removing centering-shutter in position, using machine batched and accepted by the Engineer-in-charge. (Rate is excluding laboratory test fies, the cost of reinforcement and its fabrication, placing, binding etc. and ther cost of stere is all complete, approved align inclusion and mariather and correlate disgering mattering accentering). (Foundation: MAT) Note: The mix design shall be done from PWD testing laboratory or other recognized laboratories and be consulted with concerned design office. RCC WORKS 1:1:25:2.5 (measured on gross concrete section) (fc = 30 MPa, minimum for = 38.5 MPa in nominal mix 1 : 1:25 : 2.5) With Stone Chips and Admixture (100% sand of F.M. 2.2) For Saline Zone Work Work	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
(fc = 30 MPa, minimum fcr = 38.5 MPa in nominal mix 1 : 1.25 : 2.5) With Stone Chips and	cum	Tk. 14,603.00	Tk. 14,759.00	Tk. 13,943.00	Tk. 13,597.0
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7.9	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.25:2.5 having minimum fcr = 38.5 MPa, satisfying a specified compressive strength fc = 30 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, Cement conforming to CEM-II/B-M 42.5N (42.5MPa), and adding approved high range water reducing admixture of complying specific type (generally be Type-G or F) under ASTM-C 494, best quality coarse sand [Sylhet sand or coarse sand of equivalent F.M. 2.2], 20 mm down well graded crushed stone chips conforming to ASTM C-33 (Aggregate grading as per table shown in technical specification), including conducting necessary tests, screening sand through proper sieves, 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 and fed by standard measuring boxes or in batching plant, 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. (Doses of admixture to be fixed in consultation with design office) (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	Tk.	14,815.00	Tk.	14,967.00	Tk.	14,093.00	Tk.	13,739.00
.9.2	Padestal, column, column capital, lift wall and RCC wall up to ground floor	cum	Tk.	15,174.00	Tk.	15,320.00	Tk.	14,425.00	Tk.	14,071.00
9.3	Floor / roof slab, T-beam, L-beam and rectangular beam, tie beam, lintel, stair case slab and steps etc. up to ground floor	cum	Tk.	14,589.00		14,739.00		13,856.00		13,502.00
.9.4	Cornice, railing, drop wall, louver, fins, sunshade, false ceiling, waffle and ribbed floor slab etc. up to ground floor	cum	Tk.	15,164.00	Tk.	15,304.00	Tk.	14,387.00	Tk.	14,033.00
.10	Added rate for RCC works/fair-faced concrete works (materials, consumables and laying/placing concrete) in column, column capital, lift wall & wall, T- beam, L-beam, rectangular beams, floor / roof slab, cantilever slab, waffle slab and drop panels where the free height of the structure exceeds 4 meter (rate is considered for each additional meter height)	cum	Tk.	340.00	Tk.	335.00	Tk.	312.00	Tk.	312.00
7.11.1	Added rate for RCC work/fair-faced work in additional floor: concrete	cum	Tk.	93.00	Tk.	93.00	Tk.	93.00	Tk.	93.00
11.2	Added rate for RCC work in additional floor: concrete (concrete from batching or Ready-Mix Plant)									
7.11.2.1	Add for each cum of concrete from 5th floor to 14th floor:	cum	Tk.	19.00		19.00		19.00	Tk.	19.00
11.2.2	Add for each cum of concrete above 15th floor:	cum	Tk.	47.00	Tk.	47.00	Tk.	47.00	Tk.	47.00
7.12	FORM WORK (Steel) 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:									
7.12.1	Individual and competited footing	sqm	Tk.	582.00	Tk.	579.00	Tk.	568.00	Tk.	568.00
.12.2	In raft/mat/floor slab up to plinth level	sqm	Tk.	587.00		584.00		571.00	-	571.00

ltem No.	Description of Item	Unit		ate (Dhaka, ensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
07.12.3	Foundation beam	sqm	Tk.	493.00	Tk. 492.0	0 Tk. 486.00	Tk. 486.00
07.12.4	Pedestal, column, column capital, lift wall and wall up to ground floor	sqm	Tk.	522.00	Tk. 521.0	and the second se	Tk. 517.00
07.12.5	Tie beam and lintel: ground floor	sqm	Tk.	543.00	Tk. 541.0	0 Tk. 535.00	Tk. 535.00
07.12.6	T-beam, L-beam and rectangular beam etc up to ground floor	sqm	Tk.	574.00			
07.12.7	Floor and roof slab up to ground floor	sqm	Tk.	597.00	and the second se	0 Tk. 590.00	Tk. 590.00
07.12.8	Cornice, railing, drop walls, louver, fins etc.: ground floor	sqm	Tk.	487.00	Tk. 486.0	0 Tk. 479.00	Tk. 479.00
07.12.9	Sunshade, false ceiling: ground floor	sqm	Tk.	541.00	Tk. 540.0	0 Tk. 534.00	Tk. 534.00
07.12.10	Stair case slab and steps up to ground floor	sqm	Tk.	551.00		0 Tk. 546.00	
07.12.11	Waffle or ribbed floor upto ground floor	sqm	Tk.	720.00		0 Tk. 713.00	-
07.12.12.1	Arches, domes, vaults up to 8m span (for single use)	sqm	Tk.	2,145.00			
07.12.12.2	Arches, domes, vaults up to 8 m span (for 2-times use)	sqm	Tk.	1,501.00			
07.12.12.3	Arches, domes, vaults up to 8 m span (for 3-times use)	sqm	Tk.	1,073.00	Tk. 1,072.0		
07.12.12.4	Arches, domes, vaults up to 8 m span (for more than 3-times use)	sqm	Tk.	751.00		0 Tk. 749.00	
07.13	Added rate for arches, domes, valits exceeding 8 m span	sqm	Tk.	537.00		0 Tk. 535.00	
07.14	Added rate for shuttering in circular work	sqm	Tk.	115.00		0 Tk. 114.00	
07.15	Added rate for additional height in centering, shuttering where ever required with adequate bracing,	sqm	Tk.	57.00		0 Tk. 57.00	
	propping etc. over a height of 4.0 m, for every additional height of 1 meter or part thereof.	Squi	1.13	01.00			
07.16	Added rate for formwork/shuttering in additional floor	sqm	Tk.	18.00	Tk. 18.0	0 Tk. 16.00	Tk. 16.0
07.17	Formwork for making 'fair-faced' surface of the concrete as per design, drawing and direction of Engineer-in-charge. (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 10 BWG, angles of minimum size 50 mm x 50 mm x 6 mm, flat bars, formwork releasing agent etc.)	sqm	Tk.	1,110.00	Tk. 1,108.0	0 Tk. 1,104.00	Tk. 1,104.0
07.10	FORMWORK (Wooden) for boundary wall, gate, centry post etc.						
07.18	Centering and shuttering, including strutting, propping etc. and removal of form for:				T: 500.0		
07.18.1	Individual and combined footings	sqm	Tk.	523.00		0 Tk. 502.00	
07.18.2	Foundation beam	sqm	Tk.	475.00		0 Tk. 458.00	
07.18.3	Padestals, column, wall	sqm	Tk.	526.00		0 Tk. 508.00	-
07.18.4	Tie beam & lintels	sqm	Tk.	521.00	Tk. 520.0		
07.18.5	T-beam, L-beam and rectangular beam	sqm	Tk.	508.00		0 Tk. 490.00	
07.18.6	Floor & roof slab	sqm	Tk.	561.00	Tk. 557.0		
07.18.7	Cornice, railing, drop wall, louver, fins etc.	sqm	Tk.	459.00		0 Tk. 445.00	
07.18.8	Sunshade, false ceiling	sqm	Tk.	471.00		0 Tk. 459.00	Tk. 459.
07.18.9	Stair case slab and steps	sqm	Tk.	457.00	Tk. 457.0	0 Tk. 445.00	Tk. 445.
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Item No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
07.19	Supply and use of specified type chemical admixture delivered from an authorized local agent or manufacturer, complying with the ASTM C-494 requirements; conforming the current compliance of the admixture to specification requirements like physical properties, uniformity and equivalence in composition etc.; performance (water content, fresh concrete setting time and compressive strength) requirements, delivered in sealed water-tight containers confirming plainly marked product name & type under this specification, net weight and /or volume, manufacturing and expiry date, non aggressiveness to environment, aggregates and metals in concrete etc. and mixing the admixture in non pre-stressed cement concrete mixture in the field in accordance with manufacturers recommendation and instruction; providing safety provisions in all respects etc. all complete as per instruction and approved by the Engineer-in-charge. Dose (quantity in milli litres per 50 kg bag cement) and brand/origin/ manufacturer with respect to particular brand of cement and particular stock of aggregates and method of use to be determined by mix design / trial mix at the cost of contractor and approved by the Engineer. (Use of admixture is subjected to prior approval of design office)					
07.19.1	Supply and use of water reducing chemical admixture in concrete, complying ASTM C-494 Type – A of approved brand / origin / manufacturer and supplied by only manufacturer's authorised dealer with certificate of origin. The admixture is to reduce quantity of mixing water required for normal workability and to maintain low water-cement (W/C) ratio, for improved concrete quality assurance.	liter	Tk. 205.00	Tk. 204.00	Tk. 203.00	Tk. 203.00
07.19.2	Supply and use of retarding chemical admixture in concrete, complying ASTM C-494 Type - B of approved brand/origin/manufacturer and supplied by only manufacturer's authorised dealer with certificate of origin. The admixture for retarding setting time of concrete, there by reducing shrinkage in concrete specially for concrete laid in thick layers and intended delayed construction for improved construction joints, re-concreting etc.	liter	Tk. 209.00	Tk. 209.00	Tk. 209.00	Tk. 209.00
07.19.3	Supply and use of accelerating chemical admixture in concrete, complying ASTM C-494 Type - C of approved brand/origin/manufacturer and supplied by only manufacturer's authorised dealer with certificate of origin. An admixture that is to accelerate the setting time and early strength gain of concrete.	liter	Tk. 147.00	Tk. 147.00	Tk. 147.00	Tk. 147.00
07.19.4	Supply and use of water-reducing and retarding chemical admixture in concrete, complying ASTM C- 494 Type - D of approved brand/origin/manufacturer and supplied by only manufacturer's authorised dealer with certificate of origin. The admixture to reduce the quantity of mixing water required to produce concrete of given consistency, i.e. low water-cement (W/C) ratio and intend to retard setting time of concrete, specially for layered, thick laid concrete etc.	liter	Tk. 270.00			
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Item No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)
07.19.5	Supply and use of water-reducing and accelerating chemical admixture in concrete, complying ASTM C-494 Type - E of approved brand/origin/manufacturer and supplied by only manufacturer's authorised dealer with certificate of origin. The admixture to reduce the quantity of mixing water required to produce concrete of given consistency, i.e. low water-cement (W/C) ratio and intend to accelerate setting time of concrete, and early strength gain in concrete etc.	liter	Tk. 233.00	Tk. 233.00	Тк. 233.00	Тк. 233.00
07.19.6	Supply and use of water-reducing high range chemical admixture in concrete, complying ASTM C- 494 Type - F of approved brand/origin/manufacturer and supplied by only manufacturer's authorised dealer with certificate of origin. The admixture required to produce concrete of consistency by 12% or greater (flowing concrete) and for higher strength of concrete.	liter	Tk. 270.00	Tk. 270.00	Tk. 270.00	Tk. 270.00
07.19.7	Supply and use of water-reducing high range and retarding chemical admixture in concrete, complying ASTM C-494 Type - G of approved brand/origin/manufacturer and supplied by only manufacturer's authorised dealer with certificate of origin. The admixture required to produce concrete of consistency by 12% or greater (flowing concrete) and for higher strength of concrete and intend to retard setting time of concrete.	liter	Тк. 202.00	Tk. 202.00	Тк. 202.00	Тк. 202.00
07.20	Supply and use of best quality pliable , cold applied pre-formed self adhesive rubberized / bituminous water proofing membrane of approved brand / origin / manufacturer from an authorized local agent or manufacturer having minimum thickness 1.5 mm, lined with 2 ply cross laminated high density polyethylene film performances and properties all conforming to ASTM standards and laying, placing, fixing on made up firm and dry surfaces free from hollows, sharp protrusions, contaminates etc. laid over-lap by at least 75 mm along the edges and 125 mm at ends ensuring good initial bond with the surfaces all complete under the strict accordance with the manufacturer recommendations and instructions providing all safety provisions in all respects and accepted by the Engineer. (supplied by only manufacturer's authorised dealer with certificate of origin) under following specification:					
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ltem No.	Description of Item	Unit	Unit Rate (Dhaka, Mymensingh)	Unit Rate (Chattogram, Sylhet)	Unit Rate (Khulna, Barisal, Gopalgonj)	Unit Rate (Rajshahi, Rangpur)	
	Backing(HDPE) thickness minimum 0.10mm Membrane thickness minimum 1.40mm Total thickness minimum 1.50mm Cold flexibility greater than (-)200C: ASTM D146 Pliability: "No crack" tested in ASTM D146 Tensile strength (film only) min 3.50 MPa(35000kN/m2) testing in ASTM D882 Tensile strength (composite) at least 2.40 MPa or N/mm2 Elongation (composite) min 300% Cycling over crack at (-) 320C No effect 100 cycles ASTM C836-89a Puncture resistance greater than 240N Resistance to hydrostatic head at least 50m ASTM D5385 Tear resistance min 4.0 MPa (N/mm2) Adhesion to primed concrete min 4.0 N/mm : ASTM D1000 Water vapor transmission Less than 0.10g/m2 per hour : ASTM E96 Water absorption in 24 hour Less than 0.33% ASTM D570 Heat ste and curing at least for 28 days, removing centering-shutterin						
07.20.1	Water-proofing membrane on external surface of primed vertical or inclined wall /on plastered and primed back-wall and concrete cast against membrane. (Excluding cost of back fill/brick wall on back/plaster when membrane laid on back-wall and concrete cast against membrane which to be paid a per corresponding items in this schedule)		Tk. 1,085.00	Tk. 1,082.00	Tk. 1,069.00	Tk. 1,069.00	
07.20.2	Water-proofing membrane on made up surface below the floor or below the horizontal surfaces with temporary protective cover using polystyrene/38 mm thick sand-cement mortar in 4:1 /or by equally effective alternative. (Rate is excluding the cost of protective cover which to be paid as per corresponding items in this schedule)	/	Tk. 895.00	Tk. 893.00	Tk. 886.00	Tk. 886.00	
07.20.3	Water-proofing membrane on the floor or on the horizontal surfaces with permanent protective cover & wearing coarse. (Rate is excluding the cost of protective cover and wearing coarse which to be paid as per corresponding items in this schedule)		Tk. 930.00	Tk. 929.00	Tk. 921.00	Tk. 921.00	
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Description of Item Supply of polymer based curing compound as per ASTM C 309 or BS 7542-1992 standard and apply by stirring & spraying with motorized sprayers over the surface of fresh concrete free from surface water and avoiding bleeding of concrete maintaining the spray nozzle approximately 450 mm away from the concrete surface with passed back and forth to ensure complete coverage confirming the pump pressure for fine spray and keeping the concrete surface undisturbed until it has sufficient strength to bear surface loads [The suitability of motorized sprayer should be ensured by an application trial] ensuring adequate ventilation to avoid inhalation of vapors and contact with skin and eyes all complete and accepted by Engineer-in-charge.	Unit	Unit Rate (Dhaka, Mymensingh)		Unit Rate (Chattogram, Sylhet)		Unit Rate (Khulna, Barisal, Gopalgonj)		Unit Rate (Rajshahi, Rangpur)	
	sqm	Tk.	218.00	Tk.	215.00	Tk.	206.00	Tk.	206.0
Supply of epoxy bonding agent following ASTM C881 / C881M - 14 or any international acceptable standard and apply over the old concrete surface after making free of standing water, removal of dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants to achieve optimum bonding in between fresh and old concrete and accepted by the Engineer-in-charge.	sqm	Tk.	1,088.00	Tk.	1,083.00	Tk.	1,068.00	Tk.	1,068.0
Supply of best quality salt guard coating on concrete surface following ASTM B117 delivered from authorized local agent of the manufacturer in a sealed container and apply by a firm experienced in applying salt guard coating or workers trained and approved by manufacturer to wall and ceiling in 2 coats elapsing specified time for drying/ recoating including cleaning and sand papering making the surface free from loose and efflorescence, flaky materials, dirt, grease, wax, polish, scraping all chalked and scaled materials, applying the paint by brush/spray following manufacturer's written instructions and necessary scaffolding etc. all complete and accepted by the Engineer-in-charge	sqm	Tk.	47.00	Tk.	46.00	Tk.	45.00	Tk.	45.0
Supplying, fitting and fixing of 0.45mm thick foreign made celulloid paper for fair face form works to add extra smoothness in surface applying in shutter top with liquid glue etc of celluloid paper and other materials, electricity, accessories, labour for installation, scaffolding, screws, nails etc. all complete as per design, approved and accepted by the engineer in charge.	sqm	Tk.	175.00	Tk.	174.00	Tk.	172.00	Tk.	172.0
	Supply of polymer based curing compound as per ASTM C 309 or BS 7542-1992 standard and apply by stirring & spraying with motorized sprayers over the surface of fresh concrete free from surface water and avoiding bleeding of concrete maintaining the spray nozzle approximately 450 mm away from the concrete surface with passed back and forth to ensure complete coverage confirming the pump pressure for fine spray and keeping the concrete surface undisturbed until it has sufficient strength to bear surface loads [The suitability of motorized sprayer should be ensured by an application trial] ensuring adequate ventilation to avoid inhalation of vapors and contact with skin and eyes all complete and accepted by Engineer-in-charge. Supply of epoxy bonding agent following ASTM C881 / C881M - 14 or any international acceptable standard and apply over the old concrete surface after making free of standing water, removal of dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants to achieve optimum bonding in between fresh and old concrete and accepted by the Engineer-in-charge. Supply of best quality salt guard coating on concrete surface following ASTM B117 delivered from authorized local agent of the manufacturer in a sealed container and apply by a firm experienced in applying salt guard coating or workers trained and approved by manufacturer to wall and ceiling in 2 coats elapsing specified time for drying/ recoating including cleaning and sand papering making the surface free from loose and efflorescence, flaky materials, dirt, grease, wax, polish, scraping all chalked and scaled materials, applying the paint by bush/spray following manufacturer's written instructions and necessary scalfolding etc. all complete and accepted by the Engineer-in-charge	Supply of polymer based curing compound as per ASTM C 309 or BS 7542-1992 standard and apply by stirring & spraying with motorized sprayers over the surface of fresh concrete free from surface water and avoiding bleeding of concrete maintaining the spray nozzle approximately 450 mm away from the concrete surface with passed back and forth to ensure complete coverage confirming the pump pressure for fine spray and keeping the concrete surface undisturbed until it has sufficient strength to bear surface loads [The suitability of motorized sprayer should be ensured by an application trial] ensuring adequate ventilation to avoid inhalation of vapors and contact with skin and eyes all complete and accepted by Engineer-in-charge. sqm Supply of epoxy bonding agent following ASTM C881 / C881M - 14 or any international acceptable standard and apply over the old concrete surface after making free of standing water, removal of dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants to achieve optimum bonding in between fresh and old concrete surface following ASTM B117 delivered from authorized local agent of the manufacturer in a sealed container and apply by a firm experienced in applying salt guard coating on concrete surface following ASTM B117 delivered from authorized local agent of the manufacturer in a sealed container and apply by a firm experienced in applying salt guard coating or workers trained and approved by manufacturer to wall and ceiling in 2 coats elapsing specified time for drying/ recoating including cleaning and sand papering making the surface free from loose and efforescence, flaky materials, dirt, grease, wax, polish, scraping all chalked and scaled materials, applying the paint by bursh/spray following manufacturer's written instructions and necessary scaffolding etc. all complete and accepted by the Engineer-in-charge sqm Supplying, fi	Description of item Unit Mym Supply of polymer based curing compound as per ASTM C 309 or BS 7542-1992 standard and apply by stirring & spraying with motorized sprayers over the surface of fresh concrete free from surface water and avoiding bleeding of concrete maintaining the spray nozzle approximately 450 mm away from the concrete surface with passed back and forth to ensure complete coverage confirming the pump pressure for fine spray and keeping the concrete surface undisturbed until it has sufficient strength to bear surface loads [The suitability of motorized sprayer should be ensured by an application trial] ensuing adequate ventilation to avoid inhalation of vapors and contact with skin and eyes all complete and accepted by Engineer-in-charge. sqm Tk. Supply of epoxy bonding agent following ASTM C881 / C881M - 14 or any international acceptable standard and apply over the old concrete surface after making free of standing water, removal of dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants to achieve optimum bonding in between fresh and old concrete and accepted by the Engineer-in-charge. sqm Tk. Supply of best quality salt guard coating on concrete surface following ASTM B117 delivered from authorized local agent of the manufacturer in a sealed container and apply by a firm experienced in applying salt guard coating or workers trained and approved by manufacturer's written instructions and necessary scaffolding etc. all complete and accepted by the Engineer-in-charge sqm Tk. Supplying, fitting and fixing of 0.45mm thick foreign made celulloid paper for fair face form works to and scaled materials, applying the paint by brush/spray following manufacturer's written ins	Description of item Unit Mymensingh Supply of polymer based curing compound as per ASTM C 309 or BS 7542-1992 standard and apply by stirring & spraying with motorized sprayers over the surface of fresh concrete free from surface water and avoiding bleeding of concrete maintaining the spray nozzle approximately 450 mm away from the concrete surface with passed back and forth to ensure complete coverage confirming the pump pressure for fine spray and keeping the concrete surface undisturbed until it has sufficient strength to bear surface loads [The suitability of motorized sprayer should be ensured by an application trial] ensuring adequate ventilation to avoid inhalation of vapors and contact with skin and eyes all complete and accepted by Engineer-in-charge. sqm Tk. 1,088.00 Supply of epoxy bonding agent following ASTM C881 / C881M - 14 or any international acceptable standard and apply over the old concrete surface after making free of standing water, removal of dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants to achieve optimum bonding in between fresh and old concrete surface following ASTM B117 delivered from authorized local agent of the manufacturer in a sealed container and apply by a firm expreienced in applying salt guard coating on workers trained and aproved by manufacturer to wall and ceiling in 2 coats elapsing specified time for drying (recoating including cleaning and sand papering making the surface free from loose and efflorescence, flaky materials, dirt, grease, wax, polish, scraping all chalked and scaled materials, applying the paint by brush/spray following manufacturer's written instructions and necessary scaffolding etc. all complete and accepted by the Engineer-in-charge sqm Tk. 175.00 Tk.	Description of Item Unit Unit Unit Unit Unit Unit Unit Character (Character) Supply of polymer based curing compound as per ASTM C 309 or BS 7542-1992 standard and apply by stirring & spraying with motorized sprayers over the surface of fresh concrete free from surface water and avoiding bleeding of concrete maintaining the spray nozzle approximately 450 mm away from the concrete surface with passed back and forth to ensure complete coverage confirming the pump pressure for fine spray and keeping the concrete surface undisturbed until it has sufficient strength to bear surface loads [The suitability of motorized sprayer should be ensured by an application trial] ensuring adequate ventilation to avoid inhalation of vapors and contact with skin and eyes all complete and accepted by Engineer-in-charge. 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Supply of best quality salt guard coating on concrete surface following ASTM B117 delivered from applying salt guard coating on workers trained and approved by manufacturer to wall and ceiling in 2 coats elapsing specified time for drying/ recoating including cleaning and sand papering making the autorized local agent of the manufacturer in a seeled container and apply by a firm experienced in applying salt guard coating or workers trained and approved by manufacturer's written instructions and necessary scaffolding etc. all complete and accepted by the Engineer-in-charge sqm Tk. 47.00 Tk. 174.00 Tk. <td>Description of Item Unit Unit Mit Rate (Dhaka, Mymensingh) (Chattogram, Sylhet) (Khulna, Barisal, Gopalgon) Supply of polymer based curing compound as per ASTM C 309 or BS 7542-1992 standard and apply by stiring & spraying with motorized sprayers over the surface of fresh concrete free from surface water and avoiding bleeding of concrete maintaining the spray nozzle approximately 450 mm away from to concrete surface with passed back and forth to ensure complete coverage confirming the pump pressure for fine spray and keeping the concrete surface undisturbed until it has sufficient strength to bear surface loads [The suitability of motorized sprayers should be ensured by an application trial] ensuring adequate ventilation to avoid inhalation of vapors and contact with skin and eyes all complete and acceptable standard and apply over the old concrete surface after making free of standing water, removal of dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants to achieve optimum bonding in between fresh and old concrete surface following ASTM B117 delivered from authorized local agent of the manufacturer in a sealed container and apply by a firm experienced in applying sait guard coating or vorkers trianed and approved by manufacturer to wall and celling in 2 coats elapsing specified time for drying/ recoating including cleaning and sand papering making the surface free from losse and efforescence, faky materials, dir, grease, wax, polish, scraping all chalked and scaled materials, applying in shutter top with liquid glue etc of celluloid paper and necessary scaffolding etc. all complete and accepted by the Engineer-in-charge sqm Tk. 176.00 Tk. 174.00 Supplying, fitting and fixing of 0.45mm thick foreign made celluloid glue etc of cellu</td><td>Description of Item Unit Unit Unit Unit Unit Unit Chattogram, Sylhet) (Khulna, Barisal, Gopalgon) (Khulna, Barisal, G</td></td></td>	Description of Item Unit Unit Rate (Dhaka, Mymensingh) (Chattogram, Sylhet) Supply of polymer based curing compound as per ASTM C 309 or BS 7542-1992 standard and apply by stirring & spraying with motorized sprayers over the surface of fresh concrete free from surface water and avoiding bleeding of concrete maintaining the spray nozzle approximately 450 mm away from the concrete surface with passed back and forth to ensure complete coverage confirming the pump pressure for fine spray and keeping the concrete surface undisturbed until it has sufficient strength to bear surface loads [The suitability of motorized sprayer should be ensured by an application trial] ensuring adequate ventilation to avoid inhalation of vapors and contact with skin and eyes all complete and accepted by Engineer-in-charge. 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