SECTION - 6

SCHEDULE OF ITEMS WITH QUOTED RATE AND AMOUNT FOR

CONSTRUCTION OF 1ST & 2ND FLOOR OF MIDDLE PART AND 1ST FLOOR (REMAINING) AND 2ND FLOOR OF BACK PART OF GEOLOGICAL-SCIENCE AND COMPUTER SCIENCE & ENGINEERING BUILDING AT JAHANGIRNAGAR UNIVERSITY, SAVAR, DHAKA.

A. CIVIL WORKS

A.1 Foundation Upto Plinth Level

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
1	Preparation work of site including given layout	SqM	2,307.00		
2	Earth work in excavation in all kinds of soil for foundation trenches including. layout, providing center lines, local bench-mark pillars, leveling, 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, subject to submit method statement of carrying out excavation work to the Engineer for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract.				
	(a) Upto 1.50m depth and 10m lead	CuM	30.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(b) More than 1.50m depth and 10m lead	CuM	25.00		
3	Mass concrete (1:3:6) in foundation or floor with cement, sand (F.M. 1.2) and picked jhama chips including breaking chips, screening, mixing, laying, compacting to levels and curing for at least 7 days including the supply of water, electricity and other charges and costs of tools and plants etc. all complete and accepted by the Engineer.	CuM	2.00		
4	Damp Proof Course Work :				
	(a) In 12mm thick plaster 1:4 on internal wall and side of external wall with 250ml foam lub per bags of cement which will be payable in separate item.	SqM	35.00		
	(b) In floor : Supplying and laying of double layer polythene sheet	SqM	40.00		
	(c) Foam lub using with cement plaster as DPC @ 250ml per bag of cement	Litre	5.00		
	(d) Applying 2 coats of hot bitumen on internal wall and vertical side of external plinth wall plaster surface	SqM	35.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
5	Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site minimum dry density of 90% 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 the Engineer.	CuM	55.00		
6	Sand filling in foundation trenches and plinth with sand having F.M. 0.5 to 0.8 in 150mm layers including leveling, watering and compaction to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only etc. all complete and accepted by the Engineer.	CuM	30.00		
7	Sand filling in foundation trenches and plinth with coarse sand having min. F.M. 1.2 in 150mm in layers including leveling, watering and compaction to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only etc. all complete and accepted by the Engineer.	CuM	10.00		
8	Brick works with first class bricks in cement sand (F.M. of sand 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.	CuM	10.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
9	Exposed brick works (for exterior wall without outside plaster) with special quality sorted out first class bricks using BEST, conforce and Dhaka Auto (Morden) or approved best quality very carefully laid in cement sand (F.M. 1.2) mortar (1:4) in superstructure with uniform width and depth joints, true to vertical and horizontal lines including raking out joints scaffolding, soaking the bricks at least for 24 hours before use, washing and screening of sand. Curing at least for 7 days and high class Rule pointing with cement sand (F.M. 1.2) mortar (1:1) including cost of water, electricity and other charges etc all complete and accepted by the Engineer.				
	(a) Exposed double wythe brick work (for exterior wall without outside plaster) in plinth wall (1:4) using 1st class ordinary bricks in outer wythe and ordinary 1st class bricks in inner wythe including pointing work in 1:2 on brick surface	CuM	10.00		
	(b) Exposed double wythe brick work in plinth 1st class ordinary bricks in outer side (brick laid on end) and ordinary 1st class brick in inner wythe (brick laid flat) including pointing work in 1:2 on brick surface	CuM	5.00		
10	Exposed brick work using BEST, conforce and Dhaka Auto (Morden) or approved best quality in brick pillar in plinth of the following size (1:4) using 1st class ordinary bricks including pointing work in 1:2 all expose brick surface.				
	(a) 750mm x 250mm size	CuM	0.50		
	(b) 500mm x 250mm size	CuM	0.25		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(c) 250mm x 250mm size	CuM	0.25		
	(d) 750mm x 750mm size x 250mm L shape	CuM	0.25		
11	Reinforced cement concrete works using wooden shutter, with minimum cement content relates to mix ratio 1:2:4 having minimum f'cr = 24 Mpa, and satisfying a specified compressive strength f'c= 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 1 (32.5 to 52.5 N) / 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 using BEST, conforce and Dhaka Auto (Morden) or approved bes quality conforming ASTM C-33 including breaking chips and screening, making, placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hoper fed by standard measuring boxes, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering including cost of water, electricity, testing charges of material and cylinder with other charges etc. all complete approved and accepted by the Engineer. (Rate is excluding the cost of reinforcement and its fabrication, placing and				
	(a) In individual and continuous footing	CuM	10.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(b) In grade beam	CuM	3.00		
	(c) In foundation beam	CuM	1.00		
12	Reinforced cement concrete works using wooden shutter with minimum cement content relates to mix ratio 1:1.5:3 having minimum f'cr = 26 Mpa, and satisfying a specified compressive strength f'c = 21 Mpa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM & Cement conforming to BDS EN-197-1-CEM 1 (32.5 to 52.5 N) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand [F.M. 2.2] and 20 mm down well graded picked jhama brick chips using BEST, conforce and Dhaka Auto (Morden) or approved best quality conforming to ASTM C-33, including breaking chips and screening, making, placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hoper and fed by standard measuring boxes, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering including cost of water, electricity, testing charges of material and cylinder other charges etc. all complete approved and accepted by the Engineer. (Rate is excluding the cost of reinforcement and its fabrication, binding, welding and placing)				
	(a) In pedestal and column upto plinth level	CuM	1.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
13	Wooden Shuttering Works				
	(a) In footing and slab at plinth level	SqM	10.00		
	(b) In grade beam	SqM	5.00		
	(c) In foundation beam	SqM	1.00		
	(d) In column	SqM	20.00		
14	Supplying, fabrication and fixing to details as per design deformed bar reinforcement in concrete in accordance with BDS 1313 : 1991 standard including straightening and cleaning rust, if any, bending and binding in position including supply of G.I. wires etc. complete in all respects and accepted by the Engineer.				
	(a) 275-grade deformed bar with minimum fy = 275 MPa & tensile strength at least 316 MPa.	Kg.	50.00		
	(b) 400-grade deformed bar with minimum fy = 400 MPa & tensile strength at least 460 MPa	Kg.	2,300.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
15	Brick bonded concrete work / Reinforced Brick bonded concrete work total thickness as mention in the Bill of Quantity in 1:2:4 with first class bricks laid flat in rows and columns and embedded in concrete using portland cement best quality sand [(25% quantity of best local sand (F.M. 1.2) and 75% quantity of coarse sand of F.M. 2.2)] as fine aggregate and 12mm down graded chips of jhama bricks as coarse aggregate including breaking of jhama bricks into chips, cleaning, screening and washing of both coarse and fine aggregate, cleaning of flooring bed of all loose darts and dusts, placing of Ist Class bricks in rows and columns with clear 38mm/50mm (for R.B.BC) gap all around, mixing of concrete, placing, compaction without neat cement finishing at top and continuous curing in impounded water for 14 days, providing necessary drainage slope etc. complete as per drawing specification and direction of the Engineer-in-charge (Cost of reinforcement for RBBC work will be payable under separate item)				
	(a) 115mm	SqM	1.00		
	(b) 150mm	SqM	10.00		
	Total for Foundation Upto Plinth Level (A.1)				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
A.2	**Above Plinth Level**				
1	Exposed brick works (for exterior wall without outside plaster) with special quality sorted out first class bricks using BEST, conforce and Dhaka Auto (Morden) or approved best quality, very carefully laid in cement sand (F.M. 1.2) mortar (1:4)) in superstructure with uniform width and depth joints, true to vertical and horizontal lines including raking out joints scaffolding, soaking the bricks at least for 24 hours before use, washing and screening of sand. Curing at least for 7 days and high class flush pointing with cement sand (F.M. 1.2) mortar (1:1) including cost of water, electricity and other charges etc all complete and accepted by the Engineer.				
	(a) One side pointing				
	(i) Ground floor	CuM	10.00		
	(ii) 1st floor	CuM	326.00		
	(iii) 2nd floor	CuM	425.00		
	(iv) 3rd floor	CuM	65.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(b) Both side pointing				
	(i) Ground floor	CuM	8.00		
	(ii) 1st floor	CuM	85.00		
	(iii) 2nd floor	CuM	110.00		
	(iv) 3rd floor	CuM	10.00		
2	Brick works of width one brick or one and a half brick length with first class bricks in cement sand (F.M. 1.2) mortar (1:6) in superstructure including raking out joints, filling the interstices with mortar, cleaning and soaking the bricks at least for 24 hours before use and washing of sand, necessary scaffolding, curing at least for 7 days etc. all complete (measurement to given as 250 mm width for one brick length and 375 mm for one brick and a half brick length) and accepted by the Engineer.				
	(a) Ground floor	CuM	3.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(a) 1st floor	CuM	14.00		
	(c) 2nd floor	CuM	18.00		
	(d) 3rd floor	CuM	3.00		
3	Exposed 125 mm thick pointing extra ordinary ornamental brick work with sorted out first class bricks using BEST, conforce and Dhaka Auto (Morden) or approved best quality in 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.				
	(a) Ground floor	SqM	25.00		
	(b) 1st floor	SqM	550.00		
	(c) 2nd floor	SqM	725.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(d) 3rd floor	SqM	300.00		
4	125 mm brick works with first class bricks in 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.				
	(a) Ground floor	SqM	30.00		
	(b) 1st floor	SqM	650.00		
	(c) 2nd floor	SqM	850.00		
	(d) 3rd floor	SqM	250.00		
5	(a) Brick coping work using machine mould ordinary 1st class bricks in window sill, parapet topes, railing and in any other places in 1:3 cement sand mortar with bricks laid on end including pointing work all floor.				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(i) In single wythe	SqM	100.00		
	(ii) In double wythe 250mm wide	SqM	400.00		
	(b) Reinforced brick lining/cladding work (Solier course) by the side of C.C. work/R.C. work 125mm thick brick work laid flat or brick laid on end in any other places using Machine mould ordinary 1st class bricks in 1:3 cement sand mortar (Reinforcement work in payable separately) using of sand F.M. 1.20 quantity 75% and sand F.M. 2.20 quantity 25%.	SqM	1,500.00		
	(c) Reinforced brick lining (cladding work) by the side of C.C. work/R.C. work brick laid flat or brick laid on end in any other places using 25mm to less than 125mm thick cut Machine mould ordinary 1st class bricks in 1:3 cement sand mortar (Reinforcement work in payable separately) using of sand F.M. 1.20 quantity 75% and sand F.M. 2.20 quantity 25%.	SqM	2,300.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
6	Reinforced cement concrete works using wooden shutter, with minimum cement content relates to mix ratio 1:2:4 having minimum f'cr = 24 Mpa, and satisfying a specified compressive strength f'c= 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 1 (32.5 to 52.5 N) / 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 ASTM C-33 including breaking chips and screening, making, placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hoper fed by standard measuring boxes, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering including cost of water, electricity, testing and other charges etc. all complete approved and accepted by the Engineer. (Rate is excluding the cost of reinforcement and its fabrication, placing and binding)				
	(a) In Lintel				
	(i) Ground floor	CuM	1.00		
	(ii) 1st floor	CuM	38.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(iii) 2nd floor	CuM	48.00		
	(iv) 3rd floor	CuM	5.00		
	(b) In tee beam, Ell beam, rectangular beam				
	(i) Ground floor	CuM	20.00		
	(ii) 1st floor	CuM	225.00		
	(iii) 2nd floor	CuM	300.00		
	(iv) 3rd floor	CuM	61.00		
	(c) In sunshade, cornice, railing & drop wall.				
	(i) Ground floor	CuM	1.00		
	(ii) 1st floor	CuM	12.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(iii) 2nd floor	CuM	16.00		
	(iv) 3rd floor	CuM	6.00		
	(d) In floor slab, roof slab of all types, cantilever slab				
	(i) Ground floor	CuM	5.00		
	(ii) 1st floor	CuM	290.00		
	(iii) 2nd floor	CuM	375.00		
	(iv) 3rd floor	CuM	100.00		
	(e) In stair case slab and steps				
	(i) Ground floor	CuM	9.00		
	(ii) 1st floor	CuM	9.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(iii) 2nd floor	CuM	9.00		
7	Reinforced cement concrete works using wooden shutter with minimum cement content relates to mix ratio 1:1.5:3 having minimum f'cr = 26 Mpa, and satisfying a specified compressive strength f'c = 21 Mpa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM & Cement conforming to BDS EN-197-1-CEM 1 (32.5 to 52.5 N) / ASTM-C 150 Type – I, best quality Sylhet sand or coarse sand [F.M. 2.2] and 20 mm down well graded picked jhama brick chips conforming to ASTM C-33, including breaking chips and screening, making, placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hoper and fed by standard measuring boxes, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering including cost of water, electricity, testing and other charges etc. all complete approved and accepted by the Engineer. (Rate is excluding the cost of reinforcement and its fabrication, binding, welding and placing)				
	(a) In column				
	(i) Ground floor	CuM	5.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(ii) 1st floor	CuM	75.00		
	(iii) 2nd floor	CuM	100.00		
	(iv) 3rd floor	CuM	20.00		
8	Shuttering work using wooden shutter				
	(a) In Lintel				
	(i) Ground floor	SqM	30.00		
	(ii) 1st floor	SqM	425.00		
	(iii) 2nd floor	SqM	550.00		
	(iv) 3rd floor	SqM	50.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(b) In beam				
	(i) Ground floor	SqM	20.00		
	(ii) 1st floor	SqM	1,750.00		
	(iii) 2nd floor	SqM	2,300.00		
	(iv) 3rd floor	SqM	450.00		
	(c) In sunshade, cornice, railing				
	(i) Ground floor	SqM	10.00		
	(ii) 1st floor	SqM	140.00		
	(iii) 2nd floor	SqM	200.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(iv) 3rd floor	SqM	80.00		
	(d) In floor slab, roof slab				
	(i) Ground floor	SqM	30.00		
	(ii) 1st floor	SqM	2,900.00		
	(iii) 2nd floor	SqM	3,750.00		
	(iv) 3rd floor	SqM	950.00		
	(e) In stair case slab and steps				
	(i) Ground floor	SqM	55.00		
	(ii) 1st floor	SqM	55.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(iii) 2nd floor	SqM	75.00		
	(f) In column				
	(i) Ground floor	SqM	50.00		
	(ii) 1st floor	SqM	575.00		
	(iii) 2nd floor	SqM	750.00		
	(iv) 3rd floor	SqM	150.00		
9	Supplying, fabrication and fixing to details as per design deformed bar reinforcement in concrete in accordance with BDS 1313 : 1991 standard including straightening and cleaning rust, if any, bending and binding in position including supply of G.I. wires etc. complete in all respects and accepted by the Engineer.				
	(a) 275 grade deformed bar with miminim fy - 275 MPa				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(i) Ground floor	Qtl.	8.00		
	(ii) 1st floor	Qtl.	104.00		
	(iii) 2nd floor	Qtl.	145.00		
	(iv) 3rd floor	Qtl.	34.00		
	(b) 400 grade deformed bar with minimum fy=400 MPa				
	(i) Ground floor	Qtl.	11.00		
	(ii) 1st floor	Qtl.	1,300.00		
	(iii) 2nd floor	Qtl.	1,741.00		
	(iv) 3rd floor	Qtl.	400.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(c) Bond tie work using Z shaped tie of 1/4" dia M.S. rod, 7" x 10" x 7" size to be used in double wythe brick work.	Each	7,998.00		
	(d) Using M.S. black wire for brick lining work	Qtl.	14.41		
10	Plaster work				
	(a) Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:6) having 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.				
	(i) Ground floor	SqM	350.00		
	(ii) 1st floor	SqM	3,700.00		
	(iii) 2nd floor	SqM	5,000.00		
	(iv) 3rd floor	SqM	500.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(b) Min. 12mm thick cement plaster (1:4) over window sill including NCF (All floor) as per drawing and accepted by the Engineer.	SqM	700.00		
	(c) Minimum 6 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to ceiling R.C.C. columns, beams, surface of stair case, sunshades, cornices, railings, drop wall, louvers, fins and finishing the corners 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.				
	(i) Ground floor	SqM	30.00		
	(ii) 1st floor	SqM	2,800.00		
	(iii) 2nd floor	SqM	3,800.00		
	(iv) 3rd floor	SqM	370.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
11	Rule pointing to brick wall with cement sand (F.M. 1.2) mortar (1:2) with fresh cement and raking out the joints, scaffolding, 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.				
	(a) Ground floor	SqM	1.00		
	(b) 1st floor	SqM	1.00		
	(e) 2nd floor	SqM	1.00		
	(d) 3rd floor	SqM	1.00		
12	Artificial patent stone flooring work				
	(a) 25 mm thick artificial patent stone (1:1.5:3) flooring with cement, best quality coarse sand (50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2 and 50% best local sand of FM 1.2) and 12 mm down well graded stone chips, laying the concrete in alternate panels, compacting and finishing the top with neat cement and curing at least 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer.				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(i) Ground floor	SqM	10.00		
	(ii) 1st floor	SqM	800.00		
	(iii) 2nd floor	SqM	1,100.00		
	(iv) 3rd floor	SqM	324.00		
	(b) 38 mm thick artificial patent stone (1:2:4) flooring with cement, best quality coarse sand (50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2 and 50% best local sand of FM 1.2) and 12 mm down well graded **stone chips**, laying the concrete in alternate panels, compacting and finishing the top with neat cement and curing at least 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer.				
	(i) Ground floor	SqM	10.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(i) 1st floor	SqM	1,300.00		
	(ii) 2nd floor	SqM	1,700.00		
	(iv) 3rd floor	SqM	500.00		
	(c) Supplying and fitting fixing of 5mm thick, 20mm wide glass divider.	RM	12,600.00		
13	Supplying fitting, fixing of uPVC plastic door or window frame having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in brick wall/ R.C.C wall with 6 Nos. GI clamp, 4Nos inner joint GI clamp, 2 Nos. outer GI joint clamp, 16 Nos. rivet making necessary grooves and mending good the damages, finishing, curing, carriage etc complete in all respect accepted by the Engineer.	RM	400.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
14	Supplying, fitting, fixing of uPVC hollow or solid plastic door shutter having specific gravity 1.35 - 1.45, thickness 1.7 mm-2.2 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards of different sizes fitted fixed with uPVC plastic door frame weighing 5.82 kg/m2 with at least 3 Nos. SS hinges by min 64 Nos. Ø 3.17 mm and 3.97 mm 12.7 mm long rivets, 12 Nos. 25.4 mm SS screws, Ø 9.38 mm, 150 mm long SS tower bolts 2 Nos., 146 mm SS handle by rivet 2 Nos., G.I inner joint 234.95 mm x 127 mm clamp, 76.2 mm x 57.15 mm, 25 mm dia 1 no SS haspbolt, special type round lock, carrying the same to the site and local carriage etc. complete in all respect accepted by the Engineer				
	(a) 760 mm x 2130 mm uPVC plastic shutter (solid).	Each	80.00		
15	Neat cement finishing work on green plaster surface in all places and where necessary as per drawing.	SqM	25.00		
16	Minimum 12 mm thick cement sand (F.M. 1.2) plaster with neat cement finishing to skirting/dado (1:4) with cement up to 150 mm below ground level with neat cement finishing including washing of sand, finishing the edges and corners 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.	SqM	1,200.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
17	10 mm thick finished and laying thickness 12.5 mm silver grey situ mosaic work on floor with one part of 10 mm machine crushed well graded, dust free and properly washed marble chips and one part of mixture containing white cement and grey cement in proportion (1:1) including preparation of mix and laying the same over minimum 25 mm thick artificial patent stone flooring with brick-chips (1:2:4) including making suitable panel, compacting, curing at least for 7 days, cutting with pumic stone (No. 40, No. 80, No. 120) and finishing with Minar stone including breaking brick chips, screening, washing mosaic chips and supply of all necessary materials including and water, electricity and other charges in all respect accepted by the Engineer.				
	(a) With Pakistani chips and without glass strip.				
	(i) Ground floor	SqM	125.00		
	(ii) 1st floor	SqM	125.00		
	(iii) 2nd floor	SqM	125.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
18	10 mm thick finished and laying thickness silver grey situ mosaic work on wall with one part of 10 mm machine crushed well graded, dust free and properly washed marble chips and one part of mixture containing white cement and grey cement in proportion (1:1) including preparation of mix. and laying the same on 12 mm thick cement plaster (1:4) to wall, compacting, curing at least for 7 days, cutting with pumic stone (No. 40, No. 80, No 120) including finishing the corners and edges and also finishing with Minar stone and supplying all necessary materials in and water, electricity and other charges in all respect accepted by the Engineer.				
	(a) With Pakistani chips				
	(i) Ground floor	SqM	200.00		
	(i) 1st floor	SqM	200.00		
	(ii) 2nd floor	SqM	200.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
19	Supplying, fitting and fixing steel glazed window shutter for all floors with frames as per design having 19 x 19 x 19 x 3 mm Z-section in frame and 19 x 3 mm F.I. bar for making T-section for horizontal dividers of shutters and 25 x 3 mm F.I. bar for middle vertical members of frame including all cost of charges for fabrication and manufacture by welding riveting etc. supplying all essential fittings like 2 Nos. stopper, handle, 150 mm long 3 Nos. adjustable cleats, iron pins, hinges, 150 mm long 4 Nos. clamps, for fitting frame including supplying, fitting, fixing 3 mm glass panes by pucca putty and making necessary holes in brick and R.C.C. wall or member as necessary filling with C.C. (1:2:4) and mending good the damages including all cost of carriage, electricity, workshop charges and labour in fitting, fixing etc. all complete as per drawing and design and accepted by the Engineer.				
	(a) With 3mm thick clear glass	SqM	2,000.00		
	(b) With 3mm thick forsted glass	SqM	250.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
20	Manufacturing, supplying fitting and fixing of fixed glazed frame for all floors with outer member of 19 x 19 x 19 x 3 mm Z-section and vertical and horizontal dividers of 19 x 19 x 3 mm T-section including all cost of fabrication and welding, supplying and fixing of 19 x 19 x 3 mm angle clamps of 150 mm length (with one end bifurcated) of required Nos, with the frame, fixing the frame in wall with (1:2:4) cement concrete in the hole for clamp after making necessary grooves, supplying and fixing of 3 mm glass panes with pucca putty, mending good all damages, painting iron face with two coats of synthetic enamel paint over a coat of anti-corrosive priming to approved colour and quality etc. cost of electricity, workshop charges, carriage etc. all complete as per drawing and accepted by the Engineer. [Rate is excluding the cost of painting]				
	(a) With 3mm thick clear glass	SqM	250.00		
	(b) With 3mm thick forsted glass	SqM	18.00		
21	Supplying, fitting and fixing window grills of any design made of mild steel section (20 x 3 mm) with outer frame of (25 x 6 mm) F.I. bar fabricating, welding, cost of electricity, workshop charges, carriage, fixing with pre-placed clamps in walls or RCC member, all necessary tools and plants etc complete for all floors and accepted by the Engineer.	SqM	2,800.00		
22	Supply, fitting and fixing 32mm (1 $^{1/4"}$) thick 1st class (A-type) (BFIDC made) seasoned door shutter				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(a) Solid / Panel door shutter	SqM	700.00		
23	Supplying, fitting and fixing door frame with 38mm x 38mm x 6mm M.S. angle				
	(a) For double leaf shutter	RM	350.00		
	(b) For single leaf shutter	RM	650.00		
24	White washing by three coats, lime mixture prepared at least 12 hours before use, slacking stone lime, supply of gums, blue, stirring thoroughly, removing the floating materials from the mixer, surface cleaning to free from all foreign materials before application of each coat, applying one vertical and one horizontal wash for each coat and successive coat is to be applied after drying up of previous coat including hair brass, providing necessary scaffolding and cleaning plinth, floors, doors, windows, portions and ventilators by washing, rubbing, oiling if necessary after white wash for all floors including cost of water, electricity and other charges etc. complete in all respect in all floors and accepted by the Engineer.	SqM	28,000.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
25	Painting to door and window frames and shutters in two coats with approved best quality and colour of synthetic enamel paint delivered from authorized local agent of the manufacturer in a sealed container, having highly water resistant, high bondibilty, flexible, using specific brand thinner applied by brass/roller/spray over a coat of priming elapsing time for drying including surface cleaning from dust, oil or dirt, smoothening, finishing and polishing with sand paper and necessary tools, scaffolding, testing charges etc. all complete in all floors approved and accepted by the Engineer.	SqM	1,750.00		
26	Plastic emulsion paint of approved best quality and colour delivered from authorized local agent of the manufacturer in a sealed container, applying to wall and ceiling in two coats over a coat of brand specified primer or sealer elapsing specified time for drying or recoating including cleaning drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects, sand papering the surface and necessary scaffolding, spreading by brush/ roller/spray etc. all complete in all floors accepted by the Engineer.	SqM	18.00		
27	Providing drip course or Nosing at the edge of sunshade or cornice with cement sand (F.M. 1.2) mortar (1:2) with fresh cement including scaffolding, 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.	RM	1,950.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
28	Manufacturing, supplying, fitting and fixing collapsible gate of any design and shape made of 1" x 1" x 1/8" M.S. angle placed @ 112 mm c/c vertically and connecting the same with each other by 20 x 3 mm M.S flat bar scissors 525 mm/ 600 mm long provided in 3 rows including cutting the different M.S. members to required sizes, fabricating, welding, riveting with required size rivets, providing required size wheels, pulling handles on both sides, suitable locking arrangement, electrodes, grease and finally placing the same in position in between 2 (two) Nos. 50 x 50 x 6 mm M.S. Tee rail made by welding 2 Nos. 50 x 6 mm M.S. flat bar fitted and fixed at top and bottom with R.C.C. lintel/roof slab, floors and side wall with required Nos. 150 mm to 225 mm long 38 x 6 mm M.S. flat bar clamps one end welded with the gate member and the other end bifurcated and embedded in C.C. at the respective point including cutting holes and mending good the damages by pouring concrete (1:2:4) into the holes and finishing, etc complete, painting 2 (two) coats with approved best quality synthetic enamel paint over a of anticorrosive painting, both end carriage, including greasing, electrodes, curing etc. complete as per drawing and design and accepted by the Engineer. (Rate is excluding the cost of paint).	SqM	60.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
29	Manufacturing, supplying, fitting and fixing stair railing of standard height of any design and shape with square box (2 No. box in each tread) made by thorough welding of 2 Nos. 25 x 25 x 5 mm M.S. angle, engraving each box 150 mm in the concrete by 50 x 50 x 6 mm anchor plate at base welding 50 x 50 x 6 mm F.I. bar in inclined plain with the top of the box fit in the grooved wooden rail and 2 Nos. 225 x 25 mm finished section of wooden strip fitted and fixed at mid height of railing at both side of M.S. angle box in inclined plain parallel to the hand rail etc. fitted and fixed by necessary screws, nails including cutting grooves in concrete mending good the damages with cement concrete (1:2:4) applying 1st class French polish to wooden hand rail and inclined wooden strip and painting to F.I bar and square box with 2 (two) coats of synthetic enamel paint of approved quality and colour over a prime coat etc. complete in all respect for all floors and accepted by the Engineer. (Exposed area of railing will be considered for measurement, rate is excluding cost of polishing and painting)	SqM	35.00		
30	Supply and mixing of black oxide in cement mortar for pointing work as per direction of the Engineer	Kg.	850.00		
31	Providing noising to the Nose of tread of stair including supplying 3 Nos. of 75 mm long 12 mm x 3 mm F.I. bar clamp with bifurcated ends in each treads including fitting and fixing with the angle by welding including fitting and fixing the angle by cutting grooves in R.C.C, fixing and finishing and the same with C.C. (1:2:4) etc. cost of electricity all complete and accepted by the Engineer.				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(a) Providing 1.5" x 1.5" x 1/4" M.S. angle to the nosing of steps of staircase	RM	275.00		
32	Supplying and installation of 62.50mm sizes pad lock	Each	250.00		
33	Door sill work finished with terrazzo-in-situ	RM	100.00		
34	Supplying, fitting and fixing M.S. flat bar clamp of 225 x 38 x 6 mm size having bifurcated ends to door and window frames with necessary screws and encasing inside the wall with cement concrete (1:2:4) etc. complete and accepted by the Engineer.	Each	2,150.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
35	Average 100 mm thick finished lime terracing with 20 mm down graded first class brick chips (Khoa), surki from 1st class bricks and lime (stone lime brought at site, not being powdered in open air and to be slaked in presence of engineer-in-charge and to be measured in volume three days after slaking for using in the mix) in the proportion 7:2:2 (brick chips : surki : lime) including preparation of the mix on the ground by making a suitable platform under proper polythene cover. Cutting the mix twice daily with limewater (1:10) at least for 7 days until the mix attain desirable consistency. Laying the mix in proper slope, beating the same with standard 'koppa' for minimum 7 days to gain maximum consolidation, making ghoondy and neat finishing with lime Surki mortar (1:2) and curing for 21 days providing polythene cover after each day work and cleaning etc. complete in all respect accepted by the Engineer.	CuM	120.00		
36	Supplying, fitting and fixing best quality heavy type 19 mm dia and to 300 mm long brass hasp bolt including cutting grooves in door shutter and frames, screws etc. all complete approved and accepted by the Engineer.	Each	175.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
37	Dismantling work				
	(a) Brick clading work	SqM	10.00		
	(b) 125mm thick brick work	SqM	10.00		
	(c) Brick coping work	CuM	1.00		
38	Site cleaning work after completion of all works.	L.S.	1.00		
	Total for Above Plinth Level (A.2)				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
B.	**SANITARY & WATER SUPPLY WORKS**				
1	Sanitary Equipment				
	(a) Supplying, fitting and fixing Bangladesh pattern, 570 x 445 x 290 mm long pan with foot-rest, approx. 12 kg by weight, made of Vitreous China and preparing the base of pan with cement mortar (1:4) and with wire mesh or rods, if necessary in all floors including making holes wherever required and mending good the damages and fitting, fixing, finishing etc. complete with all necessary fittings and connection approved and accepted by the Engineer.				
	(i) White	Each	40.00		
	(b) Supplying, fitting and fixing European type glazed porcelain commode "S" type 465 x 340 x 415 mm in size, approximately 14 kg by weight, plastic seat cover and preparing the base with cement concrete and with wire mesh or rods, if necessary, in all floors including making holes wherever required and mending good the damages and fitting, fixing finishing etc. complete with all necessary fittings and connection approved and accepted by the Engineer.				
	(i) White	Each	8.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(c) Supplying, fitting and fixing European type glazed porcelain low-down, capacity 10 liter, 490 x 190 x 350 mm in size, approximately 14 kg by weight, on walls by screws and F.I. bar clamps, rowel plugs, making holes wherever required and mending good the damages and fitting, fixing finishing etc. complete with all necessary fittings and connection approved and accepted by the Engineer.				
	(i) White	Each	48.00		
	(d) Supplying, fitting and fixing white glazed vitreous W/H Wash Basin 580 x 445 x 235 mm size, approx. 14 kg by weight including fitting, fixing the same in position with heavy type C.I. Brackets. 30 mm dia PVC waste water pipe with brass coupling (not exceeding 750 mm in length), basin waste with chain plug including making holes in walls and floors and fitting with wooden blocks, screws and mending good the damages, finishing etc. all complete approved and accepted by the Engineer.				
	(i) White	Each	48.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(e) Supplying, fitting and fixing single bowl stainless steel sink with sink tray size (450 x 1050 mm.) with heavy type CI steel brackets 12mm dia C.P. bib-cock 40 mm dia C.P. chain plug. 40 mm dia C.P. waste. 40 mm dia PVC waste pipe with brass coupling (750 mm length) including making hole in walls and floors and mending good the damages, finishing with 1:4 cement mortar etc. all complete approved and accepted by the Engineer. (Malaysia / Singapore / Thailand made or equivalent)	Each	3.00		
	(f) Supplying, fitting and fixing 490 x 385 x 290 mm in size European type glazed vitreous standing bowl urinal, approx. 8.0 kg by weight including fitting, fixing the same in position after making holes in walls and floors, providing 32 mm dia plastic waste pipe with brass coupling up to grading below, 12 mm dia plastic connection pipe with brass coupling, 12 mm dia brass stop cock including mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer.	Each	8.00		
	(g) Supplying, fitting and fixing glazed vitreous china flat or squatting urinal 610 x 375 x 85 mm in size, approx. 14 kg by weight with flushing inlet fitted in cement mortar (1:4) with painted cast iron body: one gallon capacity, automatic flushing cistern in each group etc. including 12 mm brass controlling valve, 32 mm dia PVC flush pipe with brass coupling, 12 mm dia plastic lead (connection) pipe including mending good the damages with 1:4 cement mortar etc. all complete approved and accepted by the Engineer.	Each	8.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
2	Sanitary Fixture works :				
	(a) Supplying, fitting and fixing super quality C.P. Towel rail of 600 mm long and 20 mm in dia with C.P. holder including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer.	Each	48.00		
	(b) Supplying, fitting and fixing of 450 x 600 mm size and 5 mm thick unframed super quality mirror with hard boards at the back with all necessary fitting including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer. (Made in Japan or equivalent)	Each	48.00		
	(c) Supplying, fitting and fixing super quality 600 x 125 mm coloured glass (plate) shelf having 5 mm thickness with fancy C.P. brackets, screws and frames including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer.	Each	48.00		
	(d) Supplying, fitting and fixing (150mm x 110mm x 40mm size) C.P. soap tray.	Each	56.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(e) Supplying different inside dia best quality uPVC pressure waste pipe having specific gravity 1.35 -1.45, wall thickness 2.7 mm - 3.4 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards, fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. complete approved and accepted by the Engineer.				
	(i) 100 mm dia uPVC 'P' or 'S' trap	Each	48.00		
	(f) Supplying, fitting and fixing 125 mm dia stainless steel floor grating in traps or in drains including making holes in walls/floors and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer.	Each	232.00		
	(g) Supplying, fitting and fixing of special coloured toilet paper holder Size (150 mm x 150 mm x 126 mm) including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer.	Each	8.00		
	(h) Supplying, fitting and fixing 300mm dia HCI bell mouth circular cone with grating	Each	20.00		
	(i) Supplying, fitting and fixing 12mm dia and 1.50 meter long G.I. pipe goose neck vent pipe	Each	2.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(j) Supplying, fitting and fixing S. Brand quality heavy type 12mm dia C.P. Bid Cock	Each	48.00		
	(k) Supplying, fitting and fixing S. Brand Special heavy duty 12mm dia C.P. Pillar Cock	Each	48.00		
3	Pipe Fixture Works				
	(a) Supplying, fitting and fixing best quality G.I. gate valve with sealant etc. complete approved and accepted by the Engineer.				
	(i) 50mm dia	Each	2.00		
	(ii) 40mm dia	Each	4.00		
	(iii) 25mm dia	Each	20.00		
	(iv) 20mm dia	Each	20.00		
	(v) 12mm dia	Each	30.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(b) Supplying, fitting and fixing Special/Fancy quality C.P. concealed/ surface stop cock with all necessary hardware and consumables approved and accepted by the Engineer.				
	(i) 12 mm CP Stop Cock for Surface Mount (medium quality)	Each	30.00		
	(ii) Angle Stop cock concealed (general)	Each	96.00		
	(c) Supplying, fitting and fixing best quality G.I. Float valve, threaded joint Pit valve etc. complete approved and accepted by the Engineer.				
	(i) 40mm dia	Each	2.00		
4	Supplying 100 mm inside dia best quality uPVC soil, waste and ventilation pipe having specific gravity 1.35-1.45, wall thickness 3.4- 4.0 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating bands, sockets etc. approved and accepted by the Engineer (length: 6000 mm each).	RM	325.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
5	Supplying 100 mm inside diameter best quality uPVC rain water down pipe fitting, fixed in position with head and shoes, bends, min.20 mm width F.I. Bar clamp and nails, and including all accessories such as round grating/domed roof grating bands, sockets approved and accepted by the Engineer.	RM	1,050.00		
6	Supplying, fitting and fixing G.I. pipe with all special fittings, such as bends, elbows, sockets, reducing sockets, Tee, unions, jam-nuts etc. including cutting trenches where necessary and fitting the same with earth duly rammed and fixing in walls with holder bats and making hole in floors, walls and consequent mending good the damages etc. all complete in all respects approved and accepted by the Engineer.				
	(a) 50mm dia	RM	30.00		
	(b) 40mm dia	RM	60.00		
	(c) 25mm dia	RM	23.00		
	(d) 20mm dia	RM	7.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(e) 12mm dia	RM	7.00		
7	Supplying different inside dia best quality CPVC pressure pipe for water supply having specific gravity 1.35 - 1.45, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, with all accessories such as Round grating/domed roof grating, bends, sockets etc. approved and accepted by the Engineer. (length: 6000 mm each)				
	(a) 12mm dia	RM	150.00		
	(b) 20mm dia	RM	200.00		
	(c) 25mm dia	RM	130.00		
	Total for Sanitary and Plumbing work (B)				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
C.	**INTERNAL ELECTRICAL WORKS**				
1	P.V.C Conduit (Concealed)				
	Supplying & installation of following size(s) of PVC pipe (Lira/Aziz or approved Equivalent Quality).				
	(a) 20mm dia wall thickness 1.5mm	RM	8,250.00		
	(b) 25mm dia wall thickness 1.5mm	RM	2,000.00		
2	Single Core Cable				
	Supply and drawing of the following PVC insulated and PVC sheathed single core cable of copper conductor of BBS/BRB/Paradise Cable or approved equivalent quality.				
	(a) 3/.029 (Type IYAL)	RM	13,750.00		
	(b) 7/.029 (Type IYAL)	RM	5,250.00		
3	Earth Continuity Conductor				
	(a) 1C-1.5mm² BYA (re) ECC Wire	RM	6,870.00		
	(b) 1C-2.5mm² BYA (re) ECC Wire	RM	2,625.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
4	Switch Board Cover				
	Supply of 3mm thick ebonite sheet cover of approved colour	SqM	12.50		
5	Concealed conduit wiring through PVC pipe (National Polymer/Aziz or approved equivalent product) with the following size(s) single-core (1C) PVC insulated and sheathed Cable (manufactured by BBS/BRB/Paradise Cable or approved equivalent quality).				
	(a) 1C-2x4mm^2 BYM cable with 4mm^2 (BYA) ECC through PVC pipe of minimum inner dia 20mm having minimum wall thickness 1.5mm	RM	200.00		
	(b) 1C-2x6mm^2 BYM Cable with 6mm^2 (BYA) ECC through PVC pipe of minimum inner dia 25mm having minimum wall thickness 1.5mm	RM	30.00		
	(c) 1C-2x10mm^2 BYM Cable with 10mm^2 (BYA) ECC through PVC pipe of minimum inner dia 25mm having minimum wall thickness 1.5mm	RM	30.00		
6	Concealed conduit wiring with the following PVC insulated and sheathed stranded cable (NYY) & PVC insulated green/ white coloured ECC wire (BYA) through PVC conduit (National polymer/Aziz or equivalent product of other reputed manufacturer) complete with fixing materials other accessories etc. as required including mending the damages good cable should be of BBS/BRB/Paradise Cable or approved equivalent quality.				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(a) 1C-4x4mm^2 (NYY) with 4 mm^2 (BYA) ECC through PVC Pipe of minimum inner dia 30mm having wall thickness of 1.5mm.	RM	200.00		
	(b) 1C-4x6mm^2 (NYY) with 6 mm^2 (BYA) ECC through PVC Pipe of minimum inner dia 40mm having wall thickness of 1.9mm.	RM	400.00		
	(c) 1C-4x10mm^2 (NYY) with 10 mm^2 (BYA) ECC through PVC Pipe of minimum inner dia 40mm having wall thickness of 1.9mm.	RM	250.00		
7	Switch/Socket (concealed)				
	Prividing & fixing of 250V, 6A (minimum) concealed type following switch / sockets of Piano type.				
	(a) 5A switch piano type (Pretty-India or approved best quality).	Each	1,100.00		
	(b) 2-pin socket piano type (Pretty-India or approved best quality).	Each	175.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
8	Distribution/Sub-Distribution/Meter/ Machine Box:				
	Supplying, fitting and installation of the following water tight totally insulated double door distribution/Sub-distribution/ Meter /Machine box of M.S. sheet duly painted with powder coating with epoxy poolymer resin on both side and having built in push type locking arrangement including metal bridges of suitable size for fixing of all electrical control devices such as SPMCB/TPMCCB (keeping the knobs outside the inner door)/bus-bar/neutral & earth links etc. complete with suitable anchoring arrangement in wall/column and keeping provision for cable inlets and exits as required (only front surface of the board will be considered for measurement)				
	(a) Box size: 300 x 250 x 125mm	Each	20.00		
	(b) Box size: 600 x 500 x 125mm	Each	7.00		
	(c) Box size: 750 x 600 x 125mm	Each	7.00		
	(d) Box size: 900 x 750 x 125mm	Each	5.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(e) Box size: 1200 x 900 x 175mm	Each	1.00		
9	Supply and fitting fixing of copper bus-bar of following dimension.				
	(a) 25 x 4.7x 250mm SP&N	Set	3.00		
	(b) 19 x 3 x 250mm TP&N	Set	7.00		
	(c) 25 x 4.7 x 300mm TP&N	Set	7.00		
	(d) 50 x 6.25 x 300mm TP&N	Set	5.00		
	(e) 75 x 6.25 x 400mm TP&N	Set	1.00		
10	Providing and fixing on a prepared board 250/500 volts grade following (SP MCB/TP MCCB/DP MCB) DORMAN SMITH (UK/ GERMANY), MEM (UK) SIMENS (USA/GERMANY)/ABB (ITALY/ GERMANY).				
	(a) 6 - 32A SP MCB (6KA)	Each	100.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(b) 16A - 63A (10KA) TP MCCB	Each	30.00		
	(c) 100A (16 KA) TP MCCB	Each	2.00		
	(d) 160A (25 KA) TP MCCB	Each	4.00		
	(e) 200A (25 KA) TP MCCB	Each	4.00		
	(f) 400A (35 KA) TP MCCB	Each	2.00		
	(g) 32A ICDP Control switch	Each	2.00		
11	Light Fittings:				
	(a) Providing and fixing of single fancy bracket light fitting consisting of half round glass shade, brass holder, base plate of required size ebonite sheet of 3mm thick, oxidized or chromium plated or nickel brass bracket, necessary wiring etc. all complete in all respect (except lamp) of the following model and as per sample approved by the Engineer-in-charge.				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(i) Crescent Cat No. CB-568-H-R-F or approved best quality	Each	70.00		
	(b) Providing and fixing of Brass batten light fitting (except lamp) with brass holder 3"x3" steel box, ebonite sheet of 3mm thick, necessary wiring etc. all complete in all respect following the Model as per sample approved by the Engineer-in-charge.	Each	130.00		
	(c) Providing and fixing of the following fluorescent tube light fitting consisting of designed acrylic sheet cover superior quality ballast, starter, holder, 18 SWG sheet steel slove enamel base necessary wiring etc. all complete in all respect of following model (except lamp) as per sample approved by the Engineer-in-charge.				
	(i) Crescent Model No. CTLS - 7 x 1 x 40W design or approved best quality.	Each	330.00		
	(ii) Crescent Model No. CTLS - 7 x 2 x 40W design or approved best quality.	Each	75.00		
	(d) Providing and fixing of concealed type spot table/garden light fitting of the following manufacturers consisting of cylindrical aluminium shade having out side stove enameled and inside anodized aluminium for reflection brass holder, earth terminal, necessary wiring with 2x0.4mm² strended PVC insulated flexible cable etc. complete (except lamp) of following model and as per sample approved by the Engineer-in-Charge.				

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(i) Crescent Cat No. CGL-36, 50.8mm dia G.I. pipe and other accessories complete or approved best quality	Each	16.00		
	(e) Basin top light (bath room fitting) (except lamp)				
	(i) Crescent Cat No. CB-476/9-644/9 or approved best quality.	Each	6.00		
	(f) Providing, fitting and fixing of the following rated fluorescent/ incandescent/ Halogen/ Sodium vapour lamp etc.				
	(i) 40W Fluorescent tube (Toshiba /Eastern/ Rangs or approved best quality)	Each	480.00		
	(ii) 100W Incandescent lamp (Philips or approved best quality)	Each	16.00		
	(iii) 60W Incandescent lamp (Philips or approved best quality)	Each	25.00		
	(iv) Energy saving lamp - 23 Watt B-22	Each	206.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
12	Fan Items:				
	Supply and installation of A.C. Capacitor type ceiling fan of following sizes.				
	(a) 1400mm Sweep GEC (Deluxe Brand) or approved equivalent quality with electric regulator (best quality).	Each	210.00		
13	Exhaust Fan :				
	Supply and installation of following axial flow A.C. Capacitor type wall mounted exhaust fan.				
	(a) 300mm sizes (Plastic body & blade foreigan made or approved best quality)	Each	30.00		
14	Fan Hook:				
	Providing & fixing of Box-type Fan clamp made of 25.4mm x 6.35mm flat bar with 16mm dia M.S. Rod hook.	Each	210.00		
15	Socket Out-let (Concealed/Surface):				
	(a) Supply and installation of 250 volts single phase 3-pin 16A/6A combined switch socket outlet (Concealed type).				
	(i) 16A, 3-pin (M.K/MEM England)	Each	90.00		
	(ii) 6A, 3-pin (M.K/MEM England)	Each	5.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
16	Calling Bell:				
	Providing and fixing of 250 volts grade wall bell (buzzer) on prepared board including required length of PVC twin flexible cord 25 watt bulb brass batten holder, bell push, ceiling rose etc. complete.	Each	10.00		
17	Underground Cable:				
	Providing and laying of the following single core (1C) PVC Insulated and PVC sheathed NYY Cable (manufactured by BBS/BRB/Paradise Cable or approved equivalent quality) in under ground trench through PVC pipe (National Polymer/Aziz or approved equivalent quality).				
	(a) 1C-4 x 185mm² NYY Cable with 95mm^2 (BYA) ECC through PVC pipe of min. dia 100mm wall thickness 3mm.				
	(i) In pucca floor	RM	20.00		
	(ii) In kutcha ground	RM	40.00		
	(b) 1C-4 x 150mm² NYY Cable with 70mm^2 (BYA) ECC through PVC pipe of min. inner dia 100mm wall thickness 3mm.				
	(i) In pucca floor	RM	20.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(ii) In kutcha ground	RM	40.00		
	(c) 1C-4 x 35mm² NYY Cable with 16mm^2 (BYA) ECC through PVC pipe of min. inner dia 50mm wall thickness 2.5mm.				
	(i) In pucca floor	RM	20.00		
	(ii) In kutcha ground	RM	30.00		
	(d) 1C-4 x 25mm² NYY Cable with 16mm^2 (BYA) ECC through PVC pipe of min. inner dia 50mm wall thickness 2.5mm.				
	(i) In pucca floor	RM	30.00		
	(ii) In kutcha ground	RM	50.00		
	(e) 1C-2 x 6mm² NYY Cable with 6mm^2 (BYA) ECC through PVC pipe of min. inner dia 25mm wall thickness 1.5mm.				
	(i) In pucca floor	RM	20.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
	(ii) In kutcha ground	RM	40.00		
	(f) 1C-2 x 4mm² NYY Cable with 4mm^2 (BYA) ECC through PVC pipe of min. inner dia 20mm wall thickness 1.5mm.				
	(i) In pucca floor	RM	20.00		
	(ii) In kutcha ground	RM	80.00		
	(g) 1C-2 x 2.5mm² NYY Cable with 2.5mm^2 (BYA) ECC through PVC pipe of min. inner dia 20mm wall thickness 1.5mm.				
	(i) In pucca floor	RM	20.00		
	(ii) In kutcha ground	RM	100.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
18	Earthing System				
	Earthing the electrical installation with 38.10mm (1.5") dia G.I. pipe (Earth electrode) having 6.35mm dia holes across the dia at 305mm interval securedly bonded with 2x2 SWG HDBC earth lead with washer, nuts, bolts etc. sunk upto undermentioned depth and protection of earth lead by 20 mm dia G.I. pipe upto plinth level run at a depth of 609.6mm (2 ft) below G.L. upto main board/test point to be earthed including necessary connecting copper sockets, bolts, nuts, including additional vertical run of 20mm dia G.I. pipe upto G.L from 609.6mm (2') depth with blind socket for water pouring facility etc. complete for maintaining earth resistance within 1 ohm etc. all complete in all respect as per direction of the Engineer-in-charge.				
	(a) Depth of bottom of Main Electrode at 25.146m from G.L. and length 24.384m (80 ft).	Set	1.00		
	(b) Earth inspection pit (sizes 600mm x 600mm x 600mm) including R.C.C. slab, top cover with hook).	Each	1.00		

Sl. No.	Description of Items in short	Unit	Quantity	Quoted Rate in Taka (Both in Figure & Words)	Quoted Amount in Taka
20	Switch Board (concealed)				
	Supply and installation of concealed 18 SWG G.P. sheet board (sample approved by Engineer-in-Charge).				
	(a) 75 x 100 x 50mm	Each	40.00		
	(b) 150 x 100 x 50mm	Each	10.00		
	(c) 200 x 150 x 50mm	Each	20.00		
	(d) 200 x 300 x 75mm	Each	30.00		
	(e) 300 x 300 x 75mm	Each	100.00		
	(f) 400 x 300 x 75mm	Each	5.00		
	Total for Internal Electrical Works (C)				