

Good Neighbors Bangladesh

Name of Work : Construction of 3 Nos Girl-Friendly Toilet with Rest room: Especially for Adolescent Girl (with Civil, Sanitary, Electrification & Running water supply etc) at Pekua upazila in Cox'sbazar District under RER project during the year 2024.

Division/District : Cox's Bazar

1	2	3	4	5	6
Part "A" Civil Works : (All the items include VAT, Tax & profit)					
Sl. No.	Description of Works	Quantity	Unit	Rate in Taka	Amount in Taka
1	Providing Site preparation, Layout and demarcating lines ,Project Profile (6'x3') existing ground level (EGL), formation ground level (FGL), highest flood level (HFL), plinth level (PL). Setting and marking all pillars, markers, pegs etc. showing and maintaining reduced levels (RLs) including locating, establishing, protecting all public utilities within the premise of work and finally all to be presented in black and white etc. All complete as per direction and guidance of the Engineer in Charge.	84.00	m ²	21.18	1,779.12
2	Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract.	27.84	m ³	360.00	10,022.40
3	Earth filling in foundation trenches and plinth in earth available within 90 m of the building site to achieve minimum dry density of 95% 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 Engineer-in-charge.	2.14	m ³	245.43	525.22
4	Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge.	11.00	m ³	1,328.00	14,608.00
5	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks (BDS 208) including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge.	28.45	m ²	634.00	18,037.30
6	Supplying and laying of Single layer polythene sheet weighting one kilogram per 6.5 square meter in floor or anywhere below cement concrete complete in all respect and accepted by the Engineer .	28.45	m ²	52.40	1,490.78
7	Reinforced cement concrete works with minimum cement (SHAH,Holcim) content relates to mix ratio 1:2:4 having maximum water cement ratio = 0.45 and minimum f'cr = 26 MPa, satisfying a specified compressive strength f'c= 19 MPa at 28 days on standard cylinders as per standard practice of Code ACI / BNBC, cement conforming to BDS EN-197-1-CEM-I, 52.5N, best quality 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.	6.40	m ³	10,403.00	66,579.20
8	Supplying, fabrication and fixing to detail as per design : ribbed or deformed bar (BSRM,AKS) reinforcement (excluding laboratory test fees) for Reinforced concrete, produced and marked in accordance with BDS ISO 6935-2:2016 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires, conducting necessary laboratory tests etc. (excluding splices or laps) complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while dia of bars exceeds its standard) Grade 500 (B500DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar	420.00	KG	118.00	49,560.00

Sl. No.	Description of Works	Quantity	Unit	Rate in Taka	Amount in Taka
9	Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in Foundation, Pillar, Grade Beam and plinth , filling the joints/interstices fully with mortar, racking out the joints, cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M)	10.19	m ³	9,112.00	92,851.28
10	Brick works of width one brick or one and a half brick length of first class bricks with 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-in-charge. (Cement: CEM-II/B-M) In ground floor	5.79	m ³	9,747.00	56,435.13
11	Supplying, fitting and fixing country made floor tiles (RAK/Great wall/CHARU COTTO) homogeneous matt finished/ rustic floor tiles complying BDS ISO 13006: 2015, water absorption ≤ 0.5%, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including cutting and laying the tiles in proper way and finishing with care etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) Matt or rustic floor tiles of size 400 mm x 400 mm and below	20.00	m ²	1,714.00	34,280.00
12	Supplying, fitting and fixing country made glazed Wall Tiles (RAK/Great wall/CHARU COTTO) Supplying, fitting and fixing country made glazed wall tiles complying BDS ISO 13006: 2015, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including cost of water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). Wall tiles more than 250 mm x 330 mm & less than or equal to 250 mm x 400 mm in sizes	62.00	m ²	1,583.00	98,146.00
13	Supplying, fitting and fixing 20 mm to 25 mm thick machine made cement parking tiles having minimum compressive strength of 27 MPa, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and making the joints carefully in true straight line including cutting, laying and hire charge of machine and finishing with care etc. including water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M).	6.50	m ²	1,338.00	8,697.00
14	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to both inner-and outer surface of wall, finishing the corner and edges including washing of sand, cleaning the surface, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M)	68.00	m ²	313.00	21,284.00
15	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, curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M)	35.00	m ²	333.00	11,655.00
16	Minimum 12 mm thick cement sand (F.M. 1.2) plaster with neat cement finishing to plinth wall with cement (1:4) up to 150 mm below ground level including washing of sand, finishing the edges and corners and curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M)	12.00	m ²	421.47	5,057.64

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Sl. No.	Description of Works	Quantity	Unit	Rate in Taka	Amount in Taka
17	Manufacturing, supplying, fitting and fixing M.S. collapsible gate of any design and shape made of 20 mm x 20 mm x 3 mm M.S. angle placed @ 112 mm c/c vertically and connecting the same with each other by 20 mm 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 mm x 50 mm x 6 mm M.S. tee rail made by welding 2 nos. 50 mm 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 mm 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 coat of anticorrosive painting, both end carriage, including greasing, electrodes, curing etc. complete as per drawing and design and accepted by the Engineer-in-charge.	3	m ²	5,762.00	17,286.00
18	Supplying fitting & fixing of Steel big almira Size: 6'x4' including color and attached color logo (Steel Plate) 22-24 Gauge.	1	Each	20,070.00	20,070.00
19	Supplying fitting & fixing of uPVC plastic door (RFL Komando Door Trigon) fitted and fixed in brick wall with 6 Nos. GI clamp, 4 nos 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 as per design and direction of the Engineer.	2.00	Each	13,937.50	27,875.00
20	Supplying fitting & fixing RFL Cosmic Door Unique (size 760 mm x 2130 mm) fitted and fixed in brick wall with 6 Nos. GI clamp, 4 nos 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 as per design and direction of the Engineer.	2.00	Each	13,937.50	27,875.00
21	Supplying, fitting and fixing steel glazed Window shutter for all floors with frames as per design having 25 x 25 x 5 mm angle section for Chowkat and shutters and 50 x 25 x 5 mm T- section used for vertical member and 25 x 5 mm F.I. bar for making box (combining with angle) and 25 x 19 x 5 mm Tee used for glass divider etc. including all cost of charges for welding, riveting etc. supplying all essential fittings, like iron hinges, plate handle, pin-stopper, adjustable cleat and clamps, fitting and fixing the frame including. supplying, fitting, fixing 18 BWG MS Sheet by pucca putty and making necessary holes in walls and R.C.C works and necessary fitting with C.C. (1:2:4) and mending good the damages including. all cost of carriage, workshop charges, electricity, and labour for fittings, fixing, curing etc. all complete and accepted by the Engineer.	2.00	Each	7,000.00	14,000.00
22	Supplying, fitting and fixing window grill made of 12 mm x 12 mm M.S. solid bar @ 100mm c/c with outer frame of 38 mm x 6mm F.I. bar and 25 mm x 6 mm F.I. bar for clamp as per design including fabrication, welding, cost of electricity workshop charges, labour charges for fitting and fixing grills in position, local carriage charges, cutting grooves, mending good the damages, tools and plants, finished with anti-corrosive painting (Red-Oxide) etc. complete for all floors approved and accepted by the Engineer-in-charge. (Total weight per sqm should be approx. 19 kg and add or deduct @ 100.00 for each kg/sqm excess or less respectively)	2.00	m ²	1,900.00	3,800.00
23	Supplying, fitting and fixing High window grill made of M.S. section approx 25x6mm outer frame and approx 20x5mm inner member as per drawing and design approved and accepted by the Engineer. (Total weight per sqm should be min 14 kg). (Rate is excluding the cost of enamel paint but inclusive of anti corrosive red/gerly oxide paint).	2.00	m ²	4,560.00	9,120.00
24	Supplying, fitting and fixing of 12 mm dia of 2.65 mm thick G.I pipe stair railing of standard height and design and shape with 50 mm x 50 mm x 6 mm M.S. plate at the base of 12 mm dia G.I. Pipe and fitting & fixing by welding. Placing the pipes vertically @ 125 mm c/c (2 nos. in each steps) 150 mm embedded into the R.C.C tread of stair case after cutting grooves and mending good the damages with C.C. and providing 50 mm dia of 3.20 mm thick G.I. pipe hand rail on the top of vertical G.I. pipe, applying 2 (two) coats of synthetic enamel paint of approved quality and color over an anti-corrosive prime coat etc. all complete in all respect for all floors and accepted by the Engineer-in-charge.	5.47	m ²	5,639.00	30,845.33

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25	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.(Cement: CEM-II/A-M)Ground floor.	41.45	RM	120.00	4,974.00
26	Approved best quality and colour(White) synthetic polyvinyl distemper (Berger) delivered from authorized local agent of the manufacturer in a sealed container, applying to wall and ceiling with surface preparation including cleaning drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects using sand paper and necessary scaffolding; applying 1 coat of interior sealer of specified brand on prepared surface; then applying 1 coat of interior putty of specified brand for levelling, spot filling, crack filling and cutting by sand paper/zero water paper; finally applying 2 coats of synthetic polyvinyl distemper spreading by brush/roller/spray & necessary scaffolding etc. up to desired finishing, elapsing specified time for drying or recoating; all complete in all floors and accepted by the Engineer-in-charge.	54.00	m ²	236.38	12,764.52
27	Painting to door frames and shutters, window grills, frames and shutters and collapsible gate, outside dado wall and roof cornice in 02 coats with approved best quality and colour Synthetic Enamel Paint (Berger) delivered from authorized local agent of the manufacturer in a sealed container, having highly water resistant, high bondibility, 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 of dirt, smoothening, finishing and polishing with sand paper and necessary tools, scaffolding etc. All complete as approved and accepted by the Engineer	20.30	m ²	234.00	4,750.20
28	25 mm thick artificial patent stone (1:2:4) with cement, best quality coarse sand (50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2 and 50% best quality 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 for 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M)	37.00	m ²	655.62	24,257.94
29	On exterior surface applying as per manufacturer instructions 03 coats of Weather Coat (Berger) of approved quality and colour(Outer side=old gold color & roof slab edge= Tangerine color) delivered from authorized local agent of the manufacturer in a sealed container complete in all respect in al floor as accepted by the Engineer.*	63.40	m ²	468.00	29,671.20
30	Providing 600 mm wide Apron with 63.5 mm avg. thick cement concrete (1:2:4) with cement, coarse sand and picked jhama chips including breaking chips and one layer brick flat soling at bottom with first class or picked jhama bricks including cutting earth for preparation of bed and filling the interstices with local sand (FM 0.8) including finishing, dressing, curing at least for 7 days etc. all complete, including cost of water, electricity, other charges accepted by the Engineer. (Cement: CEM-II/A-M)*	10.00	m ²	892.00	8,920.00
Sub -Total Part-A =					727,217.26
B.	Part "B" Sanitary & Plumbing Work's (All the items include VAT, Tax & profit) :				
B1.	Sanitary Fittings with Fixures & Plumbing Work's (All the items include VAT,				
31	Supplying, fitting and fixing Nova Asian Pan (White) Brand : Rosa , Long Pan Size: 400mm x 550mm x 395mm with foot-rest, made of Vitreous China and preparing the base of pan with cement motor (1:4) and with wire mesh of rods, if necessary in all floor 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.	2.00	Each	1,650.00	3,300.00
32	Supplying, fitting and fixing of having a capacity of 10 Liter CHARU Water Tank CM15 (White) and size 390x200x345 mm in size approximately on walls by screws and FI 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	2.00	Each	3,600.00	7,200.00
33	Supplying, fitting and fixing of VOLGA Single Piece Commode (ROSA) Water Closet with S-Trap of White and size of approx. 700 x 365 mm including seat cover with soft closing, cistern system, water Tank, Dual Flush, mending good the damages and fitting, fixing, finishing etc. complete with all necessary fittings and connection approved and accepted by the Engineer- in- charge.	1.00	Each	22,000.00	22,000.00

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Sl. No.	Description of Works	Quantity	Unit	Rate in Taka	Amount in Taka
34	Supplying, fitting and fixing glazed vitreous Wash Basin CHARU COTTO,Ivory White Brio C0141 including pedestal size: 540x440x850 mm, 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 as approved and accepted by the Engineer.Special Color.	2.00	Each	5,500.00	11,000.00
35	Supplying, fitting and fixing of 12 mm dia, 600 mm long plastic flexible lead (connection) pipe	2.00	Each	70.00	140.00
36	Supplying, fitting and fixing of best quality Single Lever Moving Pillar Cock all complete as approved and accepted by the Engineer.	2.00	Each	2,100.00	4,200.00
37	Supplying and fitting-fixing hand / push shower for abluion including holder etc. all complete approved and accepted by the Engineer- in- charge.	3.00	Each	500.00	1,500.00
38	Supplying, fitting and fixing of best quality Twin bib cock including uPVC, GI Nipple etc. All complete as approved and accepted by the Engineer.	4.00	Nos.	2,100.00	8,400.00
39	Supplying, fitting and fixing 100 mm dia uPVCTrap ('P' Trap or 'S' Trap) and uPVC door bend/tee including making holes in walls and floors and mending good the damages etc. All complete approved and accepted by the Engineer..	3.00	Each	600.00	1,800.00
40	Supplying, fitting and fixing 125 mm dia S.S Gratings in traps or in drains with cement mortar (1:4) including making holes in walls and floors and mending good the damages etc. all complete as per direction of the Engineer in charge.	4.00	Each	400.00	1,600.00
41	Supplying, fitting and fixing of 450 x600 mm size and 5 mm thick unframed super quality Mirror and 10 mm Glass Selves with hard boards at the back with all necessary filling including making holes in walls and mending good from damages with cement mortar (1:4) etc. All complete approved and accepted by the Engineer.	2.00	Each	1,700.00	3,400.00
42	Supplying, fitting and fixing super quality Towel rail of 600 mm long and 20 mm in dia with 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.	2.00	Each	900.00	1,800.00
43	Supplying, fitting and fixing super quality Triangular Towel rail in dia with 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.	2.00	Each	350.00	700.00
44	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.	3.00	Each	800.00	2,400.00
45	Supplying, fitting and fixing size L 165 x W 125 x H 110MM Made from highly shiny grade ABS material good quality Easy to install, load & use Made with state of art technology & unique design. soap tray including making holes in walls and mending good the damages with cement mortar (1:4) etc. all complete approved and accepted by the Engineer.	5.00	Each	328.00	1,640.00
46	Supplying, fitting and laying up to depth of 100 mm inside dia best quality uPVC C-grade Soil Pipe having specific gravity 1.3-1.45, 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 etc. All complete approved and accepted by the Engineer.. uPVC soil pipe 100 mm dia. wall thickness 4.50-5.20 mm	2.00	RM	700.00	1,400.00
47	Supplying, fitting and laying up to depth of 150 mm inside dia best quality uPVC C-grade Soil Pipe having specific gravity 1.3-1.45, 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 etc. All complete approved and accepted by the Engineer.. uPVC soil pipe150 mm dia. wall thickness 6.60 - 7.60mm	7.60	RM	1,800.00	13,680.00
48	Supplying 150 mm inside dia best quality uPVC C-grade Soil Pipe having specific gravity 1.35-1.45, wall thickness 3.50-3.70 mm, and other physical, chemical, thermal, fire resistivity properties etc. as per BSTI approved manufacturer standard or ASTM, BS/ISO/IS standards fitted and fixed in position with sockets, bends, of uPVC Pipe with all accessories such as Round grating / domed roof grating bands, sockets etc. All complete approved and accepted by the Engineer.	13.50	RM	432.00	5,832.00
				Sub-Total of B1 =	91,992.00

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Sl. No.	Description of Works	Quantity	Unit	Rate in Taka	Amount in Taka
50	Construction of septic tank of Different sizes with of brick work in cement mortar (1:6) having a lining fo minimum 125 mm R.C.C cast against the walls as per approved type plan over a brick flat soling and 150 mm thick reinforced cement concrete flooring (1:2:4) with 125 mm thick walls in partition and 12 mm thick cement plaster (1:4) with N.C.F. to insides of Walls on floor and all around outside walls by 18" height at top including supplying fitting and fixing of two R.C.C Tees and providing 450 mm dia water sealed heavy type C.I. manhole cover with locking/unlocking arrangement and 100 mm thick R.C.C. (1:2:4) top slab, including centering Shuttering, fabricating, casting and curing etc.complete up to required depth including necessary earth works in excavation and shoring, bailing out water and side filling including the cost of all materials, operations and incidental charges etc. all complete as per type plan approve and accepted by the Engineer.	1.00	Nos.	160,000.00	160,000.00
51	Construction of Soak well of different sizes (medium and large sizes) with 250 mm thick solid brick wark and 250 mm honey comb brick works with cement mortar(1:6) as per design over R.C.C. (1:2:4) well curb with 1% reinforcement up to the required depth with graded khoa and sand including supplying and fabricating M.S. Rod, casting, curing including necessary earth work in excavation, side filling and bailing out water including cost of alla materials etc. all complete as per drawing, design approved and accepted by th Engineer. (Rate is including cost of reinforcement and its fabrication, binding and placing).	1.00	Nos.	120,806.08	120,806.08
52	Constructin of masonry inspection pit with 250 mm thick brick work in cement mortar (1:4) including necessary earth work, side filling and one layer brick flat soling. 75 mm thick (1:3:6) base concrete for making invert channel and 12 mm thick (1:2) cement plaster with neat finishing etc. all complete up to a depth of 700 mm approved and accepted by the engineer. clear 520x525 mm and depth 675 to 825mm, average 750 mm for single 225 mm dia R.C.C. pipes and 400 mm PVC pipe.	2.00	Each	3,000.00	6,000.00
				Sub-Total of B2 =	286,806.08
				Total (B1+B2) =	378,798.08
C.	INTERNAL ELECTRIFICATION (All the items include VAT, Tax & profit) :				
	CONCEALED CONDUIT WIRING				
53	Concealed conduit wiring supplying, fixing & fitting etc. all complete for the following point looping at the switch board with earth terminal including circuit wiring with 1C-2X1.5 sqmm PVC insulated cable (BYA) & 1.5 sqmm PVC insulated green / white coloured ECC wire (BYA) through PVC conduit (Lira brand or equivalent product of other reputed manufacturer) of minimum 20 mm dia & 1.5 mm wall thickness 18 SWG GP sheet, switch board and pull box with 3 mm thick ebonite sheet cover, 5 amps, piano switch, ceiling rose, fixing materials etc. as required (all electrical contacts shall be of brass / copper) mending the damages goods.				
	(a) 20mm dia, 1.5mm Thick PVC pipe for conceal conduting	20.00	m	30.00	600.00
	(b) Double core insulated electric wire (3/20) (Estern/BRB/Paradise/eqivelant) for internal connection	22.00	m	90.00	1,980.00
	(c) Light points and multi holder (screw & pin)	6.00	Point	600.00	3,600.00
	(d) Transtec Backup LED Bulb 12W Pin Type.	6.00	Point	700.00	4,200.00
	(e) Exhaust Fan, Rated Voltage: 220 Volt,40 Watt,50Hz,1250 R.P.M.	3.00	Nos	1,500.00	4,500.00
54	SP CIRCUIT BREAKER				
55	Supplying, fixing & fitting etc. all complete on a prepared board 250V, 50 Hz, grade following single pole miniature circuit breaker (SPMCB) having minimum breaking capacity 6 kA with thermal over current and instantaneous electromagnetic short circuit release provision. with SPMCBs of AEG (Germany) Dorman Smith (England) MEM (UK), SIEMENS / USA/ Germany or equivalent approved by the Engineering in charge. 5 Amps	1.00	Nos	400.00	400.00
56	GANG SWITCH				
	Supplying ,fixing & fitting etc. all complete using 250 volts. 5 amps (minimum) concealed type following switch / switch socket mounted on required size 18 SWG galvanized plain sheet board of 76.2 mm (3") depth all electrical contact shall be brass / copper gang switch of following brand & country of origin. (MK England or equivalent product as approved by the Engineering in charge.				
	Gang switch	10.00	Nos	250.00	2,500.00
	2 & 3 pin multi socket with switch	2.00	Nos	400.00	800.00

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Sl. No.	Description of Works	Quantity	Unit	Rate in Taka	Amount in Taka
57	Double core insulated electric wire (7/20) (Estem/BRB/Paradise) for connection with electric service from Main power supply to SDB and Pump. All complete as per standard practice and accepted by the Engineer in charge.	25.00	m	150.00	3,750.00
				Sub-Total C=	22,330.00
Water supply with submersible pump (All the items include VAT, Tax & profit): Average Depth: 228m maximum					
58	Transportation of all kinds of necessary materials including deep well materials, equipment, tools and plants, casing pipe to the work site, construction of derrick and dismantling the same, cleaning the site after completion of the work as per specification & direction of the Engineer in charge.	1	No.	4,467.66	4,467.66
59	Boring by water jet method or any adequate/easy method to install 100 mm- 50 mm dia. deep well water includes supplying of GI boring pipe, associated materials & equipment to boring, collection of soil sample an interval of 3m in a white polythene bag/wooden compartmental box including preparation of bore log in the field and supplying and installation of GI pipe, uPVC pipe, Robo screen , sand trap, solvent cement . socket adapter etc. (all according to BS-3505,1968) to the boring site and done the installation completely as stated below as per direction of Engineer-in-charge. (This item Includes supplying and installation of all material with cost, labour charge, carrying charge with VAT & Tax & profit)				
	a) From 0.0 m to 1 m GI Pipe, 100 mm dia. & thickness 6 mm	1.00	m	777.00	777.00
	b) From 1 m to 70 m (100 mm dia. uPVC Pipe class `D`)	85.00	m	777.00	66,045.00
	c)From 70 m to 126 m (50 mm dia. uPVC Pipe class `D`)	71.00	m	210.00	14,910.00
	d)From 126 m to 176 m (50 mm dia. uPVC Pipe class `D`)	65.00	m	210.00	13,650.00
	e) PVC reducer (100 mm dia. To 50 mm dia. class `D`)	1.00	no.	500.00	500.00
	f) Robo screen uPVC (100 mm dia. Class `E`)	6.00	m	794.00	4,764.00
	g) Sand trap-class `D` BS-3505,1968,1.00m long 38 mm dia. including PVC end cap in one end and socket in another end with fitting and fixing in proper position etc. all complete as per specifications and direction of the Engineer in Charge.	1.00	no.	550.00	550.00
60	Complete development of the deep well by mechanical pump to obtain sand & turbidity free water at a satisfactory yield, etc. all complete as per specifications and direction of the Engineer in Charge.	1.00	LS	96,000.00	96,000.00
61	Preparation and making shrouded by coarse sand/sylhet sand (FM greater than 2.5) around the deep well fixtures with supply of designed graded pea gravels free from any substance harmful to pipe and health confirmed by test including seiving, washing etc.all complete as per specifications and direction of the Engineer in charge.	0.25	m ³	2,500.00	625.00
62	Supplying and installation of Submersible Pump (RFL) premium quality with two years guarantee, delivery 25 mm dia.) to draw water at roof tank from TW, capacity 2 horse power as per standard specification, carrying, fitting & fixing (by 10 no. G.I./14 no. Copper wire) within TW and suction & delivery pipe, commissioning etc. all complete as per specifications and direction of the Engineer in charge.	1.00	each	19,000.00	19,000.00
63	Protection for Submersible Pump by making 2'-4"(Outside Length) x2'-4"(Outside Width) x 1'-6" (Height) by making 125mm brick wall supported on single layer 250mm brick wall. Constructed Masonry Box to be covered by 75mm slab on top. Outside of the box requires to be plastered. All complete as per instruction and direction of the Engineer in Charge.	1.00	LS	3,000.00	3,000.00
64	Supplying, fitting and fixing Special grade/thread PPR pipe 32 mm dia as column pipe each 3.0 m long having one end socket and another threaded etc. using necessary Tee's, bends, L-bows and sockets and fitted in position with all necessary accessories etc. all complete as per as per standard practice and accepted by the Engineer in charge.	30.00	m	200.00	6,000.00
65	Food-grade plastic internal mini water tank (Gazi) for emergency storage and supply of water 1000 liters capacity manufactured from liner low density polythylene (ILDPE) roto grade (ultra violet) established which complies FDA(Federal Department of Agriculture,USA) (Fazi)/regulations 21 CFR 1277, 152 having food grade quality where no recycled materials is used, union socket, bend nipple, over flow pipe and all accessories need for fitting & fixing in roof position,carrying & lifting to the site & position as per direction of Engineer in charge.	1.00	Each	10,000.00	10,000.00
66	Supplying and fitting, fixing a flunge of 100 mm dia. and 4 mm thick M.S plate having one hole for easy setting of 25 mm dia. uPVC suction pipe and for pump cable and copper heavy wire etc. all complete as per requirement and accepted by the Engineer in charge.	1.00	no.	200.00	200.00

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Sl. No.	Description of Works	Quantity	Unit	Rate in Taka	Amount in Taka
67	Electric Surface wiring for the following points looping at the switch board with earth terminal including circuit wiring with 2c-1.5 sq.mm PVC insulated and sheathed cable (BYFYE) with PVC batten complete with 18 SWG GP Sheet switch board with 3 mm thick ebonite sheet cover, 5 amps. wall switch, socket etc. including fixing materials, others accessories etc. all complete as per specifications and direction of the Engineer in charge.				
	a) Combined socket supply and installation	1.00	no.	1,200.00	1,200.00
	b) Circuit breaker 10 amps.	1.00	each	400.00	400.00
68	Making sanitary seal 600 mm X 600 mm X 150 mm with mass concrete (1:2:4) with Sand (F.M. 1.8) and picked jhama chips including breaking chips, screening, mixing, laying, compacting to levels and curing for at least 14 days etc. all complete in/c as per direction of Engineer-in-charge.	0.08	m ³	10,000.00	800.00
	a) 25 mm dia.	10.00	m	120.00	1,200.00
	b) 19 mm dia.	20.00	m	120.00	2,400.00
69	Groove cutting in brick work including cost for concealing of pipe work in brick wall by cutting groove in wall by any means carefully without damaging the structure and filling the grooves with C.C (4:2:1) after laying of pipe including cost of scaffolding, finishing, curing etc.	30.00	m	250.00	7,500.00
70	Supplying different inside dia PPR pressure pipe C-Grade / Having density 1350 kg/m ³ , opacity 0.2% of visible light as per ISO 7686, minimum required strength 25 MPa conforming to BDS-1:2013, 4.4.1, 4.4.2 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) 37 mm dia wall thickness 3.7 mm - 4.3 mm	15.00	m	200.00	3,000.00
71	Supplying, fitting and fixing best quality G.I. gate valve with sealant etc. complete approved and accepted by the Engineer in charge.				
	a) 25 mm brass gate valve	4.00	Nos.	300.00	1,200.00
	b) 40 mm brass gate valve	2.00	Nos.	300.00	600.00
				Sub-Total D=	258,788.66
E.	Others (All the items include VAT, Tax & profit):				
72	Supplying and installation of Stainless Steel and wood finish_color bed (HATIL Hospital Duet-103) Size 1860 x 600 x 750, Moving bed is made of high-quality stainless steel and it won't rust. The most comfortable fabric has been chosen to manufacture this moving bed.	1.00	Item	27,000.00	27,000.00
73	Inscribing (writing) the name of the Project and other necessary information in English on outside front face of the Public toilet with approved quality Marble stone (Italian Karaka, special quality), size 12"x18", Thickness 15mm, color white and others according to the direction of the Engineer-in-charge.	1.00	Item	2,200.00	2,200.00
74	Supplying, fitting and fixing printed pvc board informative sign of the size 10" x 15" to be placed at as per direction.	2.00	Each	1,250.00	2,500.00
75	Supply, Fitting and Fixing printed pvc board informative sign of the Size 15"x12" to be placed at as per direction.	1.00	Each	2,000.00	2,000.00
76	Water Purifier-Unilever Pureit Classic , Capacity: 23 L	1.00	Each	6,100.00	6,100.00
77	Unilever Germkill Kit - Classic GKK 3000Ltr	1.00	Each	1,700.00	1,700.00
78	Vision Drinkit Stand (3 Step)	1.00	Each	1,200.00	1,200.00
79	RFL Moushumi Jug 2.2L and Italiano Smart Glass Lilac	1.00	Each	630.00	630.00
				Sub-Total E=	43,330.00
Summary of Public toilet Unit Estimate (Running water supply using Submersible pump) (All the items include VAT, Tax & profit):					
A.	Civil Works of Building				727,217.26
B.	Sanitary & Plumbing Work's				378,798.08
C.	Internal Electrification				22,330.00
D.	Running water supply using Submersible pump				258,788.66
E.	Others				43,330.00
				Total cost of 01 no Public Toilet Taka=	1,430,464.00
				Total cost of 3 no Public Toilet Taka=	4,291,392.00
In word Taka: Fourteen Lac Thirty Thousand Four Hundred Sixty-four Taka Only.					



Md. Shamim
Technical Coordinator (Civil Engr.)
RER Project
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