


Project Name: Enhancing the Protective Environment for Children and Adolescents in Host Community in Cox's Bazar

Installation of Sanitary Toilets for Host Communities at Ukhia upazila in Cox's Bazar.


SL. No	Description	Unit	Quantity	Rate (BDT)	Amount (BDT)	Rate Reference
1	Earth Excavation Work in all kinds of soil for foundation trenches including layout, providing center lines, local benchmark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in very stiff (hard) clayey soil/ rubbish etc.	Cum	1.73			Local Field Rated
2	Sand Filling in foundation trenches in raising toilet plinth and stair with sand having F.M. 0.5 to 0.8 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge.	Cum	0.55			Local Field Rated
3	Supplying and laying of Single Layer Polythene Sheet weighting one kilogram per 6.5 square meter in floor or any where below cement concrete complete in all respect and accepted by Engineer-in-charge.	Sqm	1.49			Local Field Rated
4	Mass Concrete(1:2:4): (Size-4'-0"x4'-0"x2.5") in foundation or in floor with cement, sand and brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by Engineer-in-charge. (Cement: CEM-II/A-M)	Cum	0.11			Local Field Rated
5	250mm Brick Work: For Mid Structure (Down Base wall 10 inch, 6" height surrounding the whole area of latrine & tread of stair which is 3" height)	Cum	0.25			Local Field Rated
6	125mm Brick work: For Mid Structure (5 inch brick wall under PL, 1' height surrounding the whole area of latrine & 5" height two side wall of stair).	Sqm	2.06			Local Field Rated
7	Plastering & Net finishing : Minimum 12 mm thick cement plastering using mortar ratio (1:4) including skirting plastering at floor, inner surface and outer surface, finishing the corner, kobra & top-surface of wall. the work includes screening of sand cleaning the surface, scaffolding and curing at least for 7 days, water/electricity/other charges and as per drawing and instruction of the Engineer in-charge.	Sqm	4.83			Local Field Rated

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8	Pre-cast Pillar Front Side & Back Side Size 4" X 4" x10'=2 nos, 4"x4"x9.5'=2	Nos	4			Local Field Rated
9	Pre-Cast Ring: Inner Diameter of pit is 2'-6" (30") and outer side wall thick is 1.5" and 1 ft Ring height, have to use 6# GI Wire	Nos	10			Local Field Rated
10	Clay Capping: Clay capping or lining up to the plinth level around the superstructure to prevent soil erosion during floods or heavy rains.	LS	1			Local Field Rated
11	RCC Pre-Cast Slab : Diameter-2'-9"/ 33" with 2" thick over well with fresh portland cement (Cement: CEM-II/A-M), sand FM 1.2 & 19 mm down well graded 1st class or picked jhama brick chips conforming ASTM C-33 including breaking chips, screening to remove surki and small particles. All complete as per design and acceptance of the Engineer in Charge.	Nos	2			Local Field Rated
12	Wood Work (Gorjon/Mehgani/Equivalent): Supplying and making door frames, Rafrer, Purlin, Fencing walls, grab bar (beside commode) etc. with matured seasoned wood of required size. Painting two coats of coal tar to the surface in contact with wall. Timber used for wood work shall be well seasoned, kiln dry containing not more than 8% to 12 % moisture so as to ensure minimum tendency towards warping, shrinking and swellings. It shall be free from all defects such as large or loose knots, shakes, saps, upsets, wane edge and twisted fiber. It shall also be free from all disease such as decay, wet rot, dry rot and woodworms and white and timber should be finished to the exact dimension shown on the drawing or as per Engineer direction.	Cft	03			Local Field Rated
13	Plastic sheet Corrugated, 1mm transparent Sheet which Length 7'-0" and Lapping Both Side 6"	Nos	0.5			Local Field Rated
14	Supply and installation of 0.26 mm Thick Corrugated Galvanized Iron Colour Sheet (Bangladesh made) having min weight 63-65 kg per bundle (2'-6" width, 7ft long) for roof work fitted and fixed on M.S. sections with 'J' hook or wooden purlin with screws, limpet washers and putty etc as per direction of Engineer-in-charge.	Nos	2			Local Field Rated
15	C.G.I Sheet Corrugated, 0.26 mm Green Color CGI sheet for wall fencing work (CGI Sheet which lapping both 2") 6nos of 6.5' height, 2'-8" width & 01nos of 7' height, 2.5' width.	Nos	7			Local Field Rated
16	Hand Railing: Railing on left/Right side Depend on Situation of stair with 3ft long post including 6" base part to feasibility of PWD and Bamboo Railing and Post must be paint by Enamel Paint and person with special category all complete and accepted by the Engineer-in-charge.	Rft	35			Local Field Rated
17	Supplying best quality SATO pan with V-Trap for convert Twin pit latrine solution or Commode Chair for person with disabilities where need.	Nos	1			Local Field Rated


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18	Supplying 50 mm inside dia best quality uPVC Ventilation pipe with cowl over win pit. approved and accepted by the Engineer-in-charge.	Rm	4.27			Local Field Rated
19	4" dia PVC/ Upvc Pipe (thick. 2.7 mm, Brand- Smart/Nazrul/ Bashundhara)	Rm	3			Local Field Rated
20	Supplying, fitting and fixing of standard size PVC soap Case including making holes in walls. all complete approved and accepted by the Engineer- in- charge.	Nos	1			Local Field Rated
21	Supply and install a Plastic Net in ventilation of two Side wall fencing ensuring comfortable inner environment, all complete work as per the directions of the Engineer in charge	Nos	2			Local Field Rated
22	Visibility: Supplying, fitting & fixing Visibility with proper information. PVC Board Size 12"x10" with attached Good Quality Sticker. Approved by Engineer -in-Charge.	Each	1			Local Field Rated
23	MS Support bar: Supplying, fitting & fixing visibility with 12 mm MS bar after 1 coat red oxidizing both side with tiding rope/ GI wire which approved by Engineer -in-Charge.	Each	2			Local Field Rated
23	Other supplies & accessories supplying, fittings & fixing:					
a.	Stud Nail (62.50mm)	Kg	2			Local Field Rated
b.	Nail of Different Size	Kg	1.5			
c.	Screw-Washer 2" Door	Nos	24			
d.	Hinges	Nos	4			
e.	Screw for Hinges	Dozen	2			
f.	6" Sitkini Good Quality and 10" Chain	Nos	2			
g.	Door Handler for door lock inside and outside	Nos	2			
h.	Mason/Carpenter cost	Nos	2			
i.	Labor cost	Nos	3			
j.	All kind of Materials Carrying cost	LS	1			
Total BDT Amount (with Vat and Tax Include as per Govt Policy)for 01- One Latrine						
Total BDT Amount (with Vat and Tax Include as per govt policy)for 40-Forty Latrine						

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