

IOM Cox's Bazar Sob-Office

Programme Objective: Increased access to Safe Sanitation for Kutupalong Makeshift Settlers						
Work Title: Dislodging tank Construction in Mega Camp KMS					Quoted Price	
SI No	Name of Item	Description of Item	Quantity	Unit	Unit Price (in BDT)	Total Amount (in BDT)
1	Earth Work	Earth work in excavation in all kinds of soil for tank trenches including; providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and providing layout, removing necessary roots and plants, protecting and keeping the trench dry from rain/external water, stacking and levelling surrounding sites with excavated soil. All should be completed under the direct supervision and guidance of the IOM Engineer in-charge, subject to agreed and locally available earth excavation methods. However, IOM Engineer in-charge's approval shall not relieve the contractor of his responsibilities and obligations under the contract.	20.76	cum	259.00	5,376.84
2	Earth Filling	Earth filling in the trenches and surrounding the tank up to the 300mm, layers including proper leveling, watering and compaction as necessary and consolidating including local carriage each layer up to finished level including cost of all tools and equipments etc. all complete and accepted by the IOM Engineer in-charge.	20.76	cum	350.00	7,266.00
3	Brick Soling	Single layer brick flat soling with first class brick at the base of the footing, RCC base slab including carrying bricks, filling the interstices tightly with sand of minimum Fm 0.80, watering, leveling, dressing etc. all complete as per direction of the IOM Engineer in Charge	40.05	sqm	515.00	20,625.75
4	R.C.C Work	RCC work with concrete (1:2:4) [cement, sand (F.M.1.2) and picked jhama chips] including centering-shuttering, breaking chips, screening, washing, mixing, laying, vibrator compaction and curing for at least 14 days including the supply of water, electricity and other charges and costs of tools and plants etc. All work complete as per drawing and instruction of the IOM Engineer in-charge.				
		8a) Concrete (mix ratio 1:2:4) (Scan/Rubi cement)	6.00	cum	8784.00	52,704.00
		8b) 12 mm dia deformed-rod	420.39	kg	110.00	46,242.90
		8c) 10 mm dia deformed-rod	234.75	kg	110.00	25,822.50
		8d) 8 mm dia deformed-rod	20.60	kg	110.00	2,266.00
		8e) Centering and shuttering for the column, grade beam casting including top slab by using of timber, bamboo and other necessary materials.	1.00	L/S	2000.00	2,000.00
5	10" Brick work	10" thick brick wall construction with first class bricks and cement mortar (1:4) and making bond with partition walls and properly raking out of joints between bricks, including necessary cleaning and soaking the bricks for at least 24 hours before use and screening. The work includes scaffolding, site cleaning, water carrying, electricity, curing at least for 7 days and other necessary charges. 8 numbers of 19mm dia 15" long bolts to be fitted within brick wall with 4" elevated from the wall for roof reuss fitting. All work complete as per design and instruction of IOM Engineer in-charge.	12.08	cum	7501.00	90,612.08
6	5" Brick work	5" thick brick wall construction with first class bricks and cement mortar (1:4) and making bond with partition walls and properly raking out of joints between bricks, including necessary cleaning and soaking the bricks for at least 24 hours before use and screening. The work includes scaffolding, site cleaning, water carrying, electricity, curing at least for 7 days and other necessary charges. 8 numbers of 19mm dia 15" long bolts to be fitted within brick wall with 4" elevated from the wall for roof reuss fitting. All work complete as per design and instruction of IOM Engineer in-charge.	1.21	sqm	1180.00	1,427.80
7	Plastering	Minimum 12 mm thick cement plastering using mortar ratio (1:4), inner surface, finishing the corner, kobra, edges and 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 IOM Engineer in-charge.	89.08	sqm	297.00	26,456.76

8	Wooden Frame	Supply and fitting-fixing complete of matured Jaam/Garzan wood including carpentry work.a) Wooden post (3"X3"X 2'- 15 nos & 3"x3"x3.5'-2 nos), b) Rafter for Roof Truss in 1st tank (2"X2"X 12'-0" -2 nos), c) Rafter for Roof Truss in 1st tank center (3"X2"X 12'-1 nos), d) Purlin for 1st tank in X- Direction (1.5" x 1.5" x 12'-0"-10 nos), e) Purlin for 1st tank in Y- Direction (1.5" x 2" x 7'-0"-12 nos), f) Rafter for Roof Truss in 2nd tank (2"X2"X 10'-0" -2 nos), g) Rafter for Roof Truss in 2nd tank center (3"X2"X 10'-0"- 1 nos), h) Purlin for 2nd tank in X- Direction (1.5" x 1.5" x 10'-0"-10 nos), i) Purlin for 2nd tank in Y- Direction (1.5" x 2" x 7'-0"-10 nos)	11.22	cft	1200.00	13,464.00
9	Roof cover	<u>Hardware materials:</u> Required quantity of clamps, hooks, nut-bolts, nails, ropes & others as necessary	1.00	L/S	3000.00	3,000.00
		<u>Terpol (polithin):</u> Good quality Terpoline with hooking provision surrounding the edge				
		a) Terpoline 4m X 6m	1.00	each	2000.00	2,000.00
		a) Terpoline 3m X 6m	1.00	each	1600.00	1,600.00
10	Plumbing	Supply, fitting & fixing of 3" dia, 20ft PVC pipe for connecting between soakwells and tank, 4" dia 10ft PVC pipe (grade-C) for connecting between tanks, including 3 nos of 4" dia get-valve (nylone) fixed with 4nos PVC Elbow (strong). All work should be completed as per design and instruction of Engineer-in-charge	1.00	unit	4000.00	4,000.00
SOAK WELL (4 pits)						
11	Earth Work	Earth work :Excavation of earth for setting of 1000 mm dia R.C.C. ring of 1500 mm depth in all kinds of soils/stony layers and stacking excavated soils at a suitable place besides the well, etc, complete as per instruction of Engineer-in-charge.(Including cost of all materials, labor and transportation)	6	cum	259.00	1,554.00
		Earth filling: Earth filling around the R.C.C rings in with earth available within 90 meters of the latrine site including carrying, watering , leveling , dressing and compacting to a specified percentage each layer up to finished level etc, all complete as per design, drawing, specification and instruction of Engineer-in-charge.(Including cost of all materials, labor and transportation)	2	cum	350.00	700.00
12	R.C.C Ring	R.C.C. Ring: Construction, supplying, fitting and fixing of RCC ring having ratio of cement, sand and khoa (1:2:4) with inner dia 675 mm and outer dia 1000 mm, height 300 mm and thickness 50 mm with supplying & fabrication of 8 no. MS wire @ 140 mm C/C in horizontal & vertical directions, making climbing supports and casting concrete with 19 mm down sized khoa (from pick jhama brick) & 1.5 FM clean sand ,Crude oil etc. and all complete as per drawing with mould set including curing for at least 7 days and direction of the Engineer-in-charge. (Including cost of all materials, labor and transportation)	24	each	1000.00	24,000.00
13	R.C.C Slab	R.C.C Slab: Construction, supplying, fitting and fixing of 50 mm thick circular RCC (1:1.5:3) Slab to be cast with 12mm down graded khoa of 1st class bricks 1.5 F.M clear sand (free from clay dirt) and using # 6 M.S wire, all complete including curing at least 7 days as per drawing and direction of Engineer-in-Charge. (Rate including cost of all materials, labor and transportation to the site)	4	each	1000.00	4,000.00
14	Inside Mortering	Inside Mortering (high densed proportion-1:4) between Rings,The mortering will be on ring to ring joint and 1.5" bit (width) on inside face for top two joints. all complete as per design and as per direction of Engineer In Charge.	1	L.S	1000.00	1,000.00
15	Sand Filling	Supplying of Sand and filling the bottom 1' in depth, all complete as per design and as per direction of Engineer in charge.	0.17	cum	1093.00	185.81
Total Quoted Price for One Dislodging Tank in KMC						336,304.44