ACTION AGAINST HUNGER/ACTION CONTRE LA FAIM

Bill of Quantities(BoQ)

Semi-permanent lime stabilization pond construction

Sub Head No	Item Name	Item Description	Reference Location	L-Ft	W-Ft	H/D-Ft	No	Qty	Unit	Total	Unit cost	Total Cost		Cement Bags	Sand Cft	Crush Cft	Steel 3/8" Dia/Kg	Bricks No.
Lime stabilization pond																		
Sub structure																		
1	Site mobilization	Mobilization of materials, site preparation and layout setup work	Pond and drying bed both	26.25	19.25			505.31	sft	**505.31**	**3.28**	**1,657.43 BDT**		-	-	-	-	-
2	Excavation	Earth work in excavation in all kinds of soil for pond 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 andkeeping the trench dry from rain/external water, stacking and levelling sorrounding sites with excavated soil. All should be completed under the direct supervision and guidance of the ACF Engineer in-charge, subject to agreed and locally available earth excavation methods. However, ACF Engineer in-charge's approval will not relieve the contractor of his responsibilities and obligations under the contract.	Foundation, Holding pond	26.25	19.25	4.67	1	2,359.81	cuft	**2603.71**	**4.20 BDT**	**10,935.58 BDT**						
			Foundation, Drying bed	6.00	4.00	0.58	1	13.92										
			Filtration/Sockwell	6.25	4.91	2.50	3	229.98										
3	Sand backfilling	2" sand filling (F.M. 0.5-0.8) in the whole pond and drying bed and 1 feet sand filling (F.M.2-2.5); using dry sand and create proper levelling of the both sand filling, as per instructiuon of Engineer-in-charge.	Foundation,Footing and floor	26.25	19.25	0.17	1	85.90	cuft	**89.98**	**27.50 BDT**	**2,474.54 BDT**		-	89.98	-	-	-
			Foundation, Drying bed	6.00	4.00	0.17	1	4.08										
			Filtration/Sockwell	6.25	4.91	1.00	3	14.72		**14.72**	**75.00 BDT**	**1,103.91 BDT**						
4	Polyethylene sheet	Supplying and placing polyethylene sheet of 0.18 mm thick under the CC casting	Footing, Long wall	20.83	1.67	1.00	2	69.57	sft	**469.30**	**2.50 BDT**	**1,173.26 BDT**		-	-	-	-	-
			Footing, Short wall	16.75	1.67	1.00	3	83.92										
			Foundation, Floor	18.33	15.92	1.00	1	291.81										
			Foundation,Drying bed	6.00	4.00	1.00	1	24.00										
5	Brick Flat soling	One layer of brick flat soling in foundation,floor and drying bed floor with first class bricks including preparation of bed and filling the interstices with local coarse sand, cover the brick-soling,and socking the bricks at least for 24 hours, completed and accepted by the ACF Engineer in-charge.	Foundation floor,Holding pond	18.33	15.92	0.25	1	291.81	sft	**357.70**	**41.31 BDT**	**14,776.47 BDT**			17.88			1,073.09
			Foundation of right side short wall	25.08	1.67	0.25	1	41.88										
			Foundation floor,Drying bed	6.00	4.00	0.25	1	24.00										
6	PCC (1:2:4) with NCF	3" thick CC casting over the brick soling at the bottom of the pond [recommanded mixing proportion 1:2:4] using picked jhama chips, including supply, screening, washing, 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 ACF Engineer in-charge. (Cement: Scan/Rubi)	Footing, Long wall	26.25	1.67	0.25	2	21.92	cuft	**124.64**	**296.43 BDT**	**36,947.00 BDT**		21.94	54.84	109.68	-	-
			Footing, Short wall	15.92	1.67	0.25	3	19.94										
			Foundation, Floor of pond	18.33	15.91	0.25	1	72.91										
			Foundation,Drying bed	6.00	4.00	0.25	1	6.00										
			For post installation	0.42	0.42	1.83	12	3.87										
7	Brick Work with 1:6 mortar, 20" thick	with mortar, raking out joints,cleaning and socking the bricks at least for 24 hours and screening of sand before use, necessary scaffolding, curing at least for 7 days etc. all complete including cost of water, electricity and other charges (measurement to given as 9.5" width for one brick length). All work should be completed as per design and guidance of the ACF Engineer in-charge.	Footing, Long wall	26.25	1.67	0.50	2	43.75	cuft	**83.55**	**210.15 BDT**	**17,558.03 BDT**		3.64	18.19	-	-	1,086.15
			Footing, Short wall	15.92		0.50	3	39.80										
8	Brick Work with 1:4 mortar, 10" thick	with mortar, raking out joints,cleaning and socking the bricks at least for 24 hours and screening of sand before use, necessary scaffolding, curing at least for 7 days etc. all complete including cost of water, electricity and other charges (measurement to given as 9.5" width for one brick length). All work should be completed as per design and guidance of the ACF Engineer in-charge.	Long wall	25.42	0.83	3.50	2	147.69	cuft	**235.31**	**229.65 BDT**	**54,037.79 BDT**		11.95	59.77	-	-	3,058.97
			Short wall	15.08		3.50	2	87.61										
9	Brick Work with 1:4 mortar, 5" thick	with mortar, raking out joints,cleaning and socking the bricks at least for 24 hours and screening of sand before use, necessary scaffolding, curing at least for 7 days etc. all complete including cost of water, electricity and other charges (measurement to given as 9.5" width for one brick length). All work should be completed as per design and guidance of the ACF Engineer in-charge.	Long wall	25.00	0.42	1.50	2	56.25	sft	**211.95**	**107.28 BDT**	**22,738.00 BDT**		5.38	26.92	-	-	1,148.06
			Short wall	17.17		1.50	2	51.51										
			Partition wall	17.17		5.00	1	85.85										
			Drying bed around wall	18.34		1.00	1	18.34										
10	Plaster 1:4, 12 mm thickness internal + external with NCF	Minimum 12 mm thick cement sand (F.M.1.2) plaster (1:4) with Scan/Rubi cement to full depth of inner wall surface and up to 1.5 ft depth at outer surface of pond and both side of drying bed wall also floor, finishing the corner and edges including net-cement fininhing(NCF) to all plastered surface. washing of sand cleaning the surface, scaffolding and curing at least for 7 days, cost of water, electricity and other charges etc.All complete as per drawing and accepted by the ACF Engineer in-charge.	Long wall inner side	23.75	0.04	4.00	2	190.00	sft	**803.62**	**25.87 BDT**	**20,789.56 BDT**		6.86	34.29	-	-	-
			Short wall inner side	16.75		4.00	2	134.00										
			Partition wall both side	16.75		5.50	2	184.25										
			Long wall both side up to 1.5'	25.00		1.50	4	150.00										
			Short wall both side up to 1.5'	17.17		1.50	4	103.02										
			Drying bed around wall	18.34		1.00	2	36.68										
			Drying bed floor	2.83		2.00	1	5.67										
11	Others	Supplying and fitting of 6" dia uPVC pipe C-class,and 6" dia PVC gate valve, RFL/National polymar best quality which is available in the market	In partition wall					4.00	ft	**4.00**	**90.00 BDT**	**360.00 BDT**						
			In partition wall					2.00	piece	**2.00**	**550.00 BDT**	**1,100.00 BDT**						
12	Brick chips	Supplying ,screening and setting of 19mm and 12mm dia 1st class brick chips	Sockpit/Filtration					29.44	cuft	**29.44**	**155.00 BDT**	**4,563.20 BDT**						
											Sub Total =	**190,214.76 BDT**		**49.77**	**301.88**	**109.68**	**0.00**	**6366.27**

Super structure

Sub Head No		Description	Reference Location	L-Ft	W-Ft	H/T-Ft	No	Qty	Unit	Total	Estimated Cost	Total Cost
1	GI post	Supply, transport, fixing and fitting of GI Post on wall of the pond by using of outer dia 2" (8 feet long 11 pcs and 12 feet long 1 pcs total 12 pcs) including cutting and fitting including labour charges, all work complete as per drawing and instruction of ACF Engineer. Best quality which available able in local market.	On the wall	8.33			12	99.96	ft	**99.96**	**175.00 BDT**	**17,493.00 BDT**
2	MS angle wall plate	Supply, transport, fixing and fitting and welding of Ms angle wall plate on the post by using of 50mmX50mmX5mm ,26.25feet long-total 3pcs,including cutting, levelling, jointing, drilling and fitting including labour charges, all work complete as per drawing and instruction of ACF Engineer. Best quality which available able in local market.		26.25	0.32	0.02	3	112.14				
3	Ms angle rafter	Supply, transport, fixing and fitting and welding of Ms angle rafter on the wall plate by using of 50mmX50mmX4mm ,19.25 feet long-(For pond 4 pcs and drying bed 1 pcs total-5 pcs)including cutting, jointing, drilling and fitting including labour charges, all work complete as per drawing and instruction of ACF Engineer. Best quality which available able in local market.		19.25	0.32	0.01	5	89.089				

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4	Ms angle purlin	Supply, transport, fixing and fitting and welding of Ms angle purlin on the rafter by using of 38mmX38mmX4mm ,26.25feet long-(For pond 4 pcs and drying bed 1 pcs ,total-5pcs) including cutting, levelling, jointing, drilling and fitting including labour charges, all work complete as per drawing and instruction of ACF Engineer. Best quality which available able in local market.	Trus	26.25	0.25	0.01	5	73.0078125	kg	**287.05**	**115.25 BDT**	**33,082.84 BDT**						
5	Ms flat bar	Supply, transport, fixing and fitting including welding of Ms flat bar on the rafter of drying bed by using of 25 mm flat bar,4mm thick ,12 feet long-total-6pcs including cutting, levelling, jointing, drilling and fitting including labour charges, all work complete as per drawing and instruction of ACF Engineer. Best quality which available able in local market.		12	0.08	0.01	6	12.816										
6	Transparent sheet	Supplying, transport, fitting,joining and fixing of 1 mm thick and white color, 6 feet long pcs and drying bed Transparent sheet(For pond 48 pcs and drying bed 4 pcs)including labour charges all work will be completed as per drawing and instruction of ACF Engineer in-charge. Best quality which available able in local market.	Roofing					52	piece	**52.00**	**580.00 BDT**	**30,160.00 BDT**						
7	Others/Fittings materials	Supplying, transport and fitting by 2.5" J hook bolt with all washer and nut of sheet fitting work. Best quality which available able in local market.	Trus and Sheet fitting					1	package	**1.00**	**2,500.00 BDT**	**2,500.00 BDT**						
9	Visibility	Supplying and fitting of 12"X8" tiles made visibility with ACF and donor logo including well printed on the wall.	Wall					1	piece	**1**	**1200**	**1,200.00 BDT**						
											Sub Total=	**84,435.84 BDT**						
											Grand Total =	**274,650.60 BDT**						

Total in word: Two lac seventy four thousand six hundred fifty taka and sixty paisa