

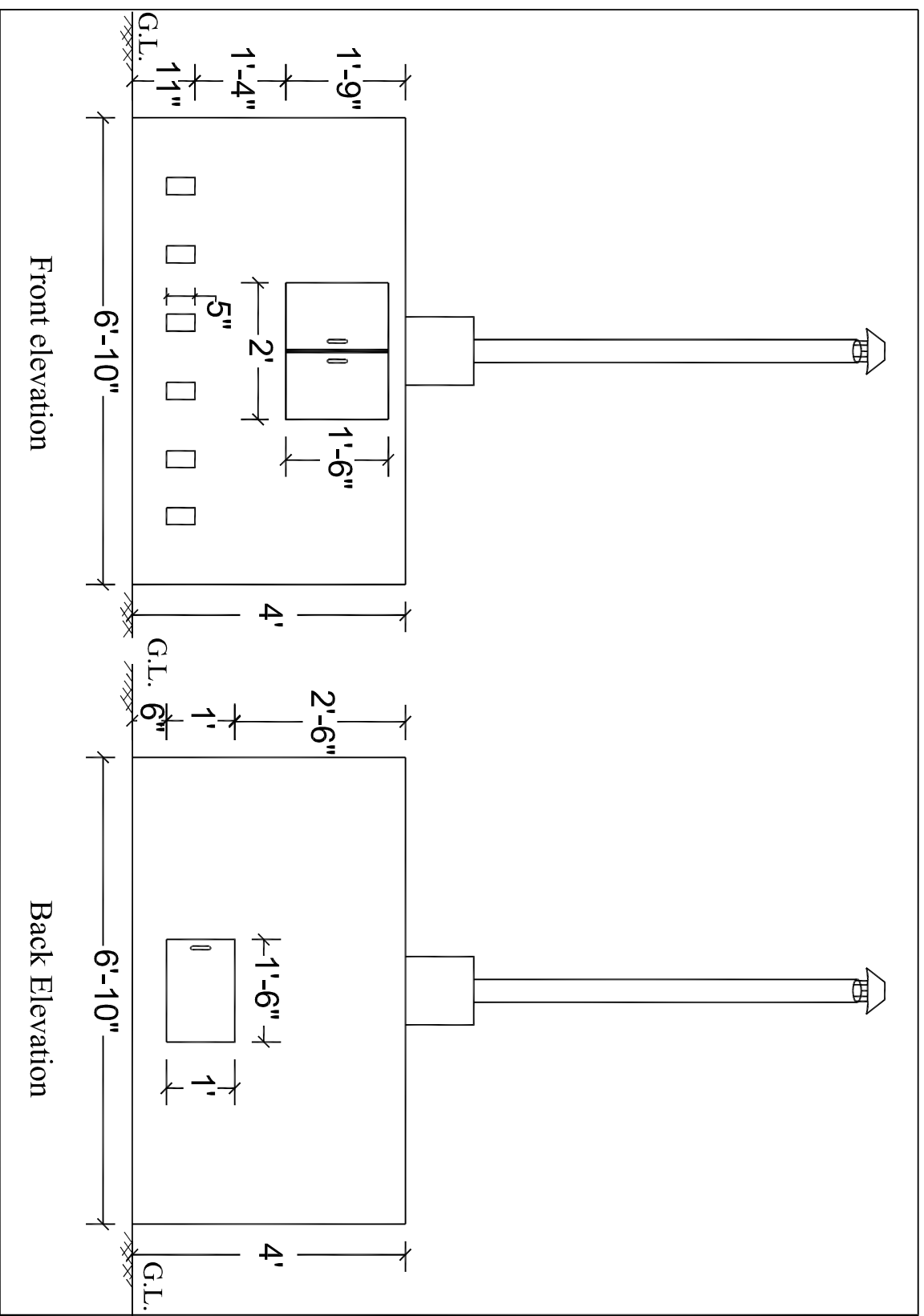
Plan of the Brick Incinerator



Name of the Work:
Construction of Brick Incinerator.

Description of Drawing:
Plan of Brick Incinerator.

Prepared By:-
WASH Department
ACF Bangladesh mission



Name of the Work:-
Construction of Brick
Incinerator.

Description of Drawing:-
Front and Side Elevation

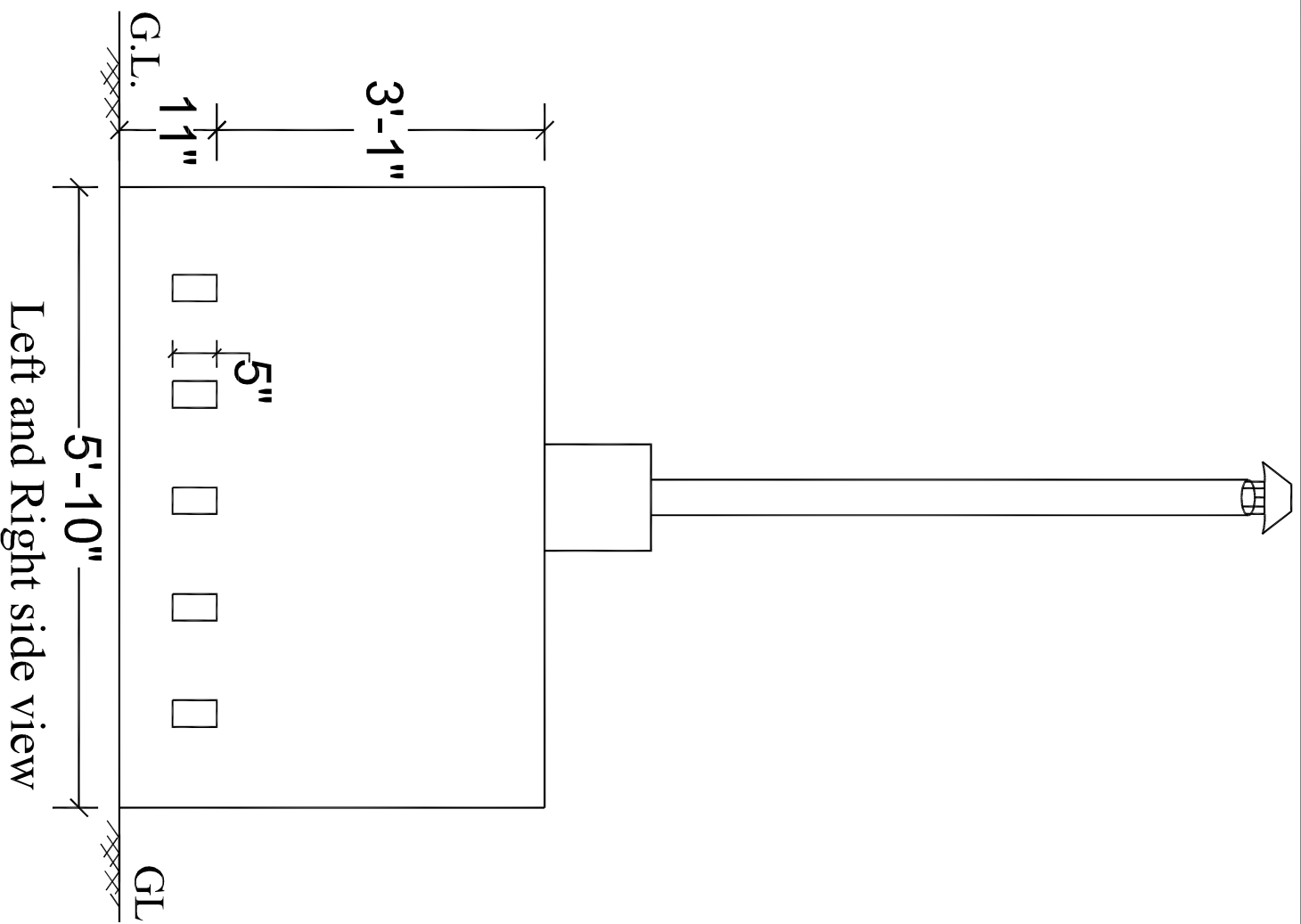
Prepared By:-
WASH Department
ACF Bangladesh mission

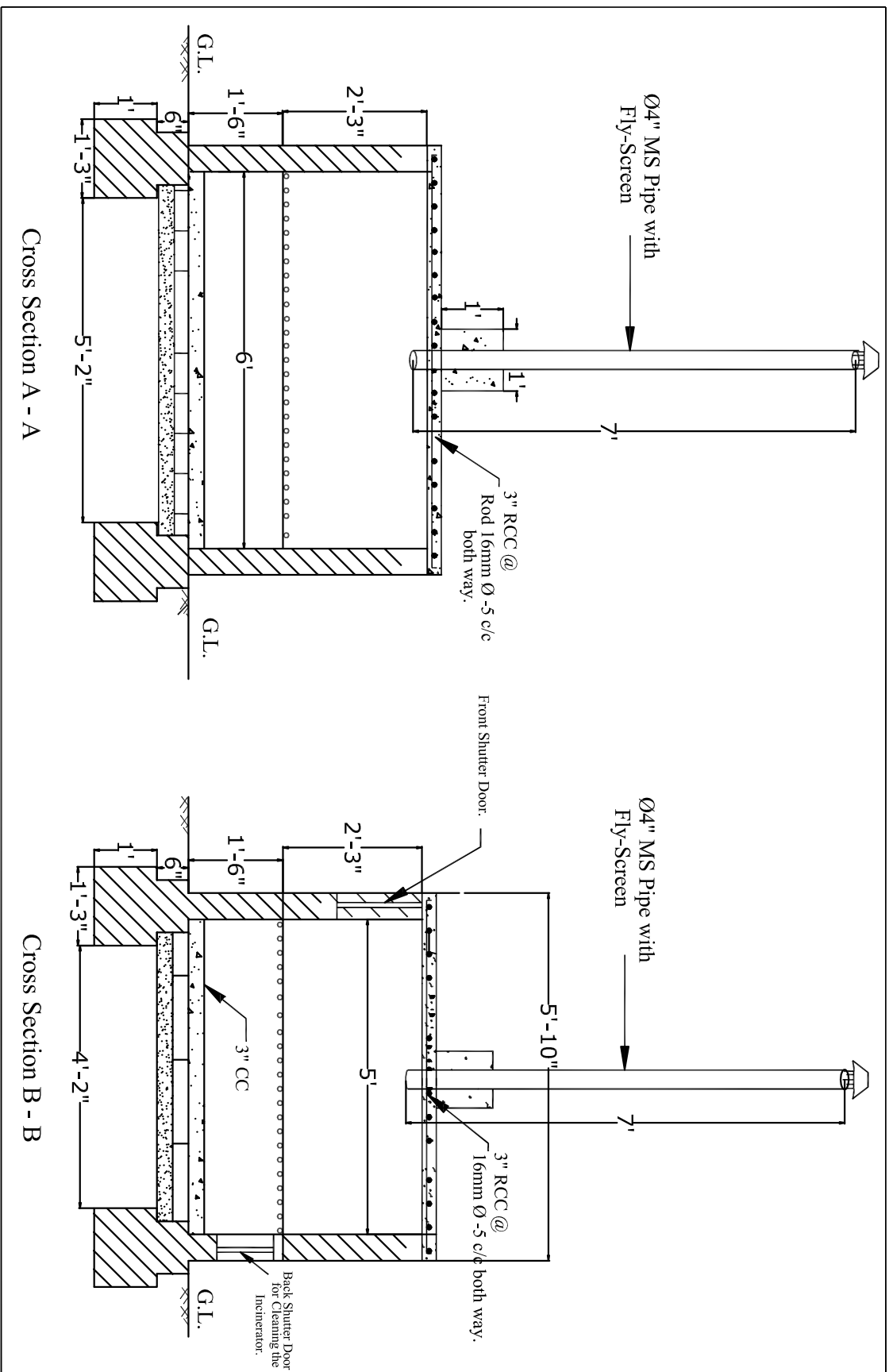
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Name of the Work:-
Construction of Brick
Incinerator.

Description of Drawing:-
Side Elevation of Brick
Incinerator.

Prepared By:-
WASH Department
ACF Bangladesh mission





Name of the Work:-
Construction of Brick
Incinerator.

Description of Drawing:-
Cross Section A - A &
B - B

Prepared By:-
WASH Department
ACF Bangladesh mission

ACTION AGAINST HUNGER / ACTION CONTRE LA FAIM (ACF)

BILL OF QUANTITIES (BoQ)

Brick Incinerator construction

Sub Head No	Type of work	Description	Reference Location	L-Ft	W-Ft	H/D-Ft	No	Quantity	Unit	Total Quantity	Unit Estimated Cost	Total Cost
1	Mobilization Materials, Site Preparation and Layout Setup	Considering Carry over Bench Mark(BM) at site from BM pillar, Height flood level (HFL), Plinth level(P.L), demolishing and removing of old things, ensuring reduce level including locating, establishing, protecting all public utilities within premises work. All complete as per as direction of EIC.		7.67	6.67		1	51.11	Sft	51.11	3.28	167.64
2	Earth Works/ Excavations	Earth work in excavation of Foundation including layout, by excavating earth to the line, grade and elevation as shown in the drawing, latrine carrying and disposing of all Excavated materials at a safe distance designated by the EIC. All types of soil except rocky gravelly, organic maintains proper slope, disposing of all back filling of sites, safe positioning of all excavated materials, back filling of sites of original level etc., all work need to complete as per the direction of the EIC.	Foundation (Long direction)	7.67	1.25	1.50	2	28.75	Cft	44.38	4.20	186.38
			Foundation (Short direction)	4.17	1.25	1.50	2	15.63				
3	Sand Filling (0.80 FM)	Sand filling in foundation trenches and inside plinth with sand (minimum F.M. 0.80) in 76mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per specification and direction of the engineer in charge.	Floor	5.58	4.58	0.25	1	6.40	Cft	6.40	27.50	175.93
4	Single Layer Polythene Sheet (0.18mm thick)	Providing and laying polythene sheet (0.18mm thick) on prepared ground surface under neath the cement concrete etc. All complete as per specification and direction of the engineer in charge.	Floor	5.58	4.58		1	25.59	Sft	25.59	2.50	63.98
5	Brick Flat Soling	Single layer brick flat soling with first class brick at the base of the foundation, including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, watering, levelling, dressing etc. all complete as per direction of the EIC.	Floor	5.58	4.58		1	25.59	Sft	25.59	41.31	1057.13
6	Brick Work 10" and Above	1st class brick works with 1st class bricks in cement mortar (1:4) fitting the interstices tightly with mortar, raking out joint, cleaning and soaking bricks at least for 24 hours before use, washing of sand necessary scaffolding, curing for requisite	15" brick wall for Incinerator (long direction)	7.67	1.25	1.00	2	19.17	Cft	39.78	220.00	8750.81
			15" brick wall for Incinerator (Sort direction)	4.17	1.25	1.00	2	10.42				
			10" brick wall for Incinerator (long direction)	7.67	0.83	0.50	2	6.39				
			10" brick wall for Incinerator (sort direction)	4.58	0.83	0.50	2	3.80				
7	Brick Work 5" Thick	125 mm Brick work with 1st class bricks in cement mortar (1:4) in exterior walls including fitting the interstices tightly with mortar, raking out joint, cleaning and soaking bricks at least for 24 hours before use, washing of sand necessary scaffolding, curing for requisite period etc. all complete as per direction of the EIC.(Minimum F.M of sand 1.2)	5" brick wall for Incinerator (long direction)	6.83	0.42	3.75	2	51.25	Sft	84.25	107.28	9038.34
			5" brick wall for Incinerator (sort direction)	5.00	0.42	3.75	2	37.50				
			Deduction (-)									
			Front Door	2.00	0.42	1.50	-1	-3.00				
			Back side Door	1.50	0.42	1.00	-1	-1.50				
8	Cement Concrete (CC) Work	Cement concrete work in foundation and floor with Portland cement, sand(Min FM 1.50) and first class brick chips 20mm down graded, in/c shuttering, mixing by concrete mixing machine, appropriately, casting& laying, compacting and curing for the requisite period. The mixture proportion of cement sand and aggregate should be 1.:2:4. Cylinder crushing strength of concrete should not be less than 17Mpa at 28 days of curing. All complete as per the instruction of the EIC.	Floor of Incinerator	6.00	5.00	0.25	1	7.50	Cft	8.50	296.36	2519.06
			CC Block for Holding the GI Pipe	1.00	1.00	1.00	1	1.00				

ACTION AGAINST HUNGER / ACTION CONTRE LA FAIM (ACF)

BILL OF QUANTITIES (BoQ)

Brick Incinerator construction

Sub Head No	Type of work	Description	Reference Location	L-Ft	W-Ft	H/D-Ft	No	Quantity	Unit	Total Quantity	Unit Estimated Cost	Total Cost
9	Reinforcement Concrete (RCC) Work	Reinforced concrete cement works for the slab of the septic tank (1:2:4) having minimum cylinder crushing strength 17 MPa at 28 days with Portland cement (conforming to BDS 232), best quality coarse sand (50% quantity of sand minimum F.M. 1.2 and 50% quantity of coarse sand of minimum F.M. 2.5) 20 mm down graded picked 1st class brick chips including breaking chips and screening, centering, shuttering, mixing casting & laying, compacting, curing up to the recommended time, making shuttering fully leak proof, etc. including constructing manhole cover with a lifting hook and vent pipe . All complete to the satisfaction of the EIC.	Top Slab for Incinerator	6.83	5.83	0.25	1	9.95	Cft	9.95	401.94	4001.20
10	Plastering with NCF	Minimum 12mm thick cement plaster (1:4) with neat cement fining & water proofing including washing of sand, cleaning of wall surface, curing for requisite period all complete as per direction of the EIC(F.M of sand:1.2).All complete to the satisfaction of the EIC.	Plaster for Incinerator Inner side wall	22.00	0.04	3.50	1	77.00	Sft	205.95	25.87	5327.93
			Plaster for Incinerator outer surface wall	25.32		3.75	1	94.95				
			Plaster for Incinerator Floor	6.00		5.00	1	30.00				
			Plaster of CC Block	4.00		1.00	1	4.00				
11	Other	Fittings, Fixings door and Other Materials	GI Pipe for Vent pipe (7 feet long, Inside 4" dia) with Fly Screen/ Cowell	7.00			1	7.00	Rft	7.00	430.00	3010.00
			2' X 1.5' M.S. Door with Shatter will be standard Size GI Plain Sheet with SS Bolt/ Door Bolt				1	1.00	Pcs	1.00	4000.00	4000.00
			1.5' X 1' M.S. Door with Shatter will be standard Size GI Plain Sheet with SS Bolt/ Door Bolt				1	1.00	Pcs	1.00	3635.00	3635.00
			The Grill will be 6mm dia Rod @ 0.5" c/c both way				1	1.00	Pcs	1.00	3000.00	3000.00
Total cost for one set Brick Incinerator =											44,933.40 BDT	

In Word: Forty four thousand nine hundred and thirty three hundred and fourth paisa only

Materials Calculation

Cement Bags	Sand Cft	Crush Cft	Rod	Bricks No.
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	6.40	-	-	-
-	-	-	-	-
-	1.28	-	-	76.77
2.83	14.14	-	-	536.98
2.52	12.58	-	-	477.70
1.50	3.74	7.48	-	-

Materials Calculation				
Cement Bags	Sand Cft	Crush Cft	Rod	Bricks No.
1.75	4.38	8.76	38.91	-
1.76	8.79	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
11.39	59.01	18.68	38.91	1200.59