



Sindh Agricultural & Forestry Workers Coordinating Organization (SAFWCO)
Building resilience of flood affected communities Supported By Oxfam GB
in Tehsil Faiz Gunj, District Khairpurmirus



Capital Cost for Cost Estimate of Direct Boring Hand pump

S.#	Item	Unit	Quantity	Unit Rate Rs.	Amout Rs.
A	Material				
1	Bricks	Nos	272		
2	Cement	Bag	2		
3	Sand	cft	20		
4	Crush	cft	8.0		
6	UPVC Pipe 4" dia for Drain	rft	15		
7	Suction Pipe National PVC Pipe 1" Dia	rft	30		
8	UPVC Filter 1" dia with filter cloth	rft	5		
9	Elbow 4" dia	Nos	1		
10	Jali 4" dia	Nos	1		
11	Hand Pump G.I Machine 2.5" dia Pipe	Nos	1		
12	Fitting Material (elbow, tee, solution, pipe nipple, barrel nipple, horse pipe, tape solution etc)	Nos	1		
13	Boring Charges	rft	35		
	Sub Total Material				
B	Sub Total Labour				
1	Skilled Labour	Men Days	2		
2	Unskilled Labour	Men Days	2		
Grand Total (A+B)					

Estimation For Lead Hand Pump

BILL OF QUANTITIES

S.No	Description	No	L	B	D	Quantity	Unit	Remarks
1	Excavation							
	Platform Walls	4	7	1.5	0.75	31.50	cft	
2	Refilling of Earth							
	Plate Form	1	6	6	1.25	45.00	cft	
	Total					45.00	cft	
3	PCC Work (1:4:8)							
	Plate Form	1	6	6	0.25	9.00	cft	
	Total					9	cft	
5	Brick Masonry in 1:4 C/Sand							
	Platform Walls (9" Thick Brick Masonry)	2	9.75	0.75	1	14.63	cft	
	Platform Walls (4.5" Thick Brick Masonry)	2	9	0.375	0.375	2.53	cft	
	Stair step 3	1	4.00	1	0.5	2.00	cft	
	Total					19.16	cft	
6	0.5" thick Plaster in 1:3 C/Sand							
	Platform Wall (Exterior Side)	2	9	-	1.25	22.50	sft	
	Top Face of Platform Walls	2	9	-	0.375	6.75	sft	
	Hand Pump Base	1	4	5	-	20.00	sft	
	Stair Rise	1	4	-	0.5	4.00	sft	
	Stair Tread	1	4	-	1	4.00	sft	
	Total					57.25	sft	

Abstract Cost of Material

S No.	Item	Quantity	Unit	Bricks	Cement	Sand	Crush
1	Excavation	31.50	cft				
2	Concrete (1:4:8)	9	cft		0.86	6	8.3
3	Bricks Masonry	19.16	cft	259	0.7	7	
4	Plaster	57.25	sft		0.6	5	
	Sub Total			272	2.14	20	8.28
	Total			272	2.00	20	8