



THE SHAIKH AYAZ UNIVERSITY, **SHIKARPUR**



CONSTRUCTION OF BOUNDARY WALL FOR THE PROJECT TITLED “PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR”

BILL OF QUANTITIES

April, 2022

**CONSTRUCTION OF BOUNDARY WALL FOR THE SHAIKH AYAZ UNIVERSITY
SHIKARPUR**

DETAILED ESTIMATE

SUMMARY OF COST

Rates Based on Composite Schedule of Rate (GENERAL-2012) Sindh

Sr. No.	DESCRIPTION	AMOUNT
1.	CIVIL WORKS	
a	Cost of Sheduled Items	
b	Add 10% Premium on Sheduled Items	
c	Cost of Non-Sheduled Items	
	TOTAL	
	5% SST	
	GRAND TOTAL	
	PC-I COST	

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DETAILED ESTIMATE

CIVIL WORKS

Rates Based on Composite Schedule of Rate (GENERAL-2012) Sindh

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
1	C-1/18(b)	Excavation in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structure with excavated earth Watering and ramming lead upto 5 ft in Ordinary Soil.	%Cft	61515.29		
2	C-4/5(i)	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering.(Mix 1:4:8)	%Cft	4825.69		
3	C-4/6 a-i	R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects (I) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (Foundation)	P.Cft	8822.81		
4	C-4/6 a-i	R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects (I) Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (Ground Floor)	P.Cft	3147.44		
5	C-4/6 a-ii	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3) U.P.L	P.Cft	2574.61		
6	C-4/6 a-ii	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3) G.F	P.Cft	6048.38		
7	C-4/8(b)	Fabrication of mild steel reinforcement for cement concrete including cutting,bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.) Using Tor bars.	P.Cwt	1179.52		
8	C-5/7-I(e)	Pacca brick work other than building including striking of joints upto 20 feet height in: (e) Cement sand mortar. 1:6 (Foundation)	%Cft	18748.08		
9	C-5/7-I(c)	Pacca brick work other than building including striking of joints upto 20 feet height in: (c) Cement sand mortar. 1:4	%Cft	22753.27		
10	C-9/11(c)	Cement plaster 1:4 Ground Floor:- c) ¾" (20 mm) thick. (External)	%Sft	90606.17		
11	C-9/34	Extra labour rate for making grooves of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth and, with groove base smoothly finished etc. complete as per instruction of Engineer Incharge.	P.Rft	8299.00		
12	C-9/38A+38B	Preparing the surface and painting with weather coat l/c rubbing the surface with rubbing brick/ sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make. (New Coat + subsequent Coat) Ground Floor	%Sft	62959.61		
13	C-4/5(f)	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering). (Mix 1:2:4)	%Cft	480.21		

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
14	C-18/70	Vertical damp proof course of 3/4" thick cement plaster 1: 2 with bitumen at (20 Lbs. Per % Sft.)	%Sft	7345.94		
15	C-4/7(ii)	Extra cost due to use of Hi Bond Pre-packaged Polymer Modified mortar (DHPMM) as an admixture in concrete mix for increasing durability, to be used in concreting, flooring, block/brick/ stone masonry or plastering as % by weight of cement.	P.Kg	86.78		
16	C-4/11	Providing and fixing ornamental cement jalli 2" thick (1 : 2 : 4) without steel.	P.Sft	2091.38		
17	C-18/8	Providing & fixing angle iron vertical posts for barbed wire fencing of size 2" x 2" x 1/4" embedded in RCC /Masonry pillars l/c Making cuts/ holders @ 12" l/c fixing in pillars by chiseling and filling with cement sand mortar, saprining & finishing the surface.	P.Rft	3297.70		
18	C-18/9	Providing & fixing barbed wire fencing with 12 gauge -4 points @ 6" apart barbed wire l/c straightening & fixing in angle iron vertical posts.	P.Rft	26046.00		
Total of SOR ITEMS						

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Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
1	NSI	Providing and fixing thermopore sheet 1-1/2 inch thickness of 35-D for construction joint purpose complete in all respect as approved & directed by the Engineer/ Incharge.	P.Sft	1095.00		
2	NSI	Providing & laying face work by using gutka 9" x 2-1/4"x2-1/4" of approved quality in cement sand surkhi mortar (1:1:3) i/c back filling 3/8" thick with 1:4 cement sand mortar making trapezoidal groove / set back of 1/4" depth during fresh masonry work laid with M.S flat for wall ties, one side embedded in the masonry work and other side in gutka at 12" center to center vertically and 36" center to center horizontally, racking out joints, curing and its removal, including carriage complete (contractor shall prepare samples at site) as approved by the engineer incharge.	P.Sft	27646.56		
3	NSI	Providing and fixing ornamental cement jalli 4" thick (1 : 2 : 4) with steel wire.	P.Sft	765.00		
Total of Non SOR ITEMS						