

NAME OF WORK:- REPAIR AND RENOVATION UNIVERSITY CAMPUS GHOTKI OF  
SHAH ABDUL LATIF UNIVERSITY (OLD DEGREE COLEGE) (CIVIL  
WORK) (PHASE-I).

BILL OF QUANTITIES

SUMMARY OF COST/BID/TENDER

S.No.	Description	Amount (in Rupees)
<b>1</b>	<b>MAIN BUILDING</b>	
	(i) Cost of Scheduled items	2,534,072.00
	(ii) Add / Deduct _____ % above / below	
	<b>Total S.No. 1</b>	
<b>2</b>	<b>WATER SUPPLY, SANITARY FITTING AND DRAINAGE</b>	
(A)	(i) Cost of Scheduled items	302,264.00
	(ii) Add / Deduct _____ % above / below	
(B)	Cost of Non Scheduled items	
	<b>Total S.No. 2</b>	
	<b>Total tendered cost (1 + 2)</b>	

Rupees in Words

\_\_\_\_\_

\_\_\_\_\_

Contractor

*On leave.*  
Executive Engineer (Works)  
S.A.L.U, Khairpur.

*[Signature]*  
Project Director (Works)  
Shah Abdul Latif University  
KHAIRPUR

**NAME OF WORK:- REPAIR AND RENOVATION UNIVERSITY CAMPUS GHOTKI OF  
SHAH ABDUL LATIF UNIVERSITY (OLD DEGREE COLEGE) (CIVIL  
WORK) (PHASE-I).**

**BILL OF QUANTITIES**

**SCHEDULED ITEMS (CSR-2012)**

**PART – (1) MAIN BUILDING**

1	2	3	4	5	6
ITEM No.	Qty:	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RS:
1.	442.0 Cft	Dismantling cement concrete plain 1:2:4 (S.I.No.19 (c) P.No.10).	3327/50	% Cft	14,708.00
2.	60.0 Cft	Dismantling Cement Concrete plain reinforced separating reinforcement from concrete cleaning and straightening the same.(S.I. No. 20 P. No.10)	5445/-	% Cft	3,267.00
3.	876.0 Sft	Dismantling glazed or encaustic tiles etc. (S.I.NO.55 Page No.13).	786/50	% Sft	6,890.00
4.	203.0 Sft	Dismantling brick work in lime or cement mortar (S.I.No.13 P.No.10).	1285/63	% Sft	2,610.00
5.	5870.0 Sft	Removing cement or lime plaster. (S.I.NO.53 Page No.14).	121/-	% Sft.	7,103.00
6.	6934.0 Sft	Applying Floating coat of cement 1/32" thick. (S.I.No.14 P.No.53)	660/-	% Sft	45,764.00
7.	6934.0 Sft	Cement Plaster 1:4 upto 20' height (c) 3/4" Thick. (S.I. No.11(c), P. No.52)	3015/76	% Sft	209,113.00
8.	6934.0 Sft	Cement Plaster 1:4 upto 20' height (a) 3/8" Thick. (S.I. No.11 (a), P. No.52)	2197/52	% Sft	152,376.00
9.	71059.0 Sft	Scraping ordinary distemper, oil bound distemper or paint on walls (S.I.No.54 (b), P. No.13)	226/88	% Sft	161,219.00
10.	56915.0 Sft	Distempering 3 Coats (S.I.No.24(c) P.No.54)	1079/65	% Sft	614,483.00
11.	14144.0 Sft	Preparing surface and painting with Emulsion paint Three coats. (S.I.No.29 (b) Page No.72).	1762/75	% Sft	249,323.00
12.	193.0 Cft	Pacca brick work in ground floor in (e) cement sand mortar 1:6. (S.I.No.5 (i)(e) P.No.21)	12674/36	% Cft	24,462.00
13.	138.0 Cft	Reinforced cement concrete work all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (i/c screening and washing of shingle)(a) R.C.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. (S.I.No.6 (a-1) P.No.19)	337-	P. Cft.	46,506.00
14.	6.59 Cwt	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastenings i/c cost of binding wire ( also includes removal of rust from bars) (b) Using Tor bars.(S.I.No.7 (ii)(b) P.No.20)	5001/70	P. Cwt	32,961.00
					1,570,785.00

			BILL OF QUANTITIES		
			SCHEDULED ITEMS (CSR-2012)		
1	2	3	4	5	6
ITEM No.	Qty:	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RS:
					1,570,785.00
15.	36.0 Sft	Supplying & fixing in position Aluminum channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) & Aluminum fly screen i/c handles stoppers & locking arrangement etc complete (b) Deluxe model (Bronze) (S.I.No.84 P.No.108)	1647/69	P. Sft	59,317.00
16.	32.0 Sft	Supplying & fixing in position Aluminum channels framing for hinged doors or Alcop made with 5mm thick tinted glass glazing (Belgium) and Alpha (Japan) locks i/c handles, stoppers etc (S.I.No.83 P.No.108)	1507/66	P. Sft	48,245.00
17.	96.0 Sft	(a) Glazing with panes to 18 oz) i/c cost of putty (S.No.38 P.No.63)	115/55	P. Sft	11,093.00
18.	3144.0 Sft	Painting old surface: Painting doors and windows any type Three coat (S.I.NO.5 (c-iii) Page No.68)	1662/21	% Sft	52,260.00
19.	295.0 Sft	Providing and fixing iron steel grill using solid square bars of size ½"x ½" placed at 4" i/c circle shape at 1-0 apart equivalent fitted with screws are pins i/c painting 3 coats with 1 <sup>st</sup> coat of red oxide paint etc. (S.I.No.30 P.No.94)	194/16	P. Sft	57,277.00
20.	5992.0 Sft	Painting new surfaces:- (b) Preparing surface and painting sashes fan light glazed of glazed doors and windows Two coats. (S.I.NO.4 (b) P. No.68)	674/60	% Sft	40,422.00
21.	588.0 Sft	Laying floors of approved coloured glazed tiles ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2 (S.I.No.25 P.No.43)	27747/06	% Sft	163,153.00
22.	288.0 Sft	Glazed tile dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing (S.I. No.38 P. No.45)	28299/30	% Sft	81,502.00
23.	3739.0 Sft	Single layer of tiles 9"x4½"x2" laid over 4" earth 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of R.C.C slab provide with 34 Lbs. bitumen coating sand blinded (S.I.No.05 Page No. 34).	5310/35	% Sft	198,554.00
24.	8860.0 Sft	Providing and lying single per layer of polythene sheet 0.13 mm thick for water proofing as per specification and instructions of Engineer Incharge. (S.I.No.38 P.No.38)	194/16	P. Sft	94,802.00
25.	25 Nos.	Khuras on roof 2'x2'x6". (S.I. No.18, P. No.36)	358/68	Each	8,967.00
26.	25 Nos.	Bottom, Khuras of brick masonry in cement mortar (1:6) 4'x2'x4' ½" over 3" cement concrete (1:4:8) (S.I. No.19, P. No.36)	649/83	Each	16,245.00
					2,402,622.00

BILL OF QUANTITIES					
SCHEDULED ITEMS (CSR-2012)					
1	2	3	4	5	6
ITEM No.	Qty:	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RS:
					2,402,622.00
27.	25 Nos.	Rain water down pipe cast iron heads fixed in place including cost of clamp, hold fast and painting (S.I. No. 23 P. No.37)	873/29	Each	21,832.00
28.	852.0 Sft	Cement pointing struck joints on walls (a) Ratio 1:2 (S.I.No.19 P.No.53)	1287/44	% Sft	10,969.00
29.	102.0 Cft	Pacca brick work in foundation and plinth in (e) cement sand mortar 1:6. (S.I.No.4 (e) P.No.21)	11948/36	% Cft	12,187.00
30.	98.0 Sft	Erection and removal of centering for R.C.C or plain cement concrete works of Partial wood (2 <sup>nd</sup> -Class (ii) Vertical (S.I.No.19 (b-ii) P.No.18)	3127/41	% Sft	3,065.00
31.	393.0 Cft	Cement Concrete plain including placing compacting finishing & curing, complete (including screening and washing of stone aggregate without shuttering. Ratio 1:2:4. (S.I. No. 5(f), P. No.16)	14429/25	% Cft	56,707.00
32.	884.0 Sft	Rough cost/stucco cement plaster ¾" thick in proportion of 1:1½":1½: in cement hill sand and bajri in patterns. (S.I.No.32 P. No. 55)	2306/10	% Sft	20,386.00
33.	19.0 Rft	Providing and fixing G.I frames/chowkhats of size 7"x2" or 4½" x 3" for windows using 20 gauge G.I sheet I/C welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of Ratio 1:6 and repairing the jambs. The cost also i/c all carriage, tools and plants used in making and fixing (S.I.No.28 P.No.93)	240/50	P.Rft	4,569.00
34.	11475.0 Sft	Jungle clearance and removing within 100 ft (b) thick (S.I.No.4(b) P.No.95)	151/25	%0 Sft	1,735.00
Sub Total Part – (1) (A)			Rs:		2,534,072.00

Contractor

*On leave*  
 Executive Engineer (Works)  
 S.A.L.U, Khairpur.

*[Signature]*  
 Project Director (Works)  
 Shah Abdul Latif University  
 KHAIRPUR

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BILL OF QUANTITIES

SCHEDULED ITEMS (CSR-2012)

PART – (2) (A) WATER SUPPLY, SANITARY FITTING AND DRAINAGE

1	2	3	4	5	6
ITEM No.	Qty:	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RS:
1.	03 Nos.	P/F squatting type white glazed earthen ware W.C. pan with front flush inlet and complete with including the cost of flushing cistern with internal fitting and flush pipe with band and making requisite Nos. of holes in wall plinth & floor for pipe connections and making good in cement concrete 1:2:4. (A) W.C pan of not less than 23” clear opening between flushing rims and 3 gallons flushing tank. With 4” dia white glazed earthen trap and plastic tumble. (S.I.NO.1(A)(ii) P.No.1)	5088/20	Each	15,265.00
2.	01 No.	P/F European type white glazed earthen ware wash down w.c pan complete with and i/c the cost of white/black plastic seat (Best Quality) and lid with c.p brass hinges and buffers. 3 gallons plastic flushing cistern with internal fitting and clamps 3/4” dia & cutting & making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4. (S.I.NO.5 P. No.2)	11477/40	Each	11,477.00
3.	02 Nos.	P/F European type white glazed earthen ware wash down w.c pan complete with and i/c the cost of white/black plastic seat (Best Quality) and lid with c.p brass hinges best quality and buffers. 3 gallons plastic cistern with internal fitting and clamp 3/4” dia & cutting & making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4. (S.I.NO.4 P. No.2)	5339/40	Each	10,679.00
4.	03 Nos.	Providing and fixing 24”x18” lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2” dia rubber plug & chrome plated brass chain 1- 1/4” dia, malleable iron or c.p brass unions and making requisite number of holes in walls, plinth & floor for pipe connections and making good in cement concrete 1:2:4 (Standard pattern). (S.I.No.8 P. No. 03)	4253/70	Each	12,761.00
5.	03 Nos.	Add extra for labour for providing & fixing of earthenware pedestal white or coloured glazed (Foreign or Equivalent). (S.I.NO.9 P. No.3)	938/47	Each	2,815.00
					52,997.00

BILL OF QUANTITIES					
SCHEDULED ITEMS (CSR-2012)					
1	2	3	4	5	6
ITEM No.	Qty:	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RS:
					52,997.00
6.	06 Nos.	P/F 6"x2" or 6"x3" C.I floor trap of the approved self cleaning design with a C.I screwed down gritting with or without a vent arm complete with and i/c making requisite number or holes in walls plinth and floor for pipe connections & making good in CC 1:2:4. (S.I. No. 20 P. No.6)	2042/43	Each	12,255.00
7.	06 Nos.	P/F in position nylon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylon connection. (S.I. No. 23 P. No.6)	447/15	Each	2,683.00
8.	03 Nos.	P/F 15" x 12" beveled edge mirror of Belgium glass complete with 1/8" thick hard board and C.P screw fixed to wooden plate (a) standard pattern. (S.I.No.4 (b) P.No7)	1161/60	Each	3,485.00
9.	03 Nos.	S/F soap tray of made of plastic of superior quality and design with fine finishing with C.P screws etc complete. (S.I.NO. 6 P. No.8)	169/40	Each	508.00
10.	100.0 Rft	Providing G.I pipes special & clamps etc i/c fixing cutting and fitting complete with and i/c the cost of breaking through walls and roof making good etc painting two coats after cleaning the pipe etc with white zink paint with pigment to match the colour of the building and testing with water to a pressure head of 200 feet and handling. (ii) 3/4" dia G.I Pipe. (S.I.NO.(1-ii) P. No.12)	95/79	P.Rft	9,579.00
11.	100.0 Rft	Providing G.I pipes special & clamps etc i/c fixing cutting and fitting complete with and i/c the cost of cutting trench upto 2- 1/2" feet deep refilling water ring ramming and disposal of surplus earth within one chain and painting 2 coats of bitumen paint to pipes & specials after cleaning & haslain cloth soaked in maxphalt composition wrapped tightly round pipes and testing to a pressure head of 200 feet and handling. (iii) 1" dia G.I. pipe. (S.I.NO.(1.(iii) ) P. No.14)	116/20	P.Rft	11,620.00
12.	100.0 Rft	(v) 1- 1/2" dia G.I Pipe. (External) (S.I.NO.(1-v) P. No.14)	183/58	P.Rft	18,358.00
13.	06 Nos.	Supplying and fixing in position C.P. bib cocks. (b) 3/4" dia brass bib cock. Light pattern. (S.I. No. 1(b) P. No.16)	348/92	Each	2,094.00
14.	06 Nos.	(b) 1/2" dia brass bib cock. (Standard pattern). (S.I. No. 1(b) P. No.16)	337/92	Each	2,028.00
15.	02 Nos.	Providing and fixing handle valves (china) (ii) 3/4" dia (S.I.No.5 (ii) P.No.17)	271/92	Each	544.00
16.	02 Nos.	Providing and fixing handle valves (china) (iii) 1" dia (S.I.No.5 (iii) P.No.17)	365/42	Each	731.00
					116,882.00

BILL OF QUANTITIES					
SCHEDULED ITEMS (CSR-2012)					
1	2	3	4	5	6
ITEM No.	Qty:	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RS:
					116,882.00
17.	06 Nos.	Supplying and fixing concealed stop cock of superior quality with c.p head 1/2" dia (S.I.No.11 (a) P.No.18)	478/28	Each	2,870.00
18.	06 Nos.	Supplying and fixing concealed tee-stop cock of superior quality with c.p head 1/2" dia (S.I.No.12 (a) P.No.18)	843/92	Each	5,064.00
19.	03 Nos.	Supplying and fixing wash basin mixture of superior quality with c.p head (a) 1/2" dia. (S.I.NO.14 (a) P. No.19)	2882/-	Each	8,646.00
20.	01 Nos.	Supplying and fixing in position C.P. Muslim shower with double bib cock and ring pipe etc. complete. (S.I. No. 19(b) P. No.19)	3432/-	Each	3,432.00
21.	01 Nos.	S/F bath room accessories (7 pieces) i/c towel rod, brush holder, soap tray shelf of approved quality and design etc complete. (S.I. No. 22 P. No.19)	8122/40	Each	8,122.00
22.	100.0 Rft	Providing laying UPVC Pressure Pipes of Class "D" fixing in trench i/c cutting fitting and jointing with solvent cement i/c testing with water to a head of 122 meter or 400ft (b) 19mm (3/4" dia) (S.I.No.6 (b) Page 24)	19/-	P. Rft	1,900.00
23.	100.0 Rft	(c) 25mm (1" dia) (S.I.No.3 (c) Page 24)	27/-	P Rft	2,700.00
24.	30.0 Rft	Providing laying UPVC Pressure pipes of class "D" (equivalent make) fixing in trench i/c cutting fitting and jointing with 'Z' joint with one rubber ring i/c testing with water to a head 122 meter or 400 ft. (f) 100mm (4" dia) (S.I.No.3 (f) Page 23)	226/-	P Rft	6,780.00
25.	100.0 Rft	Providing laying UPVC Pressure pipes of class "D" (equivalent make) fixing in trench i/c cutting fitting and jointing with 'Z' joint with one rubber ring i/c testing with water to a head 122 meter or 400 ft. (f) 100mm (6" dia) (S.I.No.3 (4) Page 23)	486/-	P Rft	48,600.00
26.	40.0 Rft	Boring for tube well in all water bearing soils from ground level upto 100ft or 30.5 meter depth i/c sinking and with drawing of casing pipe. (a) 80mm (3" dia) (I.No.1 (a) Page No.36)	160/-	P Rft	6,400.00
27.	10.0 Rft	Supplying and installing PVC strainers "B" class of approved design quality and make i/c necessary sockets et complete (a) 80mm (3" dia) (S.I.No.3 (a) Page 43)	166/35	P Rft	1,664.00
28.	30.0 Rft	Supplying and installing PVC blind pipe "B" class of approved design quality and make i/c necessary sockets et complete (a) 80mm (3" dia) (S.I.No.3 (a) Page 43)	119/70	P Rft	3,591.00
					216,651.00

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SCHEDULED ITEMS (CSR-2012)					
1	2	3	4	5	6
ITEM No.	Qty:	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RS:
					216,651.00
29.	03 Nos.	Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" (1067mm) depth with walls of B.B in cement sand mortar 1:3 cement plastered 1:3, ½" thick inside of walls and 1" (25mm) thick over benching and channel i/c fixing C.I manhole cover with frame of clear opening 1-1/2' x 1-1/2' (457x457mm) of 1.75 cwt. (88.9kg) embedded in plain C.C 1:2:4 and fixing 1" (25mm) dia M.S steps 6" (150mm) wide projecting 4" (102mm) from the face of wall at 12" (305mm) C/C duly painted etc. complete as per standard specification and drawing. (a) 4" to 12" dia 2'x2'x3'-6" (S.I.No.1 (a) P. No.46)	14748/-	P Rft	44,244.00
30.	400.0 Sft	Erection and removal of centering for R.C.C or plain cement concrete works of Partial wood (2 <sup>nd</sup> Class (ii) Vertical (S.I.No.19 (b-ii) P.No.18)	3127/41	% Sft	12,510.00
31.	200.0 Cft	Cement Concrete plain including placing compacting finishing & curing, complete (including screening and washing of stone aggregate without shuttering. Ratio 1:2:4. (S.I.No.5(f) P. No.16)	14429/25	% Cft	28,859.00
Sub Total Part – (2) (A)			Rs:		302,264.00

Contractor

*On leave.*  
Executive Engineer (Works)  
S.A.L.U, Khairpur.

*[Signature]*  
Project Director (Works)  
Shah Abdul Latif University  
KHAIRPUR



NAME OF WORK:- REPAIR AND RENOVATION UNIVERSITY CAMPUS GHOTKI OF  
SHAH ABDUL LATIF UNIVERSITY (OLD DEGREE COLEGE) (CIVIL  
WORK) (PHASE-I).

BILL OF QUANTITIES

PART – (2) **(B) WATER SUPPLY, SANITARY FITTING AND DRAINAGE**

NON SCHEDULED ITEMS

1	2	3	4	5	6
ITEM No.	Qty:	DESCRIPTION OF ITEM TO BE EXECUTED AT SITE	RATE	UNIT	AMOUNT IN RS:
1.	01 No.	Supplying and fixing water pumping set with Motor and Pump of 1 HP, single phase, 220 volts, 1" x 1" suction and delivery upto 40 ft including nuts, bolts, grill frame of size 3'x3'x3' covered with iron sheet of 16 gauge made of 1/8"x3/4" patti and 1 1/2"x 1 1/2"x1/8" angle iron i/c painting two coats over priming coat of red oxide having locking arrangement and C.C. foundation ratio 1:2:4, electric connection i.e. on/off switch & power plug etc complete as instructions of Engineer Incharge.		Each	
		Sub Total Part – (2) (B)		Rs:	

Contractor

*On leave*  
Executive Engineer (Works)  
S.A.L.U, Khairpur.

*[Signature]*  
Project Director (Works)  
Shah Abdul Latif University  
KHAIRPUR