



**ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF STUDENT HOSTEL AND LIBRARY
PACKAGE-02**



**BILL OF QUANTITIES
(VOL-III)**

OCTOBER, 2021



GRAND SUMMARY OF COST
ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
PACKAGE-02
CONSTRUCTION OF STUDENT HOSTEL AND LIBRARY
BILL OF QUANTITIES

S/N	DESCRIPTION	AMOUNT (Rs.)
A-1	STUDENT HOSTEL - SCHEDULED ITEMS	
	• CIVIL WORK	129,438,124
	• PUBLIC HEALTH WORK	5,419,189
	• ELECTRICAL WORK	8,033,314
	SUB TOTAL (A-1) SCHEDULED ITEMS	142,890,627
A-2	LIBRARY - SCHEDULED ITEMS	
	• CIVIL WORK	46,161,984
	• PUBLIC HEALTH WORK	1,460,672
	• ELECTRICAL WORK	5,844,245
	SUB TOTAL (A-2) SCHEDULED ITEMS	53,466,900
A	TOTAL-A SCHEDULED ITEMS:	196,357,527
	% AGE ABOVE / BELOW ON CSR 2018 BALOCHISTAN :	
	NET TOTAL-A (SCHEDULED ITEMS):	
B-1	STUDENT HOSTEL - NON SCHEDULED ITEMS	
	• CIVIL WORK	
	• PUBLIC HEALTH WORK	
	• ELECTRICAL WORK	
	SUB TOTAL (B-1) NON SCHEDULED ITEMS	
B-2	LIBRARY - NON SCHEDULED ITEMS	
	• CIVIL WORK	
	• PUBLIC HEALTH WORK	
	• ELECTRICAL WORK	
	SUB TOTAL (B-2) NON SCHEDULED ITEMS	
B	TOTAL-B NON SCHEDULED ITEMS:	
	GRAND TOTAL (A+B) :	
	INCLUSION OF PREVAILING TAXES (BSTS) @ 15% :	
	FINAL CONTRACT AMOUNT:	
	IN WORDS :	

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02
BILL OF QUANTITIES
CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3 item 54(1) P-34	Clearing the Site / jungle by cutting removing ,all shrubs ,trees and taking out entire roots and filling the hollows with earth dressing consolidation and watering the filling including stacking the serviceable material and disposal of unserviceable material lead up to 300 meters.	Sq.ft.	23,931.600	3.900	93,333.240
2	CH:3 item 21(B)(ii) P-28	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) B) Machinery ii) Ordinary soil	Cu.ft.	63,404.119	10.250	649,892.217
3	CH:3 item 16 P-27	Filling, watering and ramming earth under floors with surplus earth from foundation, etc.				
3.1	A)	With surplus earth from foundation etc.	Cu.ft.	42,269.413	3.800	160,623.768
3.2	B)	With new earth excavated from outside, lead upto 100 ft. (30m) and lift upto 5 ft. (1.5m) including royalty of Clay	Cu.ft.	30,765.423	6.700	206,128.332
		Anti-Termite				
4	CH:3 item 69 (1) P-41	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sq.ft.	63,083.465	9.750	615,063.779
		Plain and Reinforement Concrete				
5	CH:5 item 5 P-49	Providing and laying plain machine mixed cement concrete using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing.				
5.1	c)	Ratio 1: 4: 8 (Under Foundation)	Cu.ft.	4,264.378	185.350	790,402.485
5.2	a)	Ratio 1: 2: 4 (Under Floor)	Cu.ft.	6,080.113	232.500	1,413,626.356
		FOUNDATION FOR BUILDINGS				
6	CH:5 item 5-8(b)	Providing and laying 1:1-5:3 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing, additional for shuttering and scaffolding for foundations, bed plates and sills.	Cu.ft.	20,416.725	276.000	5,635,016.100
		WALLS AND PIERS				
7	CH:5 item 5-13(a) P-52	Providing & laying 1:1-5:3 in situ cement concrete in walls and piers etc, upto 12" (300 mm) in thickness using approved coarse sand & crushed aggregate 3/4" (19mm) & down gauge including compacting, curing, cost of formwork and its removal.				
	5-13(a)	Ground Floor	Cu.ft.	388.500	323.500	125,679.750
	5-13(a)+(f)	First Floor	Cu.ft.	233.100	379.750	88,519.725

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	5-13(a)+(f)+(g)	Second Floor	Cu.ft.	422.100	432.900	182,727.090
	5-13(a)+(f)+(g)x2	Mumty Floor	Cu.ft.	-	486.050	-
		COLUMNS AND PILLARS				
8	CH:5 item 5-15(a) P-53	Providing and laying 1:1-5:3 in situ cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in super structure including compacting, curing, cost of form-work & its removal				
	5-15(a)	Ground Floor	Cu.ft.	5,536.125	359.500	1,990,236.938
	5-15(a)+(e)	First Floor	Cu.ft.	3,496.500	375.400	1,312,586.100
	5-15(a)+(e)+(f)	Second Floor	Cu.ft.	3,496.500	386.300	1,350,697.950
	5-15(a)+(e)+(f)x2	Mumty Floor	Cu.ft.	44.888	397.200	17,829.315
		BEAMS, SLABS AND LINTELS				
9	CH:5 item 5-49(a)	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in Plinth beams , lintels and cantilevers of required shape or section including formwork and its removal compacting and curing.				
	5-49(a)	Ground Floor	Cu.ft.	2,529.975	296.200	749,378.595
10	CH:5 item 5-16(a)	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in beams, lintels and cantilevers of required shape or section including formwork and its removal compacting and curing.				
	5-16(a)	Ground Floor	Cu.ft.	4,057.233	318.350	1,291,620.066
	5-16(a)+(b)	First Floor	Cu.ft.	4,099.364	333.300	1,366,318.042
	5-16(a)+(b)+c	Second Floor	Cu.ft.	4,086.961	345.250	1,411,023.264
	5-16(a)+(b)+c	Mumty Floor	Cu.ft.	150.084	357.200	53,610.139
11	CH:5 item 17-(a)(i) P-53	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in slabs including formwork and its removal, compacting and curing. a) Upto 6" (150 mm) thickness				
	5-17-(a)(i)	Ground Floor	Cu.ft.	6,997.725	327.300	2,290,355.393
	5-17-(a) (i)+(ii)	First Floor	Cu.ft.	6,521.025	343.150	2,237,689.729
	5-17-(a)(i)+(ii) + (iii)	Second Floor	Cu.ft.	6,517.350	355.050	2,313,985.118
	5-17-(a) (i) (ii) + (iii)x2	Mumty Floor	Cu.ft.	99.750	366.950	36,603.263
		BALCONY, SUN SHADES, PARAPETS, EAVE BOARDS AND STAIRS				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
12	CH:5 item 5-20(a) P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in balustrade of stairs or balcony, sun breakers, sun shades, parapets and eave boards upto 3" (75 mm) of required shape or section including formwork & its removal, compacting and curing.				
	5-20(a)+24-1	Ground Floor	Cu.ft.		374.700	-
	5-20(a)+(b)	First Floor	Cu.ft.	-	395.250	-
	5-20(a)+(b)+(c)	Second Floor	Cu.ft.	330.750	410.700	135,839.025
	5-20(a)+(b)+(c)x2+	Mumty Floor	Cu.ft.	964.688	426.150	411,101.578
13	CH:5 item 5-21(a)P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in stairs of any shape or section including formwork & its removal, compacting and curing.				
	5-21(a)	Ground Floor	Cu.ft.	2,999.456	299.400	898,037.201
	5-21(a)+(b)	First Floor	Cu.ft.	1,142.400	312.450	356,942.880
	5-21(a)+(b)+c	Second Floor	Cu.ft.	1,142.400	322.250	368,138.400
		Steel Reinforcement				
14	CH:5 item 65 P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening ,removal of rust, cutting, bending, binding, wastage and providingsuch over-laps as are not shown on the drawings. The cost of bindingwire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m)height				
	(a)	Ground Floor	Tonne	124.854	130,426.050	16,284,266.963
	(a+f)	First Floor	Tonne	71.452	132,559.750	9,471,629.320
	(a+f+g)	Second Floor	Tonne	71.675	133,839.950	9,593,029.100
	(a+f+gx2)	Mumty Floor	Tonne	5.460	135,120.150	737,700.445
		Brick Masonry				
15	CH:11 item 3 P-84 & 85	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing (iv) Cement sand mortor (1:5)				
	(b) (iv)	Above 4.5" (115mm) thick Solid Brick Masonry	Cu.ft.	601.000	239.400	143,879.400
15	CH:11 item 12 P-86 & 87	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing (iii).Cement sand mortar 1 : 4				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
15.1	a)	4.5" (115 mm) thick Solid Brick masonry				
	11-12(iii)	Ground Floor	Cu.ft.	1,306.315	277.250	362,175.790
	11-12(iii)+11-26(i)	First Floor	Cu.ft.	804.040	296.350	238,277.330
	11-12(iii)+11-26(a+b)	Second Floor	Cu.ft.	804.040	308.600	248,126.823
	11-12(iii)+11-26(a+b)	Mumty Floor	Cu.ft.	-	320.850	-
15.2	b)	9" (225 mm) thick Solid Brick masonry				
	11-12(iv)	Ground Floor	Cu.ft.	16,600.894	256.050	4,250,658.845
	11-12(iv)+11-26(a)	First Floor	Cu.ft.	17,079.891	275.150	4,699,531.905
	11-12(iv)+11-26(a+b)	Second Floor	Cu.ft.	17,079.891	287.400	4,908,760.566
	11-12(iv)+11-26(a+b)	Mumty Floor	Cu.ft.	429.295	299.650	128,638.127
		Flooring				
16	Ch-14 item 1(b) P-118	Providing and laying hand mixed 1 : 4 : 8 cement concrete bed under floors using graded Crushed Aggregate upto 1-1/2" (37 mm) and down gauge complete with leveling, ramming, watering and curing.	Cu.ft.	3,422.725	145.650	498,519.853
17	Ch-14 item 44-1 P-123	Providing, laying, watering and compacting brick ballast 2" (50 mm) and down gauge mixed with 25% sand for floor foundation.	Cu.ft.	6,845.449	54.350	372,050.175
18	Ch-14 item 4-d+6d+e P-119	Providing and laying terrazzo/mosaic floor 3/4" (19mm) thick terrazzo topping 1:2 (one cement & 2 marble chips) over 1" (25mm) thick base of 1:2:4 cement concrete using crushed aggregate 3/4" (19mm) and down grade laid in panels or approved pattern including formwork, curing, cutting, removing and polishing.				
	4-d	Ground Floor	Sq.ft.	2,894.850	102.550	296,866.868
19	Ch-14 item 50-a P-124	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing.				
	50-a	Ground Floor	Sq.ft.	-	81.650	-
20	Ch-14 item 43-1 P-123	Providing glass strips 1/4" (5 mm) thick and 1-1/2" (37.5 mm) wide for dividing the terrazzo/mosaic flooring into panels. The cost of fixing is deemed to have been taken in composite rate of respective item.	R.ft.	1,823.756	6.450	11,763.223
21	Ch-14-9 - 14-11 B	Providing and laying 3/4" (19 mm) thick floor 12"x12" Badal marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	14-9-14-11 b	Ground Floor	Sq.ft.	9,371.414	158.600	1,486,306.270
	14-24- c	First Floor	Sq.ft.	10,109.482	162.000	1,637,736.089
	14-24- c+d	Second Floor	Sq.ft.	10,109.482	164.950	1,667,559.061
	14-24- c+d	Mumty Floor	Sq.ft.	52.500	167.900	8,814.750
22	Ch-14 54a- - 14-54 c	Providing and fixing 3/8" (9mm) thick Badal marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, grinding, cleaning & polishing.				
	54 c	Ground Floor	Sq.ft.	869.929	125.100	108,828.143
	55-a+c	First Floor	Sq.ft.	1,228.516	128.500	157,864.274
	55 a+c+d	Second Floor	Sq.ft.	1,239.684	130.950	162,336.630
	55-a+c+dx2	Mumty Floor	Sq.ft.	10.490	133.400	1,399.299
23	Ch-14 item 9- b+11-b P-120	Providing and laying 3/4" (19 mm) thick marble tiles floor Lasbella 12"x12" marble tiles floor fine dressed on surface without winding and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				
	9-b+11-b	Ground Floor	Sq.ft.	102.900	227.700	23,430.330
24	Ch-14 item 9 c 1+24a P-120	Providing and laying super white 1" thick 12"x12" marble stair step/ slab fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				
	9c-1+24a	Ground Floor	Sq.ft.	1,163.400	495.550	576,522.870
	9c-1+24a+c	First Floor	Sq.ft.	722.400	498.950	360,441.480
25	Ch-14-25 a	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing				
	14-25a	Ground Floor	Sq.ft.	1,830.099	182.250	333,535.509
	14-25 -a+c	First Floor	Sq.ft.	1,113.919	184.700	205,740.793
	14-25-a+c+d	Second Floor	Sq.ft.	1,113.919	186.150	207,355.975

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
26	Ch-14 64a- - 14-64 c	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.				
	64a	Ground Floor	Sq.ft.	3,901.335	144.050	561,987.247
	64-a+c	First Floor	Sq.ft.	3,031.996	146.500	444,187.377
	64-a+c+d	Second Floor	Sq.ft.	3,032.832	148.200	449,465.714
27	Ch-14 item 22- 1 P-120	Extra for making nosing of treads as per design and/or as per instructions of the Engineer-in charge including grinding marble/marble chips and polishing etc.	R.ft.	1,316.700	40.600	53,458.020
28	Ch-14 item 54- a P-124	Providing and fixing 3/8" (9mm) thick Lasbela marble tiles dressed on the surface in dado/skirting and facing over 1/2" (13mm) thick base of cement sand mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, grinding, cleaning & polishing.				
	54-a	Ground Floor	Sq.ft.	2,193.975	133.600	293,115.060
29	Ch-15 item 51- a P-137	Providing and laying 3/4"(19mm) thick Granite black (local) polished slab including nosing on Kitchen and other tops of approved design over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.				
	51-a	Ground Floor	Sq.ft.	111.300	703.020	78,246.126
	51-a+46a	First Floor	Sq.ft.	63.000	773.322	48,719.286
	51-a+46a+b	Second Floor	Sq.ft.	63.000	826.049	52,041.056
		Finishing				
29	Ch-15 item 1 (b)(ii)+34a+35 a P-129+133	3/8 inch (9.5 mm.) thick cement sand plaster using Coarse Sand 1:4 cement mortar ratio on soffits of ceiling, cantilever slabs, sides and soffits of beams, including making edges, corners and curing.				
	1(b)(ii)	Ground Floor	Sq.ft.	10,738.299	23.400	251,276.192
	1(b)(ii)+34a	First Floor	Sq.ft.	11,223.401	37.400	419,755.189
	1(b)(ii)+34a+35	Second Floor	Sq.ft.	11,223.401	49.550	556,119.509
	1(b)(ii)+34a+35ax2	Mumty Floor	Sq.ft.	158.550	61.700	9,782.535
30	Ch-15 item 3 (iii)+34a+35a P-129+133	13mm (1/2") thick cement plaster 1:4 cement mortar ratio on Internal wall and coloumns including making edges cornor and curing.				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	3 (iii)	Ground Floor	Sq.ft.	39,171.300	22.950	898,981.335
	3 (iii)+34a	First Floor	Sq.ft.	49,658.438	36.950	1,834,879.266
	3 (iii)+34a+35a	Second Floor	Sq.ft.	49,658.438	49.100	2,438,229.281
	3(iii)+34a+35a x2	Mumty Floor	Sq.ft.	1,072.313	61.250	65,679.141
31	Ch-15 item 4 (iii) P-130+133	3/4 inch (19mm) thick cement plaster 1:4 cement mortor ratio using Coarse Sand on Externl walls and columns including making edges, corners and curing.				
	4 (iii)	Ground Floor	Sq.ft.	2,293.200	27.450	62,948.340
	4 (iii)+34b	First Floor	Sq.ft.	9,717.750	42.350	411,546.713
	4 (iii)+34b+35b	Second Floor	Sq.ft.	9,717.750	55.400	538,363.350
	4(iii)+34b+35b x2	Mumty Floor	Sq.ft.	5,417.475	68.450	370,826.164
2	15-58 b	Providing and Fixing Face work with brick tiles (Gutka) on interior, exterior wall with cement sand mortar 1:3 includings ties and scaffolding complete in all respects 3"x 3" x 9"	Sft	8,051.400	183.350	1,476,224.190
		Wood Work				
32	Ch-16 item 92-1 P-156	Making of Kitchen Cabinet 8'x3' make up from Veneer board (MEDIUM DENSITY) Laminated on both sides, and hanging on wall, i/c all hardwares				
	92-1	Ground Floor	Sq.ft.	184.538	1,075.650	198,497.762
33	Ch-16 item 82-c P-154	Providing and fixing wooden box type wardrobe 22" (550mm) deep including 3/4" (19mm) thick boxing and shelves hanger rods, hardboard 3/16" (5mm) thick back drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting.				
	82-c	Ground Floor	Sq.ft.	1,081.500	636.600	688,482.900
	82-c+87-a	First Floor	Sq.ft.	2,152.500	700.260	1,507,309.650
	82-c+87-a+b	Second Floor	Sq.ft.	2,152.500	748.005	1,610,080.763
34	Ch-16 item 11-a-ii P-142	Providing and fixing 1.5" (38mm) thick pressed veneered Teak wood door shutters fully flushed 5 Ply with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved brass hinges, tower bolts as required c).Laminated board 3/4" (19mm) thick boxing, shelves and back with 3/4" thick deodar wood vaneer board.				
	11-a-ii	Ground Floor	Sq.ft.	1,310.400	783.200	1,026,305.280
	11-a-ii+87-a	First Floor	Sq.ft.	1,247.400	861.520	1,074,660.048
	11-a-ii+87-a+b	Second Floor	Sq.ft.	1,335.600	920.260	1,229,099.256

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	11-a-ii+87-a+bx2	Mumty Floor	Sq.ft.	29.400	979.000	28,782.600
35	Ch-16 item 97-1+87-a P-157+155	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineerin-charge				
	97-1	Ground Floor	Rft	325.238	247.300	80,431.234
	97-1+87-a	First Floor	Rft	273.000	272.030	74,264.190
	97-1+87-a+b	Second Floor	Rft	238.875	290.578	69,411.700
36	Ch-16 item 98-1+87-a P-157+155	Providing and fixing 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size. 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.				
	98-1	Ground Floor	Sq.ft.	325.238	645.250	209,859.497
	98-1+87-a	First Floor	Sq.ft.	264.600	709.775	187,806.465
	98-1+87-a+b	Second Floor	Sq.ft.	238.875	758.169	181,107.560
37	Ch-16 item 66-a+87a+b P-151+155	Providing and fixing Union lock (Local) with brass or specially supplied screws of approved design including cutting wood to requires shape and size with two operating keys as per direction of the engineer - in-charge.				
	66-a	Ground Floor	Each	61.000	763.500	46,573.500
	66-a+87-a	First Floor	Each	59.000	839.850	49,551.150

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	66-a+87-a+b	Second Floor	Each	60.000	897.113	53,826.750
	66-a+87-a+bx2	Mumty Floor	Each	1.000	954.375	954.375
38	Ch-16 item 74-b(ii)+87a+b P-152+155	Providing and fixing approved Chromium plated brass sliding bolts or aldrop bolt of sizes with screws of same metal and G.I. bolts and nuts Brass sliding bolts 10" x 5/8" (250 mm x 16 mm) size				
	74-b(ii)	Ground Floor	Each	61.000	854.100	52,100.100
	74-b(ii)+87-a	First Floor	Each	59.000	939.510	55,431.090
	74-b(ii)+87-a+b	Second Floor	Each	60.000	1,003.568	60,214.050
	74-b(ii)+87-a+bx2	Mumty Floor	Each	1.000	1,067.625	1,067.625
39	Ch-16 item 66-f+87-a+b P-151+155	Providing and fixing Hydraulic door closer Hydraulic door closer, New star make with brass or specially supplied screws of approved design including cutting wood to required shape as per direction of the engineer in charge etc.				
	66-f	Ground Floor	Each	1.000	2,277.600	2,277.600
	66-f+87-a	First Floor	Each	-	2,505.360	-
		Painting and Warnishing				
40	Ch-17 item 67-1+47 a&b P-168	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats in Ceiling over and including the cost of priming coat including preparation of surface viz. dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ atleast 2.20 Litre per 10 Sq.m)				
	67-1	Ground Floor	Sq.ft.	11,275.214	16.950	191,114.873
	67-1+47-a	First Floor	Sq.ft.	11,784.571	18.645	219,723.323
	67-1+47-a+b	Second Floor	Sq.ft.	11,784.571	19.916	234,704.459
	67-1+47-a+bx2	Mumty Floor	Sq.ft.	166.478	21.188	3,527.242
41	Ch-17 item 8-1+47 a&b P-159	Painting with ICI/Berger or equivalent plastic emulsion paint on Wall of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)				
	8-1	Ground Floor	Sq.ft.	41,129.865	31.900	1,312,042.694
	8-1+47-a	First Floor	Sq.ft.	52,141.359	35.090	1,829,640.300
	8-1+47-a+b	Second Floor	Sq.ft.	52,141.359	37.483	1,954,388.503

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	8-1+47-a+bx2	Mumty Floor	Sq.ft.	1,125.928	39.875	44,896.384
42	Ch-17 item 15-b + 47 a&b P-160	Supply & Applying french or spirit polish of approved make on wood work in ground floor or basement Two coats (@ atleast 1.65 Litre per 10 Sq.m)				
	15-b	Ground Floor	Sq.ft.	2,620.800	42.550	111,515.040
	15-b+47-a	First Floor	Sq.ft.	2,494.800	46.805	116,769.114
	15-b+47-a+b	Second Floor	Sq.ft.	2,671.200	49.996	133,549.983
	15-b+47-a+bx2	Mumty Floor	Sq.ft.	58.800	53.507	3,146.190
43	Ch-17 item 7-1 + 47 a&b P-159	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m)				
	7-1	Ground Floor	Sq.ft.	3,188.850	27.300	87,055.605
	7-1+47-a	First Floor	Sq.ft.	3,565.800	30.030	107,080.974
	7-1+47-a+b	Second Floor	Sq.ft.	3,557.925	32.078	114,129.339
	7-1+47-a+bx2	Mumty Floor	Sq.ft.	105.000	34.330	3,604.624
44	Ch-17 item 6-1 + 47 a&b P-159	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)				
	6-1	Ground Floor	Sq.ft.	144.375	28.850	4,165.219
45-A	Ch-17 item 69-1 P-168	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10				
	69-1	Ground Floor	Sq.ft.	2,407.860	31.800	76,569.948
	69-1+47-a	First Floor	Sq.ft.	10,203.638	34.980	356,923.240
	69-1+47-a	Second Floor	Sq.ft.	10,203.638	38.478	392,615.564
	69-1+47-a	Mummtly floor	Sq.ft.	5,688.349	42.326	240,763.912
		Iron, Steel and Aluminium Works				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
45	Ch-28 item 40 a&b + 67-a&b P-168+274+279	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.				
	b)	8"-10" (200mm-250 mm) size				
	40-b	Ground Floor	R.ft.	872.025	509.350	444,165.934
	40-b+67-a	First Floor	R.ft.	878.325	560.285	492,112.323
	40-b+67-a+b	Second Floor	R.ft.	939.750	598.486	562,427.453
	40-b+67-a+bx2	Mumty Floor	R.ft.	20.475	636.688	13,036.177
46	Ch-28+16 item 41-1+86-b(iv)+67-a&b P-274+155+279	Providing and fixing fully glazed Aluminium swing doors 2.0mm of anodized Champagne or approved color (12 microns) or any approved section including Aluminium fittings, hungs, cutting holes and making good damages to walls, including 6 mm. thick clear imported glass panes.				
	41-1+86-b(iv)	Ground Floor	Sq.ft.	-	1,106.850	-
	41-1+86-b(iv)+67-a	First Floor	Sq.ft.	-	1,217.535	-
47	Ch-28 item 25-1 + 67-a&b P-273+279	Providing and fixing fully glazed fixed aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Alcop, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5mm local tinted glass, lugs, cutting holes and making good the damages to walls.				
	25-1	Ground Floor	Sq.ft.	52.500	805.450	42,286.125
	25-1+67-a	First Floor	Sq.ft.	-	885.995	-
48	Ch-28 item 26 a&b + 67-a&b P-273+279	Providing and fixing fully glazed partly fixed and partly hung or sliding aluminium windows (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawal, Alcop, Pakistan Cable or any approved section as approved by Engineer Incharge including aluminium fittings, 5mm local tinted glass, lugs, cutting holes and making good the damages to walls.i/c Providing and fixing fixed or sliding fibre wire gauze in aluminium frame as approved by Engineer incharge including aluminium fittings etc.				
	26-a&b	Ground Floor	Sq.ft.	1,525.125	1,050.050	1,601,457.506
	26-a&b+67-a	First Floor	Sq.ft.	1,782.900	1,155.055	2,059,347.560

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	26-a&b+67-a+b	Second Floor	Sq.ft.	1,778.963	1,233.809	2,194,899.498
	26-a&b+67-a+bx2	Mumty Floor	Sq.ft.	42.000	1,312.563	55,127.625
49	Ch-28 item 82-1 + 67-a&b P-280+279	Providing and fixing 2'-9" high Stair hand railing comprising of 2½" dia 16 gauge S.S pipe hand rail fixed with 2½" dia pipe blusters at specified distance fixed at top of steps with expansion bolts, 2 Nos. of 16 gauge 1" dia S.S pipes horizontally fixed with blusters, Complete in all respects.				
	82-1	Ground Floor	R.ft.	183.750	2,005.700	368,547.375
	82-1+67-a	First Floor	R.ft.	105.000	2,206.270	231,658.350
	82-1+67-a+b	Second Floor	R.ft.	105.000	2,356.698	247,453.238
50	Ch-28 item 54-a + 67-a&b P-276+279	Providing and fixing terrace railing of 2" (50mm) internal dia steel pipe welded with square or round bars 2.75 ft high at 5" c/c and embedded in reinforced cement concrete as per design and drawing including cost of cement mortar 1:4 and two coats of paint.				
	54-a	Ground Floor	R.ft.	-	678.600	-
	54-a+67-a	First Floor	R.ft.	134.400	746.460	100,324.224
	54-a+67-a+b	Second Floor	R.ft.	-	797.355	-
50	Ch-28 item 28-1 P-273	Providing and fixing iron grills with square bars of 3/8" size as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, painting with two coats of red oxide paint and fixing in masonry/concrete or wood				
	28-1	Ground Floor	Sq.ft.	1,525.125	330.600	504,206.325
	28-1+87-a	First Floor	Sq.ft.	1,782.900	363.660	648,369.414
	28-1+87-a+b	Second Floor	Sq.ft.	1,778.963	388.455	691,046.878
	28-1+87-a+bx2	Mumty Floor	Sq.ft.	52.500	413.250	21,695.625
47-A	28-87-1	Aluminium Louvers 50 mm in Depth and 1.3 mm thick, Supported by 2mm Thick 75 mm x 70 mm Square Aluminium Frame, Complete in all respect.	Sq.ft.	300.000	675.500	202,650.000
		Roofing & Water Proofing				
51	Ch-8 item 18-a P-71	Providing and laying 1:2:4 cement concrete using Coarse Sand and crushed aggregate ¾" (19mm) and down gauge in terraces 3" (75 mm) average thickness to required slope in panels including formwork, consolidation, finishing, curing, painting the surface with plastic bitumen No.4 at the rate of 0.73 Kg per Sq.m. blinded with sand at the rate of 0.006 Cu.m. per Sq.m.				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	18-a	Ground Floor	Sq.ft.	-	87.800	-
	18-a+b	First Floor	Sq.ft.	845.250	99.500	84,102.375
	18-a+bx2	Second Floor	Sq.ft.	12,986.400	111.200	1,444,087.680
	18-a+bx3	Mumty Floor	Sq.ft.	165.900	122.900	20,389.110
52	Ch-13 item 13-5-1 P-110	Providing and laying roof insulation comprising single layer of first class burnt brick tile 9"x 4.5"x 1.5" laid with 1:6 cement sand mortar and grouted with 1:3 cement sand mortar laid over 4inches (100mm) thick earth and 1inch (25mm) thick mud plaster without bhoosa over two coats of hot bitumen @ 34 lbs. per 100 Sq.ft.(1.65 Kg/Sq.m) sand blended covered with polythene sheet 300 gauge including curing etc. complete in all respect.				
	13-5-1	Ground Floor	Sq.ft.	-	159.850	-
	13-5-1	First Floor	Sq.ft.	845.250	159.850	135,113.213
	13-5-1	Second Floor	Sq.ft.	12,986.400	159.850	2,075,876.040
		Mumty Floor	Sq.ft.	165.900	160.850	26,685.015
53	Ch-13 item 10-1+52a+b P-111+115	Providing Khurras on roof 24" x 24" x 2" (600mm x 600mm x 50mm) size including water proofing admixture @ 2 % of cement content or as otherwise advised by manufacturer				
	10-1	Ground Floor	Each	4.000	675.900	2,703.600
	10-1+52a	First Floor	Each	-	743.490	-
	10-1+52a+b	Second Floor	Each	10.000	794.183	7,941.825
	10-1+52a+bx2	Mumty Floor	Each	1.000	844.875	844.875
54	Ch-13 item 11-52a P-111+115	Providing bottom khurras of brick masonry in cement sand mortar 1:6, size 48"x24"x 1.5" (1250mmx 600mmx 38mm) over 3inches (75mm) thick cement concrete 1:4:8 including water proofing admixture @ 2 % of cement content or as otherwise advised by manufacturer				
	11-1	Ground Floor	Each	4.000	1,169.450	4,677.800
	11-1+52a	First Floor	Each	-	1,286.395	-
	11-1+52a+b	Second Floor	Each	10.000	1,374.104	13,741.038
	11-1+52a+bx2	Mumty Floor	Each	1.000	1,470.583	1,470.583
55	Ch-13 item 60-b P-116	Providing and fixing P.V.C rain water down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1:2:4. b)4" (100 mm) dia.				
	11-1	Ground Floor	R.ft.	63.000	116.500	7,339.500
	11-1+52a	First Floor	R.ft.	-	128.150	-
	11-1+52a+b	Second Floor	R.ft.	1.000	136.888	136.888

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	11-1+52a+bX2	Mumty Floor	R.ft.	21.000	145.625	3,058.125
56	Ch-13 item 61-b	Providing and fixing P.V.C. socket for rain water downpipe.				
	61-b	Ground Floor	Each	4.000	398.400	1,593.600
	161-b+52a	First Floor	Each	-	438.240	-
	61-b+52a+b	Second Floor	Each	20.000	468.120	9,362.400
	61-b+52a+bx2	Mumty Floor	Each	1.000	500.988	500.988
57	Ch-13 item 62-b P-116	Providing and fixing P.V.C bend of any degree for rain water down pipe with M.S. clamps bolts and nuts in cement concrete 1:2:4.				
	62-b	Ground Floor	Each	4.000	1,044.650	4,178.600
	62-b+52a	First Floor	Each	-	1,149.115	-
	62-b+52a+b	Second Floor	Each	20.000	1,227.464	24,549.275
	62-b+52a+bx2	Mumty Floor	Each	1.000	1,313.647	1,313.647
58	Ch-13 item 63-b P-116	Providing and fixing PVC offset of any degree for rain-water down pipe on walls with M.S. clamps, bolts and nuts in cement concrete 1:2:4.				
	63-b	Ground Floor	Each	4.000	1,044.650	4,178.600
	63-b+52a	First Floor	Each	-	1,149.115	-
	63-b+52a+b	Second Floor	Each	20.000	1,227.464	24,549.275
	63-b+52a+bx2	Mumty Floor	Each	1.000	1,313.647	1,313.647
		Total "A"(Schedule items) C/o to Summary of Cost:				129,438,124.129
1	N.S	Providing and Fixing Chicken Wire Mesh (12" Wide) for horizontal and vertical joints of masonry and concrete with nails and screws i/c all cost of labour and material complete in all respects, as approved by The Engineer.	Rft	24,402.00		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				

CONSTRUCTION OF STUDENT
HOSTEL
PUBLIC HEALTH WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

**BILL OF QUANTITIES
PUBLIC HEALTH WORKS**

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
	Schedule Items					
		Plumbing Fixtures				
1		Providing and fixing European type glazed earthenware water closet ICL Ifo/Forte or approved equivalent make including cost of inlet pipe, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				
	23-3-a/P-198	i) White	Each	14.000	13,527.000	189,378.000
2		Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material. a) W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap				
	23-2-a(i)/P-198	i) White	Each	14.000	7,295.400	102,135.600
3	23-5/P-199	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material				
		b) Wash basin 24" (610 mm) Futura without pedestal i) White	Each	19.000	11,775.600	223,736.400
4	23-5/P-199	d) Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.				
		i) White	Each	7.000	417.750	2,924.250
5	23-23 b	Providing and fixing approved quality white glazed earthenware lavatory basin with 1/2" (15 mm) dia. single hole C.P. mixer tap, 2 way deluxe pillar tap, stop cocks, 6" C.I. or W.I. brackets built into walls, rubber plug, C.P. brass chain, C.P. brass waste, malleable iron or C.P. brass bottle trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material. Lavatory basin 25" x 18" (625 mm x 450 mm)				
			Each	17.000	16,575.600	281,785.200
6	23-8/P-199	Providing and fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material.				
		a) Stainless steel sink 40" x 20" (1000 mm x 500 mm)	Each	2.000	8,610.000	17,220.000
7	23-14-1/P-200	Providing and fixing approved quality C.P. brass toilet paper holder Master /Sonex or equivalent make.	Each	28.000	1,207.500	33,810.000

8	23-11-1/P-200	Providing and fixing standing shower concealed in wall with approved quality control valves, mixer unit and moveable shower head.	Each	21.000	12,540.000	263,340.000
9	23-13/P-200	Providing and fixing approved quality chromium plated towel rail with bracket and screws. a) Towel rail 24" x 3/4" (600mm x 20mm)	Each	40.000	1,923.000	76,920.000
10	23-15-1/P-200	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.	Sft	210.000	137.100	28,791.000
11	23-16/P-200	Providing and fixing shelf of standard size. b) Shelf (Master/Sonex make)	Each	21.000	2,463.750	51,738.750
12	23-29/P-201	Providing and fixing soap dish a) Chromium plated	Each	42.000	915.000	38,430.000
13	23-70-1	Providing and fixing Sonex/Master WC CR Shower including Connecting Flexible Pipe and bib cock including making requisite numbers of holes and making good with approved material.	Each	28.000	3,660.000	102,480.000
		<u>Gas Supply System</u>				
14	23-52/P-204	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe ILL make or equivalent gas line including the cost of jointing material. a) Light duty ii) 3/4" (20 mm) inner dia.	Rft	2515.000	234.750	590,396.250
		vi) 2" (50 mm) inner dia.	Rft	900.000	690.550	621,495.000
15	23-51	Providing and fixing brass gas cock.				
	b	3/4" i.d	No.	119.000	886.200	105,457.800
16	23-66	Providing and installing Gas geyser "CANON" including fitting & fitting accessories, complete in all respect as per specifications and drawings.				
	a	35 Gallon	Nos.	2.000	13,311.000	26,622.000
	b	50 gallon	Nos.	2.000	14,760.000	29,520.000
		<u>Water Supply System</u>				
17	27-47 a)	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material				
		25mm dia	Rft	1095.000	49.860	54,596.700
		32mm dia	Rft	850.000	55.960	47,566.000
		40mm dia	Rft	650.000	79.980	51,987.000
		50mm dia	Rft	525.000	115.220	60,490.500
		63mm dia	Rft	407.000	192.090	78,180.630
18	13-60	Providing and fixing P.V.C rain water down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1:2:4.				
	a	3" i.d	Rft	590.100	198.500	117,134.850
	b	4" i.d	Rft	544.840	116.500	63,473.860
19	13-61	Providing and fixing P.V.C. socket for rain water downpipe.				
	a	3" (75 mm) inner dia.	no	59.010	315.250	18,602.903
	b	4" (100 mm) inner dia.	no	54.484	398.400	21,706.426
20	13-62	Providing and fixing P.V.C bend of any degree for rain water down pipe with M.S. clamps bolts and nuts in cement concrete 1:2:4.				
	a	3" (75 mm) inner dia.	no	59.010	1,319.000	77,834.190
	b	4" (100 mm) inner dia.	no	54.484	1,044.650	56,916.711
21	23-39	Providing and fixing superior quality gun-metal peet/gate valve flanges end (Class150) of approved make.				
	b iv	30mm	Nos.	8.000	1,173.000	9,384.000
	b v	40 mm	Nos.	4.000	1,590.000	6,360.000
	b vi	50 mm	Nos.	6.000	1,824.000	10,944.000
	b vii	65mm		7.000	3,330.000	23,310.000
22	13-10	Providing Khurras on roof 24" x 24" x 2" (600mm x 600mm x 50mm) size including water proofing admixture @ 2 % of cement content or as otherwise advised by manufacturer.				
		i) 2'x2'.	Each	4.000	675.900	2,703.600
		<u>Over Head Water Tank</u>				
23	5-22/P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing..				
		b) Walls	Per Cft	840.000	277.750	233,310.000
		c) Top slab upto 6" (150 mm) thick	Per Cft	1147.500	327.300	375,576.750

24	5-65(a)/P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height.	Tonne	5.565	130,426.050	725,820.968
25	25-15-1/P-215	Providing and fixing 22 " dia. manhole cover in 6" (150 mm) thick RCC 1:2:4 slab with 5 lbs per Cu.ft steel with tee shaped C.I. frame of 20" (500mm) clear inner dia. frame weighing 37.50 kg. including cost of fixing material.	Per Set	2.000	6,613.200	13,226.400
26	5-38/P-59	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing. b) P.V.C. ribbed water stop 6" (150 mm) wide	Rft	224.000	110.200	24,684.800
		Sewerage System				
		Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock (i) The rate includes back filling after laying of sewer, which is payable separately. (ii) The rate for close/open shuttering & timbering will be as per item No. 3-43 & 3-44 where actually used at site. A) Upto 5 ft. (1.5 m) depth				
27	3-42/P-31	ii) Ordinary soil	Cft	1978.200	2.900	5,736.780
28	25-1/P-25	Providing and laying cement concrete pipes moulded with cement concrete 1:1.5:3 with spigot socket or collar joint as specified in trenches to correct alignment and grade, jointing with jointing materials including cutting pipes where necessary, finishing and testing. b) R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M including cost of reinforcement.				
		i) 9" (225 mm) inner dia.	Rft	329.700	297.100	97,953.870
29	25-02/P-213	Providing and fixing gulley trap with 4" (100mm) outlet, complete with 4" (100mm) thick 1:2:4 cement concrete using 3/4" (19mm) crushed aggregate for bed and kerb, 1/2" (13mm) thick cement plaster 1:3, 12"x12"x18" deep inside dimension chamber with C.I. grating 6"x6" cover and frame 12"x12". a) Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.	Each	4.000	4,540.200	18,160.800
30	25-4/P-213	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia. Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces, channels and benching including making requisite number of main and branch channels but excluding the cost of excavation, back filling and disposal of excavated stuff.	Each	8.000	12,811.700	102,493.600
31		Providing and fixing C.I. floor trap 4" dia. inlet and outlet with C.I. grating floor trap of approved self cleaning design with screwed down grating with or without a vent arm with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good with C.I. floor trap 6" x 4" size with grating including concrete chamber all round				
	23-9d	GROUND FLOOR	90	No	2,055.000	184,950.000
		Septic Tank				

32	3-21/P-30	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) A) Manual ii) Ordinary soil	Cft	506.445	7.050	3,570.436
33	5-2/P-49	Providing and laying plain hand mixed cement concrete using brick/Stone ballast 1-1/2" to 2" (40mm to 50mm) with approved source sand in foundation and plinth including leveling, compacting and curing. b) 1 : 4 : 8	Cft	20.891	144.150	3,011.416
34	5-22/P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing..				
		a) Foundation and floor slab	Per Cft	23.813	232.050	5,525.760
		b) Walls	Per Cft	137.130	277.750	38,087.858
		c) Top slab upto 6" (150 mm) thick	Per Cft	23.813	327.300	7,793.929
35	5-65(a)/P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height.	Tonne	0.517	130,426.050	67,471.441
36	25-15-1/P-215	Providing and fixing 22 " dia. manhole cover in 6" (150 mm) thick RCC 1:2:4 slab with 5 lbs per Cu.ft steel with tee shaped C.I. frame of 20" (500mm) clear inner dia. frame weighing 37.50 kg. including cost of fixing material.	Per Set	2.000	6,613.200	13,226.400
37	5-38/P-59	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing. b) P.V.C. ribbed water stop 6" (150 mm) wide	Rft	30.000	110.200	3,306.000
38	13-10	Providing Khurras on roof 24" x 24" x 2" (600mm x 600mm x 50mm) size including water proofing admixture @ 2 % of cement content or as otherwise advised by manufacturer.				
		i) 2'x2'.	Each	4.000	675.000	2,700.000
39	25-12 b	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels. C.I. foot rest	Each	26.000	200.400	5,210.400
		Total "A"(Schedule items) C/o to Summary of Cost:				5,419,189.226
		<u>Non Schedule Items</u>				
		<u>Part-3: Sewerage System</u>				
1	NS	Providing, laying, fixing and testing uPVC Nicasi soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints,VODA PIPES/DADEX Or Approved Equivalent make as approved by the Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc., embedded in floors and walls, clamped to walls, suspended from slab (common hanger shall be used for pipe hanging and fiber glass tray under pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respect as per specifications and drawings.				
		2" i.d	Rft	600		
2	NS	Providing, fixing, cutting, jointing and testing uPVC Vent Cowel on Vent Pipes with solvent cement jointing, VODA PIPES/DADEX or approved equivalent, rates include cost of cutting & pipe fittings of the following diameter:				
		2" i.d	Nos	15		

3	NS	Providing and fixing clean out with threads ferule fixed in pipe with the help of solvent, as shown on drawing, complete in all respects as per specifications and drawings.				
		3" i.d	Nos.	8		
		4" i.d	Nos.	24		
4		Providing and making Rain water collection pit internal size 24"x24" including 9" thick brick masonry (1:4), 1/2" th. Plastering (1:5) i/side, benching with PCC 1:2:4 4" th. with cement finish, including steel grating cover, complete in all respect as per specifications, drawings & Engineer in charge.	Each	2		
		PART-4: Gas Supply System				
5		Providing and installing ball valves of following nominal dia, Kitz make, including jointing, fitting, painting, testing, complete in all respects to match with following G.I pipe diameters.				
	NS	3/4" i.d	No.	4.00		
5	NS	Providing, fixing & testing Gas meter as per Sui Northern gas with All Accessories. complete in all respect as per drawings, Specification & Engineer In Charge.	No.	1		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				

CONSTRUCTION OF STUDENT
HOSTEL
ELECTRICAL WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

ELECTRICAL WORKS

BILL OF QUANTITIES

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
A) Schedule Items						
1		<u>Light Circuits.</u>				
	1.1	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.				
		Item 30-1 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	39.000	4,433.250	172,896.750
	1.2	Light circuit concealed/open wiring with length upto 65 ft. (20m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.				
		Item 30-2 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	33.000	3,546.600	117,037.800
2		<u>1st Light Point Controlled By One Switch</u>				
	2.1	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,				
		Item 30-3 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	261.000	1,877.300	489,975.300
3		<u>Point to Point Controlled By One Switch</u>				
	3.1	Concealed/open wiring from point to point with length upto 10 ft. (3m) with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables.				
		Item 30-4 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	520.000	563.200	292,864.000
3		<u>2 Way Light Point Controlled By One Switch</u>				
		Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from switches to point is upto 40 ft. (12.5 m) with 3x1.5Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables				
		Item 30-6 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	13.000	3,284.650	42,700.450
2		<u>Exhaust Fan Points</u>				
	2.1	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,				
		Item 30-3 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	74.000	1,877.300	138,920.200
2		<u>Ceiling / Wall Bracket Fan Points</u>				
	2.1	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,				
		Item 30-3 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	157.000	1,877.300	294,736.100
4		<u>1- 13 Amps Switch Socket</u>				
	4.1	Wiring of 13 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8 7sq mm (10SWG) copper wire as earth continuity conductor and	Rft	11050.000	101.950	1,126,547.500

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

ELECTRICAL WORKS

BILL OF QUANTITIES

Item. No.		REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	4.2	Item 30-10	Wiring of 5 Amps. socket outlet with 2.5 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	6895.000	69.550	479,547.250
4			<u>1 x 3 Pin 15 Amps Switch Socket</u>				
	4.1	Item 30-9	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	650.000	101.950	66,267.500
5			<u>Switch & Socket</u>				
	5.1	Item 30-129	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	22.000	792.600	17,437.200
	5.1	Item 30-130	Supply and install with 2 gang switch, 5 Amp, 250 Volt,. plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	38.000	931.400	35,393.200
	5.1	Item 30-131	Supply and install with 3 gang switch, 5 Amp, 250 Volt,. plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	60.000	1,017.400	61,044.000
	5.1	Item 30-132	Supply and install with 4 up to 6 gang switch, 5 Amp, 250 Volt,. plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	120.000	1,103.400	132,408.000
	5.3	Item 30-133	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.	No.	13.000	1,888.600	24,551.800
	5.2	Item 30-134	Supply and install 5 Amp, 250 Volt moulded, one-way, single pole, flush mounting piano type light control switch alongwith fan dimmers on appropriate size plastic box to be fixed recessed in wall alongwith switch box and plate suitable for upto 3 switches on a common board (Clipsal-Schneider or equivalent)	No.	157.000	3,008.500	472,334.500
	5.4	Item 30-19	Supply and install combined 3 pin 5 Amps, 250 Volt switch socket unit including plastic box to be fixed recessed in wall.	No.	197.000	938.750	184,933.750
	5.5	Item 30-20	Supply and install combined 3 pin 15 Amps. switch socket unit including plastic box to be fixed recessed in wall.	No.	15.000	1,045.000	15,675.000
2			<u>PVC Pipe</u>				
		Item 30-21	Supply and installation of 3/4" (20 mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	800.000	19.700	15,760.000
		Item 30-22	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	800.000	24.650	19,720.000
		Item 30-23	Supply and installation of 1.25" (30mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	800.000	31.050	24,840.000
		Item 30-24	Supply and installation of 1.5" (40mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	800.000	39.850	31,880.000
		Item 30-25	Supply and installation of 2" (50mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	500.000	54.100	27,050.000
6			<u>L.T. Power Cables</u>				
	6.1	Item 30-40	Supply and install 25 sq.mm, 3.5 core, PVC insulated and sheathed multicore, 600/1000V cable with copper conductor directly clipped on surface of wall, column, beam, ceiling, etc. for power wiring.	Rft	650.000	666.200	433,030.000
	6.3	Item 30-45	Supply and install 120 sq.mm, 3.5 core, PVC insulated and sheathed multicore, 600/1000V cable with copper conductor directly clipped on surface of wall, column, beam, ceiling, etc. for power wiring.	Rft	150.000	2,202.000	330,300.000
7			<u>Circuit Protective Conductor (CPC)</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

ELECTRICAL WORKS

BILL OF QUANTITIES

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
7.1	Item 30-36	Supply and install 16 sq.mm cable. PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	650.000	109.600	71,240.000
7.2	Item 30-39	Supply and install 2x 50 sq.mm cable. PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	150.000	331.650	49,747.500
9		<u>Ceiling Fans</u>				
	Item 30-107	Supply, install, connect Ceiling Fan energy efficient model as approved and rated 3-Star by NEECA with power consumption of less than 80 W+10%	Each	157.000	5,577.000	875,589.000
10		<u>Exhaust Fans</u>				
	Item 30-113	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.	Each	74.000	2,760.000	204,240.000
12		<u>L.T. Switchgear</u>				
		<u>Distribution Board Concealed</u>				
12.2		<u>DBLP-1G</u>				
a	Item 30-108(a)	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising one incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. alongwith three Digital Amp. meters with lights.	Each	6.000	25,356.000	152,136.000
b	Item 30-116(b)	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)	Each	108.000	2,748.000	296,784.000
13		<u>Earthing System</u>				
13.1	Item 30-91	Supply and install pair of earth electrode each comprising 24"x12" (600mmx 3mm) thick copper plate buried 13 ft. (4m) deep underground in upright position in a pit and surrounded by mixture of salt and charcoal (1:3), 12" (300mm) min dia around the plate. The job also includes providing and fixing all accessories such as nuts, bolts, washers, 2x3/0 SWG (2x70mm) copper conductor earthing, lead.	Job	4.000	60,471.150	241,884.600
13.2	Item 30-97	Construction of 20" x 20" (500mm x 500 mm) square inspection chamber for earth electrodes including medium duty C.I. cover and all associated civil works.	Job	4.000	7,948.950	31,795.800
14		<u>Telephone System</u>				
14.1	Item 30-100	Supply and install recessed type telephone distribution box suitable for 30 pair including appropriate size 16 SWG sheet steel box with hinged, latched and lockable cover.	Job	3.000	7,521.550	22,564.650
16		<u>CCTV System</u>				
16.1	Item 31-4(a)	Supply and Install, connect, test and commission of CCTV cameras (Chinese) complete with power cord, interconnecting cables and mounting brackets & accessories. Indoor/Outdoor IP based static Camera with Full HD, 30-60 fps, 6 - 8 viewing profile, inbuilt IR, SD card supported, PoE.	Each	6.000	68,697.000	412,182.000
16.2	Item 31-5(b)	Network Video Recorder (NVR): 16 channel, >320 Mbps with 2x3TB storage/HDD, complete with all cables and allied mounting brackets & accessories.	Each	1.000	499,800.000	499,800.000
16.3	Item 31-7	Supply & Installation of 24 port Layer-2 manageable PoE enabled switch with 4U Rack & patch panel.	Each	1.000	127,500.000	127,500.000
Total "A"(Schedule items) C/o to Summary of Cost:						8,033,313.850
B) Non-Schedule Items.						
1		<u>Incandescent Fittings</u>				
1.1	Appendix 'c' Page No-9	Supply and installation of Make Philips, Sunlight, lumilux Surface mounted down light fixture with 17 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	29		
1.2	Appendix 'c' Page No-10	Supply and installation of Make Philips, Sunlight, lumilux Surface mounted down light fixture with 13 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	316		

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

ELECTRICAL WORKS

BILL OF QUANTITIES

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1.3	Appendix ' c' Page No-11	Supply and installation of Make Philips, Sunlight, lumilux Surface mounted down light fixture with 10 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	10		
1.4	Appendix ' c' Page No-12	Supply and installation of Make Philips, Sunlight, lumilux LED Venty Light 07 Watt, complete with all necessary materials / accessories, complete in all respects.	Nos.	26		
1.5	Appendix ' c' Page No-13	Supply and installation of Make Philips, Sunlight, lumilux LED Outdoor Wall Light 14 Watt, complete with all necessary materials / accessories, complete in all respects.	Nos.	141		
1.5	Appendix ' c' Page No-15	Supply and installation of Make Philips, Sunlight, lumilux LED Tube Light 2x18 Watt, complete with all necessary materials / accessories, complete in all respects.	Nos.	285		
2		<u>Switch & Sockets.</u>				
2.1	Appendix ' c' Page No-14	Providing and Fixing of Universal Switched Socket 13 Amp Clipsal Austrial Made with back box (3"x3").	Nos.	221		
3		<u>Earthing System</u>				
3.1		<u>Earth Connecting Point</u>				
	Appendix ' c' Page No-1	Supply, installation of earth connecting points consisting of copper plate 12" long, 2" wide and 1/2" thick to be installed as and where shown on drawings on the wall of the trenches, complete with fixing arrangement, brass nuts bolts complete in all respects to facilitate connections of Incoming copper strips and Outgoing CPC.	Nos.	4		
2		<u>Telephone System</u>				
2.1		<u>Telephone Outlet</u>				
	Appendix ' c' Page No-2	Supply / Erection of Bush made data single socket (RJ-45) including 16 SWG back box of 3"x3" size complete in all respect.	Each	3		
2.2		<u>Telephone Cables</u>				
		Providing & laying multi pairs (Twisted) PVC insulated / underground cable of best quality (siemens, Germany, or Best imported as per approved sample) in pre-laid PVC recessed conduit or fixed cable duct/ Tray as per satisfaction of the Electrical Engineer.				
a	Appendix ' c' Page No-3	<u>4-5 Pair Cable CAT-6/UG/PVC (0.6 mm sq)</u> (From DP to each Room)	Rft	500		
4	4.1	<u>CCTV System</u>				
		Wiring for each CCTV cameras point included cost of 1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed manufactured by Krone, 3M, Clipsal to support data rates upto1GBits/s. or more than 1 GBits/s with connections at both ends, designation labels				
a	Appendix ' c' Page No-3	1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed.	Rft	2200		
7		<u>L.T. Switchgear</u>				
		<u>MAIN PANEL BOARD</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF STUDENT HOSTEL - PACKAGE 02

ELECTRICAL WORKS

BILL OF QUANTITIES

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		Supply, installation, connection of wires cables, and commissioning of distribution boards concealed type or to be installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring , PVC cable glands for incoming and out going wires/cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pasted on the front side of DB, 3 phase indication lamps of colour red, yellow, blue, make Hager, Legrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, lcu not less than 10 KA , and for miniature circuit breakers lcu 6 KA make Schneider, Legrand (France), Terasaki (Japan) having overload and short circuit protection, including cost of all necessary fixing accessories complete in all respects make PEL, Techno Build Engineering.				
	Appendix ' c' Page No-7	MPB (Main Panel Board- WAPDA) 02 No. Incoming 400 Amp MCCB TP, RC=35 kA (Elect. & Mech. Interlocking). 08 No. Outgoing 60/75 Amp MCCB TP, RC=16 kA a) 6 No Digital ammeter b) 6 No Digital voltmeter d) 6 No indication lights 220 Volt e) 6 Nos. Current Transformer 400/5A f) 400 Amp. 3 Ph N & Earth copper busboards g) Power Wiring. h) Panel steel grid painted along with locking arrangement	No.	1		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				



CONSTRUCTION OF LIBRARY CIVIL WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3 item 54(1) P-34	Clearing the Site / jungle by cutting removing ,all shrubs ,trees and taking out entire roots and filling the hollows with earth dressing consolidation and watering the filling including stacking the serviceable material and disposal of unserviceable material lead up to 300 meters.	Sq.ft.	16,380.000	3.900	63,882.000
2	CH:3 item 21(B)(ii) P-28	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) B) Machinery ii) Ordinary soil	Cu.ft.	22,327.463	10.250	228,856.491
3	CH:3 item 16 P-27	Filling, watering and ramming earth under floors with surplus earth from foundation, etc.				
3.1	A)	With surplus earth from foundation etc.	Cu.ft.	14,884.975	3.800	56,562.905
3.2	B)	With new earth excavated from outside, lead upto 100 ft. (30m) and lift upto 5 ft. (1.5m) including royalty of Clay	Cu.ft.	33,975.506	6.700	227,635.892
		Anti-Termite				
4	CH:3 item 69 (1) P-41	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sq.ft.	45,351.327	9.750	442,175.438
		Plain and Reinforement Concrete				
5	CH:5 item 5 P-49	Providing and laying plain machine mixed cement concrete using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing.				
5.1	c)	Ratio 1: 4: 8 (Under Foundation)	Cu.ft.	1,630.716	185.350	302,253.141
5.2	a)	Ratio 1: 2: 4 (Under Floor)	Cu.ft.	3,022.161	232.500	702,652.476
6	CH:5 item 28(b) P-57	Providing and fixing precast cement concrete jali or louvers upto 2" (50mm) thick in required shape including formwork and its removal, compacting and curing.	Sq.ft.	-	71.700	-
		FOUNDATION FOR BUILDINGS				
7	CH:5 item 5-8(b)	Providing and laying 1:1-5:3 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing, additional for shuttering and scaffolding for foundations, bed plates and sills.	Cu.ft.	5,400.675	276.000	1,490,586.300
		WALLS AND PIERS				
8	CH:5 item 5-13(a) P-52	Providing & laying 1:1-5:3 in situ cement concrete in walls and piers etc, upto 12" (300 mm) in thickness using approved coarse sand & crushed aggregate 3/4" (19mm) & down gauge including compacting, curing, cost of formwork and its removal.				
	5-13(a)	Ground Floor	Cu.ft.	456.750	323.500	147,758.625
	5-13(a)+(f)	First Floor	Cu.ft.	274.050	379.750	104,070.488

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
	5-13(a)+(f)+(g)	Mumty Floor	Cu.ft.	114.188	432.900	49,431.769
		COLUMNS AND PILLARS				
9	CH:5 item 5-15(a) P-53	Providing and laying 1:1-5:3 in situ cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in super structure including compacting, curing, cost of form-work & its removal				
	5-15(a)	Ground Floor	Cu.ft.	2,880.938	359.500	1,035,697.031
	5-15(a)+(e)	First Floor	Cu.ft.	1,017.778	375.400	382,073.908
	5-15(a)+(e)+(f)	Mumty Floor	Cu.ft.	-	386.300	-
		BEAMS, SLABS AND LINTELS				
10	CH:5 item 5-49(a)	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in Plinth beams , lintels and cantilevers of required shape or section including formwork and its removal compacting and curing.				
	5-49(a)	Ground Floor	Cu.ft.	1,385.016	296.200	410,241.628
11	CH:5 item 5-16(a)	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in beams, lintels and cantilevers of required shape or section including formwork and its removal compacting and curing.				
	5-16(a)	Ground Floor	Cu.ft.	3,223.763	318.350	1,026,284.792
	5-16(a)+(b)	First Floor	Cu.ft.	2,317.468	333.300	772,412.126
	5-16(a)+(b)+(c) +24-1	Mumty Floor	Cu.ft.	-	345.250	-
12	CH:5 item 17-(a)(i) P-53	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in slabs including formwork and its removal, compacting and curing. a) Upto 6" (150 mm) thickness				
	5-17-(a)(i)	Ground Floor	Cu.ft.	5,196.975	327.300	1,700,969.918
	5-17-(a) (i)+(ii)	First Floor	Cu.ft.	3,482.850	343.150	1,195,139.978
	5-17-(a)(i)+(ii) + (iii)	Mumty Floor	Cu.ft.	242.550	355.050	86,117.378
13	CH:5 item 23-(e)(i)	Providing and laying 1:1.5:3 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing. Bottom slab				
	5-23 e +5-24 a	Ground Floor	Cu.ft.	-	405.250	-
	5-17-(a) (i)+(ii)	First Floor	Cu.ft.	-	405.250	-

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
	5-17-(a)(i)+(ii) + (iii)	Mumty Floor	Cu.ft.	242.550	405.250	98,293.388
14	CH:5 item 23-(d)	Providing and laying 1:1.5:3 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing. WALL				
	5-23 d +5-24 a	Ground Floor	Cu.ft.	-	333.700	-
	5-23 d +5-24 a	First Floor	Cu.ft.	-	333.700	-
	5-23 d +5-24 a	Mumty Floor	Cu.ft.	307.125	333.700	102,487.613
15	CH:5 item 23 f	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing.TOP slab				
	CH:5 item 23 f	Ground Floor	Cu.ft.	-	408.750	-
	CH:5 item 23 f	First Floor	Cu.ft.	-	408.750	-
	CH:5 item 23 f	Mumty Floor	Cu.ft.	242.550	408.750	99,142.313
		BALCONY, SUN SHADES, PARAPETS, EAVE BOARDS AND STAIRS				
16	CH:5 item 5-20(a) P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in balustrade of stairs or balcony, sun breakers, sun shades, parapets and eave boards upto 3" (75 mm) of required shape or section including formwork & its removal, compacting and curing.				
	5-20(a)+(b)	First Floor	Cu.ft.	242.550	405.250	98,293.388
	5-20 (a)+(b)+(c)	Mumty Floor	Cu.ft.	475.524	420.700	200,052.947
17	CH:5 item 5-21(a)P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in stairs of any shape or section including formwork & its removal, compacting and curing.				
	5-21(a)	Ground Floor	Cu.ft.	146.344	299.400	43,815.319
	5-21(a)+(b)	First Floor	Cu.ft.	-	312.450	-
		Steel Reinforcement				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
18	CH:5 item 65 P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening ,removal of rust, cutting, bending, binding, wastage and providingsuch over-laps as are not shown on the drawings. The cost of bindingwire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m)height				
	(a)	Ground Floor	Tonne	77.713	130,426.050	10,135,813.621
	(a+f)	First Floor	Tonne	28.400	132,559.750	3,764,748.369
	(a+f+g)	Mumty Floor	Tonne	3.074	133,839.950	411,402.294
		Block Masonry				
15	CH:11 item 3 P-84 & 85	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing (iv) Cement sand mortor (1:5)				
	(b) (iv)	Above 4.5" (115mm) thick Solid Brick Masonry	Cu.ft.	215.000	239.400	51,471.000
16	CH:11 item 12 P-86 & 87	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing (iii).Cement sand mortar 1 : 4				
16.1	a)	4.5" (115 mm) thick Solid Brick masonry				
	11-12(iii)	Ground Floor	Cu.ft.	807.975	277.250	224,011.069
	11-12(iii)+11-26(a	First Floor	Cu.ft.	-	296.350	-
16.2	b)(iv)	9" (225 mm) thick (1:5) Solid Brick masonry				
	11-12(iii)+11-26(a	Ground Floor	Cu.ft.	5,416.031	256.050	1,386,774.802
	11-12(iii)+11-26(a	First Floor	Cu.ft.	3,080.306	275.150	847,546.265
		Flooring				
17	Ch-14 item 1(b) P-118	Providing and laying hand mixed 1 : 4 : 8 cement concrete bed under floors using graded Crushed Aggregate upto 1-1/2" (37 mm) and down gauge complete with leveling, ramming, watering and curing.	Cu.ft.	4,433.855	145.650	645,790.935
18	Ch-14 item 44-1 P-123	Providing, laying, watering and compacting brick ballast 2" (50 mm) and down gauge mixed with 25% sand for floor foundation.	Cu.ft.	4,512.853	54.350	245,273.579
19	Ch-14 item 4-d+6d+e P-119	Providing and laying terrazzo/mosaic floor 3/4" (19mm) thick terrazzo topping 1:2 (one cement & 2 marble chips) over 1" (25mm) thick base of 1:2:4 cement concrete using crushed aggrgate 3/4" (19mm) and down grade laid in panels or approved pattern including formwork, curing, cutting, removing and polishing.				
	4-d	Ground Floor	Sq.ft.	2,060.363	102.550	211,290.174

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
20	Ch-14 item 50-a P-124	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing.				
	50-a	Ground Floor	Sq.ft.	45.150	81.650	3,686.498
21	Ch-14 item 43-1 P-123	Providing glass strips 1/4" (5 mm) thick and 1-1/2" (37.5 mm) wide for dividing the terrazo/mosaic flooring into panels. The cost of fixing is deemed to have been taken in composite rate of respective item.				
			R.ft.	1,298.028	6.450	8,372.283
22	Ch-14-9 - 14-11 B	Providing and laying 3/4" (19 mm) thick floor 12"x12" Badal marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				
	14-9-14-11 b	Ground Floor	Sq.ft.	9,616.556	158.600	1,525,185.821
	73-a+c	First Floor	Sq.ft.	6,930.000	256.050	1,774,426.500
23	Ch-14 54a - 14-54 c	Providing and fixing 3/8" (9mm) thick Badal marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, grinding, cleaning & polishing.				
	54 c	Ground Floor	Sq.ft.	494.196	125.100	61,823.873
	55-a+c	First Floor	Sq.ft.	113.986	128.500	14,647.188
24	Ch-14-25 a	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing				
	14-25a	Ground Floor	Sq.ft.	703.500	182.250	128,212.875
	14-25 -a+c	First Floor	Sq.ft.	-	184.700	-
25	Ch-14 64a - 14-64 c	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.				
	64a	Ground Floor	Sq.ft.	1,596.609	144.050	229,991.526
	64-a+c	First Floor	Sq.ft.	-	146.500	-

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
26	Ch-14 item 9-b+11-b P-120	Providing and laying 3/4" (19 mm) thick marble tiles floor Lasbella 12"x12" marble tiles floor fine dressed on surface without winding and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				
	9-b+11-b	Ground Floor	Sq.ft.	225.750	227.700	51,403.275
27	Ch-14 item 16-1+24a P-120	Providing and laying Lasbella 1" (25mm) thick, marble stair/steps in slabs exceeding 12"x12" marble size, fine dressed on surface without winding and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing				
	16-1+24a	Ground Floor	Sq.ft.	485.625	128.500	62,402.813
	16-1+24a+c	First Floor	Sq.ft.	-	131.900	-
28	Ch-14 item 22-1 P-120	Extra for making nosing of treads as per design and/or as per instructions of the Engineer-in charge including grinding marble/marble chips and polishing etc.	R.ft.	193.725	40.600	7,865.235
29	Ch-14 item 54-a P-124	Providing and fixing 3/8" (9mm) thick Lasbela marble tiles dressed on the surface in dado/skirting and facing over 1/2" (13mm) thick base of cement sand mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, grinding, cleaning & polishing.				
	54-a	Ground Floor	Sq.ft.	246.750	133.600	32,965.800
30	Ch-15 item 51-a P-137	Providing and laying 3/4"(19mm) thick Granite black (local) polished slab including nosing on Kitchen and other tops of approved design over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.				
	51-a	Ground Floor	Sq.ft.	77.700	703.020	54,624.654
	51-a+46a	First Floor	Sq.ft.	-	773.322	-
		Finishing				
31	Ch-15 item 1 (b)(ii)+34a+35a P-129+133	3/8 inch (9.5 mm.) thick cement sand plaster using Coarse Sand 1:4 cement mortar ratio on soffits of ceiling, cantilever slabs, sides and soffits of beams, including making edges, corners and curing.				
	1(b)(ii)	Ground Floor	Sq.ft.	42.000	23.400	982.800
	1(b)(ii)+34a	First Floor	Sq.ft.	100.800	37.400	3,769.920
	1(b)(ii)+34a+35a	Mumty Floor	Sq.ft.	-	49.550	-

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
32	Ch-15 item 3 (iii)+34a+35a P-129+133	13mm (1/2") thick cement plaster 1:4 cement mortar ratio on Internal wall and columns in basement plinth and ground floor including making edges corner and curing.				
	3 (iii)	Ground Floor	Sq.ft.	20,087.550	22.950	461,009.273
	3 (iii)+34a	First Floor	Sq.ft.	4,107.600	36.950	151,775.820
	3 (iii)+34a+35a	Mumty Floor	Sq.ft.	-	49.100	-
33	Ch-15 item 4 (iii) P-130+133	3/4 inch (19mm) thick cement plaster 1:4 cement mortar ratio using Coarse Sand on External walls and columns in basement, plinth and ground floor including making edges, corners and curing.				
	4 (iii)	Ground Floor	Sq.ft.	7,053.593	27.450	193,621.139
	4 (iii)+34b	First Floor	Sq.ft.	7,445.972	42.350	315,336.896
	4 (iii)+34b+35b	Mumty Floor	Sq.ft.	1,625.400	55.400	90,047.160
34	Ch-15 item 58-a+46a+b P-138+136	Providing and fixing 1/4" (6.4 mm) thick laminated Gypsum Board false ceiling of approved size and texture consisting of imported powder coated aluminum angle and tee framing (size 1" x 1") hunged by approved suspension system, including provision of extra framing for lights fittings, A/C diffusers and around columns, etc, complete in all respects as directed by the Engineer.				
	58-a	Ground Floor	Sq.ft.	10,320.056	68.400	705,891.848
	58-a+46a	First Floor	Sq.ft.	6,972.000	75.240	524,573.280
35	15-58 b	Providing and Fixing Face work with brick tiles (Gutka) on interior, exterior wall with cement sand mortar 1:3 including ties and scaffolding complete in all respects 3"x 3" x 9"	Sft	6,878.550	183.350	1,261,182.143
		Wood Work				
36	Ch-16 item 30-1 P-146	Providing and fixing wooden partition fully flushed with hard board 5/16" (8mm) thick on one face fixed on First class deodar wood frame 3"x1.25" (75mmx32mm) at spacing not exceeding 24" (600mm) horizontal and 18" (450mm) vertical including necessary wooden beading as required.				
	30-1	Ground Floor	Sq.ft.	404.250	397.350	160,628.738
37	Ch-16 item 92-1 P-156	Making of Kitchen Cabinet 8'x3' make up from Veneer board (MEDIUM DENSITY) Laminated on both sides, and hanging on wall, i/c all hardware				
	92-1+87-a	First Floor	Sq.ft.	-	1,183.215	-
38	Ch-16 item 11-a-ii P-142	Providing and fixing 1.5" (38mm) thick pressed veneered Teak wood door shutters fully flushed 5 Ply with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved brass hinges, tower bolts as required				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
	11-a-ii	Ground Floor	Sq.ft.	310.275	783.200	243,007.380
	11-a-ii+87-a	First Floor	Sq.ft.	25.725	861.520	22,162.602
	11-a-ii+87-a+b	Mumty Floor	Sq.ft.	-	920.260	-
39	Ch-16 item 97-1+87-a P-157+155	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineerin-charge				
	97-1	Ground Floor	Rft	173.250	247.300	42,844.725
	97-1+87-a	First Floor	Rft	-	272.030	-
40	Ch-16 item 98-1+87-a P-157+155	Providing and fixing 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size. 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.				
	98-1	Ground Floor	Sq.ft.	66.150	645.250	42,683.288
	98-1+87-a	First Floor	Sq.ft.	-	709.775	-
41	Ch-16 item 66-a+87a+b P-151+155	Providing and fixing Union lock (Local) with brass or specially supplied screws of approved design including cutting wood to requires shape and size with two operating keys as per direction of the engineer - in-charge.				
	66-a	Ground Floor	Each	21.000	763.500	16,033.500
	66-a+87-a	First Floor	Each	1.000	839.850	839.850

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
42	Ch-16 item 74-b(ii)+87a+b P-152+155	Providing and fixing approved Chromium plated brass sliding bolts or aldrop bolt of sizes with screws of same metal and G.I. bolts and nuts Brass sliding bolts 10" x 5/8" (250 mm x 16 mm) size				
	74-b(ii)	Ground Floor	Each	21.000	854.100	17,936.100
	74-b(ii)+87-a	First Floor	Sq.ft.	-	939.510	-
43	Ch-16 item 66-f P-151	Providing and fixing Hydraulic door closer Hydraulic door closer, New star make with brass or specially supplied screws of approved design including cutting wood to required shape as per direction of the engineer in charge etc.				
	66-f	Ground Floor	Each	2.000	2,277.600	4,555.200
		Painting and Warnishing				
44	Ch-17 item 67-1+ 47 a&b P-168	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats in Ceiling over and including the cost of priming coat including preparation of surface viz. dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ atleast 2.20 Litre per 10 Sq.m)				
	67-1	Ground Floor	Sq.ft.	10,378.200	16.950	175,910.490
	67-1+47-a	First Floor	Sq.ft.	6,972.000	18.645	129,992.940
45	Ch-17 item 8-1 + 47 a&b P-159	Painting with ICI/Berger or equivalent plastic emulsion paint on Wall of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)				
	8-1	Ground Floor	Sq.ft.	21,091.928	31.900	672,832.487
	8-1+47-a	First Floor	Sq.ft.	4,312.980	35.090	151,342.468
	8-1+47-a+b	Mumty Floor	Sq.ft.	-	37.483	-
46	Ch-17 item 15-b + 47 a&b P-160	Supply & Applying french or spirit polish of approved make on wood work in ground floor or basement Two coats (@ atleast 1.65 Litre per 10 Sq.m)				
	15-b	Ground Floor	Sq.ft.	579.600	42.550	24,661.980
	15-b+47-a	First Floor	Sq.ft.	50.400	46.805	2,358.972
	15-b+47-a+b	Mumty Floor	Sq.ft.	-	49.996	-

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
47	Ch-17 item 7-1+ 47 a&b P-159	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m)				
	7-1	Ground Floor	Sq.ft.	1,933.785	27.300	52,792.331
	7-1+47-a	First Floor	Sq.ft.	1,260.000	30.030	37,837.800
	7-1+47-a+b	Mumty Floor	Sq.ft.	-	32.078	-
48	Ch-17 item 6-1 + 47 a&b P-159	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)				
	6-1	Ground Floor	Sq.ft.	1,617.000	28.850	46,650.450
45A	Ch-17 item 69-1 P-168	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10				
	69-1	Ground Floor	Sq.ft.	2,415.000	31.800	76,797.000
	69-1+47-a	First Floor	Sq.ft.	4,423.125	34.980	154,720.913
		Iron, Steel and Aluminium Works				
49	Ch-28 item 40 a&b + 67-a&b P-168+274+279	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.				
	a)	4.5"-5" (113.5mm-125 mm) size				
	40-a	Ground Floor	R.ft.	173.250	264.050	45,746.663
	b)	8"-10" (200mm-250 mm) size				
	40-b	Ground Floor	R.ft.	197.925	509.350	100,813.099
	40-b+67-a	First Floor	R.ft.	-	560.285	-
	40-b+67-a+b	Mumty Floor	R.ft.	18.375	598.486	10,997.185

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
50	Ch-28+16 item 41-1+86-b(iv)+67-a&b P-274+155+279	Providing and fixing fully glazed Aluminium swing doors 2.0mm of anodized Champagne or approved color (12 microns) or any approved section including Aluminium fittings, hungs, cutting holes and making good damages to walls, including 6 mm. thick clear imported glass panes.				
	41-1+86-b(iv)	Ground Floor	Sq.ft.	56.700	1,106.850	62,758.395
51	Ch-28 item 25-1 + 67-a&b P-273+279	Providing and fixing fully glazed fixed aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Alcop, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5mm local tinted glass, lugs, cutting holes and making good the damages to walls.				
	25-1	Ground Floor	Sq.ft.	1,295.574	805.450	1,043,520.078
	25-1+67-a	First Floor	Sq.ft.	872.550	885.995	773,074.937
52	Ch-28 item 26-a&b + 67-a&b P-273+279	Providing and fixing fully glazed partly fixed and partly hung or sliding aluminium windows (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawal, Alcop, Pakistan Cable or any approved section as approved by Engineer Incharge including aluminium fittings, 5mm local tinted glass, lugs, cutting holes and making good the damages to walls.i/c Providing and fixing fixed or sliding fibre wire gauze in aluminium frame as approved by Engineer incharge including aluminium fittings etc.				
	26-a&b	Ground Floor	Sq.ft.	745.500	1,050.050	782,812.275
	26-a&b+67-a	First Floor	Sq.ft.	630.000	1,155.055	727,684.650
	26-a&b+67-a+b	Mumty Floor	Sq.ft.	-	1,233.809	-
53	Ch-28 item 82-1 + 67-a&b P-280+279	Providing and fixing 2'-9" high Stair hand railing comprising of 2½" dia 16 gauge S.S pipe hand rail fixed with 2½" dia pipe blusters at specified distance fixed at top of steps with expansion bolts, 2 Nos. of 16 gauge 1" dia S.S pipes horizontally fixed with blusters, Complete in all respects.				
	82-1	Ground Floor	R.ft.	111.300	2,005.700	223,234.410
	82-1+67-a	First Floor	R.ft.	-	2,206.270	-
54	Ch-28 item 28-1 P-273	Providing and fixing iron grills with square bars of 3/8" size as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, painting with two coats of red oxide paint and fixing in masonry/concrete or wood				
	28-1	Ground Floor	Sq.ft.	1,295.574	330.600	428,316.764
	28-1+87-a	First Floor	Sq.ft.	1,015.613	363.660	369,337.642
50-A	28-87-1	Aluminium Louvers 50 mm in Depth and 1.3 mm thick, Supported by 2mm Thick 75 mm x 70 mm Square Aluminium Frame, Complete in all respect.	Sq.ft.	100.000	675.500	67,550.000

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		Roofing & Water Proofing				
55	Ch-8 item 18-a P-71	Providing and laying 1:2:4 cement concrete using Coarse Sand and crushed aggregate 3/4" (19mm) and down gauge in terraces 3" (75 mm) average thickness to required slope in panels including formwork, consolidation, finishing, curing, painting the surface with plastic bitumen No.4 at the rate of 0.73 Kg per Sq.m. blinded with sand at the rate of 0.006 Cu.m. per Sq.m.				
	18-a	Ground Floor	Sq.ft.	3,727.500	87.800	327,274.500
	18-a+b	First Floor	Sq.ft.	6,965.700	99.500	693,087.150
56	Ch-13 item 13-5-1 P-110	Providing and laying roof insulation comprising single layer of first class burnt brick tile 9"x 4.5"x 1.5" laid with 1:6 cement sand mortar and grouted with 1:3 cement sand mortar laid over 4inches (100mm) thick earth and 1inch (25mm) thick mud plaster without bhoosa over two coats of hot bitumen @ 34 lbs. per 100 Sq.ft.(1.65 Kg/Sq.m) sand blended covered with polythene sheet 300 gauge including curing etc. complete in all respect.				
	13-5-1	Ground Floor	Sq.ft.	3,727.500	159.850	595,840.875
	13-5-1	First Floor	Sq.ft.	6,965.700	159.850	1,113,467.145
57	Ch-13 item 10-1+52a+b P-111+115	Providing Khurras on roof 24" x 24" x 2" (600mm x 600mm x 50mm) size including water proofing admixture @ 2 % of cement content or as otherwise advised by manufacturer				
	10-1	Ground Floor	Each	4.000	675.900	2,703.600
	10-1+52a	First Floor	Each	4.000	743.490	2,973.960
58	Ch-13 item 11-52a P-111+115	Providing bottom khurras of brick masonry in cement sand mortar 1:6, size 48"x24"x 1.5" (1250mmx 600mmx 38mm) over 3inches (75mm) thick cement concrete 1:4:8 including water proofing admixture @ 2 % of cement content or as otherwise advised by manufacturer				
	11-1	Ground Floor	Each	4.000	1,169.450	4,677.800
	11-1+52a	First Floor	Each	4.000	1,286.395	5,145.580
	11-1+52a+b	Mumty Floor	Each	-	1,374.104	-
59	Ch-13 item 60-b P-116	Providing and fixing P.V.C rain water down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1:2:4. b)4" (100 mm) dia.				
	11-1	Ground Floor	R.ft.	126.000	116.500	14,679.000
	11-1+52a	First Floor	R.ft.	109.200	128.150	13,993.980
	11-1+52a+b	Mumty Floor	R.ft.	-	136.888	-

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
60	Ch-13 item 61-b P-116	Providing and fixing P.V.C. socket for rain water downpipe.				
	61-b	Ground Floor	Each	4.000	398.400	1,593.600
	161-b+52a	First Floor	Each	4.000	438.240	1,752.960
	61-b+52a+b	Mumty Floor	Each	-	468.120	-
61	Ch-13 item 62-b P-116	Providing and fixing P.V.C bend of any degree for rain water down pipe with M.S. clamps bolts and nuts in cement concrete 1:2:4.				
	62-b	Ground Floor	Each	4.000	1,044.650	4,178.600
	62-b+52a	First Floor	Each	4.000	1,149.115	4,596.460
62	Ch-13 item 63-b P-116	Providing and fixing PVC offset of any degree for rain-water down pipe on walls with M.S. clamps, bolts and nuts in cement concrete 1:2:4.				
	63-b	Ground Floor	Each	4.000	1,044.650	4,178.600
	63-b+52a	First Floor	Each	4.000	1,149.115	4,596.460
	Total "A"(Schedule items) C/o to Summary of Cost:					46,161,983.554

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		NON SCHEDULE ITEMS-B				
1	N.S	Providing and Fixing Chicken Wire Mesh (12" Wide) for horizontal and vertical joints of masonry and concrete with nails and screws i/c all cost of labour and material complete in all respects, as approved by The Engineer.	Rft	5,109.30		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				

CONSTRUCTION OF LIBRARY PUBLIC HEALTH WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

PUBLIC HEALTH WORKS (PACKAGE-2 "LIBRARY")

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		<u>Schedule Items</u>				
		Plumbing Fixtures				
1		Providing and fixing European type glazed earthenware water closet ICL Ifo/Forte or approved equivalent make including cost of inlet pipe, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				
	23-3-a/P-198	i) White	Each	9.000	13,527.000	121,743.000
2		Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material. a) W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap				
	23-2-a(i)/P-198	i) White	Each	1.000	7,295.400	7,295.400
3	23-5/P-199	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material				
		b) Wash basin 24" (610 mm) Futura without pedestal i) White	Each	9.000	11,775.600	105,980.400
4	23-5/P-199	d) Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.				
		i) White	Each	1.000	417.750	417.750
5	23-23 b	Providing and fixing approved quality white glazed earthenware lavatory basin with 1/2" (15 mm) dia. single hole C.P. mixer tap, 2 way deluxe pillar tap, stop cocks, 6" C.I. or W.I. brackets built into walls, rubber plug, C.P. brass chain, C.P. brass waste, malleable iron or C.P. brass bottle trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material. Lavatory basin 25" x 18" (625 mm x 450 mm)				
			Each	2.000	16,575.600	82,878.000
5	23-14-1/P-200	Providing and fixing approved quality C.P. brass toilet paper holder Master /Sonex or equivalent make.	Each	10.000	1,207.500	12,075.000

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

PUBLIC HEALTH WORKS (PACKAGE-2 "LIBRARY")

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
6	23-13/P-200	Providing and fixing approved quality chromium plated towel rail with bracket and screws. a) Towel rail 24" x 3/4" (600mm x 20mm)	Each	5.000	1,923.000	9,615.000
7	23-15-1/P-200	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.	Sft	54.000	137.100	7,403.400
8	23-16/P-200	Providing and fixing shelf of standard size. b) Shelf (Master/Sonex make)	Each	9.000	2,463.750	22,173.750
9	23-29/P-201	Providing and fixing soap dish a) Chromium plated	Each	9.000	915.000	8,235.000
10	23-70-1	Providing and fixing Sonex/Master WC CR Shower including Connecting Flexible Pipe and bib cok including making requisite numbers of holes and making good with approved material.	Each	10.000	3,660.000	36,600.000
11	27-47 a)	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material				
		25mm dia	Rft	658.000	49.860	32,807.880
		32mm dia	Rft	325.000	55.960	18,187.000
		40mm dia	Rft	250.000	79.980	19,995.000
		50mm dia	Rft	200.000	115.220	23,044.000
		63mm dia	Rft	225.400	192.090	43,297.086
12	23-39	Providing and fixing superior quality gun-metal peet/gate valve flanges end (Class150) of approved make.				
	b iv	30mm	Nos.	1.000	1,173.000	1,173.000
	b v	40 mm	Nos.	1.000	1,590.000	1,590.000
	b vi	50 mm	Nos.	2.000	1,824.000	3,648.000
	b vii	65mm		6.000	3,330.000	
13	13-60	Providing and fixing P.V.C rain water down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1:2:4.				
	a	3" (75 mm) inner dia.	Rft	200.000	198.500	39,700.000
	b	4" (100 mm) inner dia.	Rft	150.000	116.500	17,475.000
14	13-61	Providing and fixing P.V.C. socket for rain water downpipe.				
	a	3" (75 mm) inner dia.	no	28.050	315.250	8,842.763
	b	4" (100 mm) inner dia.	no	76.356	398.400	30,420.230
15	13-62	Providing and fixing P.V.C bend of any degree for rain water down pipe with M.S. clamps bolts and nuts in cement concrete 1:2:4.				
	a	3" (75 mm) inner dia.	no	28.050	1,319.000	36,997.950
	b	4" (100 mm) inner dia.	no	76.356	1,044.650	79,765.295
16	13-10	Providing Khurras on roof 24" x 24" x 2" (600mm x 600mm x 50mm) size including water proofing admixture @ 2 % of cement content or as otherwise advised by manufacturer.				
		i) 2'x2'.	Each	4.000	675.900	2,703.600
17		<u>Gas Supply System</u>				
18	23-52/P-204	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe ILL make or equivalent gas line including the cost of jointing material. a) Light duty				
		ii) 3/4" (20 mm) inner dia.	Rft	100.100	234.750	23,498.475

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

PUBLIC HEALTH WORKS (PACKAGE-2 "LIBRARY")

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
19	23-66	Providing and installing Gas geyser "CANON" including fitting & fitting accessories, complete in all respect as per specifications and drawings.				
	a	35 Gallon	Nos.	1.000	13,311.000	13,311.000
20	23-51	Providing and fixing brass gas cock.				
	b	3/4" i.d	No.	40.000	886.200	35,448.000
		<u>Water Supply System</u>				
		<u>Over Head Water Tank</u>				
21	5-22/P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing..				
		b) Walls	Per Cft	245.156	277.750	68,092.148
		c) Top slab upto 6" (150 mm) thick	Per Cft	230.625	327.300	75,483.563
22	5-65(a)/P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height.	Tonne	1.332	130,426.050	173,751.953
23	25-15-1/P-215	Providing and fixing 22 " dia. manhole cover in 6" (150 mm) thick RCC 1:2:4 slab with 5 lbs per Cu.ft steel with tee shaped C.I. frame of 20" (500mm) clear inner dia. frame weighing 37.50 kg. including cost of fixing material.	Per Set	2.000	6,613.200	13,226.400
24	5-38/P-59	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing. b) P.V.C. ribbed water stop 6" (150 mm) wide	Rft	64.000	110.200	7,052.800
		<u>Sewerage System</u>				
		Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock (i) The rate includes back filling after laying of sewer, which is payable separately. (ii) The rate for close/open shuttering & timbering will be as per item No. 3-43 & 3-44 where actually used at site. A) Upto 5 ft. (1.5 m) depth				
25	3-42/P-31	ii) Ordinary soil	Cft	988.200	2.900	2,865.780
26	25-1/P-25	Providing and laying cement concrete pipes moulded with cement concrete 1:1.5:3 with spigot socket or collar joint as specified in trenches to correct alignment and grade, jointing with jointing materials including cutting pipes where necessary, finishing and testing. a) Plain cement concrete pipe conforming to ASTM C-14 class-II or equivalent.				
		ii) 6" (150 mm) inner dia.	Rft	139.700	76.900	10,742.930
27	25-1/P-25	b) R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M including cost of reinforcement.				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

PUBLIC HEALTH WORKS (PACKAGE-2 "LIBRARY")

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		i) 9" (225 mm) inner dia.	Rft	25.000	297.100	7,427.500
28	25-02/P-213	Providing and fixing gulley trap with 4" (100mm) outlet, complete with 4" (100mm) thick 1:2:4 cement concrete using 3/4" (19mm) crushed aggregate for bed and kerb, 1/2" (13mm) thick cement plaster 1:3, 12"x12"x18" deep inside dimension chamber with C.I. grating 6"x6" cover and frame 12"x12". a) Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.	Each	3.000	4,540.200	13,620.600
29	25-4/P-213	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia. Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces, channels and benching including making requisite number of main and branch channels but excluding the cost of excavation, back filling and disposal of excavated stuff.	Each	5.000	12,811.700	64,058.500
30		Providing and fixing C.I. floor trap 4" dia. inlet and outlet with C.I. grating floor trap of approved self cleaning design with screwed down grating with or without a vent arm with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good with C.I. floor trap 6" x 4" size with grating including concrete chamber all round				
	23-9d	GROUND FLOOR	No	15.000	2,055.000	30,825.000
		Septic Tank				
31	3-21/P-30	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) A) Manual ii) Ordinary soil	Cft	506.445	7.050	3,570.436
32	5-2/P-49	Providing and laying plain hand mixed cement concrete using brick/Stone ballast 1-1/2" to 2" (40mm to 50mm) with approved source sand in foundation and plinth including leveling, compacting and curing. b) 1 : 4 : 8	Cft	20.891	144.150	3,011.416
33	5-22/P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing..				
		a) Foundation and floor slab	Per Cft	23.813	232.050	5,525.760
		b) Walls	Per Cft	137.130	277.750	38,087.858
		c) Top slab upto 6" (150 mm) thick	Per Cft	23.813	327.300	7,793.929

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

PUBLIC HEALTH WORKS (PACKAGE-2 "LIBRARY")

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
34	5-65(a)/P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height.	Tonne	0.517	130,426.050	67,471.441
35	25-15-1/P-215	Providing and fixing 22 " dia. manhole cover in 6" (150 mm) thick RCC 1:2:4 slab with 5 lbs per Cu.ft steel with tee shaped C.I. frame of 20" (500mm) clear inner dia. frame weighing 37.50 kg. including cost of fixing material.	Per Set	2.000	6,613.200	13,226.400
36	5-38/P-59	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing. b) P.V.C. ribbed water stop 6" (150 mm) wide	Rft	30.000	110.200	3,306.000
38	25-12 b	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels. C.I. foot rest	Each	26.000	200.400	5,210.400
Total "A"(Schedule items) C/o to Summary of Cost:						1,460,671.793
	<u>Non Schedule Items</u>					
		<u>Part-3: Sewerage System</u>				
1	NS	Providing, laying, fixing and testing uPVC Nicasi soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints,VODA PIPES/DADEX Or Approved Equivalent make as approved by the Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc., embedded in floors and walls, clamped to walls, suspended from slab (common hanger shall be used for pipe hanging and fiber glass tray under pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respect as per specifications and drawings.				
		2" i.d	Rft	50		
2	NS	Providing, fixing, cutting, jointing and testing uPVC Vent Cowel on Vent Pipes with solvent cement jointing, VODA PIPES/DADEX or approved equivalent, rates include cost of cutting & pipe fittings of the following diameter:				
		2" i.d	Nos	3		
3	NS	Providing and fixing clean out with threads ferule fixed in pipe with the help of solvent, as shown on drawing, complete in all respects as per specifications and drawings.				
		3" i.d	Nos.	3		
		4" i.d	Nos.	3		

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

PUBLIC HEALTH WORKS (PACKAGE-2 "LIBRARY")

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
4	NS	Providing and making Rain water collection pit internal size 24"x24" including 9" thick brick masonry (1:4), 1/2" th. Plastering (1:5) i/side, benching with PCC 1:2:4 4" th. with cement finish, including steel grating cover, complete in all respect as per specifications, drawings & Engineer in charge.	Each	1		
		<u>PART-4: Gas Supply System</u>				
2		Providing and installing ball valves of following nominal dia, Kitz make, including jointing, fitting, painting, testing, complete in all respects to match with following G.I pipe diameters.				
	NS	3/4" i.d	No.	2.00		
21	NS	Providing, fixing & testing Gas meter as per Sui Northern gas with All Accessories. complete in all respect as per drawings, Specification & Engineer In Charge.	No.	1		
Total "B"(Non Schedule items) C/o to Summary of Cost:						

CONSTRUCTION OF LIBRARY ELECTRICAL WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

ELECTRICAL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate	Amount
Government of Balochistan Composite Schedule of Rates Version 2018						
A) Schedule Items						
1		<u>Light Circuits.</u>				
	1.1	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.				
	Item 30-1 (a)	Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	12.000	4,433.250	53,199.000
	1.2	Light circuit concealed/open wiring with length upto 65 ft. (20m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.				
	Item 30-2 (a)	Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	8.000	3,546.600	28,372.800
2		<u>1st Light Point Controlled By One Switch</u>				
	2.1	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,				
	Item 30-3 (a)	Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	120.000	1,877.300	225,276.000
3		<u>Point to Point Controlled By One Switch</u>				
	3.1	Concealed/open wiring from point to point with length upto 10 ft. (3m) with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables				
	Item 30-4 (a)	Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	304.000	563.200	171,212.800
3		<u>2 Way Light Point Controlled By One Switch</u>				
		Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from switches to point is upto 40 ft. (12.5 m) with 3x1.5Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables				
	Item 30-6 (a)	Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	2.000	3,284.650	6,569.300
2		<u>Exhaust Fan Points</u>				
	2.1	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,				
	Item 30-3 (a)	Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	6.000	1,877.300	11,263.800
2		<u>Ceiling Fan Points</u>				
	2.1	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,				
	Item 30-3 (a)	Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	99.000	1,877.300	185,852.700
4		<u>1- 13 Amps Switch Socket</u>				
	4.1	Item 30-9 Wiring of 13 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	800.000	101.950	81,560.000
	4.2	Item 30-10 Wiring of 5 Amps. socket outlet with 2.5 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	560.000	69.550	38,948.000
	4.1	Item 30-9 Wiring of Floor Box with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	3350.000	101.950	341,532.500
4		<u>1 x 3 Pin 15 Amps Switch Socket</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

ELECTRICAL WORKS

Item No.		REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate	Amount
	4.1	Item 30-9	Wiring of 15 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	1875.000	101.950	191,156.250
5			<u>Switch & Socket</u>				
	5.1	Item 30-129	Supply and install 1-gang, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	6.000	792.600	4,755.600
	5.1	Item 30-130	Supply and install with 2 gang switch, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	12.000	931.400	11,176.800
	5.1	Item 30-131	Supply and install with 3 gang switch, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	18.000	1,017.400	18,313.200
	5.1	Item 30-132	Supply and install with 4 up to 6 gang switch, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	72.000	1,103.400	79,444.800
	5.3	Item 30-133	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.	No.	3.000	1,888.600	5,665.800
	5.2	Item 30-134	Supply and install 5 Amp, 250 Volt moulded, one-way, single pole, flush mounting piano type light control switch alongwith fan dimmers on appropriate size plastic box to be fixed recessed in wall alongwith switch box and plate suitable for upto 3 switches on a common board (Clipsal-Schneider or equivalent)	No.	99.000	3,008.500	297,841.500
	5.4	Item 30-19	Supply and install combined 3 pin 5 Amps, 250 Volt switch socket unit including plastic box to be fixed recessed in wall.	No.	16.000	938.750	15,020.000
	5.5	Item 30-20	Supply and install combined 3 pin 15 Amps. switch socket unit including plastic box to be fixed recessed in wall.	No.	25.000	1,045.000	26,125.000
2			<u>PVC Pipe</u>				
		Item 30-21	Supply and installation of 3/4" (20 mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	500.000	19.700	9,850.000
		Item 30-22	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	500.000	24.650	12,325.000
		Item 30-23	Supply and installation of 1.25" (30mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	500.000	31.050	15,525.000
		Item 30-24	Supply and installation of 1.5" (40mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	500.000	39.850	19,925.000
		Item 30-25	Supply and installation of 2" (50mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	400.000	54.100	21,640.000
6			<u>L.T. Power Cables</u>				
	6.1	Item 30-40	Supply and install 25 sq.mm, 3.5 core, PVC insulated and sheathed multicore, 600/1000V cable with copper conductor directly clipped on surface of wall, column, beam, ceiling, etc. for power wiring.	Rft	150.000	666.200	99,930.000
	6.2	Item 30-42	Supply and install 35 sq.mm, 3.5 core, PVC insulated and sheathed multicore, 600/1000V cable with copper conductor directly clipped on surface of wall, column, beam, ceiling, etc. for power wiring.	Rft	150.000	851.100	127,665.000
	6.3	Item 30-45	Supply and install 120 sq.mm, 3.5 core, PVC insulated and sheathed multicore, 600/1000V cable with copper conductor directly clipped on surface of wall, column, beam, ceiling, etc. for power wiring.	Rft	400.000	2,202.000	880,800.000
7			<u>Circuit Protective Conductor (CPC)</u>				
	7.1	Item 30-36	Supply and install 16 sq.mm cable. PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	300.000	109.600	32,880.000
	7.2	Item 30-39	Supply and install 2x 50 sq.mm cable. PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	210.000	331.650	69,646.500
9			<u>Ceiling Fans</u>				
		Item 30-107	Supply, install, connect Ceiling Fan energy efficient model as approved and rated 3-Star by NEECA with power consumption of less than 80 W+10%	Each	99.000	5,577.000	552,123.000
10			<u>Exhaust Fans</u>				
		Item 30-113	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.	Each	6.000	2,760.000	16,560.000
12			<u>L.T. Switchgear</u>				
			<u>Distribution Board Concealed</u>				
	12.1		<u>DBLP-1B</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

ELECTRICAL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate	Amount
12.2		<u>DBLP-1G</u>				
a	Item 30-108(a)	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising one incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. alongwith three Digital Amp. meters with lights.	Each	4.000	25,356.000	101,424.000
b	Item 30-116(b)	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)	Each	66.000	2,748.000	181,368.000
13		<u>Earthing System</u>				
13.1	Item 30-91	Supply and install pair of earth electrode each comprising 24"x12" (600mmx 3mm) thick copper plate buried 13 ft. (4m) deep underground in upright position in a pit and surrounded by mixture of salt and charcoal (1:3), 12" (300mm) min dia around the plate. The job also includes providing and fixing all accessories such as nuts, bolts, washers, 2x3/0 SWG (2x70mm) copper conductor earthing, lead.	Job	4.000	60,471.150	241,884.600
13.2	Item 30-97	Construction of 20" x 20" (500mm x 500 mm) square inspection chamber for earth electrodes including medium duty C.I. cover and all associated civil works.	Job	4.000	7,948.950	31,795.800
14		<u>Telephone System</u>				
14.1	Item 30-100	Supply and install recessed type telephone distribution box suitable for 30 pair including appropriate size 16 SWG sheet steel box with hinged, latched and lockable cover.	Job	2.000	7,521.550	15,043.100
15		<u>Fire Alarm System</u>				
15.1	Item 30-126(a)	Fire resistance insulated 2-core, 1.5mm2 cable in PVC Conduits in 25 mm2 conduit	R.M	950.000	268.350	254,932.500
15.2	Item 30-126(b)	Addressable break glass manual call stations (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	7.000	4,482.950	31,380.650
15.3	Item 30-126(c)	Addressable sounder and accessories (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	7.000	7,362.950	51,540.650
15.4	Item 30-126(d)	Addressable Photo electric Smoke Detectors as approved by the engineer (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	28.000	3,769.750	105,553.000
15.5	Item 30-126(e)	Addressable Heat Detectors as approved by the engineer (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	2.000	3,769.750	7,539.500
15.6	Item 30-126(f)	Addressable Fire Alarm Control Panel as per project specified requirements (2 Loop) including backup battery, complete with all installation accessories, testing and commissioning (Copper Menvier UK, Honey well, Gent or approved equivalent).	Job	1.000	198,842.500	198,842.500
16		<u>CCTV System</u>				
16.1	Item 31-4(a)	Supply and Install, connect, test and commission of CCTV cameras (Chinese) complete with power cord, interconnecting cables and mounting brackets & accessories. Indoor/Outdoor IP based static Camera with Full HD, 30-60 fps, 6 - 8 viewing profile, inbuilt IR, SD card supported, PoE.	Each	5.000	68,697.000	343,485.000
16.2	Item 31-5(b)	Network Video Recorder (NVR): 16 channel, >320 Mbps with 2x3TB storage/HDD, complete with all cables and allied mounting brackets & accessories.	Each	1.000	499,800.000	499,800.000
16.3	Item 31-7	Supply & Installation of 24 port Layer-2 manageable PoE enabled switch with 4U Rack & patch panel.	Each	1.000	127,500.000	127,500.000
		Total "A"(Schedule items) C/o to Summary of Cost:				5,844,244.650
B) Non-Schedule Items.						
1		<u>Incandescent Fittings</u>				
1.1	Appendix 'c' Page No-9	Supply and installation of Make Philips, Sunlight, lumilux Surface mounted down light fixture with 17 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	413		
1.2	Appendix 'c' Page No-10	Supply and installation of Make Philips, Sunlight, lumilux Surface mounted down light fixture with 13 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	10		
1.3	Appendix 'c' Page No-11	Supply and installation of Make Philips, Sunlight, lumilux Surface mounted down light fixture with 10 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	12		
1.4	Appendix 'c' Page No-12	Supply and installation of Make Philips, Sunlight, lumilux LED Venty Light 07 Watt, complete with all necessary materials / accessories, complete in all respects.	Nos.	4		

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

ELECTRICAL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate	Amount
1.5	Appendix ' c' Page No-13	Supply and installation of Make Philips, Sunlight, lumilux LED Outdoor Wall Light 14 Watt, complete with all necessary materials / accessories, complete in all respects.	Nos.	12		
2		<u>Switch & Sockets.</u>				
2.1	Appendix ' c' Page No-14	Providing and Fixing of Universal Switched Socket 13 Amp Clipsal Austrian Made with back box (3"x3").	Nos.	16		
2.2	Appendix ' c' Page No-14	Providing and Fixing of MS Sheet Floor Box including 2 nos. 13 Amp switch sockets, 1 no. 5 Amp Switch Socket, 2 Nos. RJ 45 for Telephone and Data, Complete in all respect as approved by the Engineer Incharge, Make Clipsal, Legrand, Delpro or eqv.	Nos.	67		
3		<u>Earthing System</u>				
3.1		<u>Earth Connecting Point</u>				
	Appendix ' c' Page No-1	Supply, installation of earth connecting points consisting of copper plate 12" long, 2" wide and 1/2" thick to be installed as and where shown on drawings on the wall of the trenches, complete with fixing arrangement, brass nuts bolts complete in all respects to facilitate connections of Incoming copper strips and Outgoing CPC.	Nos.	4		
2		<u>Telephone System</u>				
2.1		<u>Telephone Outlet</u>				
	Appendix ' c' Page No-2	Supply / Erection of Bush made data single socket (RJ-45) including 16 SWG back box of 3"x3" size complete in all respect.	Each	7		
2.2		<u>Telephone Cables</u>				
		Providing & laying multi pairs (Twisted) PVC insulated / underground cable of best quality (siemens, Germany, or Best imported as per approved sample) in pre-laid PVC recessed conduit or fixed cable duct/ Tray as per satisfaction of the Electrical Engineer.				
a	Appendix ' c' Page No-3	<u>4-5 Pair Cable CAT-6/UG/PVC (0.6 mm sq)</u> <u>(From DP to each Room)</u>	Rft	6888		
2.2		<u>Telephone Exchange</u>				
	Appendix ' c' Page No-4	Supply, installation and commissioning of PABX TDA-100D: 8 Lines & 24 Extensions Built-in, Support upto 32 Lines & 124 Extensions, Support OGM Card and Built-in CLI , Conference Call Option, Phone Book Option, Day/Night Mode Settings, Call forwarding, Call wating, including Operator Console comple in all respect as approved by the engineer incharge.	Each	1		
3		<u>Computer System</u>				
3.1		<u>Computer Outlet</u>				
	Appendix ' c' Page No-2	Supply / Erection of Bush made data single socket (RJ-45) including 16 SWG back box of 3"x3" size complete in all respect.	Each	15		
3.2		<u>Computer Cables</u>				
		Wiring for each data/computer point included cost of 1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed manufactured by Krone, 3M, Clipsal to support data rates upto1GBits/s. or more than 1 GBits/s with connections at both ends, designation labels				
a	Appendix ' c' Page No-3	1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed.	Rft	5904		
4	4.1	<u>CCTV System</u>				
		Wiring for each CCTV cameras point included cost of 1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed manufactured by Krone, 3M, Clipsal to support data rates upto1GBits/s. or more than 1 GBits/s with connections at both ends, designation labels				
a	Appendix ' c' Page No-3	1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed.	Rft	2450		

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF LIBRARY - PACKAGE 02

BILL OF QUANTITIES

ELECTRICAL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate	Amount
7		<u>L.T. Switchgear</u>				
		<u>MAIN PANEL BOARD</u>				
		Supply, installation, connection of wires cables, and commissioning of distribution boards concealed type or to be installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring, PVC cable glands for incoming and out going wires/cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pasted on the front side of DB, 3 phase indication lamps of colour red, yellow, blue, make Hager, Legrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, lcu not less than 10 KA, and for miniature circuit breakers lcu 6 KA make Schneider, Legrand (France), Terasaki (Japan) having overload and short circuit protection, including cost of all necessary fixing accessories complete in all respects make PEL, Techno Build Engineering.				
	Appendix ' c' Page No-7	<u>MPB (Main Panel Board- WAPDA)</u> 02 No. Incoming 630 Amp MCCB TP, RC=35 kA (Elect. & Mech. Interlocking). 05 No. Outgoing 75 Amp MCCB TP, RC=16 kA 01 No. Outgoing 300 Amp MCCB TP, RC=16 kA a) 6 No Digital ammeter b) 6 No Digital voltmeter d) 6 No indication lights 220 Volt e) 6 Nos. Current Transformer 400/5A f) 400 Amp. 3 Ph N & Earth copper busboards g) Power Wiring. h) Panel steel grid painted along with locking arrangement	No.	1		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				