



**ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL AND MULTIPURPOSE HALL
PACKAGE-03**



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

OCTOBER, 2021



GRAND SUMMARY OF COST
ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
PACKAGE-03
CONSTRUCTION OF FACULTY HOSTEL AND MULTIPURPOSE HALL
BILL OF QUANTITIES

S/N	DESCRIPTION	AMOUNT (Rs.)
A-1	FACULTY HOSTEL - SCHEDULED ITEMS	
	• CIVIL WORK	89,964,264
	• PUBLIC HEALTH WORK	6,088,457
	• ELECTRICAL WORK	7,637,079
	SUB TOTAL (A-1) SCHEDULED ITEMS	103,689,800
A-2	MULTIPURPOSE HALL - SCHEDULED ITEMS	
	• CIVIL WORK	37,585,277
	• PUBLIC HEALTH WORK	2,126,218
	• ELECTRICAL WORK	5,227,366
	SUB TOTAL (A-2) SCHEDULED ITEMS	44,938,861
A	TOTAL-A SCHEDULED ITEMS:	148,628,661
	% AGE ABOVE / BELOW ON CSR 2018 BALOCHISTAN :	
	NET TOTAL-A (SCHEDULED ITEMS):	
B-1	FACULTY HOSTEL - NON SCHEDULED ITEMS	
	• CIVIL WORK	
	• PUBLIC HEALTH WORK	
	• ELECTRICAL WORK	
	SUB TOTAL (B-1) NON SCHEDULED ITEMS	
B-2	MULTIPURPOSE HALL - 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 FACULTY HOSTEL - PACKAGE 03
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.	15,433.950	3.900	60,192.405
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.	64,848.768	10.250	664,699.870
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.	43,232.512	3.800	164,283.545
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.	14,621.345	6.700	97,963.008
		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.	36,932.569	9.750	360,092.545
		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.	4,046.405	185.350	750,001.109
5.2	a)	Ratio 1: 2: 4 (Under Floor)	Cu.ft.	2,435.843	232.500	566,333.401
		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.	24,896.419	276.000	6,871,411.575
		COLUMNS AND PILLARS				
7	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.	3,796.734	359.500	1,364,926.008
	5-15(a)+(e)	First Floor	Cu.ft.	2,597.766	375.400	975,201.216

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
BILL OF QUANTITIES
CIVIL WORKS

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	5-15(a)+(e)+(f)	Second Floor	Cu.ft.	2,597.766	386.300	1,003,516.861
	5-15(a)+(e)+(f)x 2	Mumty Floor	Cu.ft.	153.563	397.200	60,995.025
		BEAMS, SLABS AND LINTELS				
8	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.	3,071.250	296.200	909,704.250
9	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.	4,093.458	318.350	1,303,152.295
	5-16(a)+(b)	First Floor	Cu.ft.	3,002.114	333.300	1,000,604.617
	5-16(a)+(b)+c	Second Floor	Cu.ft.	2,977.308	345.250	1,027,915.522
	5-16(a)+(b)+c	Mumty Floor	Cu.ft.	113.203	357.200	40,436.156
10	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.	4,764.900	327.300	1,559,551.770
	5-17-(a)(i)+(ii)	First Floor	Cu.ft.	3,945.375	343.150	1,353,855.431
	5-17-(a)(i)+(ii)+(iii)	Second Floor	Cu.ft.	3,806.250	355.050	1,351,409.063
	5-17-(a)(i)(ii)+(iii)x2	Mumty Floor	Cu.ft.	147.000	366.950	53,941.650
		BALCONY, SUN SHADES, PARAPETS, EAVE BOARDS AND STAIRS				
11	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.	-	374.700	-
	5-20(a)+(b)+(c)	Second Floor	Cu.ft.	161.276	374.700	60,430.141

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
BILL OF QUANTITIES
CIVIL WORKS

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Government of Balochistan Composite Schedule of Rates Version 2018						
	5-20(a)+(b)+(c)x2+	Mumty Floor	Cu.ft.	409.965	390.150	159,947.698
12	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.	887.250	299.400	265,642.650
	5-21(a)+(b)	First Floor	Cu.ft.	267.094	312.450	83,453.442
	5-21(a)+(b)+c	Second Floor	Cu.ft.	267.094	322.250	86,070.961
		Steel Reinforcement				
13	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	116.899	130,426.050	15,246,696.905
	(a+f)	First Floor	Tonne	34.006	132,559.750	4,507,796.992
	(a+f+g)	Second Floor	Tonne	33.771	133,839.950	4,519,954.960
	(a+f+gx2)	Mumty Floor	Tonne	2.087	135,120.150	282,047.670
		Block Masonry				
14	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				
14.1	a)	4.5" (115 mm) thick Solid Brick masonry				
	11-12(iii)	Ground Floor	Cu.ft.	1,084.381	277.250	300,644.688
	11-12(iii)+11-26(a)	First Floor	Cu.ft.	1,033.348	296.350	306,232.578
	11-12(iii)+11-26(a)	Second Floor	Cu.ft.	1,122.004	315.450	353,936.290
14.2	b)(iv)	9" (225 mm) thick (1:5) Solid Brick masonry				
	11-12(iii)+11-26(a)	Ground Floor	Cu.ft.	10,158.513	256.050	2,601,087.365
	11-12(iii)+11-26(a)	First Floor	Cu.ft.	7,808.407	275.150	2,148,483.195
	11-12(iii)+11-26(a)	Second Floor	Cu.ft.	7,775.332	294.250	2,287,891.450
	11-12(iii)+11-26(a)	Mumty Floor	Cu.ft.	634.152	313.350	198,711.435

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
BILL OF QUANTITIES
CIVIL WORKS

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Government of Balochistan Composite Schedule of Rates Version 2018						
		Flooring				
15	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.	1,587.677	145.650	231,245.219
16	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.	3,175.355	54.350	172,580.537
17	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.	2,381.400	102.550	244,212.570
18	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.	17.850	81.650	1,457.453
19	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.	1,500.282	6.450	9,676.819
20	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.	6,983.466	158.600	1,107,577.708
	73-a+c	First Floor	Sq.ft.	5,239.316	162.000	848,769.233
	73-a+c+d	Second Floor	Sq.ft.	5,239.316	164.950	864,225.215
	73-a+c+dx2	Mumty Floor	Sq.ft.	176.400	167.900	29,617.560
21	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.				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03

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						
	54 c	Ground Floor	Sq.ft.	667.035	125.100	83,446.078
	55-a+c	First Floor	Sq.ft.	783.804	128.500	100,718.828
	55 a+c+d	Second Floor	Sq.ft.	783.804	130.950	102,639.148
	55-a+c+dx2	Mumty Floor	Sq.ft.	18.182	133.400	2,425.452
22	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.	1,053.544	182.250	192,008.348
	14-25 -a+c	First Floor	Sq.ft.	932.400	184.700	172,214.280
	14-25-a+c+d	Second Floor	Sq.ft.	1,396.500	186.150	259,958.475
23	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.	4,750.909	144.050	684,368.448
	64-a+c	First Floor	Sq.ft.	4,704.000	146.500	689,136.000
	64-a+c+d	Second Floor	Sq.ft.	4,704.000	148.200	697,132.800
24	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.	333.900	227.700	76,029.030
25	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.	1,130.850	500.900	566,442.765

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
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						
	16-1+24a+c	First Floor	Sq.ft.	705.600	504.300	355,834.080
26	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.	929.250	40.600	37,727.550
27	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.	1,265.250	133.600	169,037.400
28	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.	75.600	703.020	53,148.312
	51-a+46a	First Floor	Sq.ft.	257.250	773.322	198,937.085
	51-a+46a+b	Second Floor	Sq.ft.	257.250	826.049	212,500.977
		Finishing				
29	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.	6,527.110	23.400	152,734.368
	1(b)(ii)+34a	First Floor	Sq.ft.	5,239.316	37.400	195,950.428
	1(b)(ii)+34a+35a	Second Floor	Sq.ft.	5,239.316	49.550	259,608.120
	1(b)(ii)+34a+35ax2	Mumty Floor	Sq.ft.	176.400	61.700	10,883.880
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 columns including making edges corner and curing.				
	3 (iii)	Ground Floor	Sq.ft.	25,841.576	22.950	593,064.175
	3 (iii)+34a	First Floor	Sq.ft.	24,137.593	36.950	891,884.069
	3 (iii)+34a+35a	Second Floor	Sq.ft.	24,137.593	49.100	1,185,155.826
	3(iii)+34a+35ax2	Mumty Floor	Sq.ft.	518.700	61.250	31,770.375

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
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						
31	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 including making edges, corners and curing.				
	4 (iii)	Ground Floor	Sq.ft.	-	27.450	-
	4 (iii)+34b	First Floor	Sq.ft.	7,945.980	42.350	336,512.253
	4 (iii)+34b+35b	Second Floor	Sq.ft.	6,922.230	55.400	383,491.542
	4(iii)+34b+35b x2	Mumty Floor	Sq.ft.	4,034.363	68.450	276,152.113
28-A	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.	882.000	68.400	60,328.800
	58-a+46a	First Floor	Sq.ft.	970.200	75.240	72,997.848
	58-a+46a+b	Mumty Floor	Sq.ft.	529.200	80.370	42,531.804
29	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	6,736.800	183.350	1,235,192.280
		Wood Work				
30	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.	159.600	1,075.650	171,673.740
31	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.	924.000	636.600	588,218.400
	82-c+87-a	First Floor	Sq.ft.	1,386.000	700.260	970,560.360
	82-c+87-a+b	Second Floor	Sq.ft.	1,386.000	748.005	1,036,734.930
32	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 FACULTY HOSTEL - PACKAGE 03
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.	722.400	783.200	565,783.680
	11-a-ii+87-a	First Floor	Sq.ft.	730.800	861.520	629,598.816
	11-a-ii+87-a+b	Second Floor	Sq.ft.	730.800	920.260	672,526.008
	11-a-ii+87-a+bx2	Mumty Floor	Sq.ft.	29.400	979.000	28,782.600
33	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	329.175	247.300	81,404.978
	97-1+87-a	First Floor	Rft	381.150	272.030	103,684.235
	97-1+87-a+b	Second Floor	Rft	381.150	290.578	110,753.614
34	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.	349.125	645.250	225,272.906
	98-1+87-a	First Floor	Sq.ft.	404.250	709.775	286,926.544
	98-1+87-a+b	Second Floor	Sq.ft.	381.150	758.169	288,976.019

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
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						
35	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	44.000	763.500	33,594.000
	66-a+87-a	First Floor	Each	47.000	839.850	39,472.950
	66-a+87-a+b	Second Floor	Each	47.000	897.113	42,164.288
	66-a+87-a+bx2	Mumty Floor	Each	1.000	954.375	954.375
36	Ch-16 item 74-b(ii)+87a+b P-152+155	Providing and fixing approved Chromium plated brass sliding bolts or aldop 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	44.000	854.100	37,580.400
	74-b(ii)+87-a	First Floor	Each	47.000	939.510	44,156.970
	74-b(ii)+87-a+b	Second Floor	Each	47.000	1,003.568	47,167.673
	74-b(ii)+87-a+bx2	Mumty Floor	Each	1.000	1,067.625	1,067.625
37	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	2.000	2,277.600	4,555.200
		Painting and Warnishing				
38	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.	6,853.465	16.950	116,166.236
	67-1+47-a	First Floor	Sq.ft.	6,845.282	18.645	127,630.284
	67-1+47-a+b	Second Floor	Sq.ft.	6,845.282	19.916	136,332.349
	67-1+47-a+bx2	Mumty Floor	Sq.ft.	1,529.220	21.188	32,400.349

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
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						
39	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.	27,133.655	31.900	865,563.596
	8-1+47-a	First Floor	Sq.ft.	25,344.473	35.090	889,337.553
	8-1+47-a+b	Second Floor	Sq.ft.	25,344.473	37.483	949,974.204
	8-1+47-a+bx2	Mumty Floor	Sq.ft.	544.635	39.875	21,717.321
40	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.	1,444.800	42.550	61,476.240
	15-b+47-a	First Floor	Sq.ft.	1,444.800	46.805	67,623.864
	15-b+47-a+b	Second Floor	Sq.ft.	1,444.800	49.996	72,234.582
	15-b+47-a+bx2	Mumty Floor	Sq.ft.	58.800	53.507	3,146.190
41	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.	1,594.950	27.300	43,542.135
	7-1+47-a	First Floor	Sq.ft.	1,428.000	30.030	42,882.840
	7-1+47-a+b	Second Floor	Sq.ft.	1,428.000	32.078	45,806.670
	7-1+47-a+bx2	Mumty Floor	Sq.ft.	105.000	34.330	3,604.624
42	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.	184.800	28.850	5,331.480

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
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-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.	-	31.800	-
	69-1+47-a	First Floor	Sq.ft.	7,945.980	34.980	277,950.380
	69-1+47-a	Second Floor	Sq.ft.	6,922.230	38.478	266,353.566
	69-1+47-a	Mummtly floor	Sq.ft.	4,034.363	42.326	170,757.620
		Iron, Steel and Aluminium Works				
43	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.	277.200	264.050	73,194.660
	40-a+67-a	First Floor	R.ft.	381.150	290.455	
	40-a+67-a	Second Floor	R.ft.	381.150	319.501	
	b)	8"-10" (200mm-250 mm) size				
	40-b	Ground Floor	R.ft.	697.200	509.350	355,118.820
	40-b+67-a	First Floor	R.ft.	510.300	560.285	285,913.436
	40-b+67-a+b	Second Floor	R.ft.	510.300	598.486	305,407.533
	40-b+67-a+bx2	Mumty Floor	R.ft.	20.475	636.688	13,036.177
44	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.	50.400	1,106.850	55,785.240

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03

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						
45	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.	39.375	805.450	31,714.594
	25-1+67-a	First Floor	Sq.ft.	-	885.995	-
	25-1+67-a	Second Floor	Sq.ft.	-	946.404	-
46	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.	1,252.650	1,050.050	1,315,345.133
	26-a&b+67-a	First Floor	Sq.ft.	1,018.500	1,155.055	1,176,423.518
	26-a&b+67-a+b	Second Floor	Sq.ft.	1,018.500	1,233.809	1,256,634.212
	26-a&b+67-a+bx2	Mumty Floor	Sq.ft.	-	1,312.563	-
47	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.	105.000	2,005.700	210,598.500
	82-1+67-a	First Floor	R.ft.	78.750	2,206.270	173,743.763
	82-1+67-a+b	Second Floor	R.ft.	78.750	2,356.698	185,589.928
48	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.	126.000	678.600	85,503.600
	54-a+67-a	First Floor	R.ft.	126.000	746.460	94,053.960

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
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						
	54-a+67-a+b	Second Floor	R.ft.	126.000	797.355	100,466.730
49	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.	1,252.650	330.600	414,126.090
	28-1+87-a	First Floor	Sq.ft.	1,018.500	363.660	370,387.710
	28-1+87-a+b	Second Floor	Sq.ft.	1,018.500	388.455	395,641.418
	28-1+87-a+bx2	Mumty Floor	Sq.ft.	-	413.250	-
48-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
		Roofing & Water Proofing				
50	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.	-	87.800	-
	18-a+b	First Floor	Sq.ft.	1,806.000	99.500	179,697.000
	18-a+bx2	Second Floor	Sq.ft.	7,035.000	111.200	782,292.000
	18-a+bx3	Mumty Floor	Sq.ft.	273.000	122.900	33,551.700
51	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 4 inches (100mm) thick earth and 1 inch (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.	8,667.000	159.850	1,385,419.950
	13-5-1	First Floor	Sq.ft.	1,806.000	159.850	288,689.100
	13-5-1	Mumty Floor	Sq.ft.	7,035.000	159.850	1,124,544.750

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03

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-a+18-bx3	Mumty Floor	Sq.ft.	273.000	159.850	43,639.050
52	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	-	675.900	-
	10-1+52a	First Floor	Each	2.000	743.490	1,486.980
	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
53	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	-	1,169.450	-
	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
54	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.	-	116.500	-
	11-1+52a	First Floor	R.ft.	54.600	128.150	6,996.990
	11-1+52a+b	Second Floor	R.ft.	1.000	136.888	136.888
	11-1+52a+bX2	Mumty Floor	R.ft.	21.000	145.625	3,058.125
55	Ch-13 item 61-b P-116	Providing and fixing P.V.C. socket for rain water downpipe.				
	61-b	Ground Floor	Each	-	398.400	-
	161-b+52a	First Floor	Each	4.000	438.240	1,752.960
	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
56	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	-	1,044.650	-
	62-b+52a	First Floor	Each	4.000	1,149.115	4,596.460

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
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						
	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
57	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	-	1,044.650	-
	63-b+52a	First Floor	Each	4.000	1,149.115	4,596.460
	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:					89,964,264.369
		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	15,730.58		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				

CONSTRUCTION OF FACULTY
HOSTEL
PUBLIC HEALTH WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

**BILL OF QUANTITIES
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
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	40.000	13,527.000	541,080.000
2		Providing and fixing squatting type water closet W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap 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.				
	23-2 a i	i) White	Each	20.000	7,295.400	145,908.000
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	40.000	11,775.600	471,024.000
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	2.000	417.750	835.500

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

**BILL OF QUANTITIES
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
PUBLIC HEALTH WORKS**

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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	16.000	16,575.600	265,209.600
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	3.000	8,610.000	25,830.000
7	23-14-1/P-200	Providing and fixing approved quality C.P. brass toilet paper holder Master /Sonex or equivalent make.				
			Each	40.000	1,207.500	48,300.000
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	52.000	12,540.000	652,080.000
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	54.000	1,923.000	103,842.000
10	23-15-1/P-200	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.				
			Sft	230.000	137.100	31,533.000
11	23-16/P-200	Providing and fixing shelf of standard size.				
		b) Shelf (Master/Sonex make)	Each	43.000	2,463.750	105,941.250
12	23-29/P-201	Providing and fixing soap dish				
		a) Chromium plated	Each	95.000	915.000	86,925.000
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	40.000	3,660.000	146,400.000
		<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	1,500.000	234.750	352,125.000
		iii) 1" (25 mm) inner dia.	Rft	800.000	328.250	262,600.000
15	23-66	Supply and fix gas items including all accessories and fittings such as G.I pipe, rubber pipe, specials, gas stop cocks etc				
	m	12.5 Liter Instant Geyser	Nos.	6.000	17,280.000	103,680.000
	b	Gyser 50 gallons capacity	Nos.	4.000	14,760.000	59,040.000
16	23-51	Providing and fixing brass gas cock.				
	b	3/4" i.d	No.	150.000	886.200	132,930.000
		<u>Water Supply System</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

**BILL OF QUANTITIES
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
PUBLIC HEALTH WORKS**

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
16	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	2,500.000	49.860	124,650.000
		32mm dia	Rft	1,060.000	55.960	59,317.600
		40mm dia	Rft	650.000	79.980	51,987.000
		50mm dia	Rft	890.000	115.220	102,545.800
		63mm dia	Rft	400.000	192.090	76,836.000
		75mm dia	Rft	256.000	177.370	45,406.720
17	23-39	Providing and fixing superior quality gun-metal peet/gate valve flanges end (Class150) of approved make.				
	b iii	25 mm	Nos.	12.000	1,053.000	12,636.000
	b iv	30mm	Nos.	28.000	1,173.000	32,844.000
	b v	40 mm	Nos.	32.000	1,590.000	50,880.000
	b vi	50 mm	Nos.	6.000	1,824.000	10,944.000
	b vii	65mm	Nos.	5.000	3,330.000	16,650.000
	b viii	75 mm	Nos.	2.000	3,960.000	7,920.000
18	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	7.000	675.900	4,731.300
19	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	1,161.000	198.500	230,458.500
	b	4" (100 mm) inner dia.	Rft	932.000	116.500	108,578.000
20	13-61	Providing and fixing P.V.C. socket for rain water downpipe.				
	a	3" (75 mm) inner dia.	no	116.100	315.250	36,600.525
	b	4" (100 mm) inner dia.	no	93.200	398.400	37,130.880
21	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	116.100	1,319.000	153,135.900
	b	4" (100 mm) inner dia.	no	93.200	1,044.650	97,361.380
		Over Head Water Tank				
22	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	266.250	277.750	73,950.938
		c) Top slab upto 6" (150 mm) thick	Per Cft	318.500	327.300	104,245.050
23	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	1.637	130,426.050	213,546.572

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

**BILL OF QUANTITIES
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
PUBLIC HEALTH WORKS**

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
24	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
25	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	75.000	110.200	8,265.000
		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				
26	3-42/P-31	ii) Ordinary soil	Cft	3,001.440	2.900	8,704.176
27	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	500.240	297.100	148,621.304
28	25-02/P-213	Providing and fixing gully 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 gully 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	13.000	4,540.200	59,022.600

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

**BILL OF QUANTITIES
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
PUBLIC HEALTH WORKS**

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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	17.000	12,811.700	217,798.900
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	145.000	2,055.000	297,975.000
		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
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
PUBLIC HEALTH WORKS**

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
37	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:						6,088,456.534

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

**BILL OF QUANTITIES
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
PUBLIC HEALTH WORKS**

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		Non Schedule Items				
		Part-3: Sewerage System				
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	324.50		
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	24.00		
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.	4.00		
		4" i.d	Nos.	9.00		
4	NS	Providing and making Rain water collection pit internal size 12"x12" 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	2.00		
		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.	1.00		
	NS	1" i.d	No.	2.00		
6	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.	1.00		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				

CONSTRUCTION OF FACULTY
HOSTEL
ELECTRICAL WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

**CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
ELECTRICAL 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						
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	34.000	4,433.250	150,730.500
	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	14.000	3,546.600	49,652.400
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	365.000	1,877.300	685,214.500
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	479.000	563.200	269,772.800
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	9.000	3,284.650	29,561.850
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	66.000	1,877.300	123,901.800
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	85.000	1,877.300	159,570.500
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 wiring accessories such as bends, elbows, junction boxes etc.	Rft	3350.000	101.950	341,532.500
	4.2	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	5495.000	69.550	382,177.250
4		<u>1 x 3 Pin 15 Amps Switch Socket</u>				
	4.1	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	5525.000	101.950	563,273.750
5		<u>Switch & Socket</u>				
	5.1	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.	18.000	792.600	14,266.800

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

**CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
ELECTRICAL WORKS**

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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.	44.000	931.400	40,981.600
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.	58.000	1,017.400	59,009.200
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.	105.000	1,103.400	115,857.000
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.	9.000	1,888.600	16,997.400
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.	85.000	3,008.500	255,722.500
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.	157.000	938.750	147,383.750
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.	67.000	1,045.000	70,015.000
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 30-41	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	650.000	851.100	553,215.000
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	300.000	2,202.000	660,600.000
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	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	85.000	5,577.000	474,045.000
10		<u>Exhaust Fans</u>				
	Item 30-113	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.	Each	66.000	2,760.000	182,160.000
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	180.000	2,748.000	494,640.000
13		<u>Earthing System</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

**CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
ELECTRICAL WORKS**

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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		Telephone System				
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		CCTV System				
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	7.000	68,697.000	480,879.000
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:				7,637,078.650
B) Non-Schedule Items.						
1		Incandescent Fittings				
1.1	Appendix 'c' Page No-9	Supply and installation of Make Philips, Sunlight, lumilux Surface mounted down light fixture with 18 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	655		
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.	114		
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.	45		
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.	27		
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.	15		
1.5	Appendix 'c' Page No-15	Supply and installation of Make Philips, Sunlight, lumilux LED Tube Light 18 Watt, complete with all necessary materials / accessories, complete in all respects.	Nos.	8		
2		Switch & Sockets.				
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.	67		

BILL OF QUANTITIES
CONSTRUCTION OF FACULTY HOSTEL - PACKAGE 03
ELECTRICAL WORKS

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CONSTRUCTION OF MULTIPURPOSE
HALL
CIVIL WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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.	19,387.200	3.900	75,610.080
2	CH:3 item 21(B)(iv) 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 iv) Shingle or gravel	Cu.ft.	24,547.766	10.250	251,614.604
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.	16,365.178	3.800	62,187.675
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.	24,156.825	6.700	161,850.728
		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.	22,920.450	9.750	223,474.388
		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.	1,784.672	185.350	330,788.932
5.2	a)	Ratio 1: 2: 4 (Under Floor)	Cu.ft.	2,131.870	232.500	495,659.804
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.	6,245.925	276.000	1,723,875.300
		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.	3,720.675	359.500	1,337,582.663

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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						
	5-15(a)+(e)	First Floor	Cu.ft.	1,064.700	375.400	399,688.380
		BEAMS, SLABS AND LINTELS				
8	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 of required shape or section including formwork and its removal compacting and curing.				
	5-49(a)	Ground Floor	Cu.ft.	2,758.875	296.200	817,178.775
9	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.	2,991.319	318.350	952,286.324
	5-16(a)+(b)	First Floor	Cu.ft.	1,688.663	333.300	562,831.211
10	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.	3,775.800	327.300	1,235,819.340
	5-17-(a) (i)+(ii)	First Floor	Cu.ft.	-	343.150	-
		BALCONY, SUN SHADES, PARAPETS, EAVE BOARDS AND STAIRS				
11	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.	611.888	374.700	229,274.246
	5-20(a)+(b)+(c)	Second Floor	Cu.ft.	-	374.700	-
		Steel Reinforcement				
12	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	Ton	70.385	130,426.050	9,180,095.473

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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						
	(a+f)	First Floor	Ton	13.621	132,559.750	1,805,571.199
		Block Masonry				
13	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 mortar (1:5)				
13.1	(b) (iv)	Above 4.5" (115mm) thick Solid Brick Masonry	Cu.ft.	389.813	239.400	93,321.113
14	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				
14.1	a)	4.5" (115 mm) thick Solid Brick masonry				
	11-12(iii)	Ground Floor	Cu.ft.	672.718	277.250	186,511.048
14.2	b)	9" (225 mm) thick Solid Brick masonry				
	11-12(iv)	Ground Floor	Cu.ft.	7,898.231	256.050	2,022,342.112
	11-12(iv)+11-26(a)	First Floor	Cu.ft.	2,474.325	275.150	680,810.524
		Flooring				
15	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.	3,019.603	145.650	439,805.195
16	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.	3,019.603	54.350	164,115.430
17	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.	2,472.750	102.550	253,580.513
18	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.	1,557.833	6.450	10,048.020

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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						
19	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.	10,925.513	158.600	1,732,786.283
20	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.	416.084	125.100	52,052.046
21	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.	1,152.900	182.250	210,116.025
22	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.	1,900.823	144.050	273,813.611
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.	368.550	227.700	83,918.835
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.				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

BILL OF QUANTITIES

CIVIL WORKS

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Government of Balochistan Composite Schedule of Rates Version 2018						
	9c-1+24a	Ground Floor	Sq.ft.	926.100	495.550	458,928.855
25	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.	157.500	40.600	6,394.500
26	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.	2,005.500	133.600	267,934.800
27	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.	131.250	703.020	92,271.375
		Finishing				
28	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.	7,455.000	23.400	174,447.000
	1(b)(ii)+34a	First Floor	Sq.ft.	-	37.400	-
29	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 including making edges corner and curing.				
	3 (iii)	Ground Floor	Sq.ft.	19,608.750	22.950	450,020.813
	3 (iii)+34a	First Floor	Sq.ft.	3,591.000	36.950	132,687.450
30	Ch-15 item 3 (iii)+6-1 P-129+130	Extra for plaster of any description for every additional 5 ft.(1.5m.) height or part thereof beyond 15 ft. (4.5 m.)				
	3 (iii)+6-1	Upto20' Height	Sq.ft.	1,627.500	25.050	40,768.875
	3 (iii)+6-1x2	Upto25' Height	Sq.ft.	1,627.500	27.150	44,186.625
31	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 including making edges, corners and curing.				
	4 (iii)	Ground Floor	Sq.ft.	5,240.256	27.450	143,845.027
	4 (iii)+34b	First Floor	Sq.ft.	-	42.350	-

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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						
	4 (iii)+34b+35b	Second Floor	Sq.ft.	-	55.400	-
32	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	9,740.850	183.350	1,785,984.848
		Wood Work				
33	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				
	11-a-ii	Ground Floor	Sq.ft.	432.600	783.200	338,812.320
34	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	225.225	247.300	55,698.143
35	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.	238.875	645.250	154,134.094

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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						
36	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	28.000	763.500	21,378.000
	66-a+87-a	First Floor	Each	-	839.850	-
37	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	28.000	854.100	23,914.800
38	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	8.000	2,277.600	18,220.800
		Painting and Warnishing				
39	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.	7,827.750	16.950	132,680.363
	67-1+47-a	First Floor	Sq.ft.	6,237.000	18.645	116,288.865
40	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.	20,589.188	31.900	656,795.081
	8-1+47-a	First Floor	Sq.ft.	3,770.550	35.090	132,308.600
41	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.	865.200	42.550	36,814.260

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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-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.	1,744.050	27.300	47,612.565
	7-1+47-a	First Floor	Sq.ft.	667.800	30.030	20,054.034
43	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.	44.100	28.850	1,272.285
		Iron, Steel and Aluminium Works				
44	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.	225.225	264.050	59,470.661
	b)	8"-10" (200mm-250 mm) size				
	40-b	Ground Floor	R.ft.	306.075	509.350	155,899.301
45	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.	529.200	1,106.850	585,745.020
	41-1+86-b(iv)+67-a	First Floor	Sq.ft.	-	1,217.535	-

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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						
46	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.	423.413	805.450	341,037.598
	25-1+67-a	First Floor	Sq.ft.	-	885.995	-
47	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./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.	643.125	1,050.050	675,313.406
	26-a&b+67-a	First Floor	Sq.ft.	333.900	1,155.055	385,672.865
48	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.	126.000	2,005.700	252,718.200
49	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.	980.700	330.600	324,219.420
	28-1+87-a	First Floor	Sq.ft.	333.900	363.660	121,426.074
		Roofing & Water Proofing				
50	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.				
	18-a	Ground Floor	Sq.ft.	6,720.000	87.800	590,016.000
	18-a+b	First Floor	Sq.ft.	6,300.000	99.500	626,850.000

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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						
51	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.	6,300.000	159.850	1,007,055.000
	13-5-1	First Floor	Sq.ft.	6,300.000	159.850	1,007,055.000
52	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
53	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
54	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.	54.600	128.150	6,996.990
55	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
56	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
57	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

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

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						
		Total "A"(Schedule items) C/o to Summary of Cost:				37,585,276.904
		NON SCHEDULE ITEMS-B				
		Double Tee Roof System				
1	N.S	Providing and laying precast double tee slab system, installed in multipurpose hall, as per design at any floor and any height by (Izhar Group or approved equivalent) complete in all respect. as per Specifications and show on drawings, and as per approved by The Engineer.	Sq.ft.	6,300.00		
2	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	4,273.50		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				

CONSTRUCTION OF MULTIPURPOSE
HALL
PUBLIC HEALTH WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03
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	4.000	13,527.000	54,108.000
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	6.000	7,295.400	43,772.400
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	5.000	11,775.600	58,878.000
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	3.000	417.750	1,253.250
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	4.000	16,575.600	66,302.400

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03
BILL OF QUANTITIES
PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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	10.000	1,207.500	12,075.000
8	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	8.000	1,923.000	15,384.000
9	23-15-1/P-200	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.	Sft	50.000	137.100	6,855.000
10	23-16/P-200	Providing and fixing shelf of standard size. b) Shelf (Master/Sonex make)	Each	7.000	2,463.750	17,246.250
11	23-29/P-201	Providing and fixing soap dish a) Chromium plated	Each	7.000	915.000	6,405.000
12	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	10.000	3,660.000	36,600.000
		Gas Supply System				
12	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	900.000	234.750	211,275.000
13	23-66	Providing and installing Gas geyser "CANON" including fitting & fitting accessories, complete in all respect as per specifications and drawings.				
	b	Gyser 50 gallons capacity	Nos.	2.000	14,760.000	29,520.000
1	23-51	Providing and fixing brass gas cock.				
	b	3/4" i.d	No.	30.000	886.200	26,586.000
		Water Supply System				
13	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	1200.000	49.860	59,832.000
		32mm dia	Rft	900.000	55.960	50,364.000
		40mm dia	Rft	400.400	79.980	32,023.992
		50mm dia	Rft	500.000	115.220	57,610.000
		63mm dia	Rft	300.000	192.090	57,627.000
14	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	900.000	198.500	178,650.000
	b	4" i.d	Rft	500.000	116.500	58,250.000

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03
BILL OF QUANTITIES
PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
15	13-61	Providing and fixing P.V.C. socket for rain water downpipe.				
	a	3" (75 mm) inner dia.	no	90.000	315.250	28,372.500
	b	4" (100 mm) inner dia.	no	50.000	398.400	19,920.000
16	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	90.000	1,319.000	118,710.000
	b	4" (100 mm) inner dia.	no	50.000	1,044.650	52,232.500
17	23-39	Providing and fixing superior quality gun-metal peet/gate valve flanges end (Class150) of approved make.				
	b iv	32 mm	Nos.	4.000	1,173.000	4,692.000
	b v	40 mm	Nos.	6.000	1,590.000	9,540.000
	b vi	50 mm	Nos.	5.000	1,824.000	9,120.000
	b vii	63 mm	Nos.	8.000	3,330.000	26,640.000
18	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	6.000	675.900	4,055.400
		Over Head Water Tank				
13	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	258.750	277.750	71,867.813
		c) Top slab upto 6" (150 mm) thick	Per Cft	253.750	327.300	83,052.375
14	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	1.435	130,426.050	187,161.382
15	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
16	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	65.000	110.200	7,163.000
		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				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03
BILL OF QUANTITIES
PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
17	3-42/P-31	ii) Ordinary soil	Cft	2835.300	2.900	8,222.370
18	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	452.550	76.900	34,801.095
19	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.				
		i) 9" (225 mm) inner dia.	Rft	20.000	297.100	5,942.000
20	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	6.000	4,540.200	27,241.200
21	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	10.000	12,811.700	128,117.000
22		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	20	No	2,055.000	41,100.000
		Septic Tank				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03
BILL OF QUANTITIES
PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
22	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
23	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
24	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
25	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
26	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
27	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
28	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:				2,126,217.966
		<u>Non Schedule Items</u>				
		<u>Part-3: Sewerage System</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03
BILL OF QUANTITIES
PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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	63		
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	5		
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.	1		
		4" i.d	Nos.	4		
		PART-4: Gas Supply System				
4		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.	3		
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 MULTIPURPOSE
HALL
ELECTRICAL WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

BILL OF QUANTITIES

ELECTRICAL 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						
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	68.000	1,877.300	127,656.400
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	137.000	563.200	77,158.400
3		<u>4 Lights Point Controlled By One MCB</u>				
	Item 30-33	Supply and install 4 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	2000.000	29.650	59,300.000
	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
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	12.000	1,877.300	22,527.600
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	46.000	1,877.300	86,355.800
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 wiring accessories such as bends, elbows, junction boxes etc.	Rft	1750.000	101.950	178,412.500
	4.2	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	1470.000	69.550	102,238.500
4		<u>1 x 3 Pin 15 Amps Switch Socket</u>				
	4.1	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	650.000	101.950	66,267.500
5		<u>Switch & Socket</u>				
	5.1	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

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

BILL OF QUANTITIES

ELECTRICAL WORKS

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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.	9.000	931.400	8,382.600
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.	22.000	1,017.400	22,382.800
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.	36.000	1,103.400	39,722.400
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.	46.000	3,008.500	138,391.000
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.	42.000	938.750	39,427.500
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.	10.000	1,045.000	10,450.000
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	400.000	19.700	7,880.000
	Item 30-22	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	400.000	24.650	9,860.000
	Item 30-23	Supply and installation of 1.25" (30mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	400.000	31.050	12,420.000
	Item 30-24	Supply and installation of 1.5" (40mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	400.000	39.850	15,940.000
	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>				
7.1	Item 30-34	Supply and install 6 sq.mm cable. PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	720.000	42.650	30,708.000
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	200.000	2,202.000	440,400.000
7		<u>Circuit Protective Conductor (CPC)</u>				
7.1	Item 30-33	Supply and install 4 sq.mm cable. PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	360.000	29.650	10,674.000
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	150.000	109.600	16,440.000
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	300.000	331.650	99,495.000
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	46.000	5,577.000	256,542.000
10		<u>Exhaust Fans</u>				
	Item 30-113	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.	Each	12.000	2,760.000	33,120.000
12		<u>L.T. Switchgear</u>				
		<u>Distribution Board Concealed</u>				
12.1		<u>DBLP-1B</u>				
12.2		<u>DBLP-1G</u>				
a	Item 30-115	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	57.000	2,748.000	156,636.000

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

BILL OF QUANTITIES

ELECTRICAL WORKS

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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
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	1260.000	268.350	338,121.000
	15.2	Item 30-126(b) Addressable break glass manual call stations (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	6.000	4,482.950	26,897.700
	15.3	Item 30-126(c) Addressable sounder and accessories (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	6.000	7,362.950	44,177.700
	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	42.000	3,769.750	158,329.500
	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	11.000	68,697.000	755,667.000
	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:						5,227,366.350
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 18 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	97		
	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.	61		
	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.	15		
	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.	8		
	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.	14		
	1.5	Appendix ' c' Page No-13 Supply and installation of Make Philips, lumilux, OMEGA TECH. 100 Watts High Bay Indoor IP65 Light with hanging arrangements , complete with all necessary materials / accessories, complete in all respects.	Nos.	16		
2		<u>Switch & Sockets.</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

BILL OF QUANTITIES

ELECTRICAL WORKS

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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.	35		
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.	1		
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	9		
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	984		
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	9		
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	984		
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	1968		
7		<u>L.T. Switchgear</u>				
		<u>MAIN PANEL BOARD</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF MULTIPURPOSE HALL - PACKAGE 03

BILL OF QUANTITIES

ELECTRICAL WORKS

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, Icu not less than 10 KA , and for miniature circuit breakers Icu 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.				
		MPB (Main Panel Board- WAPDA) 02 No. Incoming 250 Amp MCCB TP, RC=18 kA (Elect. & Mech. Interlocking). 06 No. Outgoing 50/ 75 /100 Amp MCCB TP, RC=10 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		
	Appendix ' c' Page No-7					
		Total "B"(Non Schedule items) C/o to Summary of Cost:				