



**ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF ACADEMIC BLOCK AND ADMIN BLOCK
PACKAGE-01**



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

OCTOBER, 2021



GRAND SUMMARY OF COST
ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
PACKAGE-01
CONSTRUCTION OF ACADEMIC BLOCK AND ADMIN BLOCK
BILL OF QUANTITIES

S/N	DESCRIPTION	AMOUNT (Rs.)
A-1	ACADEMIC BLOCK - SCHEDULED ITEMS	
	• CIVIL WORK	135,459,202
	• PUBLIC HEALTH WORK	9,837,794
	• ELECTRICAL WORK	10,673,129
	SUB TOTAL (A-1) SCHEDULED ITEMS	155,970,125
A-2	ADMIN BLOCK - SCHEDULED ITEMS	
	• CIVIL WORK	32,170,791
	• PUBLIC HEALTH WORK	2,115,412
	• ELECTRICAL WORK	4,603,921
	SUB TOTAL (A-2) SCHEDULED ITEMS	38,890,125
A	TOTAL-A SCHEDULED ITEMS:	194,860,249
	% AGE ABOVE / BELOW ON CSR 2018 BALOCHISTAN :	
	NET TOTAL-A (SCHEDULED ITEMS):	
B-1	ACADEMIC BLOCK - NON SCHEDULED ITEMS	
	• CIVIL WORK	
	• PUBLIC HEALTH WORK	
	• ELECTRICAL WORK	
	SUB TOTAL (B-1) NON SCHEDULED ITEMS	
B-2	ADMIN BLOCK - 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 :	

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CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

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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.	26,526.000	3.900	103,451.400
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.	77,952.866	10.250	799,016.879
3	CH:3 item 16 P-27	Filling, watering and compacting earth under floors in layers not exceeding 8 inches in thickness.				
3.1	A)	With surplus earth from foundation etc.	Cu.ft.	51,968.578	3.800	197,480.595
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.	37,748.813	6.700	252,917.044
		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.	77,140.172	9.750	752,116.672
		Plain and Reinforcement 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.	5,029.434	185.350	932,205.661
5.2	a)	Ratio 1: 2: 4 (Under Floor)	Cu.ft.	8,459.510	232.500	1,966,836.120
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.	24,145.013	276.000	6,664,023.450

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		WALLS AND PIERS				
8	CH:5 item 5-13(b) P-52	Providing & laying 1:1-5:3 in situ cement concrete in walls and piers etc, upto 12" (300 mm) in thickness using approved coarse sand & crushed aggregate 3/4" (19mm) & down gauge including compacting, curing, cost of formwork and its removal.				
	5-13(b)	Ground Floor	Cu.ft.	1,097.250	323.500	354,960.375
	5-13(b)+(f)	First Floor	Cu.ft.	713.213	379.750	270,842.447
	5-13(b)+(f)+(g)	Second Floor	Cu.ft.	494.813	432.900	214,204.331
	5-13(b)+(f)+(g)x2	Mumty Floor	Cu.ft.	201.994	486.050	98,179.062
		COLUMNS AND PILLARS				
9	CH:5 item 5-15(b) 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(b)	Ground Floor	Cu.ft.	5,591.250	359.500	2,010,054.375
	5-15(b)+(e)	First Floor	Cu.ft.	5,591.250	375.400	2,098,955.250
	5-15(b)+(e)+(f)	Second Floor	Cu.ft.	4,047.750	386.300	1,563,645.825
	5-15(b)+(e)+(f)x2	Mumty Floor	Cu.ft.	314.213	397.200	124,805.205
		BEAMS, SLABS AND LINTELS				
10	CH:5 item 5-49(a)	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in Plinth beams , of required shape or section including formwork and its removal compacting and curing.				
	5-49(a)	Ground Floor	Cu.ft.	4,006.800	296.200	1,186,814.160
11	CH:5 item 5-16(a)	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in beams, lintels and cantilevers of required shape or section including formwork and its removal compacting and curing.				
	5-16(a)	Ground Floor	Cu.ft.	9,207.450	318.350	2,931,191.708
	5-16(a)+(b)	First Floor	Cu.ft.	9,016.350	333.300	3,005,149.455
	5-16(a)+(b)+c	Second Floor	Cu.ft.	6,197.100	345.250	2,139,548.775
	5-16(a)+(b)+c	Mumty Floor	Cu.ft.	329.175	357.200	117,581.310

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Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
12	CH:5 item 17-(a)(i) P-53	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in slabs including formwork and its removal, compacting and curing. a) Upto 6" (150 mm) thickness				
	5-17-(a)(i)	Ground Floor	Cu.ft.	9,207.450	327.300	3,013,598.385
	5-17-(a) (i)+(ii)	First Floor	Cu.ft.	9,016.350	343.150	3,093,960.503
	5-17-(a)(i)+(ii) + (iii)	Second Floor	Cu.ft.	6,197.100	355.050	2,200,280.355
	5-17-(a) (i) (ii) + (iii)x2	Mumty Floor	Cu.ft.	329.175	366.950	120,790.766
12	CH:5 item 23-(e)(i)	Providing and laying 1:1.5:3 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing. Bottom slab				
	5-23 e +5-24 a	Ground Floor	Cu.ft.	-	405.250	-
	5-17-(a) (i)+(ii)	First Floor	Cu.ft.	-	405.250	-
	5-17-(a)(i)+(ii) + (iii)	Mumty Floor	Cu.ft.	577.500	405.250	234,031.875
13	CH:5 item 23-(d)	Providing and laying 1:1.5:3 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing. WALL				
	5-23 d +5-24 a	Ground Floor	Cu.ft.	-	333.700	-
	5-23 d +5-24 a	First Floor	Cu.ft.	-	333.700	-
	5-23 d +5-24 a	Mumty Floor	Cu.ft.	606.375	333.700	202,347.338
14	CH:5 item 23 f	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing. TOP slab				
	CH:5 item 23 f	Ground Floor	Cu.ft.	-	408.750	-
	CH:5 item 23 f	First Floor	Cu.ft.	-	408.750	-
	CH:5 item 23 f	Mumty Floor	Cu.ft.	577.500	408.750	236,053.125
		BALCONY, SUN SHADES, PARAPETS, EAVE BOARDS AND STAIRS				

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13	CH:5 item 5-20(a) P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in balustrade of stairs or balcony, sun breakers, sun shades, parapets and eave boards upto 3" (75 mm) of required shape or section including formwork & its removal, compacting and curing.				
	5-20(a)+24-1	Ground Floor	Cu.ft.		374.700	-
	5-20(a)+(b)	First Floor	Cu.ft.	200.000	395.250	79,050.000
	5-20 (a)+(b)+(c)	Second Floor	Cu.ft.	477.272	410.700	196,015.713
	5-20(a)+(b)+(c)x2+	Mumty Floor	Cu.ft.	797.901	426.150	340,025.639
14	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.	1,666.809	299.400	499,042.727
	5-21(a)+(b)	First Floor	Cu.ft.	459.572	312.450	143,593.232
	5-21(a)+(b)+c	Second Floor	Cu.ft.	337.247	322.250	108,677.805
		Steel Reinforcement				
15	CH:5 item 65 (a) P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work 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				
	65(a)	Ground Floor	Tonne	149.929	130,426.050	19,554,669.743
	65(a+f)	First Floor	Tonne	94.573	132,559.750	12,536,618.167
	65(a+f+g)	Second Floor	Tonne	45.288	133,839.950	6,061,283.428
	65(a+f+gx2)	Mumty Floor	Tonne	12.123	135,120.150	1,638,118.197
		Brick Masonry				
16	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)				
	(b) (iv)	Above 4.5" (115mm) thick Solid Brick Masonry	Cu.ft.	708.750	239.400	169,674.750

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17	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				
17.1	a)	4.5" (115 mm) thick Solid Brick masonry				
	11-12(iii)	Ground Floor	Cu.ft.	952.875	277.250	264,184.594
	11-12(iii)+11-26(a)	First Floor	Cu.ft.	968.625	296.350	287,052.019
	11-12(iii)+11-26(a+b)	Second Floor	Cu.ft.	643.560	308.600	198,602.544
	11-12(iii)+11-26(a+b)	Mumty Floor	Cu.ft.	-	320.850	-
17.2	b)	9" (225 mm) thick Solid Brick masonry				
	11-12(iv)	Ground Floor	Cu.ft.	15,415.313	256.050	3,947,090.766
	11-12(iv)+11-26(a)	First Floor	Cu.ft.	18,165.656	275.150	4,998,280.317
	11-12(iv)+11-26(a+b)	Second Floor	Cu.ft.	11,291.372	287.400	3,245,140.277
	11-12(iv)+11-26(a+b)	Mumty Floor	Cu.ft.	504.394	299.650	151,141.587
		Flooring				
18	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.	5,052.797	145.650	735,939.865
19	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.	8,253.788	54.350	448,593.351
20	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.	3,627.750	102.550	372,025.763
21	Ch-14 item 50-a P-124	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing.				
	50-a	Ground Floor	Sq.ft.	-	81.650	-
22	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.	2,285.483	6.450	14,741.362

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23	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.	17,295.075	158.600	2,742,998.895
	14-24- c	First Floor	Sq.ft.	14,821.341	162.000	2,401,057.181
	14-24- c+d	Second Floor	Sq.ft.	10,414.425	164.950	1,717,859.404
	14-24- c+d	Mumty Floor	Sq.ft.	27.923	167.900	4,688.345
24	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.	1,218.294	125.100	152,408.579
	55-a+c	First Floor	Sq.ft.	1,033.263	128.500	132,774.296
	55 a+c+d	Second Floor	Sq.ft.	660.342	130.950	86,471.834
	55-a+c+dx2	Mumty Floor	Sq.ft.	14.380	133.400	1,918.259
25	Ch-14-25 a	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing				
	14-25a	Ground Floor	Sq.ft.	825.300	182.250	150,410.925
	14-25 -a+c	First Floor	Sq.ft.	825.300	184.700	152,432.910
	14-25-a+c+d	Second Floor	Sq.ft.	415.800	186.150	77,401.170
26	Ch-14 64a- - 14-64 c	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.				
	64a	Ground Floor	Sq.ft.	2,227.140	144.050	320,819.517
	64-a+c	First Floor	Sq.ft.	2,227.140	146.500	326,276.010
	64-a+c+d	Second Floor	Sq.ft.	878.280	148.200	130,161.096

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25	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.	319.266	227.700	72,696.783
26	Ch-14 item 9 c 1+24a P-120	Providing and laying super white 1" thick 12"x12" marble stair step/ slab fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				
	9c-1+24a	Ground Floor	Sq.ft.	1,373.663	495.550	680,718.452
	9c-1+24a+c	First Floor	Sq.ft.	738.675	498.950	368,561.891
27	Ch-14 item 22-1 P-120	Extra for making nosing of treads as per design and/or as per instructions of the Engineer-in charge including grinding marble/marble chips and polishing etc.	Sq.ft	1,231.913	40.600	50,015.648
28	Ch-14 item 54-b 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-b	Ground Floor	Sq.ft.	2,134.125	133.600	285,119.100
29	Ch-15 item 51-a P-137	Providing and laying 3/4"(19mm) thick Granite black (local) polished slab including nosing on Kitchen and other tops of approved design over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.				
	51-a	Ground Floor	Sq.ft.	92.400	703.020	64,959.048
	51-a+46a	First Floor	Sq.ft.	92.400	773.322	71,454.953
	51-a+46a+b	Second Floor	Sq.ft.	46.200	826.049	38,163.441
		Finishing				
30	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.	17,175.375	23.400	401,903.775

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	1(b)(ii)+34a	First Floor	Sq.ft.	15,898.641	37.400	594,609.159
	1(b)(ii)+34a+35a	Second Floor	Sq.ft.	10,830.225	49.550	536,637.649
	1(b)(ii)+34a+35ax2	Mumty Floor	Sq.ft.	265.650	61.700	16,390.605
31	Ch-15 item 3 (iii)+34a+35a P-129+133	13mm (1/2") thick cement plaster 1:4 cement mortar ratio on Internal wall and coloumns including making edges cornor and curing.				
	3 (iii)	Ground Floor	Sq.ft.	46,620.000	22.950	1,069,929.000
	3 (iii)+34a	First Floor	Sq.ft.	43,680.000	36.950	1,613,976.000
	3 (iii)+34a+35a	Second Floor	Sq.ft.	26,535.469	49.100	1,302,891.516
	3(iii)+34a+35ax2	Mumty Floor	Sq.ft.	413.963	61.250	25,355.203
32	Ch-15 item 4 (iii) P-130+133	3/4 inch (19mm) thick cement plaster 1:4 cement mortar ratio using Coarse Sand on Externl walls and columns including making edges, corners and curing.				
	4 (iii)	Ground Floor	Sq.ft.	15,103.267	27.450	414,584.685
	4 (iii)+34b	First Floor	Sq.ft.	11,496.786	42.350	486,888.887
	4 (iii)+34b+35b	Second Floor	Sq.ft.	9,436.875	55.400	522,802.875
	4(iii)+34b+35bx2	Mumty Floor	Sq.ft.	5,494.125	68.450	376,072.856
2	15-58 b	Providing and Fixing Face work with brick tiles (Gutka) on interior, exterior wall with cement sand mortar 1:3 includings ties and scaffolding complete in all respects 3"x 3" x 9"	Sft	10,914.750	183.350	2,001,219.413
		Wood Work				
33	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.	39.900	1,075.650	42,918.435
	92-1+87-a	First Floor	Sq.ft.	39.900	1,183.215	47,210.279
34	Ch-16 item 11-a-ii P-142	Providing and fixing 1.5" (38mm) thick pressed veneered Teak wood door shutters fully flushed 5 Ply with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved brass hinges, tower bolts as required				
	11-a-ii	Ground Floor	Sq.ft.	1,251.600	783.200	980,253.120
	11-a-ii+87-a	First Floor	Sq.ft.	1,155.000	861.520	995,055.600
	11-a-ii+87-a+b	Second Floor	Sq.ft.	143.850	920.260	132,379.401
	11-a-ii+87-a+bx2	Mumty Floor	Sq.ft.	29.400	979.000	28,782.600

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

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 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 Engineer-in-charge				
	97-1	Ground Floor	Rft	240.450	247.300	59,463.285
	97-1+87-a	First Floor	Rft	240.450	272.030	65,409.614
	97-1+87-a+b	Second Floor	Rft	136.500	290.578	39,663.829
36	Ch-16 item 98-1+87-a P-157+155	Providing and fixing 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size. 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.				
	98-1	Ground Floor	Sq.ft.	240.450	645.250	155,150.363
	98-1+87-a	First Floor	Sq.ft.	240.450	709.775	170,665.399
	98-1+87-a+b	Second Floor	Sq.ft.	136.500	758.169	103,490.034
37	Ch-16 item 66-a+87a+b P-151+155	Providing and fixing Union lock (Local) with brass or specially supplied screws of approved design including cutting wood to requires shape and size with two operating keys as per direction of the engineer - in-charge.				
	66-a	Ground Floor	Each	53.000	763.500	40,465.500
	66-a+87-a	First Floor	Each	50.000	839.850	41,992.500
	66-a+87-a+b	Second Floor	Each	30.000	897.113	26,913.375
	66-a+87-a+bx2	Mumty Floor	Each	1.000	954.375	954.375

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

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						
38	Ch-16 item 74-b(ii)+87a+b P-152+155	Providing and fixing approved Chromium plated brass sliding bolts or aldrip 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	53.000	854.100	45,267.300
	74-b(ii)+87-a	First Floor	Each	50.000	939.510	46,975.500
	74-b(ii)+87-a+b	Second Floor	Each	20.000	1,003.568	20,071.350
	74-b(ii)+87-a+bx2	Mumty Floor	Each	1.000	1,067.625	1,067.625
39	Ch-16 item 66-f+87-a+b P-151+155	Providing and fixing Hydraulic door closer Hydraulic door closer, New star make with brass or specially supplied screws of approved design including cutting wood to required shape as per direction of the engineer in charge etc.				
	66-f	Ground Floor	Each	1.000	2,277.600	2,277.600
	66-f+87-a	First Floor	Each	-	2,505.360	-
	66-f+87-a+b	Second Floor	Each	-	2,676.180	-
		Painting and Warnishing				
40	Ch-17 item 67-1+47 a&b P-168	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats in Ceiling over and including the cost of priming coat including preparation of surface viz. dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ atleast 2.20 Litre per 10 Sq.m)				
	67-1	Ground Floor	Sq.ft.	18,034.144	16.950	305,678.737
	67-1+47-a	First Floor	Sq.ft.	16,693.573	18.645	311,251.662
	67-1+47-a+b	Second Floor	Sq.ft.	11,371.736	19.916	226,482.342
	67-1+47-a+bx2	Mumty Floor	Sq.ft.	278.933	21.188	5,909.882
41	Ch-17 item 8-1 +47 a&b P-159	Painting with ICI/Berger or equivalent plastic emulsion paint on Wall of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)				
	8-1	Ground Floor	Sq.ft.	48,951.000	31.900	1,561,536.900
	8-1+47-a	First Floor	Sq.ft.	45,864.000	35.090	1,609,367.760
	8-1+47-a+b	Second Floor	Sq.ft.	27,862.242	37.483	1,044,346.493

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

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						
	8-1+47-a+bx2	Mumty Floor	Sq.ft.	434.661	39.875	17,332.092
42	Ch-17 item 15-b + 47 a&b P-160	Supply & Applying french or spirit polish of approved make on wood work in ground floor or basement Two coats (@ atleast 1.65 Litre per 10 Sq.m)				
	15-b	Ground Floor	Sq.ft.	2,940.000	42.550	125,097.000
	15-b+47-a	First Floor	Sq.ft.	2,310.000	46.805	108,119.550
	15-b+47-a+b	Second Floor	Sq.ft.	268.800	49.996	13,438.992
	15-b+47-a+bx2	Mumty Floor	Sq.ft.	58.800	53.507	3,146.190
43	Ch-17 item 7-1+ 47 a&b P-159	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m)				
	7-1	Ground Floor	Sq.ft.	3,578.400	27.300	97,690.320
	7-1+47-a	First Floor	Sq.ft.	3,702.300	30.030	111,180.069
	7-1+47-a+b	Second Floor	Sq.ft.	1,764.000	32.078	56,584.710
	7-1+47-a+bx2	Mumty Floor	Sq.ft.	52.500	34.330	1,802.312
44	Ch-17 item 6-1 + 47 a&b P-159	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)				
	6-1	Ground Floor	Sq.ft.	79.800	28.850	2,302.230
	6-1+47-a	First Floor	Sq.ft.	79.800	31.735	2,532.453
43A	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.	10,061.835	34.980	351,962.988
	69-1+47-a	Second Floor	Sq.ft.	6,365.625	37.604	239,369.780

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

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						
		Iron, Steel and Aluminium Works				
45	Ch-28 item 40 a&b + 67-a&b P-168+274 +279	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.				
45.1	a)	4.5"-5" (113.5mm-125 mm) size				
	40-a	Ground Floor	R.ft.	420.000	264.050	110,901.000
	40-a+67-a	First Floor	R.ft.	179.550	290.455	52,151.195
45.2	b)	9"-10" (225mm-250 mm) size				
	40-b	Ground Floor	R.ft.	632.100	509.350	321,960.135
	40-b+67-a	First Floor	R.ft.	569.625	560.285	319,152.343
	40-b+67-a+b	Second Floor	R.ft.	363.825	598.486	217,744.260
	40-b+67-a+bx2	Mumty Floor	R.ft.	20.475	636.688	13,036.177
46	Ch-28+16 item 41-1+86-b(iv)+67-a&b P-274+155+279	Providing and fixing fully glazed Aluminium swing doors 2.0mm of anodized Champagne or approved color (12 microns) or any approved section including Aluminium fittings, hungs, cutting holes and making good damages to walls, including 6 mm. thick clear imported glass panes.				
	41-1+86-b(iv)	Ground Floor	Sq.ft.	147.000	1,106.850	162,706.950
	41-1+86-b(iv)+67-a	First Floor	Sq.ft.	-	1,217.535	-
	41-1+86-b(iv)+67-a+b	Second Floor	Sq.ft.	-	1,300.549	-
47	Ch-28 item 6-1 P-271	Providing and fixing double leaf steel door with frame fully panelled with M.S sheet 16 gauge (1.59mm) painted with two coats of red oxide paint with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.				
	41-1+86-b(iv)	Ground Floor	Sq.ft.	-	589.050	-
48	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.				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

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						
	28-25-1	Ground Floor	Sq.ft.	526.050	805.450	423,706.973
	25-1+67-a	First Floor	Sq.ft.	446.250	885.995	395,375.269
	25-1+67-a	Second Floor	Sq.ft.	9.450	946.404	8,943.515
49	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.	1,296.750	1,050.050	1,361,652.338
	26-a&b+67-a	First Floor	Sq.ft.	1,358.700	1,155.055	1,569,373.229
	26-a&b+67-a+b	Second Floor	Sq.ft.	863.100	1,233.809	1,064,900.332
	26-a&b+67-a+bx2	Mumty Floor	Sq.ft.	26.250	1,312.563	34,454.766
50	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.	210.000	2,005.700	421,197.000
	82-1+67-a	First Floor	R.ft.	105.000	2,206.270	231,658.350
	82-1+67-a+b	Second Floor	R.ft.	78.750	2,356.698	185,589.928
51	Ch-28 item 54-a + 67-a&b P-276+279	Providing and fixing terrace railing of 2" (50mm) internal dia steel pipe welded with square or round bars 2.75 ft high at 5" c/c and embedded in reinforced cement concrete as per design and drawing including cost of cement mortar 1:4 and two coats of paint.				
	54-a	Ground Floor	R.ft.	-	678.600	-
	54-a+67-a	First Floor	R.ft.	126.000	746.460	94,053.960
	54-a+67-a+b	Second Floor	R.ft.	99.750	797.355	79,536.161
52	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.	1,789.200	330.600	591,509.520

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

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						
	28-1+87-a	First Floor	Sq.ft.	1,851.150	363.660	673,189.209
	28-1+87-a+b	Second Floor	Sq.ft.	882.000	388.455	342,617.310
	28-1+87-a+bx2	Mumty Floor	Sq.ft.	26.250	413.250	10,847.813
51-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.	200.000	675.500	135,100.000
		Roofing & Water Proofing				
53	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+b	First Floor	Sq.ft.	5,741.400	99.500	571,269.300
	18-a+bx2	Second Floor	Sq.ft.	12,285.000	111.200	1,366,092.000
	18-a+bx3	Mumty Floor	Sq.ft.	325.500	122.900	40,003.950
54	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	First Floor	Sq.ft.	5,741.400	159.850	917,762.790
	13-5-1	Second Floor	Sq.ft.	12,285.000	159.850	1,963,757.250
	13-5-1	Mumty Floor	Sq.ft.	325.500	159.850	52,031.175
55	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+52a	First Floor	Each	8.000	743.490	5,947.920
	10-1+52a+b	Second Floor	Each	16.000	794.183	12,706.920
	10-1+52a+bx2	Mumty Floor	Each	2.000	844.875	1,689.750
56	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.				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

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						
	11-1+52a	First Floor	Each	8.000	1,286.395	10,291.160
	11-1+52a+b	Second Floor	Each	16.000	1,374.104	21,985.660
	11-1+52a+bx2	Mumty Floor	Each	2.000	1,470.583	2,941.167
57	Ch-13 item 60-b P-116	Providing and fixing P.V.C rain water down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1:2:4. b)4" (100 mm) dia.				
	11-1	Ground Floor	R.ft.	126.000	116.500	14,679.000
	11-1+52a	First Floor	R.ft.	218.400	128.150	27,987.960
	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
58	Ch-13 item 61-b P-116	Providing and fixing P.V.C. socket for rain water downpipe.				
	61-b	Ground Floor	Each	8.000	398.400	3,187.200
	161-b+52a	First Floor	Each	16.000	438.240	7,011.840
	61-b+52a+b	Second Floor	Each	16.000	468.120	7,489.920
	61-b+52a+bx2	Mumty Floor	Each	2.000	500.988	1,001.976
59	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	8.000	1,044.650	8,357.200
	62-b+52a	First Floor	Each	16.000	1,149.115	18,385.840
	62-b+52a+b	Second Floor	Each	16.000	1,227.464	19,639.420
	62-b+52a+bx2	Mumty Floor	Each	2.000	1,313.647	2,627.295
60	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	8.000	1,044.650	8,357.200
	63-b+52a	First Floor	Each	16.000	1,149.115	18,385.840
	63-b+52a+b	Second Floor	Each	16.000	1,227.464	19,639.420
	63-b+52a+bx2	Mumty Floor	Each	2.000	1,313.647	2,627.295
	Total "A"(Schedule items) C/o to Summary of Cost:					135,459,202.383

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

BILL OF QUANTITIES

CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		NON SCHEDULE ITEMS-B				
1	N.S	Providing and Fixing Chicken Wire Mesh (12" Wide) for horizontal and vertical joints of masonry and concrete with nails and screws i/c all cost of labour and material complete in all respects, as approved by The Engineer.	R.ft.	19,065.38		
		Total "B"(NonSchedule items) C/o to Summary of Cost:				

CONSTRUCTION OF ACADEMIC
BLOCK
PUBLIC HEALTH WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES - PUBLIC HEALTH WORKS

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	Schedule Items					
		Plumbing Fixtures				
1		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
2		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	17.000	13,527.000	229,959.000
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	30.000	11,775.600	353,268.000
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	5.000	417.750	2,088.750
5	23-23 b	Providing and fixing approved quality white glazed earthenware lavatory basin with 1/2" (15 mm) dia. single hole C.P. mixer tap, 2 way deluxe pillar tap, stop cocks, 6" C.I. or W.I. brackets built into walls, rubber plug, C.P. brass chain, C.P. brass waste, malleable iron or C.P. brass bottle trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material. Lavatory basin 25" x 18" (625 mm x 450 mm)				
			Each	5.000	16,575.600	82,878.000
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

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES - PUBLIC HEALTH WORKS

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
7	23-14-1/P-200	Providing and fixing approved quality C.P. brass toilet paper holder Master /Sonex or equivalent make.	Each	20.000	1,207.500	24,150.000
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	15.000	1,923.000	28,845.000
9	23-15-1/P-200	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.	Sft	210.000	137.100	28,791.000
10	23-16/P-200	Providing and fixing shelf of standard size. b) Shelf (Master/Sonex make)	Each	32.000	2,463.750	78,840.000
11	23-29/P-201	Providing and fixing soap dish a) Chromium plated	Each	32.000	915.000	29,280.000
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	20.000	3,660.000	73,200.000
		Gas Supply System				
13	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	660.450	234.750	155,040.638
14	23-66	Providing and installing Gas geyser "CANON" including fitting & fitting accessories, complete in all respect as per specifications and drawings.				
	a	35 Gallon	Nos.	2.000	13,311.000	26,622.000
	b	Gyser 50 gallons capacity	Nos.	2.000	14,760.000	29,520.000
15	23-51	Providing and fixing brass gas cock.				
	b	3/4" i.d	No.	125.000	886.200	110,775.000
		Water Supply System				
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	820.000	49.860	40,885.200
		32mm dia	Rft	615.000	55.960	34,415.400
		40mm dia	Rft	325.000	79.980	25,993.500
		50mm dia	Rft	525.000	115.220	60,490.500
		63mm dia	Rft	600.000	192.090	115,254.000
17	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	300.000	198.500	59,550.000
	b	4" (100 mm) inner dia.	Rft	861.000	116.500	100,306.500
18	13-61	Providing and fixing P.V.C. socket for rain water downpipe.				
	a	3" (75 mm) inner dia.	no	30.000	315.250	9,457.500
	b	4" (100 mm) inner dia.	no	86.100	398.400	34,302.240
19	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	30.000	1,319.000	39,570.000
	b	4" (100 mm) inner dia.	no	86.100	1,044.650	89,944.365
20	23-39	Providing and fixing superior quality gun-metal peet/gate valve flanges end (Class150) of approved make.				
	b iv	30mm	Nos.	4.000	1,173.000	4,692.000
	b v	40 mm	Nos.	9.000	1,590.000	14,310.000
	b vi	50 mm	Nos.	5.000	1,824.000	9,120.000
	b vii	65mm	Nos.	6.000	3,330.000	19,980.000

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES - PUBLIC HEALTH WORKS

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
21	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				
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	10683.105	277.750	2,967,232.544
		c) Top slab upto 6" (150 mm) thick	Per Cft	474.688	327.300	155,365.219
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	31.242	130,426.050	4,074,747.218
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	105.000	110.200	11,571.000

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES - PUBLIC HEALTH WORKS

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		<u>Sewerage System</u>				
		Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock (i) The rate includes back filling after laying of sewer, which is payable separately. (ii) The rate for close/open shuttering & timbering will be as per item No. 3-43 & 3-44 where actually used at site. A) Upto 5 ft. (1.5 m) depth				
26	3-42/P-31	ii) Ordinary soil	Cft	3268.800	2.900	9,479.520
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. a) Plain cement concrete pipe conforming to ASTM C-14 class-II or equivalent.				
		ii) 6" (150 mm) inner dia.	Rft	525.000	76.900	40,372.500
28	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	19.800	297.100	5,882.580
29	25-02/P-213	Providing and fixing gulley trap with 4" (100mm) outlet, complete with 4" (100mm) thick 1:2:4 cement concrete using 3/4" (19mm) crushed aggregate for bed and kerb, 1/2" (13mm) thick cement plaster 1:3, 12"x12"x18" deep inside dimension chamber with C.I. grating 6"x6" cover and frame 12"x12". a) Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.	Each	20.000	4,540.200	90,804.000
30	25-4/P-213	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia. Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces, channels and benching including making requisite number of main and branch channels but excluding the cost of excavation, back filling and disposal of excavated stuff.	Each	10.000	12,811.700	128,117.000

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES - PUBLIC HEALTH WORKS

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
31		Providing and fixing C.I. floor trap 4" dia. inlet and outlet with C.I. grating floor trap of approved self cleaning design with screwed down grating with or without a vent arm with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good with C.I. floor trap 6" x 4" size with grating including concrete chamber all round				
	23-9d	GROUND FLOOR	56	No	2,055.000	115,080.000
		Septic Tank				
32	3-21/P-30	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) A) Manual ii) Ordinary soil	Cft	506.445	7.050	3,570.436
33	5-2/P-49	Providing and laying plain hand mixed cement concrete using brick/Stone ballast 1-1/2" to 2" (40mm to 50mm) with approved source sand in foundation and plinth including leveling, compacting and curing. b) 1 : 4 : 8	Cft	20.891	144.150	3,011.416
34	5-22/P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing..				
		a) Foundation and floor slab	Per Cft	23.813	232.050	5,525.760
		b) Walls	Per Cft	137.130	277.750	38,087.858
		c) Top slab upto 6" (150 mm) thick	Per Cft	23.813	327.300	7,793.929
35	5-65(a)/P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height.	Tonne	0.517	130,426.050	67,471.441
36	25-15-1/P-215	Providing and fixing 22 " dia. manhole cover in 6" (150 mm) thick RCC 1:2:4 slab with 5 lbs per Cu.ft steel with tee shaped C.I. frame of 20" (500mm) clear inner dia. frame weighing 37.50 kg. including cost of fixing material.	Per Set	2.000	6,613.200	13,226.400
37	5-38/P-59	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing. b) P.V.C. ribbed water stop 6" (150 mm) wide	Rft	30.000	110.200	3,306.000
38	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:				9,837,793.613

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES - PUBLIC HEALTH WORKS

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		Non Schedule Items				
		Part-3: Sewerage System				
39	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	281		
40	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	10		
41	23-9 d	Providing and fixing 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	Nos.	5		
42	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.	10		
		4" i.d	Nos.	18		
22	NS	Providing and making Rain water collection pit internal size 24"x24" including 9" thick brick masonry (1:4), 1/2" th. Plastering (1:5) i/side, benching with PCC 1:2:4 4" th. with cement finish, including steel grating cover, complete in all respect as per specifications,drawings & Engineer in charge.	Each	1		
		PART-4: Gas Supply System				
23		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.	3.00		
16	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"(NonSchedule items) C/o to Summary of Cost:				

CONSTRUCTION OF ACADEMIC
BLOCK
ELECTRICAL WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

**BILL OF QUANTITIES - ELECTRICAL WORKS
CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01**

Sr No.	Item No.	REF. Nos CH/ITEM	Description	Unit	Qty	Rate	Amount
Government of Balochistan Composite Schedule of Rates Version 2018							
A) Schedule Items							
1			Light Circuits,				
	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	18.000	4,433.250	79,798.500
	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	37.000	3,546.600	131,224.200
2			1st Light Point Controlled By One Switch				
	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	250.000	1,877.300	469,325.000
3			Point to Point Controlled By One Switch				
	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	794.000	563.200	447,180.800
3			2 Way Light Point Controlled By One Switch				
			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	11.000	3,284.650	36,131.150
2			Exhaust Fan Points				
	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	52.000	1,877.300	97,619.600
2			Ceiling / Wall Bracket Fan Points				
	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	280.000	1,877.300	525,644.000
4			1- 13 Amps Switch Socket				
	4.1	Item 30-9	Wiring of 13 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	2850.000	101.950	290,557.500
	4.2	Item 30-10	Wiring of 5 Amps. socket outlet with 2.5 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	3955.000	69.550	275,070.250

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BILL OF QUANTITIES - ELECTRICAL WORKS

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

Sr No.	Item No.	REF. Nos CH/ITEM	Description	Unit	Qty	Rate	Amount
4			1 x 3 Pin 15 Amps Switch Socket				
	4.1	Item 30-9	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	3900.000	101.950	397,605.000
4			Floor Box				
	4.1	Item 30-9	Wiring of Floor Box with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	4600.000	101.950	468,970.000
5			Switch & Socket				
	5.1	Item 30-129	Supply and install 1-gang, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	22.000	792.600	17,437.200
	5.1	Item 30-130	Supply and install with 2 gang switch, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	28.000	931.400	26,079.200
	5.1	Item 30-131	Supply and install with 3 gang switch, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	42.000	1,017.400	42,730.800
	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.	122.000	1,103.400	134,614.800
	5.3	Item 30-133	Supply and installation of 5 Amp, 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.	No.	11.000	1,888.600	20,774.600
	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.	280.000	3,008.500	842,380.000
	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.	113.000	938.750	106,078.750
	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.	57.000	1,045.000	59,565.000
2			PVC Pipe				
		Item 30-21	Supply and installation of 3/4" (20 mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	600.000	19.700	11,820.000
		Item 30-22	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	600.000	24.650	14,790.000
		Item 30-23	Supply and installation of 1.25" (30mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	600.000	31.050	18,630.000
		Item 30-24	Supply and installation of 1.5" (40mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	600.000	39.850	23,910.000
		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			L.T. Power Cables				
	6.1	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	1000.000	109.600	109,600.000
	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	850.000	666.200	566,270.000
	6.2	Item 30-42	Supply and install 35 sq.mm, 3.5 core, PVC insulated and sheathed multicore, 600/1000V cable with copper conductor directly clipped on surface of wall, column, beam, ceiling, etc. for power wiring.	Rft	450.000	851.100	382,995.000
	6.3	Item 30-45	Supply and install 2x120 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			Circuit Protective Conductor (CPC)				

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BILL OF QUANTITIES - ELECTRICAL WORKS

CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01

Sr No.	Item No.	REF. Nos CH/ITEM	Description	Unit	Qty	Rate	Amount
	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	1300.000	109.600	142,480.000
	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	250.000	331.650	82,912.500
9			Ceiling Fans				
		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	260.000	5,577.000	1,450,020.000
9			Wall Bracket Fans				
		Item 30-114	Supply and install 20" (500 mm) sweep revolving bracket fan with guard.	Each	4.000	3,079.200	12,316.800
10			Exhaust Fans				
		Item 30-113	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.	Each	46.000	2,760.000	126,960.000
12			L.T. Switchgear				
			Distribution Board Concealed				
	12.1		DBL1-GF, DBL1-1F, DBL1-2F				
	a	Item 30-116(a)	Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet, powder coated with approved color back box comprising one incoming MCCBTP/ 60A and outgoing 9 single phase MCB of various capacity having overload & short circuit protection and of 6 KA braking capacity complete with internal wiring earthing, neutral link, termination blocks, phase indicating lights alongwith 500V voltmeter.	Each	3.000	28,090.200	84,270.600
	b	Item 30-116(b)	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)	Each	63.000	2,748.000	173,124.000
	12.2		DBLP-1G				
	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	3.000	25,356.000	76,068.000
	b	Item 30-116(b)	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)	Each	80.000	2,748.000	219,840.000
13			Earthing System				
	13.1	Item 30-91	Supply and install pair of earth electrode each comprising 24"x12" (600mmx3mm) 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	3.000	60,471.150	181,413.450
	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	3.000	7,948.950	23,846.850
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	5.000	7,521.550	37,607.750
15			Fire Alarm System				
	15.1	Item 30-126(a)	Fire resistance insulated 2-core, 1.5mm ² cable in PVC Conduits in 25 mm ² conduit	R.M	1350.000	268.350	362,272.500
	15.2	Item 30-126(b)	Addressable break glass manual call stations (Copper Menvier UK, Honey well,Gent or approved equivalent).	Each	10.000	4,482.950	44,829.500
	15.3	Item 30-126(c)	Addressable sounder and accessories (Copper Menvier UK, Honey well,Gent or approved equivalent).	Each	10.000	7,362.950	73,629.500
	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	72.000	3,769.750	271,422.000
	15.5	Item 30-126(e)	Addressable Heat Detectors as approved by the engineer (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	2.000	3,769.750	7,539.500
	15.6	Item 30-126(f)	Addressable Fire Alarm Control Panel as per project specified requirements (2 Loop) including backup battery, complete with all installation accessories, testing and commissioning (Copper Menvier UK, Honey well, Gent or approved equivalent).	Job	1.000	198,842.500	198,842.500
16			CCTV System				

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Sr No.	Item. No.	REF. Nos CH/ITEM	Description	Unit	Qty	Rate	Amount
	16.1	Item 31-4(a)	Supply and Install, connect, test and commission of CCTV cameras (Chinese) complete with power cord, interconnecting cables and mounting brackets & accessories. Indoor/Outdoor IP based static Camera with Full HD, 30-60 fps, 6 - 8 viewing profile, inbuilt IR, SD card supported, PoE.	Each	6.000	68,697.000	412,182.000
	16.2	Item 31-5(b)	Network Video Recorder (NVR): 16 channel, >320 Mbps with 2x3TB storage/HDD, complete with all cables and allied mounting brackets & accessories.	Each	1.000	499,800.000	499,800.000
	16.3	Item 31-7	Supply & Installation of 24 port Layer-2 manageable PoE enabled switch with 4U Rack & patch panel.	Each	1.000	127,500.000	127,500.000
			Total "A"(Schedule Items) C/o to Summary of Cost:				10,673,128.800
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 17 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	778		
	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.	281		
	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.	22		
	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.	20		
	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.	16		
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.	57		
	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.	92		
3			Earthing System				
	3.1		Earth Connecting Point				
		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			Telephone System				
	2.1		Telephone Outlet				
		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	27		
	2.2		Telephone Cables				
			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	4-5 Pair Cable CAT-6/UG/PVC (0.6 mm sq) (From DP to each Room)	Rft	4920		
	2.2		Telephone Exchange				
		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			Computer System				
	3.1		Computer Outlet				

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Sr No.	Item No.	REF. Nos CH/ITEM	Description	Unit	Qty	Rate	Amount
		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	42		
	3.2		Computer Cables				
			Wiring for each data/computer point included cost of 1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed manufactured by Krone, 3M, Clipsal to support data rates upto1GBits/s. or more than 1 GBits/s with connections at both ends, designation labels				
	a	Appendix 'c' Page No- 3	1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed.	Rft	5904		
4	4.1		CCTV System				
			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	900		
7			L.T. Switchgear				
			MAIN PANEL BOARD				
			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.				
		Appendix 'c' Page No- 7	MPB (Main Panel Board- WAPDA) 02 No. Incoming 400 Amp MCCB TP, RC=35 kA (Elect. & Mech. Interlocking). 10 No. Outgoing 100/60/75 Amp MCCB TP, RC=16 kA a) 6 No Digital ammeter b) 6 No Digital voltmeter d) 6 No indication lights 220 Volt e) 6 Nos. Current Transformer 400/5A f) 400 Amp. 3 Ph N & Earth copper busboards g) Power Wiring. h) Panel steel grid painted along with locking arrangement	No.	1		
			Total "B"(Non Schedule items) C/o to Summary of Cost:				



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CIVIL WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3 item 54(1) P-34	Clearing the Site / jungle by cutting removing ,all shrubs ,trees and taking out entire roots and filling the hollows with earth dressing consolidation and watering the filling including stacking the serviceable material and disposal of unserviceable material lead up to 300 meters.	Sq.ft.	16,186.800	3.900	63,128.520
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.	19,212.947	10.250	196,932.709
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.	12,808.632	3.800	48,672.800
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.	29,750.907	6.700	199,331.079
		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.	49,458.717	9.750	482,222.491
		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.	1,626.319	185.350	301,438.180
5.2	a)	Ratio 1: 2: 4 (Under Floor)	Cu.ft.	1,853.077	232.500	430,840.350
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.	3,511.200	276.000	969,091.200
		O.H Water Tank Wall				
8	CH:5 item 5-23(a) P-52	Providing and laying 1:1.5: 3 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing.				
	5-23 d	Ground Floor	Cu.ft.	-		-
	5-23 d	First Floor	Cu.ft.	-		-
	5-23 d+5-24 a	Mumty Floor	Cu.ft.	387.450	333.700	129,292.065

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Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		COLUMNS AND PILLARS				
9	CH:5 item 5-15(a) P-53	Providing and laying 1:1-5:3 in situ cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in super structure including compacting, curing, cost of form-work & its removal				
	5-15(a)	Ground Floor	Cu.ft.	2,601.375	359.500	935,194.313
	5-15(a)+(e)	First Floor	Cu.ft.	-	375.400	-
	5-15(a)+(e)+(f)	Mumty Floor	Cu.ft.	-	386.300	-
		BEAMS, SLABS AND LINTELS				
10	CH:5 item 5-16(a)	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in beams, lintels and cantilevers of required shape or section including formwork and its removal compacting and curing.				
	5-16(a)	Ground Floor	Cu.ft.	4,745.552	318.350	1,510,746.501
	5-16(a)+(b)	First Floor	Cu.ft.	2.953	333.300	984.277
	5-16(a)+(b)+c	Mumty Floor	Cu.ft.	-	345.250	-
11	CH:5 item 17-(a)(i) P-53	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in slabs including formwork and its removal, compacting and curing. a) Upto 6" (150 mm) thickness				
	5-17-(a)(i)	Ground Floor	Cu.ft.	4,562.775	327.300	1,493,396.258
	5-17-(a) (i)+(ii)	First Floor	Cu.ft.	-	343.150	-
	5-17-(a)(i)+(ii) + (iii)	Mumty Floor	Cu.ft.	-	355.050	-
12	CH:5 item 23-(e)(i)	Providing and laying 1:1.5:3 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing. Bottom slab				
	5-23 e +5-24 a	Ground Floor	Cu.ft.	-	405.250	-
	5-17-(a) (i)+(ii)	First Floor	Cu.ft.	-	405.250	-
	5-17-(a)(i)+(ii) + (iii)	Mumty Floor	Cu.ft.	187.425	405.250	75,953.981
13	CH:5 item 23 f	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in overhead water tanks and silos at a height of 10m (32.8') above ground level including formwork and its removal, compacting and curing.TOP slab				
	CH:5 item 23 f	Ground Floor	Cu.ft.	-	408.750	-

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	CH:5 item 23 f	First Floor	Cu.ft.	-	408.750	-
	CH:5 item 23 f	Mumty Floor	Cu.ft.	196.875	408.750	80,472.656
		BALCONY, SUN SHADES, PARAPETS, EAVE BOARDS AND STAIRS				
12	CH:5 item 5-20(a) P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in balustrade of stairs or balcony, sun breakers, sun shades, parapets and eave boards upto 3" (75 mm) of required shape or section including formwork & its removal, compacting and curing.				
	5-20(a)+(b)	First Floor	Cu.ft.	874.125	374.700	327,534.638
	5-20(a)+(b)+(c)	Mumty Floor	Cu.ft.	330.070	390.150	128,776.654
13	CH:5 item 5-21(a)P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in stairs of any shape or section including formwork & its removal, compacting and curing.				
	5-21(a)	Ground Floor	Cu.ft.	146.344	299.400	43,815.319
	5-21(a)+(b)	First Floor	Cu.ft.	-	312.450	-
		Steel Reinforcement				
14	CH:5 item 65 P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening ,removal of rust, cutting, bending, binding, wastage and providingsuch over-laps as are not shown on the drawings. The cost of bindingwire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m)height				
	(a)	Ground Floor	Tonne	60.212	130,426.050	7,853,172.462
	(a+f)	First Floor	Tonne	0.023	132,559.750	2,983.155
	(a+f+g)	Mumty Floor	Tonne	4.854	133,839.950	649,619.136
		Block Masonry				
15	CH:11 item 12 P-86 & 87	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing (iii).Cement sand mortar 1 : 4				
15.1	a)	4.5" (115 mm) thick Solid Brick masonry				
	11-12(iii)	Ground Floor	Cu.ft.	888.300	277.250	246,281.175
	11-12(iii)+11-26(a)	First Floor	Cu.ft.	-	296.350	-
15.2	b)(iv)	9" (225 mm) thick (1:5) Solid Brick masonry				
	11-12(iii)+11-26(a)	Ground Floor	Cu.ft.	12,336.569	256.050	3,158,778.403

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	11-12(iii)+11-26(a)	First Floor	Cu.ft.	561.094	275.150	154,384.945
		Flooring				
16	Ch-14 item 1(b) P-118	Providing and laying hand mixed 1 : 4 : 8 cement concrete bed under floors using graded Crushed Aggregate upto 1-1/2" (37 mm) and down gauge complete with leveling, ramming, watering and curing.	Cu.ft.	2,625.363	145.650	382,384.107
17	Ch-14 item 44-1 P-123	Providing, laying, watering and compacting brick ballast 2" (50 mm) and down gauge mixed with 25% sand for floor foundation.	Cu.ft.	2,696.238	54.350	146,540.530
18	Ch-14 item 4-d+6d+e P-119	Providing and laying terrazzo/mosaic floor 3/4" (19mm) thick terrazzo topping 1:2 (one cement & 2 marble chips) over 1" (25mm) thick base of 1:2:4 cement concrete using crushed aggregate 3/4" (19mm) and down grade laid in panels or approved pattern including formwork, curing, cutting, removing and polishing.				
	4-d	Ground Floor	Sq.ft.	2,062.200	102.550	211,478.610
19	Ch-14 item 50-a P-124	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing.				
	50-a	Ground Floor	Sq.ft.	59.850	81.650	4,886.753
20	Ch-14 item 43-1 P-123	Providing glass strips 1/4" (5 mm) thick and 1-1/2" (37.5 mm) wide for dividing the terrazzo/mosaic flooring into panels. The cost of fixing is deemed to have been taken in composite rate of respective item.				
			R.ft.	1,299.186	6.450	8,379.750
21	Ch-14-9 - 14-11 B	Providing and laying 3/4" (19 mm) thick floor 12"x12" Badal marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				
	14-9-14-11 b	Ground Floor	Sq.ft.	7,122.486	158.600	1,129,626.280
		First Floor	Sq.ft.	-	162.000	-
22	Ch-14 54a- - 14-54 c	Providing and fixing 3/8" (9mm) thick Badal marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, grinding, cleaning & polishing.				
	54 c	Ground Floor	Sq.ft.	731.269	125.100	91,481.776
	55-a+c	First Floor	Sq.ft.	-	128.500	-

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23	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.	490.481	182.250	89,390.208
24	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.	490.481	144.050	70,653.824
25	Ch-14 item 9-b+11-b P-120	Providing and laying 3/4" (19 mm) thick marble tiles floor Lasbella 12"x12" marble tiles floor fine dressed on surface without winding and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.				
	9-b+11-b	Ground Floor	Sq.ft.	225.750	227.700	51,403.275
26	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.	546.000	500.900	273,491.400
	16-1+24a+c	First Floor	Sq.ft.	-	504.300	-
27	Ch-14 item 22-1 P-120	Extra for making nosing of treads as per design and/or as per instructions of the Engineer-in charge including grinding marble/marble chips and polishing etc.	R.ft.	231.000	40.600	9,378.600
28	Ch-14 item 54-a P-124	Providing and fixing 3/8" (9mm) thick Lasbela marble tiles dressed on the surface in dado/skirting and facing over 1/2" (13mm) thick base of cement sand mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, grinding, cleaning & polishing.				
	54-a	Ground Floor	Sq.ft.	330.750	133.600	44,188.200

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Government of Balochistan Composite Schedule of Rates Version 2018						
29	Ch-15 item 51-a P-137	Providing and laying 3/4"(19mm) thick Granite black (local) polished slab including nosing on Kitchen and other tops of approved design over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.				
	51-a	Ground Floor	Sq.ft.	67.200	703.020	47,242.944
	51-a+46a	First Floor	Sq.ft.	-	773.322	-
		Finishing				
30	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.	7,537.695	23.400	176,382.072
	1(b)(ii)+34a	First Floor	Sq.ft.	-	37.400	-
	1(b)(ii)+34a+35a	Mumty Floor	Sq.ft.	174.825	49.550	8,662.579
31	Ch-15 item 3 (iii)+34a+35a P-129+133	13mm (1/2") thick cement plaster 1:4 cement mortar ratio on Internal wall and columns in basement plinth and ground floor including making edges corner and curing.				
	3 (iii)	Ground Floor	Sq.ft.	27,952.407	22.950	641,507.741
	3 (iii)+34a	First Floor	Sq.ft.	-	36.950	-
	3 (iii)+34a+35a	Mumty Floor	Sq.ft.	548.625	49.100	26,937.488
32	Ch-15 item 4 (iii) P-130+133	3/4 inch (19mm) thick cement plaster 1:4 cement mortar ratio using Coarse Sand on External walls and columns in basement, plinth and ground floor including making edges, corners and curing.				
	4 (iii)	Ground Floor	Sq.ft.	4,277.070	27.450	117,405.572
	4 (iii)+34b	First Floor	Sq.ft.	-	42.350	-
	4 (iii)+34b+35b	Mumty Floor	Sq.ft.	3,603.600	55.400	199,639.440
33	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	9,460.500	183.350	1,734,582.675
		Wood Work				
34	Ch-16 item 30-1 P-146	Providing and fixing wooden partition fully flushed with hard board 5/16" (8mm) thick on one face fixed on First class deodar wood frame 3"x1.25" (75mmx32mm) at spacing not exceeding 24" (600mm) horizontal and 18" (450mm) vertical including necessary wooden beading as required.				
	30-1	Ground Floor	Sq.ft.	-	397.350	-

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01

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 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+87-a	First Floor	Sq.ft.	67.200	1,183.215	79,512.048
36	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.	1,161.300	783.200	909,530.160
	11-a-ii+87-a	First Floor	Sq.ft.	-	861.520	-
	11-a-ii+87-a+b	Mumty Floor	Sq.ft.	29.400	920.260	27,055.644
37	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 Engineer-in-charge				
	97-1	Ground Floor	Rft	120.225	247.300	29,731.643
	97-1+87-a	First Floor	Rft	-	272.030	-
38	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.	120.225	645.250	77,575.181
	98-1+87-a	First Floor	Sq.ft.	-	709.775	-

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Government of Balochistan Composite Schedule of Rates Version 2018						
39	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	37.000	763.500	28,249.500
	66-a+87-a	First Floor	Each	-	839.850	-
	66-a+87-a+b	Mumty Floor	Each	1.000	897.113	897.113
40	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	37.000	854.100	31,601.700
	74-b(ii)+87-a	First Floor	Sq.ft.	-	939.510	-
	74-b(ii)+87-a+b	Mumty Floor	Sq.ft.	1.000	924.563	924.563
41	Ch-16 item 66-f P-151	Providing and fixing Hydraulic door closer Hydraulic door closer, New star make with brass or specially supplied screws of approved design including cutting wood to required shape as per direction of the engineer in charge etc.				
	66-f	Ground Floor	Each	2.000	2,277.600	4,555.200

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Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
		Painting and Warnishing				
42	Ch-17 item 67-1+47 a&b P-168	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats in Ceiling over and including the cost of priming coat including preparation of surface viz. dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ atleast 2.20 Litre per 10 Sq.m)				
	67-1	Ground Floor	Sq.ft.	10,378.200	16.950	175,910.490
	67-1+47-a	First Floor	Sq.ft.	-	18.645	-
	67-1+47-a+b	Mumty Floor	Sq.ft.	183.566	19.916	3,655.951
43	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.	29,350.027	31.900	936,265.872
	8-1+47-a	First Floor	Sq.ft.	-	35.090	-
	8-1+47-a+b	Mumty Floor	Sq.ft.	576.056	37.483	21,592.028
44	Ch-17 item 15-b + 47 a&b P-160	Supply & Applying french or spirit polish of approved make on wood work in ground floor or basement Two coats (@ atleast 1.65 Litre per 10 Sq.m)				
	15-b	Ground Floor	Sq.ft.	2,322.600	42.550	98,826.630
	15-b+47-a	First Floor	Sq.ft.	-	46.805	-
	15-b+47-a+b	Mumty Floor	Sq.ft.	50.400	49.996	2,519.811
45	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.	1,733.550	27.300	47,325.915
	7-1+47-a	First Floor	Sq.ft.	-	30.030	-
	7-1+47-a+b	Mumty Floor	Sq.ft.	-	32.078	-
46	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)				

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Government of Balochistan Composite Schedule of Rates Version 2018						
	6-1	Ground Floor	Sq.ft.	134.400	28.850	3,877.440
43A	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.	8,274.704	31.800	263,135.571
		Iron, Steel and Aluminium Works				
47	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.	120.225	264.050	31,745.411
	40-a+67-a	Mumty Floor	R.ft.	-	290.455	-
	b)	8"-10" (200mm-250 mm) size				
	40-b	Ground Floor	R.ft.	766.763	509.350	390,550.479
	40-b+67-a	First Floor	R.ft.	-	560.285	-
	40-b+67-a+b	Mumty Floor	R.ft.	18.375	598.486	10,997.185
48	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.	96.600	1,106.850	106,921.710
49	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.	80.325	805.450	64,697.771
	25-1+67-a	First Floor	Sq.ft.	-	885.995	-

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Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
50	Ch-28 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.	786.450	1,050.050	825,811.823
	26-a&b+67-a	First Floor	Sq.ft.	-	1,155.055	-
	26-a&b+67-a+b	Mumty Floor	Sq.ft.	-	1,233.809	-
51	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.	84.000	2,005.700	168,478.800
	82-1+67-a	First Floor	R.ft.	-	2,206.270	-
52	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.	866.775	330.600	286,555.815
	28-1+87-a	First Floor	Sq.ft.	-	363.660	-
	28-1+87-a+b	Mumty Floor	Sq.ft.	-	388.455	-
		Roofing & Water Proofing				
53	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.	-	87.800	-
	18-a+b	First Floor	Sq.ft.	9,100.350	99.500	905,484.825
	18-a+b+b	Mumty Floor	Sq.ft.	210.000	111.200	23,352.000

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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	Ch-13 item 13-5-1 P-110	Providing and laying roof insulation comprising single layer of first class burnt brick tile 9"x 4.5"x 1.5" laid with 1:6 cement sand mortar and grouted with 1:3 cement sand mortar laid over 4inches (100mm) thick earth and 1inch (25mm) thick mud plaster without bhoosa over two coats of hot bitumen @ 34 lbs. per 100 Sq.ft.(1.65 Kg/Sq.m) sand blended covered with polythene sheet 300 gauge including curing etc. complete in all respect.				
	13-5-1	Ground Floor	Sq.ft.	-	159.850	-
	13-5-1	First Floor	Sq.ft.	9,100.350	159.850	1,454,690.948
	13-5-1	Mumty Floor	Sq.ft.	-	159.850	-
55	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	4.000	743.490	2,973.960
	10-1+52a+b	Mumty Floor	Each	2.000	794.183	1,588.365
56	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	4.000	1,286.395	5,145.580
	11-1+52a+b	Mumty Floor	Each	4.000	1,374.104	5,496.415
57	Ch-13 item 60-b P-116	Providing and fixing P.V.C rain water down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1:2:4. b)4" (100 mm) dia.				
	11-1	Ground Floor	R.ft.	126.000	116.500	14,679.000
	11-1+52a	First Floor	R.ft.	109.200	128.150	13,993.980
	11-1+52a+b	Mumty Floor	R.ft.	2.000	136.888	273.775
58	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	Mumty Floor	Each	4.000	468.120	1,872.480
59	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

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Government of Balochistan Composite Schedule of Rates Version 2018						
	62-b+52a+b	Mumty Floor	Each	8.000	1,227.464	9,819.710
60	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	Mumty Floor	Each	4.000	1,227.464	4,909.855
	21-90-1	Supply and Fixing of Concrete pavers on sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer incharge complete in all respects. (No PCC work is permitted underneath this item of work).	Sq.ft.	1,450.000	92.550	134,197.500
	Total "A"(Schedule items) C/o to Summary of Cost:					32,170,791.417
		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	2,394.00		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				

CONSTRUCTION OF ADMIN BLOCK
PUBLIC HEALTH WORKS

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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 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	2.000	7,295.400	14,590.800
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	4.000	11,775.600	47,102.400
4	23-5/P-199	d) Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.				
		i) White	Each	1.000	417.750	417.750
5	23-23 b	Providing and fixing approved quality white glazed earthenware lavatory basin with 1/2" (15 mm) dia. single hole C.P. mixer tap, 2 way deluxe pillar tap, stop cocks, 6" C.I. or W.I. brackets built into walls, rubber plug, C.P. brass chain, C.P. brass waste, malleable iron or C.P. brass bottle trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material. Lavatory basin 25" x 18" (625 mm x 450 mm)				
			Each	2.000	16,575.600	33,151.200

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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	1.000	8,610.000	8,610.000
7	23-14-1/P-200	Providing and fixing approved quality C.P. brass toilet paper holder Master /Sonex or equivalent make.	Each	4.000	1,207.500	4,830.000
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	4.000	1,923.000	7,692.000
9	23-15-1/P-200	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.	Sft	46.000	137.100	6,306.600
10	23-16/P-200	Providing and fixing shelf of standard size. b) Shelf (Master/Sonex make)	Each	5.000	2,463.750	12,318.750
11	23-29/P-201	Providing and fixing soap dish a) Chromium plated	Each	5.000	915.000	4,575.000
		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	265.100	234.750	62,232.225
13	23-66	Providing and installing Gas geyser "CANON" including fitting & fitting accessories, complete in all respect as per specifications and drawings.				
	a	35 Gallon	Nos.	2.000	13,311.000	26,622.000
14	23-51	Providing and fixing brass gas cock.				
	b	3/4" i.d	No.	33.000	886.200	29,244.600
		Water Supply System				
15	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	800.000	168.000	134,400.000
		32mm dia	Rft	600.000	264.000	158,400.000
		40mm dia	Rft	500.000	379.000	189,500.000
		50mm dia	Rft	300.000	578.000	173,400.000
		63mm dia	Rft	270.250	890.000	240,522.500
16	23-70-1	Providing and fixing Sonex/Master WC CR Shower including Connecting Flexible Pipe and bib cok including making requisite numbers of holes and making good with approved material.	Each	8.000	3,660.000	29,280.000
17	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	350.000	198.500	69,475.000
	b	4" (100 mm) inner dia.	Rft	250.000	116.500	29,125.000
18	13-61	Providing and fixing P.V.C. socket for rain water downpipe.				
	a	3" (75 mm) inner dia.	no	35.000	315.250	11,033.750
	b	4" (100 mm) inner dia.	no	25.000	398.400	9,960.000

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19	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	95.000	1,319.000	125,305.000
	b	4" (100 mm) inner dia.	no	45.000	1,044.650	47,009.250
20	23-39	Providing and fixing superior quality gun-metal peet/gate valve flanges end (Class150) of approved make.				
	b iv	30mm	Nos.	2.000	1,173.000	2,346.000
	b v	40 mm	Nos.	2.000	1,590.000	3,180.000
	b vi	50 mm	Nos.	4.000	1,824.000	7,296.000
	b vii	65mm		5.000	3,330.000	16,650.000
21	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
		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	226.875	277.750	63,014.531
		c) Top slab upto 6" (150 mm) thick	Per Cft	182.750	327.300	59,814.075
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	1.147	130,426.050	149,592.158
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	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				
26	3-42/P-31	ii) Ordinary soil	Cft	1507.500	2.900	4,371.750

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01

PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
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. a) Plain cement concrete pipe conforming to ASTM C-14 class-II or equivalent.				
		ii) 6" (150 mm) inner dia.	Rft	236.250	76.900	18,167.625
28	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	15.000	297.100	4,456.500
29	25-02/P-213	Providing and fixing gulley trap with 4" (100mm) outlet, complete with 4" (100mm) thick 1:2:4 cement concrete using 3/4" (19mm) crushed aggregate for bed and kerb, 1/2" (13mm) thick cement plaster 1:3, 12"x12"x18" deep inside dimension chamber with C.I. grating 6"x6" cover and frame 12"x12". a) Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.				
			Each	2.000	4,540.200	9,080.400

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

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CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01

PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
30	25-4/P-213	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia. Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces, channels and benching including making requisite number of main and branch channels but excluding the cost of excavation, back filling and disposal of excavated stuff.	Each	4.000	12,811.700	51,246.800
31		Providing and fixing C.I. floor trap 4" dia. inlet and outlet with C.I. grating floor trap of approved self cleaning design with screwed down grating with or without a vent arm with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good with C.I. floor trap 6" x 4" size with grating including concrete chamber all round				
	23-9d	GROUND FLOOR	56	12.000	2,055.000	24,660.000
		Septic Tank				
32	3-21/P-30	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) A) Manual ii) Ordinary soil	Cft	506.445	7.050	3,570.436
33	5-2/P-49	Providing and laying plain hand mixed cement concrete using brick/Stone ballast 1-1/2" to 2" (40mm to 50mm) with approved source sand in foundation and plinth including leveling, compacting and curing. b) 1 : 4 : 8	Cft	20.891	144.150	3,011.416
34	5-22/P-55	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing..				
		a) Foundation and floor slab	Per Cft	23.813	232.050	5,525.760
		b) Walls	Per Cft	137.130	277.750	38,087.858
		c) Top slab upto 6" (150 mm) thick	Per Cft	23.813	327.300	7,793.929
35	5-65(a)/P-63	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height.	Tonne	0.517	130,426.050	67,471.441

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

BILL OF QUANTITIES

CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01

PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
36	25-15-1/P-215	Providing and fixing 22 " dia. manhole cover in 6" (150 mm) thick RCC 1:2:4 slab with 5 lbs per Cu.ft steel with tee shaped C.I. frame of 20" (500mm) clear inner dia. frame weighing 37.50 kg. including cost of fixing material.	Per Set	2.000	6,613.200	13,226.400
37	5-38/P-59	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing. b) P.V.C. ribbed water stop 6" (150 mm) wide	Rft	30.000	110.200	3,306.000
38	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:					2,115,412.004

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

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CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01

PUBLIC HEALTH WORKS

Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		<u>Non Schedule Items</u>				
		<u>Part-3: Sewerage System</u>				
39	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	55		
40	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	2		
41	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.	1		
42	NS	Providing and making Rain water collection pit internal size 24"x24" including 9" thick brick masonry (1:4), 1/2" th. Plastering (1:5) i/side, benching with PCC 1:2:4 4" th. with cement finish, including steel grating cover, complete in all respect as per specifications,drawings & Engineer in charge.	Each	2		
		<u>PART-4: Gas Supply System</u>				
43		Providing and installing ball valves of following nominal dia, Kitz make, including jointing, fitting, painting, testing, complete in all respects to match with following G.I pipe diameters.				
	NS	3/4" i.d	No.	2.00		
43	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 ADMIN BLOCK ELECTRICAL WORKS

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01
ELECTRICAL WORKS
BILL OF QUANTITIES

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Government of Balochistan Composite Schedule of Rates Version 2018						
A) Schedule Items						
1		<u>Light Circuits.</u>				
	1.1	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.				
		Item 30-1 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	6.000	4,433.250	26,599.500
	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	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	62.000	1,877.300	116,392.600
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	125.000	563.200	70,400.000
3		<u>2 Way Light Point Controlled By One Switch</u>				
		Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from switches to point is upto 40 ft. (12.5 m) with 3x1.5Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables				
		Item 30-6 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	1.000	3,284.650	3,284.650
2		<u>Exhaust Fan Points</u>				
	2.1	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,				
		Item 30-3 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	6.000	1,877.300	11,263.800
2		<u>Ceiling Fan Points</u>				
	2.1	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables,				
		Item 30-3 (a) Concealed wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Point	42.000	1,877.300	78,846.600
4		<u>1- 13 Amps Switch Socket</u>				
	4.1	Item 30-9 Wiring of 13 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	1800.000	101.950	183,510.000
	4.2	Item 30-10 Wiring of 5 Amps. socket outlet with 2.5 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	2240.000	69.550	155,792.000
4		<u>1 x 3 Pin 15 Amps Switch Socket</u>				
	4.1	Item 30-9 Wiring of 15 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	Rft	650.000	101.950	66,267.500
5		<u>Switch & Socket</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01
ELECTRICAL WORKS
BILL OF QUANTITIES

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
5.1	Item 30-129	Supply and install 1-gang, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	8.000	792.600	6,340.800
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.	8.000	931.400	7,451.200
5.1	Item 30-131	Supply and install with 3 gang switch, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	20.000	1,017.400	20,348.000
5.1	Item 30-132	Supply and install with 4 up to 6 gang switch, 5 Amp, 250 Volt., plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	No.	42.000	1,103.400	46,342.800
5.3	Item 30-133	Supply and installation of 5 Amp, 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.	No.	1.000	1,888.600	1,888.600
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.	168.000	3,008.500	505,428.000
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.	64.000	938.750	60,080.000
5.5	Item 30-20	Supply and install combined 3 pin 15 Amps. switch socket unit including plastic box to be fixed recessed in wall.	No.	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	500.000	19.700	9,850.000
	Item 30-22	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	500.000	24.650	12,325.000
	Item 30-23	Supply and installation of 1.25" (30mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	500.000	31.050	15,525.000
	Item 30-24	Supply and installation of 1.5" (40mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	500.000	39.850	19,925.000
	Item 30-25	Supply and installation of 2" (50mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.	Rft	400.000	54.100	21,640.000
6		<u>L.T. Power Cables</u>				
6.1	Item 30-36	Supply and install 16 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	350.000	109.600	38,360.000
6.2	Item 30-42	Supply and install 35 sq.mm, 3.5 core, PVC insulated and sheathed multicore, 600/1000V cable with copper conductor directly clipped on surface of wall, column, beam, ceiling, etc. for power wiring.	Rft	150.000	851.100	127,665.000
6.3	Item 30-45	Supply and install 120 sq.mm, 3.5 core, PVC insulated and sheathed multicore, 600/1000V cable with copper conductor directly clipped on surface of wall, column, beam, ceiling, etc. for power wiring.	Rft	200.000	2,202.000	440,400.000
7		<u>Circuit Protective Conductor (CPC)</u>				
7.1	Item 30-35	Supply and install 10 sq.mm cable. PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.	Rft	60.000	70.700	4,242.000
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	42.000	5,577.000	234,234.000
10		<u>Exhaust Fans</u>				
	Item 30-113	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.	Each	6.000	2,760.000	16,560.000
12		<u>L.T. Switchgear</u>				
		<u>Distribution Board Concealed</u>				
12.1		<u>DBLP-1B</u>				
12.2		<u>DBLP-1G</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN
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Item. No.		REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	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	3.000	25,356.000	76,068.000
	b	Item 30-116(b)	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)	Each	51.000	2,748.000	140,148.000
13			<u>Earthing System</u>				
	13.1	Item 30-91	Supply and install pair of earth electrode each comprising 24"x12" (600mmx 3mm) thick copper plate buried 13 ft. (4m) deep underground in upright position in a pit and surrounded by mixture of salt and charcoal (1:3), 12" (300mm) min dia around the plate. The job also includes providing and fixing all accessories such as nuts, bolts, washers, 2x3/0 SWG (2x70mm) copper conductor earthing, lead.	Job	4.000	60,471.150	241,884.600
	13.2	Item 30-97	Construction of 20" x 20" (500mm x 500 mm) square inspection chamber for earth electrodes including medium duty C.I. cover and all associated civil works.	Job	4.000	7,948.950	31,795.800
14			<u>Telephone System</u>				
	14.1	Item 30-100	Supply and install recessed type telephone distribution box suitable for 30 pair including appropriate size 16 SWG sheet steel box with hinged, latched and lockable cover.	Job	1.000	7,521.550	7,521.550
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	900.000	268.350	241,515.000
	15.2	Item 30-126(b)	Addressable break glass manual call stations (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	4.000	4,482.950	17,931.800
	15.3	Item 30-126(c)	Addressable sounder and accessories (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	4.000	7,362.950	29,451.800
	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	50.000	3,769.750	188,487.500
	15.5	Item 30-126(e)	Addressable Heat Detectors as approved by the engineer (Copper Menvier UK, Honey well, Gent or approved equivalent).	Each	1.000	3,769.750	3,769.750
	15.6	Item 30-126(f)	Addressable Fire Alarm Control Panel as per project specified requirements (2 Loop) including backup battery, complete with all installation accessories, testing and commissioning (Copper Menvier UK, Honey well, Gent or approved equivalent).	Job	1.000	198,842.500	198,842.500
16			<u>CCTV System</u>				
	16.1	Item 31-4(a)	Supply and Install, connect, test and commission of CCTV cameras (Chinese) complete with power cord, interconnecting cables and mounting brackets & accessories. Indoor/Outdoor IP based static Camera with Full HD, 30-60 fps, 6 - 8 viewing profile, inbuilt IR, SD card supported, PoE.	Each	5.000	68,697.000	343,485.000
	16.2	Item 31-5(b)	Network Video Recorder (NVR): 16 channel, >320 Mbps with 2x3TB storage/HDD, complete with all cables and allied mounting brackets & accessories.	Each	1.000	499,800.000	499,800.000
	16.3	Item 31-7	Supply & Installation of 24 port Layer-2 manageable PoE enabled switch with 4U Rack & patch panel.	Each	1.000	127,500.000	127,500.000
			Total "A"(Schedule items) C/o to Summary of Cost:				4,603,921.150
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.	113		
	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.	58		
	1.3	Appendix ' c' Page No-11	Supply and installation of Make Philips, Sunlight, lumilux Surface mounted down light fixture with 10 watt SMD Downlighter, complete with all necessary materials / accessories, complete in all respects.	Nos.	10		
	1.4	Appendix ' c' Page No-12	Supply and installation of Make Philips, Sunlight, lumilux LED Venty Light 07 Watt, complete with all necessary materials / accessories, complete in all respects.	Nos.	6		

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Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1.5	Appendix ' c' Page No-13	Supply and installation of Make Philips, Sunlight, lumilux LED Outdoor Wall Light 14 Watt, complete with all necessary materials / accessories, complete in all respects.	Nos.	12		
2		<u>Switch & Sockets.</u>				
2.1	Appendix ' c' Page No-14	Providing and Fixing of Universal Switched Socket 13 Amp Clipsal Austrial Made with back box (3"x3").	Nos.	36		
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	40		
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	4920		
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	41		
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	4920		
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	3936		
7		<u>L.T. Switchgear</u>				
		<u>MAIN PANEL BOARD</u>				

ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN

CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01

ELECTRICAL WORKS

BILL OF QUANTITIES

Item. No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		Supply, installation, connection of wires cables, and commissioning of distribution boards concealed type or to be installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring , PVC cable glands for incoming and out going wires/cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pasted on the front side of DB, 3 phase indication lamps of colour red, yellow, blue, make Hager, Legrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, 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.				
	Appendix ' c' Page No-7	<u>MPB (Main Panel Board- WAPDA)</u> 02 No. Incoming 250 Amp MCCB TP, RC=18 kA (Elect. & Mech. Interlocking). 04 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		
		Total "B"(Non Schedule items) C/o to Summary of Cost:				