



**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.)       |
|------------|--|--------------------|
| <b>A-1</b> | <b>ACADEMIC BLOCK - SCHEDULED ITEMS</b>              |                    |
|            | • CIVIL WORK   | 135,459,202        |
|            | • PUBLIC HEALTH WORK                                 | 9,837,794          |
|            | • ELECTRICAL WORK                                    | 10,673,129         |
|            | <b>SUB TOTAL (A-1) SCHEDULED ITEMS</b>               | <b>155,970,125</b> |
| <b>A-2</b> | <b>ADMIN BLOCK - SCHEDULED ITEMS</b>                 |                    |
|            | • CIVIL WORK   | 32,170,791         |
|            | • PUBLIC HEALTH WORK                                 | 2,115,412          |
|            | • ELECTRICAL WORK                                    | 4,603,921          |
|            | <b>SUB TOTAL (A-2) SCHEDULED ITEMS</b>               | <b>38,890,125</b>  |
| <b>A</b>   | <b>TOTAL-A SCHEDULED ITEMS:</b>                      | <b>194,860,249</b> |
|            | <b>% AGE ABOVE / BELOW ON CSR 2018 BALOCHISTAN :</b> |                    |
|            | <b>NET TOTAL-A (SCHEDULED ITEMS):</b>                |                    |
| <b>B-1</b> | <b>ACADEMIC BLOCK - NON SCHEDULED ITEMS</b>          |                    |
|            | • CIVIL WORK   |                    |
|            | • PUBLIC HEALTH WORK                                 |                    |
|            | • ELECTRICAL WORK                                    |                    |
|            | <b>SUB TOTAL (B-1) NON SCHEDULED ITEMS</b>           |                    |
| <b>B-2</b> | <b>ADMIN BLOCK - NON SCHEDULED ITEMS</b>             |                    |
|            | • CIVIL WORK   |                    |
|            | • PUBLIC HEALTH WORK                                 |                    |
|            | • ELECTRICAL WORK                                    |                    |
|            | <b>SUB TOTAL (B-2) NON SCHEDULED ITEMS</b>           |                    |
| <b>B</b>   | <b>TOTAL-B NON SCHEDULED ITEMS:</b>                  |                    |
|            | <b>GRAND TOTAL (A+B) :</b>                           |                    |
|            | <b>INCLUSION OF PREVAILING TAXES (BSTS) @ 15% :</b>  |                    |
|            | <b>FINAL CONTRACT AMOUNT:</b>                        |                    |
|            | <b>IN WORDS :</b>                                    |                    |

**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.)  |
|---|--------------------------|--|--------|------------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                          |  |        |            |            |               |
|   |                          | <b>SCHEDULE ITEMS-A</b>  |        |            |            |               |
|   |                          | <b>Earth Work</b>  |        |            |            |               |
| 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   |
|   |                          | <b>Anti-Termite</b>  |        |            |            |               |
| 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   |
|   |                          | <b>Plain and Reinforcement Concrete</b>  |        |            |            |               |
| 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     | -             |
|   |                          | <b>FOUNDATION FOR BUILDINGS</b>  |        |            |            |               |
| 7   | CH:5 item 5-8(b)         | Providing and laying <b>1:1-5:3</b> 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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|---|------------------------|--|--------|-----------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                        |  |        |           |            |               |
| <b>WALLS AND PIERS</b>  |                        |  |        |           |            |               |
| 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    |
| <b>COLUMNS AND PILLARS</b>  |                        |  |        |           |            |               |
| 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   |
| <b>BEAMS, SLABS AND LINTELS</b>   |                        |  |        |           |            |               |
| 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 <b>Plinth beams</b> , 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 <b>beams, lintels</b> 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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|---|-----------------------------|---|--------|-----------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                             |   |        |           |            |               |
| 12  | CH:5 item 17-(a)(i) P-53    | Providing and laying <b>1:2:4</b> 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.<br>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)         | <b>Providing and laying 1:1.5:3 cement concrete using approved coarse</b> sand and crushed aggregate 3/4" (19mm) and down gauge in <b>overhead water tanks</b> and silos at a height of 10m (32.8' ) above ground level including formwork and its removal, compacting and curing. <b>Bottom slab</b> |        |           |            |               |
|   | 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)            | <b>Providing and laying 1:1.5:3 cement concrete using approved coarse</b> sand and crushed aggregate 3/4" (19mm) and down gauge in <b>overhead water tanks</b> and silos at a height of 10m (32.8' ) above ground level including formwork and its removal, compacting and curing. <b>WALL</b>        |        |           |            |               |
|   | 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              | <b>Providing and laying 1:2:4 cement concrete using approved coarse</b> sand and crushed aggregate 3/4" (19mm) and down gauge in <b>overhead water tanks</b> and silos at a height of 10m (32.8' ) above ground level including formwork and its removal, compacting and curing. <b>TOP slab</b>      |        |           |            |               |
|   | 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   |
|   |                             | <b>BALCONY, SUN SHADES, PARAPETS, EAVE BOARDS AND STAIRS</b>  |        |           |            |               |

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|---|------------------------|---|--------|-----------|-------------|----------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                        |   |        |           |             |                |
| 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    |
|   |                        | <b>Steel Reinforcement</b>  |        |           |             |                |
| 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  |
|   |                        | <b>Brick Masonry</b>  |        |           |             |                |
| 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)               | <b>Above 4.5" (115mm) thick Solid Brick Masonry</b>   | Cu.ft. | 708.750   | 239.400     | 169,674.750    |

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|---|---------------------------|---|--------|------------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                           |   |        |            |            |               |
| 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)                        | <b>4.5" (115 mm) thick Solid Brick masonry</b>  |        |            |            |               |
|   | 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)                        | <b>9" (225 mm) thick Solid Brick masonry</b>  |        |            |            |               |
|   | 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   |
|   |                           | <b>Flooring</b>   |        |            |            |               |
| 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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|---|--|--|--------|------------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |  |  |        |            |            |              |
| 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   |
|   |  | <b>Finishing</b>   |        |            |            |              |
| 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  |

**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.)  |
|---|--|---|--------|------------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |  |   |        |            |            |               |
|   | 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+35ax<br>2                     | Mumty Floor   | Sq.ft. | 265.650    | 61.700     | 16,390.605    |
| 31  | Ch-15 item 3<br>(iii)+34a+35a<br>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)<br>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 |
|   |  | <b>Wood Work</b>  |        |            |            |               |
| 33  | Ch-16 item 92-1<br>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<br>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.) |
|---|---------------------------------------|--|--------|---------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                                       |  |        |         |            |              |
| 35  | Ch-16 item<br>97-1+87-a<br>P-157+155  | Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1$ mm), with wall thickness 2.0 mm ( $\pm 0.2$ 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 ( $\pm 0.1$ 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<br>98-1+87-a<br>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 ( $\pm 0.2$ 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 ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm ( $\pm 0.2$ 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 ( $\pm 0.1$ 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<br>66-a+87a+b<br>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.)  |
|---|-------------------------------------|--|--------|------------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                                     |  |        |            |            |               |
| 38  | Ch-16 item 74-b(ii)+87a+b P-152+155 | Providing and fixing approved Chromium plated brass sliding bolts or aldrops 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  | -             |
|   |                                     | <b>Painting and Warnishing</b>   |        |            |            |               |
| 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.) |
|---|--------------------------------|---|--------|------------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                                |   |        |            |            |              |
|   | 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.) |
|---|--|--|--------|---------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |  |  |        |         |            |              |
|   |  | <b>Iron, Steel and Aluminium Works</b>   |        |         |            |              |
| 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.)  |
|---|--------------------------------------|---|--------|-----------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                                      |   |        |           |            |               |
|   | 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.)  |
|---|---------------------------------|--|--------|------------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                                 |  |        |            |            |               |
|   | 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   |
|   |                                 | <b>Roofing &amp; Water Proofing</b>  |        |            |            |               |
| 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.)           |
|---|-----------------------|--|-------|---------|------------|------------------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                       |  |       |         |            |                        |
|   | 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              |
|   |                       |  |       |         |            |                        |
|   |                       | <b>Total "A"(Schedule items) C/o to Summary of Cost:</b>   |       |         |            | <b>135,459,202.383</b> |

**ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN**

**CONSTRUCTION OF ACADEMIC BLOCK - PACKAGE 01**

**BILL OF QUANTITIES**

**CIVIL WORKS**

| <b>Item No.</b>   | <b>REF. Nos CH/ITEM</b> | <b>Description of Items</b>   | <b>Unit</b> | <b>Qty</b> | <b>Rate (Rs.)</b> | <b>Amount (Rs.)</b> |
|---|-------------------------|---|-------------|------------|-------------------|---------------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                         |   |             |            |                   |                     |
|   |                         |   |             |            |                   |                     |
|   |                         | <b>NON SCHEDULE ITEMS-B</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  |                   |                     |
|   |                         | <b>Total "B"(NonSchedule items) C/o to Summary of Cost:</b>   |             |            |                   |                     |

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.) |
|----------|-----------------------|--|------|--------|------------|--------------|
|          | <b>Schedule Items</b> |  |      |        |            |              |
|          |                       | <b>Plumbing Fixtures</b>   |      |        |            |              |
| 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<br>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.<br>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.<br>b) Shelf (Master/Sonex make)   | Each | 32.000  | 2,463.750  | 78,840.000   |
| 11       | 23-29/P-201      | Providing and fixing soap dish<br>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 cok including making requisite numbers of holes and making good with approved material.  | Each | 20.000  | 3,660.000  | 73,200.000   |
|          |                  | <b>Gas Supply System</b>   |      |         |            |              |
| 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.<br>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  |
|          |                  | <b>Water Supply System</b>   |      |         |            |              |
| 16       | 27-47 a)         | <b>Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes</b> 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**

| <b>Item No.</b> | <b>REF. Nos CH/ITEM</b> | <b>Description of Items</b>  | <b>Unit</b> | <b>Qty</b> | <b>Rate (Rs.)</b> | <b>Amount (Rs.)</b> |
|-----------------|-------------------------|--|-------------|------------|-------------------|---------------------|
| 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           |
|                 |                         | <b>Over Head Water Tank</b>  |             |            |                   |                     |
| 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.<br>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.) |
|----------|------------------|---|------|----------|------------|--------------|
|          |                  | <b>Sewerage System</b>  |      |          |            |              |
|          |                  | 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<br>(i) The rate includes back filling after laying of sewer, which is payable separately.<br>(ii) The rate for close/open shuttering & timbering will be as per item No. 3-43 & 3-44 where actually used at site.<br>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.<br>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 gully trap with 4" (100mm) outlet, complete with 4" (100mm) thick 1:2:4 cement concrete using 3/4" (19mm) crushed aggregate for bed and kerb, 1/2" (13mm) thick cement plaster 1:3, 12"x12"x18" deep inside dimension chamber with C.I. grating 6"x6" cover and frame 12"x12".<br>a) Cement concrete gully trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.  | Each | 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 <b>C.I. floor trap 4" dia. inlet and outlet with C.I.</b> 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            | <b>GROUND FLOOR</b>  | 56      | No      | 2,055.000   | 115,080.000          |
|          |                  | <b>Septic Tank</b>   |         |         |             |                      |
| 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)<br>A) Manual<br>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.<br>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.<br>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.<br>C.I. foot rest   | Each    | 26.000  | 200.400     | 5,210.400            |
|          |                  | <b>Total "A"(Schedule items) C/o to Summary of Cost:</b>   |         |         |             | <b>9,837,793.613</b> |

**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.) |
|----------|------------------|--|------|------|------------|--------------|
|          |                  | <b>Non Schedule Items</b>  |      |      |            |              |
|          |                  | <b>Part-3: Sewerage System</b>   |      |      |            |              |
| 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    |            |              |
|          |                  | <b>PART-4: Gas Supply System</b>   |      |      |            |              |
| 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    |            |              |
|          |                  | <b>Total "B"(NonSchedule items) C/o to Summary of Cost:</b>  |      |      |            |              |

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      |
|---|----------|------------------|--|-------|----------|-----------|-------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |          |                  |  |       |          |           |             |
| <b>A) Schedule Items</b>  |          |                  |  |       |          |           |             |
| <b>1</b>  |          |                  | <b>Light Circuits,</b>   |       |          |           |             |
|   | 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 |
| <b>2</b>  |          |                  | <b>1st Light Point Controlled By One Switch</b>  |       |          |           |             |
|   | 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 |
| <b>3</b>  |          |                  | <b>Point to Point Controlled By One Switch</b>   |       |          |           |             |
|   | 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 |
| <b>3</b>  |          |                  | <b>2 Way Light Point Controlled By One Switch</b>  |       |          |           |             |
|   |          |                  | 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  |
| <b>2</b>  |          |                  | <b>Exhaust Fan Points</b>  |       |          |           |             |
|   | 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  |
| <b>2</b>  |          |                  | <b>Ceiling / Wall Bracket Fan Points</b>   |       |          |           |             |
|   | 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 |
| <b>4</b>  |          |                  | <b>1- 13 Amps Switch Socket</b>  |       |          |           |             |
|   | 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 |

**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      |
|--------|----------|------------------|---|------|----------|-----------|-------------|
| 4      |          |                  | <b>1 x 3 Pin 15 Amps Switch Socket</b>  |      |          |           |             |
|        | 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      |          |                  | <b>Floor Box</b>  |      |          |           |             |
|        | 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      |          |                  | <b>Switch &amp; Socket</b>  |      |          |           |             |
|        | 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      |          |                  | <b>PVC Pipe</b>   |      |          |           |             |
|        |          | 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      |          |                  | <b>L.T. Power Cables</b>  |      |          |           |             |
|        | 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      |          |                  | <b>Circuit Protective Conductor (CPC)</b>   |      |          |           |             |

**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        |
|-----------|----------|------------------|---|------|----------|-------------|---------------|
|           | 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    |
| <b>9</b>  |          |                  | <b>Ceiling Fans</b>   |      |          |             |               |
|           |          | 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 |
| <b>9</b>  |          |                  | <b>Wall Bracket Fans</b>  |      |          |             |               |
|           |          | Item 30-114      | Supply and install 20" (500 mm) sweep revolving bracket fan with guard.   | Each | 4.000    | 3,079.200   | 12,316.800    |
| <b>10</b> |          |                  | <b>Exhaust Fans</b>   |      |          |             |               |
|           |          | Item 30-113      | Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.  | Each | 46.000   | 2,760.000   | 126,960.000   |
| <b>12</b> |          |                  | <b>L.T. Switchgear</b>  |      |          |             |               |
|           |          |                  | <b>Distribution Board Concealed</b>   |      |          |             |               |
|           | 12.1     |                  | <b>DBL1-GF, DBL1-1F, DBL1-2F</b>  |      |          |             |               |
|           | 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     |                  | <b>DBLP-1G</b>  |      |          |             |               |
|           | 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   |
| <b>13</b> |          |                  | <b>Earthing System</b>  |      |          |             |               |
|           | 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  | 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    |
| <b>14</b> |          |                  | <b>Telephone System</b>   |      |          |             |               |
|           | 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    |
| <b>15</b> |          |                  | <b>Fire Alarm System</b>  |      |          |             |               |
|           | 15.1     | Item 30-126(a)   | Fire resistance insulated 2-core, 1.5mm <sup>2</sup> cable in PVC Conduits in 25 mm <sup>2</sup> 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   |
| <b>16</b> |          |                  | <b>CCTV System</b>  |      |          |             |               |

**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                |
|--|----------|-------------------------|---|------|-------|-------------|-----------------------|
|  | 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           |
| <b>Total "A"(Schedule Items) C/o to Summary of Cost:</b> |          |                         |   |      |       |             | <b>10,673,128.800</b> |
| <b>B) Non-Schedule Items.</b>                            |          |                         |   |      |       |             |                       |
| <b>1</b>   |          |                         | <b>Incandescent Fittings</b>  |      |       |             |                       |
|  | 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    |             |                       |
| <b>2</b>   |          |                         | <b>Switch &amp; Sockets.</b>  |      |       |             |                       |
|  | 2.1      | Appendix 'c' Page No-14 | Providing and Fixing of Universal Switched Socket 13 Amp Clipsal Austrian Made with back box (3"x3").   | Nos. | 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    |             |                       |
| <b>3</b>   |          |                         | <b>Earthing System</b>  |      |       |             |                       |
|  | 3.1      |                         | <b>Earth Connecting Point</b>   |      |       |             |                       |
|  |          | 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     |             |                       |
| <b>2</b>   |          |                         | <b>Telephone System</b>   |      |       |             |                       |
|  | 2.1      |                         | <b>Telephone Outlet</b>   |      |       |             |                       |
|  |          | 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      |                         | <b>Telephone Cables</b>   |      |       |             |                       |
|  |          |                         | 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  | <b>4-5 Pair Cable CAT-6/UG/PVC (0.6 mm sq)<br/>(From DP to each Room)</b>   | Rft  | 4920  |             |                       |
|  | 2.2      |                         | <b>Telephone Exchange</b>   |      |       |             |                       |
|  |          | 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     |             |                       |
| <b>3</b>   |          |                         | <b>Computer System</b>  |      |       |             |                       |
|  | 3.1      |                         | <b>Computer Outlet</b>  |      |       |             |                       |

**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 |
|----------|----------|-------------------------|---|------|------|------|--------|
|          |          | 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      |                         | <b>Computer Cables</b>  |      |      |      |        |
|          |          |                         | 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 |      |        |
| <b>4</b> | 4.1      |                         | <b>CCTV System</b>  |      |      |      |        |
|          |          |                         | 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  |      |        |
| <b>7</b> |          |                         | <b>L.T. Switchgear</b>  |      |      |      |        |
|          |          |                         | <b>MAIN PANEL BOARD</b>   |      |      |      |        |
|          |          |                         | 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 | <b>MPB (Main Panel Board- WAPDA)</b><br>02 No. Incoming 400 Amp MCCB TP, RC=35 kA (Elect. & Mech. Interlocking).<br>10 No. Outgoing 100/60/75 Amp MCCB TP, RC=16 kA<br>a) 6 No Digital ammeter<br>b) 6 No Digital voltmeter<br>d) 6 No indication lights 220 Volt<br>e) 6 Nos. Current Transformer 400/5A<br>f) 400 Amp. 3 Ph N & Earth copper busboards<br>g) Power Wiring.<br>h) Panel steel grid painted along with locking arrangement  | No.  | 1    |      |        |
|          |          |                         | <b>Total "B"(Non Schedule items) C/o to Summary of Cost:</b>  |      |      |      |        |



CONSTRUCTION OF ADMIN BLOCK  
PACKAGE 01

**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.) |
|---|--------------------------|--|--------|------------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                          |  |        |            |            |              |
| <b>SCHEDULE ITEMS-A</b>   |                          |  |        |            |            |              |
| <b>Earth Work</b>   |                          |  |        |            |            |              |
| 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  |
| <b>Anti-Termite</b>   |                          |  |        |            |            |              |
| 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  |
| <b>Plain and Reinforcement Concrete</b>                                   |                          |  |        |            |            |              |
| 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     | -            |
| <b>FOUNDATION FOR BUILDINGS</b>   |                          |  |        |            |            |              |
| 7   | CH:5 item 5-8(b)         | Providing and laying <b>1:1-5:3</b> 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  |
| <b>O.H Water Tank Wall</b>  |                          |  |        |            |            |              |
| 8   | CH:5 item 5-23(a) P-52   | Providing and laying <b>1:1.5: 3</b> 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  |

**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.)  |
|---|--------------------------|---|--------|-----------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                          |   |        |           |            |               |
| <b>COLUMNS AND PILLARS</b>  |                          |   |        |           |            |               |
| 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    | -             |
| <b>BEAMS, SLABS AND LINTELS</b>   |                          |   |        |           |            |               |
| 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.<br>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)      | <b>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</b> |        |           |            |               |
|   | 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           | <b>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</b>      |        |           |            |               |
|   | CH:5 item 23 f           | Ground Floor  | Cu.ft. | -         | 408.750    | -             |

**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.)  |
|---|-------------------------|--|--------|------------|-------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                         |  |        |            |             |               |
|   | 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    |
|   |                         | <b>BALCONY, SUN SHADES, PARAPETS, EAVE BOARDS AND STAIRS</b>   |        |            |             |               |
| 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     | -             |
|   |                         | <b>Steel Reinforcement</b>   |        |            |             |               |
| 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   |
|   |                         | <b>Block Masonry</b>   |        |            |             |               |
| 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)                      | <b>4.5" (115 mm) thick Solid Brick masonry</b>   |        |            |             |               |
|   | 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)                  | <b>9" (225 mm) thick (1:5) Solid Brick masonry</b>   |        |            |             |               |
|   | 11-12(iii)+11-26(a)     | Ground Floor   | Cu.ft. | 12,336.569 | 256.050     | 3,158,778.403 |

**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.)  |
|---|---------------------------|--|--------|-----------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                           |  |        |           |            |               |
|   | 11-12(iii)+11-26(a)       | First Floor  | Cu.ft. | 561.094   | 275.150    | 154,384.945   |
|   |                           | <b>Flooring</b>  |        |           |            |               |
| 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    | -             |

**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.) |
|---|---------------------------|--|--------|---------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                           |  |        |         |            |              |
| 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   |

**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.)  |
|---|--|--|--------|------------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |  |  |        |            |            |               |
| 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    | -             |
|   |  | <b>Finishing</b>   |        |            |            |               |
| 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 basment plinth and ground floor including making edges cornor 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 Externl 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 includings ties and scaffolding complete in all respects 3"x 3" x 9"  | Sft    | 9,460.500  | 183.350    | 1,734,582.675 |
|   |  | <b>Wood Work</b>   |        |            |            |               |
| 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.) |
|---|--------------------------------|--|--------|-----------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                                |  |        |           |            |              |
| 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 $\pm 1$ mm), with wall thickness 2.0 mm ( $\pm 0.2$ 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 ( $\pm 0.1$ 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 ( $\pm 0.2$ 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 ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm ( $\pm 0.2$ 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 ( $\pm 0.1$ 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    | -            |

**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.) |
|---|--|---|--------|--------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |  |   |        |        |            |              |
| 39  | Ch-16 item 66-a+87a+b<br>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<br>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    |

**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.) |
|---|-------------------------------|--|--------|------------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                               |  |        |            |            |              |
|   |                               | <b>Painting and Warnishing</b>   |        |            |            |              |
| 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)  |        |            |            |              |

**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.) |
|---|--|--|--------|-----------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |  |  |        |           |            |              |
|   | 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  |
|   |  | <b>Iron, Steel and Aluminium Works</b>   |        |           |            |              |
| 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    | -            |

**ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN**

**CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01**

**BILL OF QUANTITIES**

**CIVIL WORKS**

| Item No.  | REF. Nos<br>CH/ITEM                        | Description of Items  | Unit   | Qty       | Rate (Rs.) | Amount (Rs.) |
|---|--|---|--------|-----------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |  |   |        |           |            |              |
| 50  | Ch-28 item 26-a&b<br>+ 67-a&b<br>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 +<br>67-a&b<br>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<br>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    | -            |
|   |  | <b>Roofing &amp; Water Proofing</b>   |        |           |            |              |
| 53  | Ch-8 item 18-a<br>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   |

**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.)  |
|---|------------------------------------|--|--------|-----------|------------|---------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                                    |  |        |           |            |               |
| 54  | Ch-13 item 13-5-1<br>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<br>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<br>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<br>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<br>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<br>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     |

**ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN**

**CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01**

**BILL OF QUANTITIES**

**CIVIL WORKS**

| <b>Item No.</b>   | <b>REF. Nos CH/ITEM</b> | <b>Description of Items</b>   | <b>Unit</b> | <b>Qty</b> | <b>Rate (Rs.)</b> | <b>Amount (Rs.)</b>   |
|---|-------------------------|---|-------------|------------|-------------------|-----------------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                         |   |             |            |                   |                       |
|   | 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           |
|   |                         |   |             |            |                   |                       |
|   |                         |   |             |            |                   |                       |
|   |                         | <b>Total "A"(Schedule items) C/o to Summary of Cost:</b>  |             |            |                   | <b>32,170,791.417</b> |
|   |                         |   |             |            |                   |                       |
|   |                         | <b>NON SCHEDULE ITEMS-B</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   |                   |                       |
|   |                         | <b>Total "B"(Non Schedule items) C/o to Summary of Cost:</b>  |             |            |                   |                       |

**CONSTRUCTION OF ADMIN BLOCK  
PUBLIC HEALTH WORKS**



**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.) |
|---|------------------|--|------|-------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                  |  |      |       |            |              |
| <b>Schedule Items</b>   |                  |  |      |       |            |              |
| <b>Plumbing Fixtures</b>  |                  |  |      |       |            |              |
| 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<br>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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| Item No. | REF. Nos CH/ITEM | Description of Items  | Unit | Qty     | Rate (Rs.) | Amount (Rs.) |
|----------|------------------|---|------|---------|------------|--------------|
| 6        | 23-8/P-199       | Providing and fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material. |      |         |            |              |
|          |                  | a) Stainless steel sink 40" x 20" (1000 mm x 500 mm)  | Each | 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.<br>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.<br>b) Shelf (Master/Sonex make)  | Each | 5.000   | 2,463.750  | 12,318.750   |
| 11       | 23-29/P-201      | Providing and fixing soap dish<br>a) Chromium plated  | Each | 5.000   | 915.000    | 4,575.000    |
|          |                  | <b>Gas Supply System</b>  |      |         |            |              |
| 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.<br>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   |
|          |                  | <b>Water Supply System</b>  |      |         |            |              |
| 15       | 27-47 a)         | <b>Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes</b> 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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**CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01**

**PUBLIC HEALTH WORKS**

| Item No. | REF. Nos CH/ITEM | Description of Items   | Unit    | Qty      | Rate (Rs.)  | Amount (Rs.) |
|----------|------------------|--|---------|----------|-------------|--------------|
| 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    |
|          |                  | <b>Over Head Water Tank</b>  |         |          |             |              |
| 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.<br>b) P.V.C. ribbed water stop 6" (150 mm) wide   | Rft     | 65.000   | 110.200     | 7,163.000    |
|          |                  | <b>Sewerage System</b>   |         |          |             |              |
|          |                  | 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<br>(i) The rate includes back filling after laying of sewer, which is payable separately.<br>(ii) The rate for close/open shuttering & timbering will be as per item No. 3-43 & 3-44 where actually used at site.<br>A) Upto 5 ft. (1.5 m) depth                |         |          |             |              |
| 26       | 3-42/P-31        | ii) Ordinary soil  | Cft     | 1507.500 | 2.900       | 4,371.750    |

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| <b>Item No.</b> | <b>REF. Nos CH/ITEM</b> | <b>Description of Items</b>  | <b>Unit</b> | <b>Qty</b> | <b>Rate (Rs.)</b> | <b>Amount (Rs.)</b> |
|-----------------|-------------------------|--|-------------|------------|-------------------|---------------------|
| 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.<br>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".<br>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           |

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|-----------------|-------------------------|---|-------------|------------|-------------------|---------------------|
| 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 <b>C.I. floor trap 4" dia. inlet and outlet with C.I.</b> 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                   | <b>GROUND FLOOR</b>   | 56          | 12.000     | 2,055.000         | 24,660.000          |
|                 |                         | <b>Septic Tank</b>  |             |            |                   |                     |
| 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)<br>A) Manual<br>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.<br>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          |

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| <b>Item No.</b>  | <b>REF. Nos CH/ITEM</b> | <b>Description of Items</b>  | <b>Unit</b> | <b>Qty</b> | <b>Rate (Rs.)</b> | <b>Amount (Rs.)</b>  |
|--|-------------------------|--|-------------|------------|-------------------|----------------------|
| 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.<br>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.<br>C.I. foot rest   | Each        | 26.000     | 200.400           | 5,210.400            |
| <b>Total "A"(Schedule items) C/o to Summary of Cost:</b> |                         |  |             |            |                   | <b>2,115,412.004</b> |

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| Item No. | REF. Nos CH/ITEM | Description of Items   | Unit | Qty  | Rate (Rs.) | Amount (Rs.) |
|----------|------------------|--|------|------|------------|--------------|
|          |                  | <b>Non Schedule Items</b>  |      |      |            |              |
|          |                  | <b>Part-3: Sewerage System</b>   |      |      |            |              |
| 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    |            |              |
|          |                  | <b>PART-4: Gas Supply System</b>   |      |      |            |              |
| 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    |            |              |
|          |                  | <b>Total "B"(Non Schedule items) C/o to Summary of Cost:</b>   |      |      |            |              |

**CONSTRUCTION OF ADMIN BLOCK  
ELECTRICAL WORKS**

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**ELECTRICAL WORKS**  
**BILL OF QUANTITIES**

| Item. No.   | REF. Nos<br>CH/ITEM | Description of Items   | Unit  | Qty      | Rate (Rs.) | Amount (Rs.) |
|---|---------------------|--|-------|----------|------------|--------------|
| <b>Government of Balochistan Composite Schedule of Rates Version 2018</b> |                     |  |       |          |            |              |
| <b>A) Schedule Items</b>  |                     |  |       |          |            |              |
| <b>1</b>  |                     | <b><u>Light Circuits.</u></b>  |       |          |            |              |
|   | 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   |
| <b>2</b>  |                     | <b><u>1st Light Point Controlled By One Switch</u></b>   |       |          |            |              |
|   | 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  |
| <b>3</b>  |                     | <b><u>Point to Point Controlled By One Switch</u></b>  |       |          |            |              |
|   | 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   |
| <b>3</b>  |                     | <b><u>2 Way Light Point Controlled By One Switch</u></b>   |       |          |            |              |
|   |                     | 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    |
| <b>2</b>  |                     | <b><u>Exhaust Fan Points</u></b>   |       |          |            |              |
|   | 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   |
| <b>2</b>  |                     | <b><u>Ceiling Fan Points</u></b>   |       |          |            |              |
|   | 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   |
| <b>4</b>  |                     | <b><u>1- 13 Amps Switch Socket</u></b>   |       |          |            |              |
|   | 4.1                 | Wiring of 13 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.  | Rft   | 1800.000 | 101.950    | 183,510.000  |
|   | 4.2                 | Wiring of 5 Amps. socket outlet with 2.5 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.                                       | Rft   | 2240.000 | 69.550     | 155,792.000  |
| <b>4</b>  |                     | <b><u>1 x 3 Pin 15 Amps Switch Socket</u></b>  |       |          |            |              |
|   | 4.1                 | Wiring of 15 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.  | Rft   | 650.000  | 101.950    | 66,267.500   |
| <b>5</b>  |                     | <b><u>Switch &amp; Socket</u></b>  |       |          |            |              |

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

| Item. No. | REF. Nos<br>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   |
| <b>2</b>  |                     | <b><u>PVC Pipe</u></b>  |      |         |            |              |
|           | 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   |
| <b>6</b>  |                     | <b><u>L.T. Power Cables</u></b>   |      |         |            |              |
| 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  |
| <b>7</b>  |                     | <b><u>Circuit Protective Conductor (CPC)</u></b>  |      |         |            |              |
| 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   |
| <b>9</b>  |                     | <b><u>Ceiling Fans</u></b>  |      |         |            |              |
|           | 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  |
| <b>10</b> |                     | <b><u>Exhaust Fans</u></b>  |      |         |            |              |
|           | Item 30-113         | Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.  | Each | 6.000   | 2,760.000  | 16,560.000   |
| <b>12</b> |                     | <b><u>L.T. Switchgear</u></b>   |      |         |            |              |
|           |                     | <b><u>Distribution Board Concealed</u></b>  |      |         |            |              |
| 12.1      |                     | <b><u>DBLP-1B</u></b>   |      |         |            |              |
| 12.2      |                     | <b><u>DBLP-1G</u></b>   |      |         |            |              |

**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.)         |             |
|--|------------------|-------------------------------------|--|------|------------|----------------------|-------------|
|  | 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 |
| <b>13</b>  |                  | <b><u>Earthing System</u></b>       |  |      |            |                      |             |
|  | 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  |
| <b>14</b>  |                  | <b><u>Telephone System</u></b>      |  |      |            |                      |             |
|  | 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   |
| <b>15</b>  |                  | <b><u>Fire Alarm System</u></b>     |  |      |            |                      |             |
|  | 15.1             | Item 30-126(a)                      | Fire resistance insulated 2-core, 1.5mm <sup>2</sup> cable in PVC Conduits in 25 mm <sup>2</sup> 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 |
| <b>16</b>  |                  | <b><u>CCTV System</u></b>           |  |      |            |                      |             |
|  | 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 |
| <b>Total "A"(Schedule items) C/o to Summary of Cost:</b> |                  |                                     |  |      |            | <b>4,603,921.150</b> |             |
| <b>B) Non-Schedule Items.</b>                            |                  |                                     |  |      |            |                      |             |
| <b>1</b>   |                  | <b><u>Incandescent Fittings</u></b> |  |      |            |                      |             |
|  | 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          |                      |             |

**ESTABLISHMENT OF SBK WOMEN'S UNIVERSITY SUB-CAMPUS PISHIN**

**CONSTRUCTION OF ADMIN BLOCK - PACKAGE 01**

**ELECTRICAL WORKS**

**BILL OF QUANTITIES**

| Item. No. | REF. Nos<br>CH/ITEM | Description of Items                | Unit   | Qty  | Rate (Rs.) | Amount (Rs.) |
|-----------|---------------------|-------------------------------------|--|------|------------|--------------|
|           | 1.5                 | Appendix ' c'<br>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         |              |
| <b>2</b>  |                     | <b><u>Switch &amp; Sockets.</u></b> |  |      |            |              |
|           | 2.1                 | Appendix ' c'<br>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'<br>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          |              |
| <b>3</b>  |                     | <b><u>Earthing System</u></b>       |  |      |            |              |
|           | 3.1                 |                                     | <b><u>Earth Connecting Point</u></b>   |      |            |              |
|           |                     | Appendix ' c'<br>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          |              |
| <b>2</b>  |                     |                                     | <b><u>Telephone System</u></b>   |      |            |              |
|           | 2.1                 |                                     | <b><u>Telephone Outlet</u></b>   |      |            |              |
|           |                     | Appendix ' c'<br>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                 |                                     | <b><u>Telephone Cables</u></b>   |      |            |              |
|           |                     |                                     | 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'<br>Page No-3          | <b><u>4-5 Pair Cable CAT-6/UG/PVC (0.6 mm sq)</u></b><br><b><u>(From DP to each Room)</u></b>  | Rft  | 4920       |              |
|           | 2.2                 |                                     | <b><u>Telephone Exchange</u></b>   |      |            |              |
|           |                     | Appendix ' c'<br>Page No-4          | Supply, installation and commissioning of PABX TDA-100D:<br>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          |              |
| <b>3</b>  |                     |                                     | <b><u>Computer System</u></b>  |      |            |              |
|           | 3.1                 |                                     | <b><u>Computer Outlet</u></b>  |      |            |              |
|           |                     | Appendix ' c'<br>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                 |                                     | <b><u>Computer Cables</u></b>  |      |            |              |
|           |                     |                                     | 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'<br>Page No-3          | 1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed.  | Rft  | 4920       |              |
| <b>4</b>  | 4.1                 |                                     | <b><u>CCTV System</u></b>  |      |            |              |
|           |                     |                                     | 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'<br>Page No-3          | 1 no. 4 pair CAT- 6 (UTP) cable tinned copper conductor PVC insulated PVC sheathed.  | Rft  | 3936       |              |
| <b>7</b>  |                     |                                     | <b><u>L.T. Switchgear</u></b>  |      |            |              |
|           |                     |                                     | <b><u>MAIN PANEL BOARD</u></b>   |      |            |              |

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

| Item. No.  | REF. Nos<br>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'<br>Page No-7 | <b>MPB (Main Panel Board- WAPDA)</b><br>02 No. Incoming 250 Amp MCCB TP, RC=18 kA (Elect. & Mech. Interlocking).<br>04 No. Outgoing 50/ 75 /100 Amp MCCB TP, RC=10 kA<br>a) 6 No Digital ammeter<br>b) 6 No Digital voltmeter<br>d) 6 No indication lights 220 Volt<br>e) 6 Nos. Current Transformer 400/5A<br>f) 400 Amp. 3 Ph N & Earth copper busboars<br>g) Power Wiring.<br>h) Panel steel grid painted along with locking arrangement   | No.  | 1   |            |              |
| <b>Total "B"(Non Schedule items) C/o to Summary of Cost:</b> |                            |   |      |     |            |              |