

## SCHEDULE – A TO BID

**SCOPE OF WORK**  
**Construction of Watch Tower at IBA Boys' Hostel**

| B.O.Q Item   | Description  | Unit | Quantity | Rate   | Amount |
|--|--|------|----------|--------|--------|
| <b>SECTION A</b>                                     |  |      |          |        |        |
| <b>SCHEDULE RATE ITEMS BASED ON CSR (SINDH) 2024</b> |  |      |          |        |        |
| 1  | <b>Excavation &amp; Backfilling</b>  |      |          |        |        |
|  | Excavation in foundation of Building Bridges and other structures including Dag belling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft. , lead upto one chain (30metre) and lift upto 5 ft. (1.5 metre) | Cft  | 611.00   | 11.88  | 7,259  |
| 2  | <b>Lean Concrete</b>   |      |          |        |        |
|  | Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering . 1:4:8 Concrete) Item # 5-I, pg 25   |      |          |        |        |
| a  | <b>Ratio 1:4:8</b>   | Cft  | 67.10    | 348.83 | 23,406 |
| 3  | <b>Lean Shuttering</b>   |      |          |        |        |
|  | Erection and removal of centering for R.C.C or plain cement concrete works of Partial Wood Chapter 4, Item # 19 Partial wood (a)   | Sft  | 26.40    | 106.52 | 2,812  |
| 4  | <b>Bitumen Coating</b>   |      |          |        |        |
|  | Bitumen Coating cold of approved manufactured on plastered or cement concrete surface complete in all respect and as per the direction of Engineer in Charge   | Sft  | 304.00   | 21.83  | 6,636  |
| 5  | <b>Termite Control Treatment</b>   |      |          |        |        |

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|          |   |     |        |          |         |
|----------|---|-----|--------|----------|---------|
|          | Providing Anti -termite treatment by spraying /sprinkling /spreading Neptachlar 0.5% Emulsion as an overall pre -construction treatment in foundation, in slab type construction under the CC slab and along attached perches or entrances etc, complete as per directions of Engineer Incharge<br>Item # 92, A Page No. 84 | Sft | 169.00 | 11.46    | 1,937   |
| <b>6</b> | <b>Structural Concrete</b>  |     |        |          |         |
|          | Roof slab and beams, Columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects<br>Refer Chapter 4 Page no. 25 Item No. 6(a)-(1) Ratio (1:2:4) 90 Lbs. cement 2 Cft sand 4 Cft Shingle 1/8" to 1/4" gauge   |     |        |          |         |
| a        | Footings/Foundations  | Cft | 60.75  | 717.59   | 43,594  |
| b        | Columns upto Plinth level   | Cft | 12.00  | 717.59   | 8,611   |
| c        | Plinth beams  | Cft | 21.00  | 717.59   | 15,069  |
| d        | Super structure Columns   | Cft | 80.00  | 717.59   | 57,407  |
| e        | Beams & Lintels   | Cft | 28.00  | 717.59   | 20,093  |
| f        | Slab and Projections  | Cft | 120.00 | 717.59   | 86,111  |
| <b>7</b> | <b>Steel Reinforcement</b>  |     |        |          |         |
|          | Fabrication of deformed steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.)<br>Grade-60, Item # 8 (a)-i, pg 26   | Cwt | 24.59  | 18934.02 | 465,502 |
| <b>8</b> | <b>Sub-Flooring Base (1:3:6)</b>  |     |        |          |         |
|          | Cement Concrete plain including placing, compacting, finishing and curing complete including screening and washing at stone aggregate with out shuttering.  | Cft | 96.00  | 388.67   | 37,312  |

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|           |  |     |        |        |        |
|-----------|--|-----|--------|--------|--------|
|           | Ref. Item No 5 h, Page No16 1:3:6<br>Conc. Plain   |     |        |        |        |
| <b>9</b>  | <b>Block Masonry</b>   |     |        |        |        |
|           | Providing and laying 1 :3 : 6 Cement concrete solid Block masonry wall above 6" in thickness set in 1 : 6 cement mortar in G.F ground floor superstructure including raking out joints & curing etc, complete.. (Page No. 27, Item No. 24) |     |        |        |        |
| <b>a</b>  | <b>6" thick</b>  | Cft | 84.00  | 514.82 | 43,245 |
| <b>b</b>  | <b>Extra labor for Block Masonry First Floor<br/>(Page no. 28, Item No. 32)</b>  | Cft | 84.00  | 11.88  | 998    |
| <b>10</b> | <b>Plaster</b>   |     |        |        |        |
|           | Refer Chapter No. 8 Page No. 52 Item No. 13  |     |        |        |        |
| <b>a</b>  | Cement plaster 1:6 upto 12' upto 20 ft height.<br>Refer Item No. 13 Page No. 52<br>b) 1/2" Thick   | Sft | 314.00 | 37.01  | 11,621 |
| <b>b</b>  | Cement plaster 1:4 upto 12' height.<br>Refer Item No. 11 Page No. 52<br>d) 3/4" Thick (Only for block masonry work)  | Sft | 466.00 | 39.83  | 18,561 |
| <b>11</b> | <b>Ceiling Distemper Paint</b>   |     |        |        |        |
|           | Distemping three coats on ceiling of watch towers (page no 53, item no 24C)  | Sft | 160.00 | 17.23  | 2,757  |
| <b>12</b> | <b>External Paint</b>  |     |        |        |        |
| <b>a</b>  | Preparing the surface and painting with weather coat l/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make. Page No 54 Item no 38A  | Sft | 660.00 | 39.38  | 25,991 |
| <b>b</b>  | 2nd and subsequent coat  | Sft | 660.00 | 23.60  | 15,576 |

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|  |  |      |      |          |             |
|--|--|------|------|----------|-------------|
| 13   | <b>Pre-cast rain water spouts</b>  |      |      |          |             |
|  | Reinforced cement concrete spout including fixing in position with top and bottom khuras.<br>Refer Item No. 37 Page No. 43 Chapter No. 7 | Each | 4.00 | 1,039.57 | 4,158       |
| <b>TOTAL AMOUNT OF SCHEDULED BASED ITEMS (CIVIL WORKS) one-watch Tower</b>                                   |  |      | PKR  |          | 898,656     |
| <b>TOTAL AMOUNT OF SCHEDULED BASED ITEMS (CIVIL WORKS) X Four-watch Tower</b>                                |  |      | PKR  |          | 3,594,625   |
| Add Premium / Rebate (25%)   |  |      | PKR  |          | - 898,656.2 |
| <b>(A) TOTAL AMOUNT OF SCHEDULED BASED ITEMS INCLUDING PREMIUM / REBATE (CIVIL WORKS) X Four-watch Tower</b> |  |      | PKR  |          | 2,695,969.2 |

**SECTION B****NON-SCHEDULE RATE ITEMS (BASED ON PREVAILING MARKET RATES)**

|   |   |     |        |       |          |
|---|---|-----|--------|-------|----------|
| 1 | <b>Monkey Ladder</b>  |     |        |       |          |
|   | Providing, fabricating and fixing monkey ladder with post of angle iron of 2"x2"x1/4" and steps of #5 bar @ 9" c/c with top cage having 2'-6" length consisting of strips 4 nos of iron 1"x1/8" including all hardwares, scaffolding and welding etc. Complete in all respects and conforming to the requirements of drawings, specifications and to the entire satisfaction of the Engineer. | Kg  | 50.00  | 780/- | 39,000/- |
| 2 | <b>Stone Soling</b>   |     |        |       |          |
|   | 6" inch thick compacted stone soling under floor and plinth protection.   | Sft | 169.00 | 85/-  | 14,365/- |
| 3 | <b>Roof Screeding</b>   |     |        |       |          |



|   |     |        |           |          |
|---|-----|--------|-----------|----------|
| Providing and laying 3" thick topping of cement concrete (1:2:4) including Surface finishing and dividing into panels: Item # 16-d, pg 45 | Sft | 120.00 | 420/-     | 50,400/- |
| <b>TOTAL ESTIMATED AMOUNT OF NON- SCHEDULE ITEMS (CIVIL WORKS) one Watch Tower</b>  |     | PKR    | 103,765/- |          |
| <b>(B) TOTAL ESTIMATED AMOUNT OF NON-SCHEDULE ITEMS (CIVIL WORKS) X Four Watch Tower</b>  |     | PKR    | 415,060/- |          |

**SECTION C**  
**SCHEDULE RATE ITEMS BASED ON CSR (SINDH) 2024**

|  |  |     |               |        |           |
|--|--|-----|---------------|--------|-----------|
| <b>1</b>   | <b>Angle Iron</b>  |     |               |        |           |
|  | Providing & fixing angle iron vertical plsts for barbed wire fencing of size 2" x 2" 1/4" embedded in RCC /Masonry pillars l/c Making cuts/ holders @ 12" l/c fixing in pillars by chiselling and filling the with cement sand mortar, spraining & finishing the surface. Item # 8, chapter 18 | Rft | 1,755.00      | 764.10 | 1,340,996 |
| <b>2</b>   | <b>Barbed Wire</b>   |     |               |        |           |
|  | Providing & fixing barbed wire fencing with 12 gauge - 4 points @ 6" apart barbed wire l/c straightening & fixing in angle iron vertical posts. Item # 9, chapter 18   | Rft | 49,503.59     | 27.85  | 1,378,675 |
| <b>TOTAL AMOUNT OF SCHEDULED BASED ITEMS (CIVIL WORKS) Barbed Wire/Fencing of Boundary Wall</b>                                |  | PKR | 2,719,671     |        |           |
| Add Premium / Rebate (4%)  |  | PKR | - 11,42,261.8 |        |           |
| <b>(C) TOTAL AMOUNT OF SCHEDULED BASED ITEMS INCLUDING PREMIUM / REBATE (CIVIL WORKS) Barbed Wire/Fencing of Boundary Wall</b> |  | PKR | 1,577,410/-   |        |           |

| B.O.Q Item | Description | Unit | Quantity | Rate | Amount |
|------------|-------------|------|----------|------|--------|
|------------|-------------|------|----------|------|--------|

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**SECTION-D**  
**SUPPLY, INSTALLATION, TESTING & COMMISSIONING**  
**WIRING ACCESSORIES etc.**  
**Make - Ref. List of approved Manufacturers**

|   |  |     |      |            |                  |
|---|--|-----|------|------------|------------------|
| 1   | Wiring of light circuit from DB to switch, between switches or first light point / directly controlled from DB with single core PVC insulated 2 x 1C - 2.5 sq.mm + 1 x 2.5 sq.mm wires in 25 mm dia PVC conduit complete in all respect. | Nos | 4.00 | 20800/-    | 83,200/-         |
| 2   | Wiring from switch to first light point with 2 x 1C - 1.5 sq.mm + 1 x 1.5 sq.mm wires in 25 mm dia PVC conduit complete in all respect.  | Nos | 4.00 | 2000/-     | 8000/-           |
| 3   | Same as above but from point to point.   | Nos | 8.00 | 2000/-     | 16000/-          |
| 4   | Wiring of Flood light from DB to switch, between switches or first light point / directly controlled from DB with single core PVC insulated 2 x 1C - 2.5 sq.mm + 1 x 2.5 sq.mm wires in 25 mm dia PVC conduit complete in all respect.   | Nos | 4.00 | 20800/-    | 83,200/-         |
| 5   | Wiring of power circuit from DB to first power socket with 2 x 1C-2.5 sq.mm + 1x 2.5 Sq.mm PVC wires in 25 mm dia PVC conduit complete in all respect.   | Nos | 4.00 | 20800/-    | 83,200/-         |
| <b>(D) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM</b> |  |     |      | <b>PKR</b> | <b>273,600/-</b> |

**SECTION-E**  
**SUPPLY, INSTALLATION, TESTING & COMMISSIONING**  
**SWITCHES, SOCKETS, OUTLET & ACCESSORIES**  
**Make - Ref. List of approved Manufacturers**

|   |   |     |      |        |          |
|---|---|-----|------|--------|----------|
| 1 | Following Switches etc. complete in all respect.      |     |      |        |          |
| a | 3 - Gang . (1-way)                                    | Nos | 4.00 | 2500/- | 10,000/- |
| b | 2 - Gang . (1-way) Weather Proof                      | Nos | 4.00 | 3000/- | 12000/-  |
| c | 13 A International Switch socket outlet               | Nos | 4.00 | 2500/- | 10,000/- |
| d | 13 A International Switch socket outlet Weather Proof | Nos | 4.00 | 2500/- | 10,000/- |



|  |  |     |        |         |           |
|--|--|-----|--------|---------|-----------|
| 2  | Following sizes M.S Back box for switches and sockets  |     |        |         |           |
| a  | 3x3 M.S Back Box   | Nos | 20.00  | 450/-   | 9000/-    |
| (E) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM                                     |  |     |        | PKR     | 51000/-   |
| <b>SECTION-F</b>   |  |     |        |         |           |
| <b>SUPPLY, INSTALLATION, TESTING &amp; COMMISSIONING LIGHT FIXTURES &amp; FANS</b> |  |     |        |         |           |
| Make - Ref. List of approved Manufacturers   |  |     |        |         |           |
| 1  | Following LED light fixtures complete in all respect.  |     |        |         |           |
| a  | LED Down Light Round Surface Type - 6500K - min. 12watt  | Nos | 8.00   | 2500/-  | 20,000/-  |
| b  | LED Flood Lights -6500K- min 100Watt with IP 65 Rating   | Nos | 8.00   | 11000/- | 88000/-   |
| 2  | Following Fans with complete accessories and hanging arrangements etc. complete in all respect.                                  |     |        |         |           |
| a  | Wall Mounted Bracket Fan 18"   | Nos | 4.00   | 13800/- | 55,200/-  |
| (F) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM                                     |  |     |        | PKR     | 163,200/- |
| <b>SECTION-G</b>   |  |     |        |         |           |
| <b>SUPPLY, INSTALLATION, TESTING &amp; COMMISSIONING CABLE &amp; CONDUIT</b>       |  |     |        |         |           |
| Make - Ref. List of approved Manufacturers   |  |     |        |         |           |
| 1  | Following size multicore Cu/PVC/PVC, including lugs, glands, termination kits, etc. complete in all respect as shown on drawing. |     |        |         |           |
| a  | 1x2C-6 Sqm Cu./PVC/PVC + 1C-6 Sq.mm Cu.PVC as ECC from Main DB to Watch Tower DB- 38 dia PVC conduit.                            | Rm  | 265.00 | 280/-   | 74,200/-  |
| 2  | Following size of PVC conduits complete in all respect   |     |        |         |           |
| a  | 38 mm dia.   | Rm  | 280.00 | 150/-   | 42000/-   |
| (G) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM                                     |  |     |        | PKR     | 116,200/- |

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**SECTION-H**  
**SUPPLY, INSTALLATION, TESTING & COMMISSIONING**  
**SWITCHBOARDS / DISTRIBUTION BOARDS**  
**Make - Ref. List of approved Manufacturers**

|   |  |     |      |            |                    |
|---|--|-----|------|------------|--------------------|
| 1   | Supply & Installation of the following distribution boards as per detail shown on drawing complete in all respect. |     |      |            |                    |
| a   | DB - Watch Tower 1- Outdoor Rating Min IP52  | Nos | 1.00 | 19800/-    | 19800/-            |
| b   | DB - Watch Tower 2- Outdoor Rating Min IP52  | Nos | 1.00 | 19800/-    | 19800/-            |
| c   | DB - Watch Tower 3- Outdoor Rating Min IP52  | Nos | 1.00 | 19800/-    | 19800/-            |
| d   | DB - Watch Tower 4- Outdoor Rating Min IP52  | Nos | 1.00 | 19800/-    | 19800/-            |
| <b>(H) TOTAL AMOUNT OF NON - SCHEDULED BASED ITEM</b> |  |     |      | <b>PKR</b> | <b>79,200/-</b>    |
| <b>Gross Amount of (A+B+C+D+E+F+G+H)</b>              |  |     |      | <b>PKR</b> | <b>5,371,639/-</b> |
| <b>Add 15% SRB On Gross Amount</b>                    |  |     |      | <b>PKR</b> | <b>805,745.8</b>   |
| <b>Grand Total (A+B+C+D+E+F+G+H) With SRB</b>         |  |     |      | <b>PKR</b> | <b>6,177,384.8</b> |
| <b>Bid Security 2% of Grand Total</b>                 |  |     |      | <b>PKR</b> | <b>124,000/-</b>   |

**Grand Total Amount of A+B+C+D+E+F+G+H in Words:**

**Rupees:** \_\_\_\_\_

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