

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES  
UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman  
Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrata Utman Khel, Lara Daga  
Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02**

**BILL OF QUANTITIES**

**SUMMARY OF COST**

| <b>Sr.No</b> | <b>Name of Scheme</b>             | <b>Amount (Rs.)</b> |
|--------------|-----------------------------------|---------------------|
| 1            | DWSS Kandaro Utman Khel           |                     |
| 2            | DWSS Badi Zaghan Utman Khel       |                     |
| 3            | DWSS Chargorai Salarzai           |                     |
| 4            | DWSS Bandagai Shukrata Utman Khel |                     |
| 5            | DWSS Lara Dagai Salarzai          |                     |
| 6            | E&S Compliance                    |                     |
|              | <b>Total Cost (Rs.)</b>           |                     |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES  
UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro  
Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrata Utman Khel,  
Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Kandaro Utman Khel)**

**BILL OF QUANTITIES**

**SUMMARY**

| <b>Bill No.</b> | <b>Description</b>   | <b>Amount (Rs.)</b> |
|-----------------|--|---------------------|
| 1               | Civil Work for Pump Chamber Dismantling, Boundary Wall, Surface Tank & Solar Yard. |                     |
| 2               | Rising Man & Distribution Repair / Replacement & Construction of Valve Chamber     |                     |
| 3               | Electrical Work for Pump Chamber   |                     |
| 4               | Construction of Pump Chamber   |                     |
|                 | <b>Total Cost Rs.</b>  |                     |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Kandaro Utman Khel)**

**BILL OF QUANTITIES**

| <b>Bill No.1 CIVIL WORKS FOR PUMP CHAMBER DISMANTLING , BOUNDARY WALL, SURFACE TANK &amp; SOLAR YARD</b> |              |  |      |                            |                  |          |               |
|--|--------------|--|------|----------------------------|------------------|----------|---------------|
| S.No   | MRS 2025 B-I | Description  | Unit | Quantity                   | Unit Rate (PKRs) |          | Amount (PKRs) |
|  |              |  |      |                            | In Figure        | In Words |               |
| 1  | 04-13.       | Dismantling brick work in lime or cement mortar  | Cum  | 12.10                      |                  |          |               |
| 2  | 04-17.       | Dismantling lime concrete  | Cum  | 1.42                       |                  |          |               |
| 3  | 04-19-e      | Dismantling : DPC of cement concrete 1.5" thick and clearing the site  | Sqm  | 3.00                       |                  |          |               |
| 4  | 04-20-a      | Dismantling RCC, separating reinforcement, cleaning & straightening the same   | Cum  | 1.87                       |                  |          |               |
| 5  | 04-22-a      | Dismantling 1st class tile roofing   | Sqm  | 9.29                       |                  |          |               |
| 6  | 11-09-b      | Cement plaster 1:4, upto 20' height 1/2" thick   | Sqm  | 8.36                       |                  |          |               |
| 7  | 06-05-f      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)  | Cum  | 2.00                       |                  |          |               |
| 8  | 13-02-c-01   | Painting old surfaces : Doors / windows any type First coat  | Sqm  | 14.87                      |                  |          |               |
| 9  | 13-02-c-02   | Painting old surfaces : Doors / windows any type Each subsequent coat  | Sqm  | 14.87                      |                  |          |               |
| 10   | 11-23-b-02   | White washing: Old surface : Two coats on B/Wall   | Sqm  | 41.26                      |                  |          |               |
| 11   | 11-29.       | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks   | Sqm  | 111.35                     |                  |          |               |
| 12   | 25-43        | Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects. | Mtr  | 45.11                      |                  |          |               |
| 13   | 10-41-a-01   | Mosaic dado or skirting complete as per specs Using grey cement : 3/8" thick   | Sqm  | 100.52                     |                  |          |               |
| 14   | 11-18-b      | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3   | Sqm  | 45.80                      |                  |          |               |
| 15   | 03-67-d      | Structural Backfill using Granular Material brought from outside   | Cum  | 4.71                       |                  |          |               |
| 16   | 06-02.       | Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)  | Cum  | 5.89                       |                  |          |               |
| 17   | 06-05-i      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)  | Cum  | 2.83                       |                  |          |               |
| 18   | 10-49-f      | Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)   | Sqm  | 37.17                      |                  |          |               |
| 19   | 03-21-b      | Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches  | Cum  | 6.37                       |                  |          |               |
| 20   | 24-13-b      | Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications  | Hour | 9.00                       |                  |          |               |
| 21   | 27-18-b      | Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)   | Rft  | 240.00                     |                  |          |               |
| 22   | 25-45-a      | Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete (2' x 2' Roof Cover)  | Sqm  | 0.58                       |                  |          |               |
|  |              |  |      | <b>Total Rs.</b>           |                  |          |               |
|  |              |  |      | <b>Add 8% Area Factor</b>  |                  |          |               |
|  |              |  |      | <b>G. Total Amount Rs.</b> |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur

Contract Package : BJ-CW-R-02 (DWSS Kandaro Utman Khel)

**BILL OF QUANTITIES**

| Bill No.1 CIVIL WORKS FOR PUMP CHAMBER DISMANTLING , BOUNDARY WALL, SURFACE TANK & SOLAR YARD |              |  |      |          |                  |          |                                     |  |
|---|--------------|--|------|----------|------------------|----------|-------------------------------------|--|
| S.No  | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs)                       |  |
|   |              |  |      |          | In Figure        | In Words |                                     |  |
| Non Schedule Item   |              |  |      |          |                  |          |                                     |  |
| 23  | NSI          | Providing, Furnishing, Analysing, recommendations and reports generation/submission (hard and soft copy) for existsting tube wells complete in all respects as directed by the Engineer Incharge and as per below details:<br><br>Video Logging/Recording video imaging of well (Through Borehole Inspection Camera) Max depth upto 200 m. Job includes (Data collection, visit to the site, preparing a complete report with proposals in view of structural and hydraulic issues.<br><br>Note: Pump if installed, must be extracted one day before performing video logging. | Job  | 1        |                  |          |                                     |  |
|   |              |  |      |          |                  |          | <b>G.Total Amount Rs. (N.S.I)</b>   |  |
|   |              |  |      |          |                  |          | <b>Grand Total Rs (S.I + N.S.I)</b> |  |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Kandaro Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.2: RISING MAN & DISTRIBUTION REPAIR / REPLACEMENT**

| S.No                                 | MRS 2025 B-I | Description   | Unit  | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|--------------------------------------|--------------|---|-------|----------|------------------|----------|---------------|
|                                      |              |   |       |          | In Figure        | In Words |               |
| 1                                    | 03-51.       | Excavation of trench in all kinds of soils except cutting in rock for pilelines upto 1.5m depth   | Cum   | 1795.40  |                  |          |               |
| 2                                    | 07-30'       | Supplying and filling sand under floor or plugging in wells   | Cum   | 149.62   |                  |          |               |
| 3                                    | 03-67-c      | Structural backfill using Common Material available at site   | Cum   | 1496.17  |                  |          |               |
| 4                                    | 24-24-a-03   | Providing and fixing of air valve of BSS quality and weight BS 1074 complete with jointing material single air valve 3" (75mm ) dia   | Each  | 1.00     |                  |          |               |
| 5                                    | 24-22-a-01   | Providing and Fixing of Sluice valve of BSS quality (BS 5163) for GI, PVC, MS , HDPE and also for all type of pipes i/c rubber sheet , jointing material complete in all respect PN-16, 3" (75 mm) dia of Valve   | Each  | 1.00     |                  |          |               |
| 6                                    | 27-51        | Replacing of pressure gauge 0 to 500  | No    | 1.00     |                  |          |               |
|                                      |              | Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with excavated material etc: complete in all respect of the following sizes. |       |          |                  |          |               |
| 7                                    | 24-52-c      | 3" (75 mm) dia  | Each  | 4.00     |                  |          |               |
|                                      |              | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.  |       |          |                  |          |               |
| 8                                    | 24-30-b-02   | (25 mm dia) PN-10   | Mtr   | 604.00   |                  |          |               |
| 9                                    | 24-30-b-04   | (40 mm dia) PN-10   | Mtr   | 1103.00  |                  |          |               |
| 10                                   | 24-30-b-05   | (50 mm dia) PN-10   | Mtr   | 2147.00  |                  |          |               |
| 11                                   | 24-30-b-07   | (75 mm dia) PN-10   | Mtr   | 441.00   |                  |          |               |
|                                      |              | Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality ) including specials etc.Complete as per specifications except excavation.   |       |          |                  |          |               |
| 12                                   | 24-16-c-08   | 3" Nominal Pipe Size (NPS)  | Mtr   | 37.67    |                  |          |               |
| <b>CONSTRUCTION OF VALVE CHAMBER</b> |              |   |       |          |                  |          |               |
| 13                                   | 03-25-d      | Excavation in foundation of building, bridges etc complete : in shingle/gravel  | Cum   | 6.34     |                  |          |               |
| 14                                   | 06-05-i      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)   | Cum   | 0.60     |                  |          |               |
| 15                                   | 07-04-a-03   | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4  | Cum   | 3.31     |                  |          |               |
| 16                                   | 11-09-b      | Cement plaster 1:4 upto 20' height 1/2" thick   | Sqm   | 14.50    |                  |          |               |
| 17                                   | 24-33-d      | Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 24" (600 mm) dia.  | Each  | 4.00     |                  |          |               |
| 18                                   | 06-07-a-03   | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)   | Cum   | 0.48     |                  |          |               |
| 19                                   | 06-08-b      | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)   | Tonne | 0.06     |                  |          |               |
| 20                                   | 06-47-c      | Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal  | Sqm   | 5.95     |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur

Contract Package : BJ-CW-R-02 (DWSS Kandaro Utman Khel)

**BILL OF QUANTITIES**

| Bill No.2: RISING MAN & DISTRIBUTION REPAIR / REPLACEMENT |              |   |      |          |                  |          |               |
|---|--------------|---|------|----------|------------------|----------|---------------|
| S.No  | MRS 2025 B-I | Description   | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|   |              |   |      |          | In Figure        | In Words |               |
| <b>Sub Total Rs.</b>                                      |              |   |      |          |                  |          |               |
| <b>Add 8% Area Factor</b>                                 |              |   |      |          |                  |          |               |
| <b>G. Total Amount Rs.</b>                                |              |   |      |          |                  |          |               |
| <b>Non Schedule Items</b>                                 |              |   |      |          |                  |          |               |
| 21  | NSI          | Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).  | Each | 1.00     |                  |          |               |
| 22  | NSI          | Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).  | Each | 1.00     |                  |          |               |
| 23  | NSI          | Providing, fixing, commissioning & testing of Hypo Chlorinator (make Etatraon Italy (Digital) or equivalent) consisting of multifunction dosing pump having capacity of 5 Liter/hour and operating pressure of 5 bar, having standard power supply of 230V A.C , 50 -60 Hz single phase, Insulation protection rating of IP65, complete with all accessories like injection valve, suction hose, discharge hose, valves, PKXMA/AL model, level switch, dosing tank to be installed complete in all respect with Sodium hypochlorite liquid. | Each | 1.00     |                  |          |               |
| <b>G.Total Amount Rs. (N.S.I)</b>                         |              |   |      |          |                  |          |               |
| <b>Grand Total Rs (S.I + N.S.I)</b>                       |              |   |      |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargarai Salarzai, Bandagai Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Kandaro Utman Khel)**

**BILL OF QUANTITIES**

**Bill No. 3 ELECTRICAL WORK FOR PUMP CHAMBER**

| S.No                       | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|----------------------------|--------------|--|------|----------|------------------|----------|---------------|
|                            |              |  |      |          | In Figure        | In Words |               |
| <b>Schedule Items</b>      |              |  |      |          |                  |          |               |
| 1                          | 15-50        | Wiring of light/fan/call-bell point in 3/0.029" PVC insulated bare cable in PVC pipe recessed  | Each | 4        |                  |          |               |
| 2                          | 15-68-f      | Supply and Fixing of 24" dia Direct axial Wall Bracket fan,1450Rpm, Max 50db sound level Fan shall be made with 99% purity Copper windings   | Each | 1        |                  |          |               |
| 3                          | 15-46        | Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood   | Each | 1        |                  |          |               |
| 4                          | 15-15        | Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder  | Each | 1        |                  |          |               |
| 5                          | 15-11-a-02   | Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp  | Each | 1        |                  |          |               |
| 6                          | 15-127-f     | Supply at site, installation, testing and commissioning of Six gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects. | Each | 1        |                  |          |               |
| 7                          | 26-01-c-06   | Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)   | No   | 2        |                  |          |               |
| 8                          | 15-79-c      | PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete   | Mtr  | 40       |                  |          |               |
| <b>Sub Total Rs.</b>       |              |  |      |          |                  |          |               |
| <b>Add 8% Area Factor</b>  |              |  |      |          |                  |          |               |
| <b>G. Total Amount Rs.</b> |              |  |      |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Kandaro Utman Khel)**

**BILL OF QUANTITIES**

**Bill No. 4: Construction of Pump Chamber**

| S.No                          | MRS 2025 B-I | Description   | Unit  | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|-------------------------------|--------------|---|-------|----------|------------------|----------|---------------|
|                               |              |   |       |          | In Figure        | In Words |               |
| 1                             | 03-25-d      | Excavation in foundation of building, bridges etc complete : in shingle/gravel  | Cum   | 5.95     |                  |          |               |
| 2                             | 03-67-c      | Structural backfill using Common Material available at site   | Cum   | 1.78     |                  |          |               |
| 3                             | 06-05-i      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)   | Cum   | 3.79     |                  |          |               |
| 4                             | 07-04-a-03   | 1st class brick work in foundation and plinth in Cement, sand mortar 1:3  | Cum   | 2.06     |                  |          |               |
| 5                             | 06-.02       | Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage  | Cum   | 1.42     |                  |          |               |
| 6                             | 06-26-a-02   | Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 1 coat bitumen (2" thick                              | Sqm   | 3.00     |                  |          |               |
| 7                             | 07-05-a-03   | 1st class brick work in ground floor Cement, sand mortar 1:4  | Cum   | 10.60    |                  |          |               |
| 8                             | 06-07-a-03   | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)   | Cum   | 3.03     |                  |          |               |
| 9                             | 06-08-b      | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)   | Tonne | 0.33     |                  |          |               |
| 10                            | 11-09-b      | Cement plaster 1:4 upto 20' height 1/2" thick   | Sqm   | 55.68    |                  |          |               |
| 11                            | 11-23-a-03   | White washing: New surface : Three coats  | Sqm   | 81.78    |                  |          |               |
| 12                            | 11-18-b      | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3  | Sqm   | 38.48    |                  |          |               |
| 13                            | 11-.29       | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks  | Sqm   | 37.17    |                  |          |               |
| 14                            | 06-05-f      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)   | Cum   | 1.32     |                  |          |               |
| 15                            | 10-47-d      | Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels   | Mtr   | 39.01    |                  |          |               |
| 16                            | 25-45-a      | Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges,paint etc complete                       | Sqm   | 4.28     |                  |          |               |
| 17                            | 09-.01       | First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete                                       | Sqm   | 9.29     |                  |          |               |
| 18                            | 25-46        | Erection of Steel Girder 3"x6"x3/16" (Commercial size) including fitting in position  | Mtr   | 3.66     |                  |          |               |
| 19                            | 25-45-a      | Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete (2' x 2' Roof Cover) | Sqm   | 0.37     |                  |          |               |
| 20                            | 24-18-a-01   | UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS)   | Mtr   | 3.66     |                  |          |               |
| 21                            | 06-47-c      | Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal    | Sqm   | 12.60    |                  |          |               |
| <b>SUB TOTAL</b>              |              |   |       |          |                  |          |               |
| <b>Add 8% Location factor</b> |              |   |       |          |                  |          |               |
| <b>TOTAL AMOUNT RS.</b>       |              |   |       |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEME  
UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro  
Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrata Utman  
Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Badi Zaghan Utman Khel)**

**BILL OF QUANTITIES**

**SUMMARY**

| <b>Bill No.</b> | <b>Description</b>   | <b>Amount (Rs.)</b> |
|-----------------|--|---------------------|
| 1               | Civil Work Repair Pump Chamber, Chowkidar Hut ,Boundary Wall & Surface Tank    |                     |
| 2               | Rising Man & Distribution Repair / Replacement & Construction of Valve Chamber |                     |
| 3               | Electrical Work for Pump Chamber & Chowkidar Hut                               |                     |
|                 | <b>Total Cost Rs.</b>  |                     |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Badi Zaghan Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.1. CIVIL WORKS - REPAIR PUMP CHAMBER ,CHOWKIDAR HUT, BOUNDARY WALL & SURFACE TANK**

| S.No | MRS 2025 B-I | Description  | Unit  | Quantity | Unit Rate (PKRs)           |          | Amount (PKRs) |
|------|--------------|--|-------|----------|----------------------------|----------|---------------|
|      |              |  |       |          | In Figure                  | In Words |               |
| 1    | 04-20-a      | Dismantling RCC, separating reinforcement, cleaning & straightening the same   | Cum   | 3.60     |                            |          |               |
| 2    | 11-09-b      | Cement plaster 1:4, upto 20' height 1/2" thick   | Sqm   | 55.09    |                            |          |               |
| 3    | 11-18-b      | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3   | Sqm   | 5.58     |                            |          |               |
| 4    | 06-05-f      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)  | Cum   | 2.22     |                            |          |               |
| 5    | 06-07-a-03   | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)  | Cum   | 3.60     |                            |          |               |
| 6    | 06-08-b      | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)  | Tonne | 0.50     |                            |          |               |
| 7    | 06-47-c      | Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal | Sqm   | 23.64    |                            |          |               |
| 8    | 13-02-c-01   | Painting old surfaces : Doors / windows any type First coat  | Sqm   | 53.35    |                            |          |               |
| 9    | 11-23-b-02   | White washing: Old surface : Two coats   | Sqm   | 178.44   |                            |          |               |
| 10   | 11-23-a-02   | White washing: New surface : Two coats   | Sqm   | 11.90    |                            |          |               |
| 11   | 11-29.       | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks   | Sqm   | 86.99    |                            |          |               |
| 12   | 10-41-a-01   | Mosaic dado or skirting complete as per specs Using grey cement : 3/8" thick   | Sqm   | 65.66    |                            |          |               |
| 13   | 25-46        | Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position   | Mtr   | 3.66     |                            |          |               |
| 14   | 24-33-d      | Supplying and fixing, cast iron manhole cover with frame, etc. (Heavy Type) of approved quality complete. 24" (600 mm) dia.          | EACH  | 1.00     |                            |          |               |
| 15   | 09-01.       | First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete                                    | Sqm   | 40.15    |                            |          |               |
|      |              |  |       |          | <b>Total Rs.</b>           |          |               |
|      |              |  |       |          | <b>Add 8% Area Factor</b>  |          |               |
|      |              |  |       |          | <b>G. Total Amount Rs.</b> |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Badi Zaghan Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.2. RISING MAN & DISTRIBUTION REPAIR / REPLACEMENT**

| S.No                                 | MRS 2025 B-I | Description   | Unit  | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|--------------------------------------|--------------|---|-------|----------|------------------|----------|---------------|
|                                      |              |   |       |          | In Figure        | In Words |               |
| 1                                    | 03-51.       | Excavation of trench in all kinds of soils except cutting in rock for pilelines upto 1.5m depth   | Cum   | 1590.15  |                  |          |               |
| 2                                    | 07-30'       | Supplying and filling sand under floor or plugging in wells (Under Pipe)  | Cum   | 132.51   |                  |          |               |
| 3                                    | 03-67-c      | Structural backfill using Common Material available at site   | Cum   | 1325.12  |                  |          |               |
| 4                                    | 24-24-a-03   | Providing and fixing of air valve of BSS quality and weight BS 1074 complete with jointing material single air valve 3" (75mm ) dia   | Each  | 1.00     |                  |          |               |
| 5                                    | 24-22-a-01   | Providing and Fixing of Sluice valve of BSS quality (BS 5163) for GI, PVC, MS , HDPE and also for all type of pipes i/c rubber sheet , jointing material complete in all respect PN-16, 3" (75 mm) dia of Valve   | Each  | 1.00     |                  |          |               |
| 6                                    | 27-51        | Replacing of pressure gauge 0 to 500  | No    | 1.00     |                  |          |               |
|                                      |              | Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with excavated material etc: complete in all respect of the following sizes. |       |          |                  |          |               |
| 7                                    | 24-52-b      | 4" (75 mm) dia  | Each  | 8.00     |                  |          |               |
| 8                                    | 24-52-c      | 3" (50 mm) dia  | Each  | 6.00     |                  |          |               |
|                                      |              | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.  |       |          |                  |          |               |
| 9                                    | 24-30-b-02   | (25mm dia) PN-10  | Mtr   | 746.00   |                  |          |               |
| 10                                   | 24-30-b-04   | (40mm dia) PN-10  | Mtr   | 1261.00  |                  |          |               |
| 11                                   | 24-30-b-05   | (50mm dia) PN-10  | Mtr   | 902.00   |                  |          |               |
| 12                                   | 24-30-b-06   | (63mm dia) PN-10  | Mtr   | 842.00   |                  |          |               |
| 13                                   | 24-30-b-09   | (110mm dia) PN-10   | Mtr   | 53.00    |                  |          |               |
|                                      |              | Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality ) including specials etc.Complete as per specifications except excavation.   |       |          |                  |          |               |
| 14                                   | 24-16-c-09   | 4" Nominal Pipe Size (NPS)  | Mtr   | 53       |                  |          |               |
| 15                                   | 24-16-c-08   | 3" Nominal Pipe Size (NPS)  | Mtr   | 16       |                  |          |               |
| <b>CONSTRUCTION OF VALVE CHAMBER</b> |              |   |       |          |                  |          |               |
| 16                                   | 03-25-d      | Excavation in foundation of building, bridges etc complete : in shingle/gravel  | Cum   | 3.17     |                  |          |               |
| 17                                   | 06-05-i      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)   | Cum   | 0.30     |                  |          |               |
| 18                                   | 07-04-a-03   | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4  | Cum   | 1.66     |                  |          |               |
| 19                                   | 11-09-b      | Cement plaster 1:4 upto 20' height 1/2" thick   | Sqm   | 7.25     |                  |          |               |
| 20                                   | 24-33-d      | Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 24" (600 mm) dia   | Each  | 2.00     |                  |          |               |
| 21                                   | 06-07-a-03   | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)   | Cum   | 0.24     |                  |          |               |
| 22                                   | 06-08-b      | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)   | Tonne | 0.03     |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Badi Zaghan Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.2. RISING MAN & DISTRIBUTION REPAIR / REPLACEMENT**

| S.No                                | MRS 2025 B-I | Description   | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|-------------------------------------|--------------|---|------|----------|------------------|----------|---------------|
|                                     |              |   |      |          | In Figure        | In Words |               |
| 23                                  | 06-47-c      | Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal  | Sqm  | 2.97     |                  |          |               |
| <b>Sub Total Rs.</b>                |              |   |      |          |                  |          |               |
| <b>Add 8% Area Factor</b>           |              |   |      |          |                  |          |               |
| <b>G. Total Amount Rs.</b>          |              |   |      |          |                  |          |               |
| <b>Non Schedule Items</b>           |              |   |      |          |                  |          |               |
| 24                                  | NSI          | Supply & Erection of Pressure Guage 100 mm Dia Vacuum Upto 350 psi Complete In all respects (Digital).  | Each | 1        |                  |          |               |
| 25                                  | NSI          | Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).  | Each | 1        |                  |          |               |
| 26                                  | NSI          | Providing, fixing, commissioning & testing of Hypo Chlorinator (make Etatraon Italy (Digital) or equivalent) consisting of multifunction dosing pump having capacity of 5 Liter/hour and operating pressure of 5 bar, having standard power supply of 230V A.C , 50 -60 Hz single phase, Insulation protection rating of IP65, complete with all accessories like injection valve, suction hose, discharge hose, valves, PKXMA/AL model, level switch, dosing tank to be installed complete in all respect with Sodium hypochlorite liquid. | Each | 1        |                  |          |               |
| <b>G.Total Amount Rs. (N.S.I)</b>   |              |   |      |          |                  |          |               |
| <b>Grand Total Rs (S.I + N.S.I)</b> |              |   |      |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Badi Zaghan Utman Khel)**

**BILL OF QUANTITIES**

**Bill No. 3 ELECTRICAL WORK FOR PUMP CHAMBER & CHOWKIDAR HUT**

| S.No                       | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|----------------------------|--------------|--|------|----------|------------------|----------|---------------|
|                            |              |  |      |          | In Figure        | In Words |               |
| <b>Schedule Items</b>      |              |  |      |          |                  |          |               |
| 1                          | 15-50        | Wiring of light/fan/call-bell point in 3/0.029" PVC insulated bare cable in PVC pipe recessed  | Each | 6        |                  |          |               |
| 2                          | 15-68-c      | Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" sweep   | Each | 1        |                  |          |               |
| 3                          | 15-46        | Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood   | Each | 2        |                  |          |               |
| 4                          | 15-15        | Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder  | Each | 2        |                  |          |               |
| 5                          | 15-11-a-02   | Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp  | Each | 1        |                  |          |               |
| 6                          | 15-127-f     | Supply at site, installation, testing and commissioning of Six gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects. | Each | 2        |                  |          |               |
| 7                          | 26-01-c-06   | Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)   | No   | 4        |                  |          |               |
| 8                          | 15-79-c      | PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete   | Mtr  | 30       |                  |          |               |
| 9                          | 15-172       | Supply and installation of Fan dimmer switch   | Each | 1        |                  |          |               |
| <b>Sub Total Rs.</b>       |              |  |      |          |                  |          |               |
| <b>Add 8% Area Factor</b>  |              |  |      |          |                  |          |               |
| <b>G. Total Amount Rs.</b> |              |  |      |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES  
UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utma  
Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrata Utman Khel, Lara  
Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Chargorai Salarzai)**

**BILL OF QUANTITIES**

**SUMMARY**

| <b>Bill No.</b> | <b>Description</b>  | <b>Amount (Rs.)</b> |
|-----------------|---|---------------------|
| 1               | Civil Works for Pump Chamber, Chowkidar Hut, Boundary Wall & Storage Tank             |                     |
| 2               | Rising Man & Distribution System Repair / Replacement & Construction of Valve Chamber |                     |
| 3               | Electrical work for Pump Chamber & Chowkidar Hut                                      |                     |
|                 | <b>Total Cost Rs.</b>   |                     |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Chargorai Salarzai)**

**BILL OF QUANTITIES**

**Bill No.1. CIVIL WORKS - FOR PUMP CHAMBER, CHOWKIDAR HUT, BOUNDARY WALLS & STORAGE TANK**

| S.No | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs)           |          | Amount (PKRs) |
|------|--------------|--|------|----------|----------------------------|----------|---------------|
|      |              |  |      |          | In Figure                  | In Words |               |
| 1    | 04-13.       | Dismantling brick work in lime or cement mortar  | Cum  | 1.15     |                            |          |               |
| 2    | 11-09-b      | Cement plaster 1:4, upto 20' height 1/2" thick   | Sqm  | 37.92    |                            |          |               |
| 3    | 07-05-a-03   | 1st class brick work in ground floor Cement, sand mortar 1:4   | Cum  | 1.15     |                            |          |               |
| 4    | 11-18-b      | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3   | Sqm  | 10.04    |                            |          |               |
| 5    | 06-05-f      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)  | Cum  | 1.36     |                            |          |               |
| 6    | 09-.01       | First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete  | Sqm  | 40.15    |                            |          |               |
| 7    | 11-21-b-02   | Distempering Old surface : Two coats   | Sqm  | 122.49   |                            |          |               |
| 8    | 13-02-c-01   | Painting old surfaces : Doors / windows any type First coat  | Sqm  | 43.68    |                            |          |               |
| 9    | 13-02-c-02   | Painting old surfaces : Doors / windows any type Each subsequent coat  | Sqm  | 43.68    |                            |          |               |
| 10   | 11-23-b-02   | White washing: Old surface : Two coats   | Sqm  | 184.57   |                            |          |               |
| 11   | 11-.29       | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks   | Sqm  | 205.76   |                            |          |               |
| 12   | 24-18-a-01   | Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured ) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS) | Mtr  | 7.31     |                            |          |               |
| 13   | 25-43        | Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.   | Mtr  | 89.61    |                            |          |               |
| 14   | 25-46        | Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position   | Mtr  | 3.66     |                            |          |               |
| 15   | 24-13-b      | Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications  | Hour | 9.00     |                            |          |               |
| 16   | 27-18-b      | Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)   | Rft  | 170.00   |                            |          |               |
| 17   | 10-41-a-01   | Mosaic dado or skirting complete as per specs Using grey cement : 3/8" thick   | Sqm  | 35.02    |                            |          |               |
| 18   | 25-45-a      | Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete (2' x 2' Roof Cover)  | Sqm  | 0.58     |                            |          |               |
|      |              |  |      |          | <b>Total Rs.</b>           |          |               |
|      |              |  |      |          | <b>Add 8% Area Factor</b>  |          |               |
|      |              |  |      |          | <b>G. Total Amount Rs.</b> |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur

Contract Package : BJ-CW-R-02 (DWSS Chargorai Salarzai)

**BILL OF QUANTITIES**

Bill No.1. **CIVIL WORKS - FOR PUMP CHAMBER, CHOWKIDAR HUT, BOUNDARY WALLS & STORAGE TANK**

| S.No                      | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs)                       |  |
|---------------------------|--------------|--|------|----------|------------------|----------|-------------------------------------|--|
|                           |              |  |      |          | In Figure        | In Words |                                     |  |
| <b>Non Schedule Items</b> |              |  |      |          |                  |          |                                     |  |
| 19                        | NSI          | Providing, Furnishing, Analysing, recommendations and reports generation/submission (hard and soft copy) for existsting tube wells complete in all respects as directed by the Engineer Incharge and as per below details:<br><br>Video Logging/Recording video imaging of well (Through Borehole Inspection Camera) Max depth upto 200 m. Job includes (Data collection, visit to the site, preparing a complete report with proposals in view of structural and hydraulic issues.<br><br>Note: Pump if installed, must be extracted one day before performing video logging. | Job  | 1        |                  |          |                                     |  |
|                           |              |  |      |          |                  |          | <b>G.Total Amount Rs. (N.S.I)</b>   |  |
|                           |              |  |      |          |                  |          | <b>Grand Total Rs (S.I + N.S.I)</b> |  |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Chargorai Salarzai)**

**BILL OF QUANTITIES**

**Bill No.2 RISING MAN & DISTRIBUTION SYSTEM REPAIR / REPLACEMENT**

| S.No                                 | MRS 2025 B-I | Description   | Unit  | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|--------------------------------------|--------------|---|-------|----------|------------------|----------|---------------|
|                                      |              |   |       |          | In Figure        | In Words |               |
| 1                                    | 03-51.       | Excavation of trench in all kinds of soils except cutting in rock for pipelines upto 1.5m depth   | Cum   | 558.89   |                  |          |               |
| 2                                    | 07-30'       | Supplying and filling sand under floor or plugging in wells (Under Pipe)  | Cum   | 46.57    |                  |          |               |
| 3                                    | 03-67-c      | Structural backfill using Common Material available at site   | Cum   | 465.75   |                  |          |               |
| 4                                    | 24-24-a-03   | Providing and fixing of air valve of BSS quality and weight BS 1074 complete with jointing material single air valve 3" (75mm ) dia   | Each  | 1.00     |                  |          |               |
| 5                                    | 24-22-a-01   | Providing and Fixing of Sluice valve of BSS quality (BS 5163) for GI, PVC, MS , HDPE and also for all type of pipes i/c rubber sheet , jointing material complete in all respect PN-16, 3" (75 mm) dia of Valve   | Each  | 1.00     |                  |          |               |
| 6                                    | 27-51        | Replacing of pressure gauge 0 to 500  | No    | 1.00     |                  |          |               |
|                                      |              | Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with excavated material etc: complete in all respect of the following sizes. |       |          |                  |          |               |
| 7                                    | 24-52-c      | 3" (75 mm) dia  | Each  | 5.00     |                  |          |               |
|                                      |              | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.  |       |          |                  |          |               |
| 8                                    | 24-30-b-02   | (25 mm dia) PN-10   | Mtr   | 652.00   |                  |          |               |
| 9                                    | 24-30-b-04   | (40 mm dia) PN-10   | Mtr   | 450.00   |                  |          |               |
| 10                                   | 24-30-b-05   | (50 mm dia) PN-10   | Mtr   | 235.00   |                  |          |               |
|                                      |              | Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality ) including specials etc.Complete as per specifications except excavation.   |       |          |                  |          |               |
| 11                                   | 24-16-c-06   | 2" Nominal Pipe Size (NPS)  | Mtr   | 2.62     |                  |          |               |
| 12                                   | 24-16-c-08   | 3" Nominal Pipe Size (NPS)  | Mtr   | 43.45    |                  |          |               |
| <b>CONSTRUCTION OF VALVE CHAMBER</b> |              |   |       |          |                  |          |               |
| 13                                   | 03-25-d      | Excavation in foundation of building, bridges etc complete : in shingle/gravel  | Cum   | 4.76     |                  |          |               |
| 14                                   | 06-05-i      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)   | Cum   | 0.45     |                  |          |               |
| 15                                   | 07-04-a-03   | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4  | Cum   | 2.48     |                  |          |               |
| 16                                   | 11-09-b      | Cement plaster 1:4 upto 20' height 1/2" thick   | Sqm   | 10.87    |                  |          |               |
| 17                                   | 24-33-d      | Supplying and fixing, cast iron manhole cover with frame, etc. (Heavy Type) of approved quality complete. 24" (600 mm) dia.   | Each  | 3.00     |                  |          |               |
| 18                                   | 06-07-a-03   | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)   | Cum   | 0.36     |                  |          |               |
| 19                                   | 06-08-b      | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)   | Tonne | 0.05     |                  |          |               |
| 20                                   | 06-47-c      | Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal  | Sqm   | 4.46     |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Chargorai Salarzai)**

**BILL OF QUANTITIES**

**Bill No.2 RISING MAN & DISTRIBUTION SYSTEM REPAIR / REPLACEMENT**

| S.No                                | MRS 2025 B-I | Description   | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|-------------------------------------|--------------|---|------|----------|------------------|----------|---------------|
|                                     |              |   |      |          | In Figure        | In Words |               |
| <b>Sub Total Rs.</b>                |              |   |      |          |                  |          |               |
| <b>Add 8% Area Factor</b>           |              |   |      |          |                  |          |               |
| <b>G. Total Amount Rs.</b>          |              |   |      |          |                  |          |               |
| <b>Non Schedule Items</b>           |              |   |      |          |                  |          |               |
| 21                                  | NSI          | Supply & Erection of Pressure Guage 100 mm Dia Vacuum Upto 350 psi Complete In all respects (Digital).  | Each | 1.00     |                  |          |               |
| 22                                  | NSI          | Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).  | Each | 1.00     |                  |          |               |
| 23                                  | NSI          | Providing, fixing, commissioning & testing of Hypo Chlorinator (make Etatraon Italy (Digital) or equivalent) consisting of multifunction dosing pump having capacity of 5 Liter/hour and operating pressure of 5 bar, having standard power supply of 230V A.C , 50 -60 Hz single phase, Insulation protection rating of IP65, complete with all accessories like injection valve, suction hose, discharge hose, valves, PKXMA/AL model, level switch, dosing tank to be installed complete in all respect with Sodium hypochlorite liquid. | Each | 1.00     |                  |          |               |
| <b>G.Total Amount Rs. (N.S.I)</b>   |              |   |      |          |                  |          |               |
| <b>Grand Total Rs (S.I + N.S.I)</b> |              |   |      |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur

Contract Package : BJ-CW-R-02 (DWSS Chargorai Salarzai)

**BILL OF QUANTITIES**

**Bill No.3 ELECTRICAL WORK FOR PUMP CHAMBER & CHOWKIDAR HUT**

| S.No                       | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|----------------------------|--------------|--|------|----------|------------------|----------|---------------|
|                            |              |  |      |          | In Figure        | In Words |               |
| 1                          | 15-50        | Wiring of light/fan/call-bell point in 3/0.029" PVC insulated bare cable in PVC pipe recessed  | Each | 6        |                  |          |               |
| 2                          | 15-46        | Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood   | Each | 2        |                  |          |               |
| 3                          | 15-15        | Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder  | Each | 2        |                  |          |               |
| 4                          | 15-11-a-02   | Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp  | Each | 1        |                  |          |               |
| 5                          | 15-127-f     | Supply at site, installation, testing and commissioning of Six gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects. | Each | 2        |                  |          |               |
| 6                          | 26-01-c-06   | Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)   | No   | 4        |                  |          |               |
| 7                          | 15-79-c      | PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete   | Mtr  | 40       |                  |          |               |
| <b>Sub Total Rs.</b>       |              |  |      |          |                  |          |               |
| <b>Add 8% Area Factor</b>  |              |  |      |          |                  |          |               |
| <b>G. Total Amount Rs.</b> |              |  |      |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEME  
UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro  
Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrata Utman  
Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Bandagai Shukrata Utman Khel)**

**BILL OF QUANTITIES**

**SUMMARY**

| <b>Bill No.</b> | <b>Description</b>   | <b>Amount (Rs.)</b> |
|-----------------|--|---------------------|
| 1               | Civil Works for Repair of Pump Chamber, Chowkidar Hut ,<br>Dismantling & Extension of PV Boundary Wall |                     |
| 2               | AC Distribution System Replacement , Construction of Valve<br>Chamber                                  |                     |
| 3               | Electrical work for Pump Chamber & Chowkidar Hut   |                     |
|                 | <b>Total Cost Rs.</b>  |                     |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Bandagai Shukrata Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.1: CIVIL WORKS - FOR REPAIR PUMP CHAMBER, CHOWKIDAR HUT , DISMANTLING & EXTENSION OF PV BOUNDARY WALL**

| S.No | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|------|--------------|--|------|----------|------------------|----------|---------------|
|      |              |  |      |          | In Figure        | In Words |               |
| 1    | 04-22-a      | Dismantling 1st class tile roofing   | Sqm  | 40.15    |                  |          |               |
| 2    | 04-.06       | Dismantling stone pitching, cement or lime grouted   | Sqm  | 24.77    |                  |          |               |
| 3    | 11-09-b      | Cement plaster 1:4, upto 20' height 1/2" thick   | Sqm  | 137.92   |                  |          |               |
| 4    | 07-04-a-03   | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4   | Cum  | 10.98    |                  |          |               |
| 5    | 06-05-f      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)  | Cum  | 2.71     |                  |          |               |
| 6    | 09-.01       | First class tile roofing including earth, mud plaster, gobi leeping, cement plaster etc complete   | Cum  | 40.15    |                  |          |               |
| 7    | 11-21-a-02   | Distemping New surface : Two coats   | Sqm  | 92.94    |                  |          |               |
| 8    | 13-02-c-01   | Painting old surfaces : Doors / windows any type First coat  | Sqm  | 42.10    |                  |          |               |
| 9    | 13-02-c-02   | Painting old surfaces : Doors / windows any type Each subsequent coat  | Sqm  | 42.10    |                  |          |               |
| 10   | 11-23-b-02   | White washing: Old surface : Two coats   | Sqm  | 11.71    |                  |          |               |
| 11   | 24-18-a-01   | Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured ) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS) | Mtr  | 7.31     |                  |          |               |
| 12   | 24-13-b      | Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications  | Hour | 9.00     |                  |          |               |
| 13   | 27-18-b      | Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)   | Rft  | 200.00   |                  |          |               |
| 14   | 03-25-d      | Excavation in foundation of building, bridges etc complete : in shingle/gravel   | Cum  | 24.24    |                  |          |               |
| 15   | 06-05-i      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)  | Cum  | 11.66    |                  |          |               |
| 16   | 07-07-a-03   | 1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4  | Cum  | 16.07    |                  |          |               |
| 17   | 06-26-a-02   | Damp proof course of cem. conc. 1:2:4 including bitumencoat, 1 layer polythene & 1 coat bitumen 2" thick   | Sqm  | 22.47    |                  |          |               |
| 18   | 11-18-b      | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3   | Sqm  | 119.33   |                  |          |               |
| 19   | 11-23-a-03   | White washing: New surface :Three coats  | Sqm  | 119.33   |                  |          |               |
| 20   | 11-.29       | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks   | Sqm  | 119.33   |                  |          |               |
| 21   | 03-67-c      | Structural backfill using Common Material available at site.   | Cum  | 30.29    |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Bandagai Shukrata Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.1: CIVIL WORKS - FOR REPAIR PUMP CHAMBER, CHOWKIDAR HUT , DISMANTLING & EXTENSION OF PV BOUNDARY WALL**

| S.No                      | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs)                       |  |
|---------------------------|--------------|--|------|----------|------------------|----------|-------------------------------------|--|
|                           |              |  |      |          | In Figure        | In Words |                                     |  |
| 22                        | 25-43        | Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.   | Mtr  | 65.224   |                  |          |                                     |  |
| 23                        | 06-02.       | Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)  | Cum  | 11.55    |                  |          |                                     |  |
| 24                        | 10-49-f      | Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)   | Sqm  | 73.61    |                  |          |                                     |  |
| 25                        | 03-21-b      | Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches  | Cum  | 11.21    |                  |          |                                     |  |
|                           |              |  |      |          |                  |          | <b>Total Rs.</b>                    |  |
|                           |              |  |      |          |                  |          | <b>Add 8% Area Factor</b>           |  |
|                           |              |  |      |          |                  |          | <b>Total Amount Rs.</b>             |  |
| <b>Non Schedule Items</b> |              |  |      |          |                  |          |                                     |  |
| 26                        | NSI          | <p>Providing, Furnishing, Analysing, recommendations and reports generation/submission (hard and soft copy) for existng tube wells complete in all respects as directed by the Engineer Incharge and as per below details:</p> <p>Video Logging/Recording video imaging of well (Through Borehole Inspection Camera) Max depth upto 200 m. Job includes (Data collection, visit to the site, preparing a complete report with proposals in view of structural and hydraulic issues.</p> <p>Note: Pump if installed, must be extracted one day before performing video logging.</p> | Job  | 1        |                  |          |                                     |  |
|                           |              |  |      |          |                  |          | <b>Total Amount Rs. (N.S.I)</b>     |  |
|                           |              |  |      |          |                  |          | <b>Grand Total Rs (S.I + N.S.I)</b> |  |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Bandagai Shukrata Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.2: AC DISTRIBUTION SYSTEM REPLACEMENT**

| S.No                                 | MRS 2025 B-I | Description  | Unit  | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|--------------------------------------|--------------|--|-------|----------|------------------|----------|---------------|
|                                      |              |  |       |          | In Figure        | In Words |               |
| 1                                    | 03-51.       | Excavation of trench in all kinds of soils except cutting in rock for pipelines upto 1.5m depth  | Cum   | 1553.37  |                  |          |               |
| 2                                    | 07-30'       | Supplying and filling sand under floor or plugging in wells (Under Pipe)   | Cum   | 129.45   |                  |          |               |
| 3                                    | 03-67-c      | Structural backfill using Common Material available at site  | Cum   | 1294.47  |                  |          |               |
| 4                                    | 24-24-a-04   | Providing and fixing of air valve of BSS quality and weight BS 1074 complete with jointing material single air valve 4" (100 mm ) dia  | Each  | 1.00     |                  |          |               |
| 5                                    | 24-24-a-03   | Providing and fixing of air valve of BSS quality and weight BS 1074 complete with jointing material single air valve 3" (75mm ) dia  | Each  | 1.00     |                  |          |               |
| 6                                    | 24-22-b-01   | Providing and Fixing of Sluice valve of BSS quality (BS 5163) for GI, PVC, MS , HDPE and also for all type of pipes i/c rubber sheet , jointing material complete in all respect PN-16, 4" (100 mm) dia of Valve | Each  | 1.00     |                  |          |               |
| 7                                    | 24-22-a-01   | Providing and Fixing of Sluice valve of BSS quality (BS 5163) for GI, PVC, MS , HDPE and also for all type of pipes i/c rubber sheet , jointing material complete in all respect PN-16, 3" (75 mm) dia of Valve  | Each  | 1.00     |                  |          |               |
| 8                                    | 27-51        | Replacing of pressure gauge 0 to 500   | No    | 1.00     |                  |          |               |
|                                      |              | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.                          |       |          |                  |          |               |
| 9                                    | 24-30-b-02   | (25 mm dia) PN-10  | Mtr   | 118.00   |                  |          |               |
| 10                                   | 24-30-b-04   | (40 mm dia) PN-10  | Mtr   | 1767.00  |                  |          |               |
| 11                                   | 24-30-b-05   | (50 mm dia) PN-10  | Mtr   | 863.00   |                  |          |               |
| 12                                   | 24-30-b-07   | (75 mm dia) PN-10  | Mtr   | 286.00   |                  |          |               |
| 13                                   | 24-30-b-09   | (110 mm dia) PN-10   | Mtr   | 682.00   |                  |          |               |
| <b>CONSTRUCTION OF VALVE CHAMBER</b> |              |  |       |          |                  |          |               |
| 14                                   | 03-25-d      | Excavation in foundation of building, bridges etc complete : in shingle/gravel   | Cum   | 4.76     |                  |          |               |
| 15                                   | 06-05-i      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)  | Cum   | 0.45     |                  |          |               |
| 16                                   | 07-04-a-03   | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4   | Cum   | 2.48     |                  |          |               |
| 17                                   | 11-09-b      | Cement plaster 1:4 upto 20' height 1/2" thick  | Sqm   | 10.87    |                  |          |               |
| 18                                   | 24-33-d      | Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 24" (600 mm) dia.   | Each  | 3.00     |                  |          |               |
| 19                                   | 06-07-a-03   | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)  | Cum   | 0.36     |                  |          |               |
| 20                                   | 06-08-b      | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)  | Tonne | 0.045    |                  |          |               |
| 21                                   | 06-47-c      | Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal   | Sqm   | 4.46     |                  |          |               |
| <b>Sub Total Rs.</b>                 |              |  |       |          |                  |          |               |
| <b>Add 8% Area Factor</b>            |              |  |       |          |                  |          |               |
| <b>Total Amount Rs.</b>              |              |  |       |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Bandagai Shukrata Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.2: AC DISTRIBUTION SYSTEM REPLACEMENT**

| S.No                      | MRS 2025 B-I | Description   | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs)                       |  |
|---------------------------|--------------|---|------|----------|------------------|----------|-------------------------------------|--|
|                           |              |   |      |          | In Figure        | In Words |                                     |  |
| <b>Non Schedule Items</b> |              |   |      |          |                  |          |                                     |  |
| 22                        | NSI          | Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).  | Each | 1        |                  |          |                                     |  |
| 23                        | NSI          | Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).  | Each | 1        |                  |          |                                     |  |
| 24                        | NSI          | Providing, fixing, commissioning & testing of Hypo Chlorinator (make Etatraon Italy (Digital) or equivalent) consisting of multifunction dosing pump having capacity of 5 Liter/hour and operating pressure of 5 bar, having standard power supply of 230V A.C , 50 -60 Hz single phase, Insulation protection rating of IP65, complete with all accessories like injection valve, suction hose, discharge hose, valves, PKXMA/AL model, level switch, dosing tank to be installed complete in all respect with Sodium hypochlorite liquid. | Each | 1        |                  |          |                                     |  |
|                           |              |   |      |          |                  |          | <b>Total Amount Rs. (N.S.I)</b>     |  |
|                           |              |   |      |          |                  |          | <b>Grand Total Rs (S.I + N.S.I)</b> |  |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandaga Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Bandagai Shukrata Utman Khel)**

**BILL OF QUANTITIES**

**Bill No.3: ELECTRICAL WORK FOR PUMP CHAMBER & CHOWKIDAR HUT**

| S.No                      | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (PKRs) |
|---------------------------|--------------|--|------|----------|------------------|----------|---------------|
|                           |              |  |      |          | In Figure        | In Words |               |
| 1                         | 15-50        | Wiring of light/fan/call-bell point in 3/0.029" PVC insulated bare cable in PVC pipe recessed  | Each | 6        |                  |          |               |
| 2                         | 15-46        | Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood   | Each | 2        |                  |          |               |
| 3                         | 15-15        | Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder  | Each | 2        |                  |          |               |
| 4                         | 15-11-a-02   | Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp  | Each | 1        |                  |          |               |
| 5                         | 15-127-f     | Supply at site, installation, testing and commissioning of Six gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects. | Each | 2        |                  |          |               |
| 6                         | 26-01-c-06   | Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)   | No   | 4        |                  |          |               |
| 7                         | 15-79-c      | PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete   | Mtr  | 35       |                  |          |               |
| <b>Sub Total Rs.</b>      |              |  |      |          |                  |          |               |
| <b>Add 8% Area Factor</b> |              |  |      |          |                  |          |               |
| <b>Total Amount Rs.</b>   |              |  |      |          |                  |          |               |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPL  
SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes  
Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai  
Shukrata Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Lara Dagai Salarzai)**

**BILL OF QUANTITIES**

**SUMMARY**

| <b>Bill No.</b> | <b>Description</b>   | <b>Amount (Rs.)</b> |
|-----------------|--|---------------------|
| 1               | Civil Work for Repair of Pump Chamber, Chowkidar Hut & Boundary Wall |                     |
| 2               | Distribution System Replacement , Construction of Valve Chamber      |                     |
| 3               | Electrical work for Pump Chamber & Chowkidar Hut                     |                     |
|                 | <b>Total Cost Rs.</b>  |                     |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrata Utma Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Lara Dagai Salarzai)**

**BILL OF QUANTITIES**

**Bill No.1. CIVIL WORKS - FOR REPAIR OF PUMP CHAMBER, CHOWKIDAR HUT & BOUNDARY WALL**

| S.No                      | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (Rs) |
|---------------------------|--------------|--|------|----------|------------------|----------|-------------|
|                           |              |  |      |          | In Figure        | In Words |             |
| 1                         | 04-13.       | Dismantling brick work in lime or cement mortar  | Cum  | 1.15     |                  |          |             |
| 2                         | 04-22-a      | Dismantling 1st class tile roofing   | Sqm  | 18.59    |                  |          |             |
| 3                         | 11-09-b      | Cement plaster 1:4, upto 20' height 1/2" thick   | Sqm  | 77.14    |                  |          |             |
| 4                         | 07-05-a-03   | 1st class brick work in ground floor Cement, sand mortar 1:4   | Cum  | 3.50     |                  |          |             |
| 5                         | 11-18-b      | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3   | Sqm  | 10.04    |                  |          |             |
| 6                         | 06-05-f      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)  | Cum  | 2.01     |                  |          |             |
| 7                         | 09-.01       | First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete  | Sqm  | 18.59    |                  |          |             |
| 8                         | 11-21-a-02   | Distempering New surface : Two coats   | Sqm  | 122.49   |                  |          |             |
| 9                         | 13-02-c-01   | Painting old surfaces : Doors / windows any type First coat  | Sqm  | 22.86    |                  |          |             |
| 10                        | 13-02-c-02   | Painting old surfaces : Doors / windows any type Each subsequent coat  | Sqm  | 38.48    |                  |          |             |
| 11                        | 11-23-b-02   | White washing: Old surface : Two coats   | Sqm  | 229.18   |                  |          |             |
| 12                        | 11-.29       | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks   | Sqm  | 250.37   |                  |          |             |
| 13                        | 24-18-a-01   | Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured ) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS) | Mtr  | 7.31     |                  |          |             |
| 14                        | 25-43        | Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.   | Mtr  | 57.91    |                  |          |             |
| 15                        | 25-46        | Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position   | Mtr  | 3.66     |                  |          |             |
| <b>Total Rs.</b>          |              |  |      |          |                  |          |             |
| <b>Add 8% Area Factor</b> |              |  |      |          |                  |          |             |
| <b>Total Amount Rs.</b>   |              |  |      |          |                  |          |             |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargarai Salarzai, Bandagai Shukrat Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Lara Dagai Salarzai)**

**BILL OF QUANTITIES**

**Bill No.2. DISTRIBUTION SYSTEM REPLACEMENT**

| S.No                                 | MRS 2025 B-I | Description   | Unit  | Quantity | Unit Rate (PKRs) |          | Amount (Rs)               |
|--------------------------------------|--------------|---|-------|----------|------------------|----------|---------------------------|
|                                      |              |   |       |          | In Figure        | In Words |                           |
| 1                                    | 03-51.       | Excavation of trench in all kinds of soils except cutting in rock for pipelines upto 1.5m depth   | Cum   | 490.92   |                  |          |                           |
| 2                                    | 07-30'       | Supplying and filling sand under floor or plugging in wells (Under Pipe)  | Cum   | 40.91    |                  |          |                           |
| 3                                    | 03-67-c      | Structural backfill using Common Material available at site   | Cum   | 409.10   |                  |          |                           |
| 4                                    | 24-24-a-03   | Providing and fixing of air valve of BSS quality and weight BS 1074 complete with jointing material single air valve 3" (75mm ) dia   | Each  | 1.00     |                  |          |                           |
| 5                                    | 24-22-a-01   | Providing and Fixing of Sluice valve of BSS quality (BS 5163) for GI, PVC, MS , HDPE and also for all type of pipes i/c rubber sheet , jointing material complete in all respect PN-16, 3" (75 mm) dia of Valve | Each  | 1.00     |                  |          |                           |
| 6                                    | 27-51        | Replacing of pressure gauge 0 to 500  | No    | 1.00     |                  |          |                           |
|                                      |              | Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.                        |       |          |                  |          |                           |
| 7                                    | 24-30-b-02   | (25 mm dia) PN-10   | Mtr   | 205.16   |                  |          |                           |
| 8                                    | 24-30-b-04   | (40 mm dia) PN-10   | Mtr   | 544.53   |                  |          |                           |
| 9                                    | 24-30-b-05   | (50 mm dia) PN-10   | Mtr   | 170.60   |                  |          |                           |
| 10                                   | 24-30-b-06   | (63 mm dia) PN-10   | Mtr   | 254.11   |                  |          |                           |
| <b>CONSTRUCTION OF VALVE CHAMBER</b> |              |   |       |          |                  |          |                           |
| 11                                   | 03-25-d      | Excavation in foundation of building, bridges etc complete : in shingle/gravel  | Cum   | 6.34     |                  |          |                           |
| 12                                   | 06-05-i      | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)   | Cum   | 0.60     |                  |          |                           |
| 13                                   | 07-04-a-03   | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4  | Cum   | 3.31     |                  |          |                           |
| 14                                   | 11-09-b      | Cement plaster 1:4 upto 20' height 1/2" thick   | Sqm   | 14.50    |                  |          |                           |
| 15                                   | 24-33-d      | Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 24" (600 mm) dia.  | Each  | 4.00     |                  |          |                           |
| 16                                   | 06-07-a-03   | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)   | Cum   | 0.48     |                  |          |                           |
| 17                                   | 06-08-b      | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)   | Tonne | 0.060    |                  |          |                           |
| 18                                   | 06-47-c      | Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal  | Sqm   | 5.95     |                  |          |                           |
|                                      |              |   |       |          |                  |          | <b>Sub Total Rs.</b>      |
|                                      |              |   |       |          |                  |          | <b>Add 8% Area Factor</b> |
|                                      |              |   |       |          |                  |          | <b>Total Amount Rs.</b>   |
| <b>Non Schedule Items</b>            |              |   |       |          |                  |          |                           |
| 19                                   | NSI          | Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).  | Each  | 1        |                  |          |                           |
| 20                                   | NSI          | Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).  | Each  | 1        |                  |          |                           |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrat Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Lara Dagai Salarzai)**

**BILL OF QUANTITIES**

**Bill No.2. DISTRIBUTION SYSTEM REPLACEMENT**

| S.No                                | MRS 2025 B-I | Description   | Unit | Quantity | Unit Rate (PKRs) |          | Amount (Rs) |
|-------------------------------------|--------------|---|------|----------|------------------|----------|-------------|
|                                     |              |   |      |          | In Figure        | In Words |             |
| 21                                  | NSI          | Providing, fixing, commissioning & testing of Hypo Chlorinator (make Etatraon Italy (Digital) or equivalent) consisting of multifunction dosing pump having capacity of 5 Liter/hour and operating pressure of 5 bar, having standard power supply of 230V A.C , 50 -60 Hz single phase, Insulation protection rating of IP65, complete with all accessories like injection valve, suction hose, discharge hose, valves, PKXMA/AL model, level switch, dosing tank to be installed complete in all respect with Sodium hypochlorite liquid. | Each | 1        |                  |          |             |
| <b>Total Amount Rs. (N.S.I)</b>     |              |   |      |          |                  |          |             |
| <b>Grand Total Rs (S.I + N.S.I)</b> |              |   |      |          |                  |          |             |

**REHABILITATION & SOLARIZATION OF EXISTING DRINKING WATER SUPPLY SCHEMES UNDER KP-RIISP**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrat Utman Khel, Lara Dagai Salarzai , District Bajaur**

**Contract Package : BJ-CW-R-02 (DWSS Lara Dagai Salarzai)**

**BILL OF QUANTITIES**

**Bill No.3 ELECTRICAL WORK FOR PUMP CHAMBER & CHOWKIDAR HUT**

| S.No                      | MRS 2025 B-I | Description  | Unit | Quantity | Unit Rate (PKRs) |          | Amount (Rs) |
|---------------------------|--------------|--|------|----------|------------------|----------|-------------|
|                           |              |  |      |          | In Figure        | In Words |             |
| 1                         | 15-50        | Wiring of light/fan/call-bell point in 3/0.029" PVC insulated bare cable in PVC pipe recessed  | Each | 6        |                  |          |             |
| 2                         | 15-68-c      | Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" sweep   | Each | 1        |                  |          |             |
| 3                         | 15-46        | Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood   | Each | 2        |                  |          |             |
| 4                         | 15-15        | Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder  | Each | 2        |                  |          |             |
| 5                         | 15-11-a-02   | Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp  | Each | 1        |                  |          |             |
| 6                         | 15-127-f     | Supply at site, installation, testing and commissioning of Six gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects. | Each | 2        |                  |          |             |
| 7                         | 26-01-c-06   | Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)   | No   | 4        |                  |          |             |
| 8                         | 15-79-c      | PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete   | Mtr  | 25       |                  |          |             |
| 9                         | 15-172       | Supply and installation of Fan dimmer switch   | Each | 1        |                  |          |             |
| 10                        | 15-25        | Supply and Erection girder clamp hook, 5/8" dia.for hanging ceiling fans   | Mtr  | 1        |                  |          |             |
| <b>Sub Total Rs.</b>      |              |  |      |          |                  |          |             |
| <b>Add 8% Area Factor</b> |              |  |      |          |                  |          |             |
| <b>Total Amount Rs.</b>   |              |  |      |          |                  |          |             |

**KHYBER PAKHTUNKHWA RURAL INVESTMENT AND INSTITUTIONAL SUPPORT PROJECT (KP-RIISP)**

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Kandaro Utman Khel, Badi Zaghan Utman Khel, Chargorai Salarzai, Bandagai Shukrata Utman Khel, Lara Dagai Salarzai, District Bajaur**

**Contract Package : BJ-CW-R-02**

**BILL OF QUANTITIES**

**E&S COMPLIANCE COST**

| Sr. No.             | Description  | Unit      | Quantity | Unit Rate (PKRs) |          | Amount (Rs.) |
|---------------------|--|-----------|----------|------------------|----------|--------------|
|                     |  |           |          | In Figure        | In Words |              |
| 1                   | Provision of a fixed scaffolding platform for "Work at Height", including harness belt etc complete in all respects as per the OSHA guidelines or the direction of The Engineer  | Nos       | 1        |                  |          |              |
| 2                   | Provision of green cloth, 4 colour waste bins (240 Liters), safety signages (including Grievance Redress Mechanism (GRM) details, Emergency contact numbers, PPEs requirements, First Aid / Fire Extinguisher placement, emergency exit etc), warning tape, necessary plastic and tarpulin sheet for covering of construction raw material on site and during transportation to the site | Each Site | 5        |                  |          |              |
| 3                   | Handling of solid waste (storage, collection, transportation, utilization, and final disposal of solid wastes)   | Each Site | 5        |                  |          |              |
| 4                   | DCP Fire extinguishers (6 kg) in case of fire (The material of the cylinder is steel. The extinguishing agent is mono ammonium phosphate and ammonium sulfate powder and the discharge time of the agent is 13 seconds)  | Each Site | 5        |                  |          |              |
| 5                   | Fire alarm (Signal Transmission: Wired Alarm, Working Principle: Manual Alarm Button)  | Each Site | 1        |                  |          |              |
| 6                   | Ear plugs (corded Reusable silicon Earplugs)   | Each      | 117      |                  |          |              |
| 7                   | Safety Helmets (PE shell with vents Lining; material: Plastic Chin strap included; Adjust head size by ratchet knob)   | Each      | 50       |                  |          |              |
| 8                   | Safety shoes (Renowned brand)  | Each      | 25       |                  |          |              |
| 9                   | Protective goggles (Anti-fog, Anti scratch, Poly-carbonate Scratch and impact resistant, side protection sheet)  | Each      | 25       |                  |          |              |
| 10                  | Gloves (made up of nylon, polyurethane with ironclad) and safety Vest  | Each      | 25       |                  |          |              |
| 11                  | Dust Mask  | Each      | 167      |                  |          |              |
| 12                  | First Aid Kit (pain killers, eyewash solution, antibiotic ointment, thermometer, plasters, sterile gauze dressings, sterile eye dressings, triangular bandages, crepe rolled bandages, safety pins, disposable sterile gloves and tweezers)  | Each site | 5        |                  |          |              |
| 13                  | Ground water Quality Testing (To be performed twice: Once before the start of construction, second during the construction period)   | Each site | 10       |                  |          |              |
| 14                  | Noise level monitoring (Meter)   | Each      | 1        |                  |          |              |
| <b>Total Amount</b> |  |           |          |                  |          |              |