

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

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai
Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur**

Contract Package : BJ-CW-R-03

BILL OF QUANTITIES

SUMMARY OF COST

| Sr.No | Name of Scheme | Amount (Rs.) |
|--------------|--------------------------|---------------------|
| 1 | DWSS Ghani Addai Khar | |
| 2 | DWSS Loe Jowar Khar | |
| 3 | DWSS Shinkai Alizai Khar | |
| 4 | DWSS Trakai Khar | |
| 5 | E&S Compliance | |
| | Total Cost (Rs.) | |

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

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Adda
Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur**

Contract Package : BJ-CW-R-03 (DWSS Ghani Addai Khar)

BILL OF QUANTITIES

SUMMARY

| Bill No. | Description | Amount (Rs.) |
|-----------------|--|---------------------|
| 1 | Dismantling of Existing Pumping Chamber & Chowkidar Hut & Extension of Boundary Wall For PV Panels & Solar Yard Construction | |
| 2 | Distribution System Repair / Replacement & Construction of Valve Chamber | |
| 3 | Electrical work for Pump Chamber & Chowkidar Hut | |
| 4 | Construction of Pumping Chamber & Chowkidar Hut | |
| | Total Cost Rs. | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Ghani Addai Khar)

BILL OF QUANTITIES

Bill No. 1: Dismantling of Existing Pumping Chamber & Chowkidar Hut & Extension of Boundary Wall For PV Panels & Solar Yard Construction

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|----------------------------|--------------|--|------|----------|------------------|----------|-------------|
| | | | | | In Figure | In Words | |
| 1 | 04-06 | Dismantling stone pitching, cement or lime grouted | Cum | 66.80 | | | |
| 2 | 24-13-b | Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications | Hour | 9.00 | | | |
| 3 | 27-18-b | Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft) | Rft | 280.00 | | | |
| 4 | 03-25-d | Excavation in foundation of building, bridges etc complete : in shingle/gravel | Cum | 28.31 | | | |
| 5 | 06-05-i | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) | Cum | 13.70 | | | |
| 6 | 07-04-a-02 | 1st class brick work in foundation and plinth in Cement, sand mortar 1:3 | Cum | 12.00 | | | |
| 7 | 07-07-a-03 | 1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4 | Cum | 0.85 | | | |
| 8 | 06-26-a-02 | Damp proof course of cem. conc. 1:2:4 including bitumenccoat, 1 layer polythene & 1 coat bitumen 2" thick | Sqm | 25.20 | | | |
| 9 | 11-18-b | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3 | Sqm | 133.83 | | | |
| 10 | 11-09-b | Cement plaster 1:4 upto 20' height 1/2" thick | Sqm | 133.83 | | | |
| 11 | 06-05-f | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping | Cum | 0.43 | | | |
| 12 | 11-23-a-03 | White washing: New surface :Three coats | Sqm | 133.83 | | | |
| 13 | 11-29 | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks | Sqm | 139.41 | | | |
| 14 | 25-56 | Providing and fixing steel gate of 16-18 SWG MS Sheet Gate with angle iron frame (2"x2"x3/16") with side window, lock, painting etc M.S. sheet covering including hold fast, with or without rollers and track arrangement including providing wicket shutter of required size with all accessories and locking arrangement complete | Sqm | 7.43 | | | |
| 15 | 03-67-c | Structural backfill using Common Material available at site. | Cum | 33.98 | | | |
| 16 | 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 | 73.148 | | | |
| 17 | 06-02. | Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard) | Cum | 11.55 | | | |
| 18 | 10-49-f | Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways) | Sqm | 86.99 | | | |
| 19 | 03-21-b | Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches | Cum | 13.25 | | | |
| Sub Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| G. Total Amount Rs. | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Ghani Addai Khar)

BILL OF QUANTITIES

Bill No. 1: Dismantling of Existing Pumping Chamber & Chowkidar Hut & Extension of Boundary Wall For PV Panels & Solar Yard Construction

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) | |
|---------------------------|--------------|--|------|----------|------------------|----------|-------------------------------------|--|
| | | | | | In Figure | In Words | | |
| Non Schedule Items | | | | | | | | |
| 20 | 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: 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. Note: Pump if installed, must be extracted one day before performing video logging. | Job | 1 | | | | |
| | | | | | | | G.Total Amount Rs. (N.S.I) | |
| | | | | | | | Grand Total Rs (S.I + N.S.I) | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Ghani Addai Khar)

BILL OF QUANTITIES

Bill No.2. DISTRIBUTION SYSTEM REPAIR / REPLACEMENT

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|--------------------------------------|--------------|---|-------|----------|------------------|----------|-------------|
| | | | | | In Figure | In Words | |
| 1 | 03-09-d | Earth excavation in open cut upto 1.5m depth for drains, pipes etc & disposal : in Gravel & shingle | Cum | 1297.53 | | | |
| 2 | 07-30' | Supplying and filling sand under floor or plugging in wells (Under Pipe) | Cum | 108.13 | | | |
| 3 | 03-67-c | Structural backfill using Common Material available at site | Cum | 1081.28 | | | |
| 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 | Each | 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 | a) 3" (75 mm) dia | Each | 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. | | | | | |
| 8 | 24-30-b-02 | (25 mm dia) PN-10 | Mtr | 1154.00 | | | |
| 9 | 24-30-b-04 | (40 mm dia) PN-10 | Mtr | 1612.00 | | | |
| 10 | 24-30-b-05 | (50 mm dia) PN-10 | Mtr | 609.00 | | | |
| 11 | 24-30-b-07 | (75 mm dia) PN-10 | Mtr | 85.41 | | | |
| CONSTRUCTION OF VALVE CHAMBER | | | | | | | |
| 12 | 03-25-d | Excavation in foundation of building, bridges etc complete : in shingle/gravel | Cum | 6.34 | | | |
| 13 | 06-05-i | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) | Cum | 0.60 | | | |
| 14 | 07-04-a-03 | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4 | Cum | 3.31 | | | |
| 15 | 11-09-b | Cement plaster 1:4 upto 20' height 1/2" thick | Sqm | 14.50 | | | |
| 16 | 24-33-d | Supplying and fixing, cast iron manhole cover with frame, etc. (Heavy Type) of approved quality complete. 24" (600 mm) dia. | Each | 4.00 | | | |
| 17 | 06-07-a-03 | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4) | Cum | 0.48 | | | |
| 18 | 06-08-b | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60) | Tonne | 0.060 | | | |
| 19 | 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 | | | |
| Sub Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| G. Total Amount Rs. | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Ghani Addai Khar)

BILL OF QUANTITIES

Bill No.2. DISTRIBUTION SYSTEM REPAIR / REPLACEMENT

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|-------------------------------------|--------------|---|------|----------|------------------|----------|-------------|
| | | | | | In Figure | In Words | |
| Non Schedule Items | | | | | | | |
| 20 | NSI | Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital). | Each | 1 | | | |
| 21 | NSI | Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital). | Each | 1 | | | |
| 22 | 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 | | | |
| G.Total Amount Rs. (N.S.I) | | | | | | | |
| Grand Total Rs (S.I + N.S.I) | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , Distric Bajaur

Contract Package : BJ-CW-R-03 (DWSS Ghani Addai Khar)

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 | |
| Schedule Items | | | | | | | |
| 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 | 1 | | | |
| 7 | 15-20-b | Supply and Erection 3 pin switch & plug combined recessed type : 10/15 Amp | Each | 2 | | | |
| 8 | 15-79-c | PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete | Mtr | 25 | | | |
| Total Amount Rs. (S.I) | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| Grand Total Amount Rs. | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , Distric Bajaur

Contract Package : BJ-CW-R-03 (DWSS Ghani Addai Khar)

BILL OF QUANTITIES

| Bill No.4 CONSTRUCTION OF PUMPING CHAMBER & CHOWKIDAR HUT | | | | | | | |
|--|--------------|--|-------|----------|------------------|----------|-------------|
| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
| | | | | | In Figure | In Words | |
| 1 | 03-25-d | Excavation in foundation of building, bridges etc complete : in shingle/gravel | Cum | 17.20 | | | |
| 2 | 06-05-i | Plain Cement concrete i/c placing, compacting, finishing & curing (1:4:8) | Cum | 9.35 | | | |
| 3 | 07-04-a-03 | 1st class brick work in foundation and plinth in Cement,Sand mortar 1:4 | Cum | 5.77 | | | |
| 4 | 06-26-a-02 | Damp proof course of cem. conc. 1:2:4 including bitumencoat, 1 layer polythene & 1 coat bitumen 2" thick | Sqm | 8.83 | | | |
| 5 | 07-05-a-03 | 1st class brick work in ground floor Cement, Sand mortar 1:4 | Cum | 18.74 | | | |
| 6 | 06-07-a-03 | RCC in roof,slab,beam, columns and and other structural members insitu or precast (1:2:4) | Cum | 8.90 | | | |
| 7 | 06-08-b | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60) | Tonne | 0.85 | | | |
| 8 | 11-09-b | Cement plaster in 1:4 upto 20' high 1/2" thickness | Sqm | 14.71 | | | |
| 9 | 11-18-a | Cement pointing struck joints on walls upto 20' high (Ratio 1:3) | Sqm | 36.507 | | | |
| 10 | 10-03-a | Provide,lay ,water & ram clean coarse sand under floor/brick paving,complete. | Sqm | 15.112 | | | |
| 11 | 10-15-d | Provide & lay topping of concrete 1:2:4 i/c surface finishing & dividing into pannels 2" thick on floor | Sqm | 25.52 | | | |
| 12 | 10-47-d | Providing and fixing marblle strip 2" wide and 3/8" thick for dividing the floor into panels | Mtr | 21.60 | | | |
| 13 | 06-05-f | Plain Cement concrete i/c placing, compacting, finishing & curing 1:2:4 | Cum | 1.53 | | | |
| 14 | 11-20-a | Priming coat of chalk under distemper. | Sqm | 116.25 | | | |
| 15 | 11-20-b | Providing and applying wall putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete. | Sqm | 116.25 | | | |
| 16 | 11-21-a-02 | Distemping New surface:Two coats | Sqm | 116.25 | | | |
| 17 | 09-.06 | Single layer of tiles 12"x6"x2" laid over 4" earth and 1" mud plaster on top of RC roof slab | Sqm | 27.37 | | | |
| 18 | 25-46 | Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position | Mtr | 3.66 | | | |
| 19 | 25-44 | Supplying and Fixing 18SWG Steel Almirah, 12" max depth including box shelves, back, shelves, | Sqm | 2.23 | | | |
| 20 | 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 | 10.64 | | | |
| 21 | 12-.61 | MS flat 1/2"x1/8" grill in windows of approved design . | Sqm | 4.60 | | | |
| 22 | 09-.33 | Making drip course 2"x1/2" under RCC slab edges in outer opening,in c/s mortar 1:2 | Mtr | 6.22 | | | |
| 23 | 09-16' | Khuras on roof 2'x2'x6" | Each | 3.00 | | | |
| 24 | 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 | 10.06 | | | |
| 25 | 09-.17 | Bottom khuras of brick masonry in c/s mortar 1:6,4'x2'x4.5" over 3" cem. concrete 1:4:8 | Each | 3.00 | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , Distric Bajaur

Contract Package : BJ-CW-R-03 (DWSS Ghani Addai Khar)

BILL OF QUANTITIES

| Bill No.4 CONSTRUCTION OF PUMPING CHAMBER & CHOWKIDAR HUT | | | | | | | |
|--|--------------|--|------|----------|------------------|----------|-------------|
| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
| | | | | | In Figure | In Words | |
| 26 | 23- 10 | Septic Tank (int.Size: 7'x2'x5') complete | Each | 1.00 | | | |
| 27 | 14-69-b-01 | Supplying and fixing Polyethylene water tank made from food grade FDA Certified raw material,3 layers UV stabilized ,inert with water anti-fungus and anti-bacterial and have a service life of more than 10 years :200 gallons (Horizontal) | Each | 1.00 | | | |
| 28 | 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 | 40.15 | | | |
| 29 | 03-67-c | Structural backfill using Common Material available at site. | Cum | 174.30 | | | |
| Total Amount Rs. | | | | | | | |
| Add 8% Location factor | | | | | | | |
| Grand Total Amount Rs. | | | | | | | |

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

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai
Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur**

Contract Package : BJ-CW-R-03 (DWSS Loe Jowar Khar)

BILL OF QUANTITIES

SUMMARY

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

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , Distric Bajaur

Contract Package : BJ-CW-R-03 (DWSS Loe Jowar Khar)

BILL OF QUANTITIES

Bill No.1. **CIVIL WORKS - FOR EXISTING PV & Chamber BOUNDARY WALL, PUMP CHMABER & CHOWKIDAR HUT**

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|----------------------------|--------------|--|------|----------|------------------|----------|-------------|
| | | | | | In Figure | In Words | |
| 1 | 11-09-b | Cement plaster 1:4, upto 20' height 1/2" thick | Sqm | 61.15 | | | |
| 2 | 11-18-b | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3 | Sqm | 47.21 | | | |
| 3 | 06-05-f | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) | Cum | 1.54 | | | |
| 4 | 11-21-a-02 | Distempering New surface : Two coats | Sqm | 74.35 | | | |
| 5 | 13-02-c-01 | Painting old surfaces : Doors / windows any type First coat | Sqm | 52.60 | | | |
| 6 | 13-02-c-02 | Painting old surfaces : Doors / windows any type Each subsequent coat | Sqm | 52.60 | | | |
| 7 | 11-23-b-02 | White washing: Old surface : Two coats | Sqm | 155.48 | | | |
| 8 | 11-.29 | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks | Sqm | 121.56 | | | |
| 9 | 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 | | | |
| 10 | 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 | 66.44 | | | |
| 11 | 03-25-d | Excavation in foundation of building, bridges etc complete : in shingle/gravel | Cum | 7.70 | | | |
| 12 | 06-05-i | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) | Cum | 1.93 | | | |
| 13 | 07-04-a-02 | 1st class brick work in foundation and plinth in Cement, sand mortar 1:3 | Cum | 3.26 | | | |
| 14 | 07-07-a-03 | 1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4 | Cum | 4.68 | | | |
| 15 | 06-26-a-02 | Damp proof course of cem. conc. 1:2:4 including bitumencoat, 1 layer polythene & 1 coat bitumen 2" thick | Sqm | 7.14 | | | |
| 16 | 11-23-a-02 | White washing: New surface :Two coats | Sqm | 37.92 | | | |
| 17 | 25-56 | Providing and fixing steel gate of 16-18 SWG MS Sheet Gate with angle iron frame (2"x2"x3/16") with side window, lock, painting etc M.S. sheet covering including hold fast, with or without rollers and track arrangement including providing wicket shutter of required size with all accessories and locking arrangement complete | Sqm | 7.43 | | | |
| 18 | 03-67-c | Structural backfill using Common Material available at site. | Cum | 30.86 | | | |
| Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| G. Total Amount Rs. | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , Distric Bajaur

Contract Package : BJ-CW-R-03 (DWSS Loe Jowar Khar)

BILL OF QUANTITIES

Bill No.2: DISTRIBUTION SYSTEM REPAIR / 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 pilelines upto 1.5m depth | Cum | 659.15 | | | |
| 2 | 07-30' | Supplying and filling sand under floor or plugging in wells (Under Pipe) | Cum | 54.93 | | | |
| 3 | 03-67-c | Structural backfill using Common Material available at site | Cum | 549.29 | | | |
| 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 | Each | 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" (100 mm) dia | Each | 1.00 | | | |
| 8 | 24-52-c | 3" (75 mm) dia | Each | 3.00 | | | |
| 9 | 24-52-d | 2" (50 mm) dia | Each | 5.00 | | | |
| | | 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. | | | | | |
| 10 | 24-16-c-09 | 4" Nominal Pipe Size (NPS) | Mtr | 1.55 | | | |
| 11 | 24-16-c-08 | 3" Nominal Pipe Size (NPS) | Mtr | 30.95 | | | |
| 12 | 24-16-c-06 | 2" Nominal Pipe Size (NPS) | Mtr | 53.41 | | | |
| 13 | 24-16-c-03 | 1" Nominal Pipe Size (NPS) | Mtr | 8.75 | | | |
| | | 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. | | | | | |
| 14 | 24-30-b-02 | (25 mm dia) PN-10 | Mtr | 1048.23 | | | |
| 15 | 24-30-b-04 | (40 mm dia) PN-10 | Mtr | 528.60 | | | |
| CONSTRUCTION OF VALVE CHAMBER | | | | | | | |
| 16 | 03-25-d | Excavation in foundation of building, bridges etc complete : in shingle/gravel | Cum | 6.34 | | | |
| 17 | 06-05-i | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) | Cum | 0.60 | | | |
| 18 | 07-04-a-03 | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4 | Cum | 3.31 | | | |
| 19 | 11-09-b | Cement plaster 1:4 upto 20' height 1/2" thick | Sqm | 14.50 | | | |
| 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 | 4.00 | | | |
| 21 | 06-07-a-03 | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4) | Cum | 0.48 | | | |
| 22 | 06-08-b | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60) | Tonne | 0.060 | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , Distric Bajaur

Contract Package : BJ-CW-R-03 (DWSS Loe Jowar Khar)

BILL OF QUANTITIES

Bill No.2: DISTRIBUTION SYSTEM REPAIR / REPLACEMENT

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|-------------------------------------|--------------|---|------|----------|------------------|----------|-------------|
| | | | | | 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 | 5.95 | | | |
| Sub Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| Total Amount Rs. | | | | | | | |
| Non Schedule Items | | | | | | | |
| 24 | NSI | Supply & Erection of Pressure Guage 100 mm Dia Vaccum 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 | | | |
| Sub Total Rs. (N.S.I) | | | | | | | |
| Grand Total Rs (S.I + N.S.I) | | | | | | | |

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

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar ,
District Bajaur**

Contract Package : BJ-CW-R-03 (DWSS Loe Jowar Khar)

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 | 15-20-b | Supply and Erection 3 pin switch & plug combined recessed type : 10/15 Amp | Each | 2 | | | |
| 9 | 15-79-c | PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete | Mtr | 25 | | | |
| 10 | 15-172 | Supply and installation of Fan dimmer switch | Each | 1 | | | |
| 11 | 15-25. | Supply and Erection girder clamp hook, 5/8" dia.for hanging ceiling fans | Each | 1 | | | |
| Sub Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| Grand Total Amount Rs. | | | | | | | |

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

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai
Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur**

Contract Package : BJ-CW-R-03 (DWSS Shinkai Alizai Khar)

BILL OF QUANTITIES

SUMMARY

| Bill No. | Description | Amount (Rs.) |
|-----------------|--|---------------------|
| 1 | Civil Works for Repair of Surface Tank | |
| 2 | Rising Man & Distribution Repair / Replacement & Construction of Valve Chamber | |
| 3 | Electrical work for pump Chamber | |
| 4 | Construction of Pumping Chamber | |
| 5 | Construction of Tube Well | |
| 6 | Construction of New Boundary Wall for PV Panels & Pumping Chamber & Solar Yard | |
| | Total Cost Rs. | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur

Contract Package : BJ-CW-R-03 (DWSS Shinkai Alizai Khar)

BILL OF QUANTITIES

Bill No.1 CIVIL WORK FOR REPAIR OF SURFACE TANK

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|-------------------------------|--------------|---|------|----------|------------------|----------|-------------|
| | | | | | In Figure | In Words | |
| 1 | 11-09-b | Cement plaster 1:4, upto 20' height 1/2" thick | Sqm | 8.75 | | | |
| 2 | 11-18-b | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3 | Sqm | 10.51 | | | |
| 3 | 06-05-f | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) | Cum | 0.44 | | | |
| 4 | 10-41-a-02 | Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick | Sqm | 64.24 | | | |
| 5 | 03-67-d | Structural Backfill using Granular Material brought from outside Existing borehole plugging | Cum | 3.85 | | | |
| 6 | 24-34 | Supplying and Fixing flat iron (2"x3/8") ladder for OHR, holes @ 15" c/c, steps of MS bars 5/8" i/d & paint compl | Mtr | 3.05 | | | |
| 7 | 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 | | | |
| Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| Grand Total Amount Rs. | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Shinkai Alizai Khar)

BILL OF QUANTITIES

Bill No.2 RISING MAN & DISTRIBUTION REPAIR / 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 | 1491.79 | | | |
| 2 | 07-30' | Supplying and filling sand under floor or plugging in wells (Under Pipe) | Cum | 124.32 | | | |
| 3 | 03-67-c | Structural backfill using Common Material available at site | Cum | 1243.16 | | | |
| 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 | | | |
| | | 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 exexcavated material etc: complete in all respect of the following sizes. | | | | | |
| 9 | 24-52-b | 4" (100 mm) dia | Each | 3.00 | | | |
| 10 | 24-52-c | 3" (100 mm) dia | Each | 2.00 | | | |
| 11 | 24-52-d | 2" (50 mm) dia | Each | 5.00 | | | |
| | | 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-09 | 4" Nominal Pipe Size (NPS) | Mtr | 38.29 | | | |
| 13 | 24-16-c-08 | 3" Nominal Pipe Size (NPS) | Mtr | 8.29 | | | |
| 14 | 24-16-c-06 | 2" Nominal Pipe Size (NPS) | Mtr | 13.01 | | | |
| | | 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. | | | | | |
| 15 | 24-30-b-02 | (25 mm dia) PN-10 | Mtr | 897.38 | | | |
| 16 | 24-30-b-04 | (40 mm dia) PN-10 | Mtr | 823.81 | | | |
| 17 | 24-30-b-05 | (50 mm dia) PN-10 | Mtr | 1104.61 | | | |
| 18 | 24-30-b-06 | (63 mm dia) PN-10 | Mtr | 232.70 | | | |
| 19 | 24-30-b-07 | (75 mm dia) PN-10 | Mtr | 510.20 | | | |
| CONSTRUCTION OF VALVE CHAMBER | | | | | | | |
| 20 | 03-25-d | Excavation in foundation of building, bridges etc complete : in shingle/gravel | Cum | 4.76 | | | |
| 21 | 06-05-i | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) | Cum | 0.45 | | | |
| 22 | 07-04-a-03 | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4 | Cum | 2.48 | | | |
| 23 | 11-09-b | Cement plaster 1:4 upto 20' height 1/2" thick | Sqm | 10.87 | | | |
| 24 | 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 | | | |
| 25 | 06-07-a-03 | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4) | Cum | 0.36 | | | |
| 26 | 06-08-b | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60) | Tonne | 0.045 | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Shinkai Alizai Khar)

BILL OF QUANTITIES

Bill No.2 RISING MAN & DISTRIBUTION REPAIR / REPLACEMENT

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|-------------------------------------|--------------|---|------|----------|------------------|----------|-------------|
| | | | | | In Figure | In Words | |
| 27 | 06-47-c | Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shape - Position / Horizontal | Sqm | 4.46 | | | |
| Sub Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| Total Amount Rs. | | | | | | | |
| Non Schedule Items | | | | | | | |
| 28 | NSI | Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital). | Each | 1 | | | |
| 29 | NSI | Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital). | Each | 1 | | | |
| 30 | 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 | | | |
| SubTotal Amount Rs. (N.S.I) | | | | | | | |
| Grand Total Rs (S.I + N.S.I) | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Shinkai Alizai Khar)

BILL OF QUANTITIES

Bill No.3: ELECTRICAL WORK FOR PUMP CHAMBER

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|-----------------------|--------------|--|------|----------|------------------|---------------------------------|-------------|
| | | | | | In Figure | In Words | |
| Schedule Items | | | | | | | |
| 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 | 3 | | | |
| 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 | 40 | | | |
| | | | | | | G.Total Amount Rs. (S.I) | |
| | | | | | | Add 8% Area Factor | |
| | | | | | | G. Total Amount Rs. | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Shinkai Alizai Khar)

BILL OF QUANTITIES

Bill No. 4: Construction of Pumping Chamber

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|-------------------------------|--------------|---|-------|----------|------------------|----------|-------------|
| | | | | | 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 4"x8"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 | | | |
| SUB TOTAL | | | | | | | |
| Add 8% Location factor | | | | | | | |
| TOTAL AMOUNT RS. | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Shinkai Alizai Khar)

BILL OF QUANTITIES

Bill No. 5: Construction of Tube Well

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|---------------------------|--------------|---|------|----------|------------------|----------|-------------|
| | | | | | In Figure | In Words | |
| 1 | 24-41 | Conducting Elec: Resistivity survey of the area and furnishing its reports. | No | 1.00 | | | |
| 2 | 24-01-a | Mobilization of Plant, Equipment and camping arguments etc., and demobilization after completion. | Job | 1.00 | | | |
| 3 | 24-02-a-09 | Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 18" (450 mm) i/d | Mtr | 82.29 | | | |
| 4 | 24-03-a-09 | Drilling of Bore holes for tube well in hard rock having unconfirmed compressive strength of 50 MPa and above from ground level upto 328 ft depth (0m to 100m), including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: Dia of Bore 18" (450 mm) i/d | Mtr | 9.14 | | | |
| 5 | 24-02-b-07 | Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d | Mtr | 60.96 | | | |
| 6 | 24-05 | Collection and submission at approved water testing laboratory of two water samples in bottles from each bore hole for testing. | Job | 1.00 | | | |
| 7 | 24-42 | Logging of bore hole with electrical equipment and furnishing reports. | Job | 1.00 | | | |
| 8 | 06-05-f | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) | Cum | 0.57 | | | |
| 9 | 24-09-c-03 | Providing and installing PVC Strainer BSS Class "D" of approved make \ quality in tube well bore hole, including socket, special sockets, studs etc. complete as per specification: 10" Nominal Pipe Size (NPS) (250 mm) | Mtr | 30.48 | | | |
| 10 | 24-10-d-03 | Providing and installing PVC bail plug in tubewell BSS Class 'D' working pressure : 10" (250 mm) i/d | Each | 1.00 | | | |
| 11 | 24-12-c-03 | Providing and installing PVC blind pipe BSS Class "D" in Tube Well Bore Hole including Sockets and Solvents and jointing with strainer etc. complete : 10" Nominal Pipe Size (NPS) (250 mm) | Mtr | 123.44 | | | |
| 12 | 24-18-a-01 | UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS) | Mtr | 6.10 | | | |
| 13 | 24-13-b | Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications | Hour | 72.00 | | | |
| 14 | 24-14 | Shrouding with graded pack gravel 3/8" (10 mm) to 1/8" (3 mm) around tube well in bore hole complete as per specification:- | Mtr | 152.39 | | | |
| 15 | 24-36-a | Supplying and Fixing MS cap of 3/8" thick sheet : 10" i/d | EACH | 1.00 | | | |
| 16 | 24-39-d | Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 10" i/d | EACH | 1.00 | | | |
| 17 | 24-04 | Providing strong box of deodar wood 4' x 2½' x 9" with compartments, lock and locking arrangement, and preserving in it the corings / samples of strata collected from bore hole and supply to the approved soil testing laboratory for testing | Job | 1.00 | | | |
| Sub-Total Amount | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| Grand Total Amount | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajau

Contract Package : BJ-CW-R-03 (DWSS Shinkai Alizai Khar)

BILL OF QUANTITIES

Bill No. 6: Construction of New Boundary Wall For PV Panels & Pumping Chamber & Solar Yard

| S.No | MRS 2025 B-I | Description | Unit | Quantity | Unit Rate (PKRs) | | Amount (Rs) |
|-------------------------------|--------------|--|-------|----------|------------------|----------|-------------|
| | | | | | In Figure | In Words | |
| 1 | 03-25-d | Excavation in foundation of building, bridges etc complete : in shingle/gravel | Cum | 37.60 | | | |
| 2 | 06-05-i | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) | Cum | 17.14 | | | |
| 3 | 07-04-a-02 | 1st class brick work in foundation and plinth in Cement, sand mortar 1:3 | Cum | 17.71 | | | |
| 4 | 07-07-a-03 | 1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4 | Cum | 21.94 | | | |
| 5 | 06-26-a-02 | Damp proof course of cem. conc. 1:2:4 including bitumencoat, 1 layer polythene & 1 coat bitumen 2" thick | Sqm | 30.46 | | | |
| 6 | 11-18-b | Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3 | Sqm | 161.71 | | | |
| 7 | 11-09-b | Cement plaster 1:4 upto 20' height 1/2" thick | Sqm | 176.21 | | | |
| 8 | 06-05-f | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping | Cum | 0.52 | | | |
| 9 | 11-23-a-03 | White washing: New surface :Three coats | Sqm | 161.71 | | | |
| 10 | 11-.29 | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks | Sqm | 144.98 | | | |
| 11 | 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 | | | |
| 12 | 25-56 | Providing and fixing steel gate of 16-18 SWG MS Sheet Gate with angle iron frame (2"x2"x3/16") with side window, lock, painting etc M.S. sheet covering including hold fast, with or without rollers and track arrangement including providing wicket shutter of required size with all accessories and locking arrangement complete | Sqm | 7.43 | | | |
| 13 | 03-67-c | Structural backfill using Common Material available at site. | Cum | 41.05 | | | |
| 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 | 88.39 | | | |
| 15 | 06-02. | Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard) | Cum | 11.55 | | | |
| 16 | 10-49-f | Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways) | Sqm | 105.58 | | | |
| 17 | 03-21-b | Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches | Cum | 16.08 | | | |
| 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 shape - Position / Horizontal | Sqm | 5.95 | | | |
| Sub Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| Grand Total Amount Rs. | | | | | | | |

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

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Adda
Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur**

Contract Package : BJ-CW-R-03 (DWSS Trakai Khar)

BILL OF QUANTITIES

SUMMARY

| Bill No. | Description | Amount (Rs.) |
|-----------------|--|---------------------|
| 1 | Civil Work for Repair of Pump Chamber, PV Boundary Wall, Ground Surface Tank & Solar Yard | |
| 2 | Rising Man & Distribution Repair / Replacement | |
| 3 | Electrical work for Pump Chamber | |
| | Total Cost Rs. | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur

Contract Package : BJ-CW-R-03 (DWSS Trakai Khar)

BILL OF QUANTITIES

Bill No.1.CIVIL WORKS FOR REPAIR OF PUMP CHAMBER, PV BOUNDARY WALL, GROUND SURFACE TANK & SOLAR YARD

| 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 | 9.29 | | | |
| 2 | 11-09-b | Cement plaster 1:4, upto 20' height 1/2" thick | Sqm | 5.84 | | | |
| 3 | 06-05-f | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) | Cum | 0.51 | | | |
| 4 | 09-.01 | First class tile roofing including earth, mud plaster, gobi leeping, cement plaster etc complete | Sqm | 9.29 | | | |
| 5 | 11-21-b-02 | Distempering Old surface : Two coats | Sqm | 46.47 | | | |
| 6 | 13-02-c-01 | Painting old surfaces : Doors / windows any type First coat | Sqm | 23.51 | | | |
| 7 | 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 | 3.66 | | | |
| 8 | 11-23-b-02 | White washing: Old surface : Two coats | Sqm | 32.53 | | | |
| 9 | 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 | 60.96 | | | |
| 10 | 06-05-i | Plain Cement concrete i/c placing, compacting, finishing & curing (1:4:8) | Cum | 5.66 | | | |
| 11 | 06-02. | Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard) | Cum | 5.89 | | | |
| 12 | 10-49-f | Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways) | Sqm | 74.35 | | | |
| 13 | 03-21-b | Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches | Cum | 11.33 | | | |
| 14 | 10-41-a-02 | Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick | Sqm | 31.40 | | | |
| 15 | 24-34 | Supplying and Fixing flat iron (2"x3/8") ladder for OHR, holes @ 15" c/c, steps of MS bars 5/8" i/d & paint complete | Mtr | 3.05 | | | |
| 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 (2' x 2' Roof Cover) | Sqm | 0.58 | | | |
| 17 | 11-.29 | Extra cost of labour & material for red oxide pigment in cement pointing to match bricks | Sqm | 13.94 | | | |
| | | | | | Sub Total Rs. | | |
| | | | | | Add 8% Area Factor | | |
| | | | | | G. Total Amount Rs. | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur

Contract Package : BJ-CW-R-03 (DWSS Trakai Khar)

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 pipelines upto 1.5m depth | Cum | 381.17 | | | |
| 2 | 07-30' | Supplying and filling sand under floor or plugging in wells (Under Pipe) | Cum | 31.76 | | | |
| 3 | 03-67-c | Structural backfill using Common Material available at site | Cum | 317.64 | | | |
| 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 | 24-24-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 | | | |
| 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 | | | |
| | | 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. | | | | | |
| 9 | 24-52-b | 4" (100 mm) dia | Each | 3.00 | | | |
| 10 | 24-52-c | 3" (75 mm) dia | Each | 2.00 | | | |
| 11 | 24-52-d | 2" (50 mm) dia | Each | 4.00 | | | |
| | | 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-09 | 4" Nominal Pipe Size (NPS) | Mtr | 30.62 | | | |
| 13 | 24-16-c-08 | 3" Nominal Pipe Size (NPS) | Mtr | 7.72 | | | |
| 14 | 24-16-c-06 | 2" Nominal Pipe Size (NPS) | Mtr | 13.23 | | | |
| 15 | 24-16-c-05 | 1.5" Nominal Pipe Size (NPS) | Mtr | 3.16 | | | |
| | | 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. | | | | | |
| 16 | 24-30-b-02 | (25 mm dia) PN-10 | Mtr | 130.53 | | | |
| 17 | 24-30-b-04 | (40 mm dia) PN-10 | Mtr | 577.50 | | | |
| 18 | 24-30-b-05 | (50 mm dia) PN-10 | Mtr | 203.81 | | | |
| CONSTRUCTION OF VALVE CHAMBER | | | | | | | |
| 19 | 03-25-d | Excavation in foundation of building, bridges etc complete : in shingle/gravel | Cum | 4.76 | | | |
| 20 | 06-05-i | Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8) | Cum | 0.45 | | | |
| 21 | 07-04-a-03 | 1st class brick work in foundation and plinth in Cement, sand mortar 1:4 | Cum | 2.48 | | | |
| 22 | 11-09-b | Cement plaster 1:4 upto 20' height 1/2" thick | Sqm | 10.87 | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur

Contract Package : BJ-CW-R-03 (DWSS Trakai Khar)

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 | 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 | | | |
| 24 | 06-07-a-03 | RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4) | Cum | 0.36 | | | |
| 25 | 06-08-b | Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60) | Tonne | 0.045 | | | |
| 26 | 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 | | | |
| Sub Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| G. Total Amount Rs. | | | | | | | |
| Non Schedule Items | | | | | | | |
| 27 | NSI | Supply & Erection of Pressure Guage 100 mm Dia Vacuum Upto 350 psi Complete In all respects (Digital). | Each | 1 | | | |
| 28 | NSI | Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital). | Each | 1 | | | |
| 29 | 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 | | | |
| G.Total Amount Rs. (N.S.I) | | | | | | | |
| Grand Total Rs (S.I + N.S.I) | | | | | | | |

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

Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar , District Bajaur

Contract Package : BJ-CW-R-03 (DWSS Trakai Khar)

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 | |
| 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 | 15-20-b | Supply and Erection 3 pin switch & plug combined recessed type : 10/15 Amp | Each | 1 | | | |
| 8 | 15-79-c | PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete | Mtr | 20 | | | |
| Sub Total Rs. | | | | | | | |
| Add 8% Area Factor | | | | | | | |
| G. Total Amount Rs. | | | | | | | |

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

**Rehabilitation of Existing Non - Functional Drinking Water Supply Schemes Ghani Addai Khar, Loe Jowar Khar, Shinkai Alizai Khar, Trakai Khar ,
District Bajaur**

Contract Package : BJ-CW-R-03

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 Rederess 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 | 4 | | | |
| 3 | Handling of solid waste (storage, collection, transportation, utilization, and final disposal of solid wastes) | Each Site | 4 | | | |
| 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). Including the refilling of used chemical and replacement of expired chemical. | Each Site | 4 | | | |
| 5 | Fire alarm (Signal Transmission: Wired Alarm, Working Principle: Manual Alarm Button) | Each Site | 1 | | | |
| 6 | Ear plugs (corded Reusable silicon Earplugs) | Each | 93 | | | |
| 7 | Safety Helmets (PE shell with vents Lining; material: Plastic Chin strap included; Adjust head size by ratchet knob) | Each | 40 | | | |
| 8 | Safety shoes (Renowned brand) | Each | 20 | | | |
| 9 | Protective goggles (Anti-fog, Anti scratch, Poly-carbonate Scratch and impact resistant, side protection sheet) | Each | 20 | | | |
| 10 | Gloves (made up of nylon, polyurethane with ironclad) and safety Vest | Each | 20 | | | |
| 11 | Dust Mask | Each | 133 | | | |
| 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). Including the refilling of the contents and replacement of expired content. | Each site | 4 | | | |
| 13 | Ground water Quality Testing (To be performed twice: Once before the start of construction, second during the construction period) | Each site | 8 | | | |
| 14 | Noise level monitoring (Meter) | Each | 1 | | | |
| Total Amount | | | | | | |