

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

**Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai
Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur**

Contract Package : BJ-CW-R-01

BILL OF QUANTITIES

SUMMARY OF COST

Sr.No	Name of Scheme	Amount (Rs.)
1	DWSS Shinkotai Mamund	
2	DWSS Lar Khalozai Mamund	
3	DWSS Umaray Mamund	
4	DWSS Lagharai Mamund	
5	DWSS Tarkho Mamund	
6	E&S Compliance	
	Total Cost (Rs.)	

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

**Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar
Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur**

Contract Package : BJ-CW-R-01 (DWSS Shinkotai Mamund)

BILL OF QUANTITIES

SUMMARY

Bill No.	Description	Amount (Rs.)
1	Civil Works Pump Chamber ,Chowkidar Hut, Boundary Wall, Solar Yard & Storage Tank.	
2	Rising Man & 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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Shinkotai Mamund)

BILL OF QUANTITIES

Bill No.1. CIVIL WORKS - FOR REPAIR OF PUMP CHAMBER CHOWKIDAR HUT, BOUNDARY WALL, SOLAR YARD & STORAGE TANK

S.No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (PKRs)		Amount (PKRs)	
					In Figure	In Words		
1	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	18.59				
2	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	1.98				
3	04-22-a	Dismantling 1st class tile roofing	Sqm	40.15				
4	09-01.	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	40.15				
5	11-21-b-02	Distempering Old surface : Two coats	Sqm	103.35				
6		Painting old surfaces : Doors / windows any type First coat	Sqm	40.44				
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	7.92				
8	10-41-a-01	Mosaic dado or skirting complete as per specs Using grey cement : 3/8" thick	Sqm	349.38				
9	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	13.72				
10	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.23				
11	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	15.69				
12	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	81.78				
13	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	14.01				
14	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00				
15	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	230.00				
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	11-23-b-02	White washing: Old surface : Two coats	Sqm	16.73				
18	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	89.78				
19	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	73.76				
							Sub Total Rs.	
							Add 8% Area Factor	
							Total Amount Rs. (S.I)	

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

**Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund,
Tarkho Mamund District Bajaur**

Contract Package : BJ-CW-R-01 (DWSS Shinkotai Mamund)

BILL OF QUANTITIES

Bill No.1. CIVIL WORKS - FOR REPAIR OF PUMP CHAMBER CHOWKIDAR HUT, BOUNDARY WALL, SOLAR YARD & STORAGE TANK

S.No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (PKRs)		Amount (PKRs)
					In Figure	In Words	
20	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	1.00			
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Shinkotai Mamund)

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	690.34			
2	07-30.	Supplying and filling sand under floor or plugging in wells (Under Pipe)	Cum	57.53			
3	03-67-c	Structural backfill using Common Material available at site	Cum	575.28			
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	24-22-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			
		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.	Mtr	161.00			
6	24-30-b-02	(25mm dia) PN-10	Mtr	512.05			
7	24-30-b-04	(40 mm dia) PN-10	Mtr	488.41			
8	24-30-b-05	(50 mm dia) PN-10	Mtr	650.99			
		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	4.00			
10	24-52-d	2" (50 mm) dia	Each	3.00			
		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-09	4" dia	Mtr	32.06			
CONSTRUCTION OF VALVE CHAMBER							
12	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	4.76			
13	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.45			
14	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	2.48			
15	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	10.87			
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	3.00			
17	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.36			
18	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.05			
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	4.46			

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund,
Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Shinkotai Mamund)

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	
Sub Total Rs.							
Add 8% Area Factor							
Total Amount Rs. (S.I)							
Non Schedule Items							
20	NSI	Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00			
21	NSI	Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).	Each	1.00			
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	1.00			
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund, Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Shinkotai Mamund)

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	
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	6.00			
2	15-46	Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood	Each	2.00			
3	15-15	Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder	Each	2.00			
4	15-11-a-02	Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp	Each	1.00			
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	2.00			
6	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	4.00			
7	15-20-b	Supply and Erection 3 pin switch & plug combined recessed type : 10/15 Amp	Each	1.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Mtr	30.00			
Sub Total Rs.							
Add 8% Area Factor							
Grand Total Amount Rs.							

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

**Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar
Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur**

Contract Package : BJ-CW-R-01 (DWSS Lar Khalozai Mamund)

BILL OF QUANTITIES

SUMMARY

Bill No.	Description	Amount (Rs.)
1	Civil Works for Dismantling Pump Chamber, Chowkidar Hut, Boundary Wall Repair & Solar Yard work	
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lar Khalozai Mamund)

BILL OF QUANTITIES

Bill No.1 CIVIL WORKS FOR DISMANTLING PUMP CHAMBER ,CHOWKIDAR HUT,BOUNDARY WALL REPAIR & SOLAR YARD WORK

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	20.70			
2	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	3.58			
3	11-09-b	Cement plaster 1:2, upto 20' height 1/2" thick	Sqm	37.17			
4	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	14.87			
5	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	14.87			
6	11-23-b-02	White washing: Old surface : Two coats	Sqm	386.62			
7	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	79.24			
8	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.91			
9	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	8.49			
10	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	90.71			
11	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	15.54			
					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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lar Khalozai Mamund)

BILL OF QUANTITIES

Bill No.2 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 pilelines upto 1.5m depth	Cum	1100.02			
2	07-30'	Supplying and filling sand under floor or plugging in wells (Under Pipe)	Cum	91.67			
3	03-67-c	Structural backfill using Common Material available at site	Cum	916.68			
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" (75 mm) 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	b) 3" (75 mm) dia	Each	5.00			
8	24-52-d	b) 2" (50 mm) dia	Each	7.00			
		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.					
9	24-16-c-06	b) 2" dia	Mtr	42.48			
		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.					
10	24-30-b-02	(25mm dia) PN-10	Mtr	876.84			
11	24-30-b-04	(40mm dia) PN-10	Mtr	1200.43			
12	24-30-b-05	(50 mm dia) PN-10	Mtr	554.22			
13	24-30-b-07	(75 mm dia) PN-10	Mtr	44.52			
CONSTRUCTION OF VALVE CHAMBER							
14	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	3.17			
15	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.30			
16	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	1.66			
17	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	7.25			
18	24-33-d	Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 24" x24"	Each	2.00			
19	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.24			

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lar Khalozai Mamund)

BILL OF QUANTITIES

Bill No.2 DISTRIBUTION SYSTEM REPAIR / REPLACEMENT

S.No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (PKRs)		Amount (PKRs)
					In Figure	In Words	
20	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.03			
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	100 Sft	2.97			
Sub Total Rs.							
Add 8% Area Factor							
G. Total Amount Rs.							
Non Schedule Items							
22	NSI	Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00			
23	NSI	Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).	Each	1.00			
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 hypoclorite liquid.	Each	1.00			
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lar Khalozai Mamund)

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	6.00			
2	15-68-c	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" sweep	Each	1.00			
3	15-46	Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood	Each	2.00			
4	15-15	Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder	Each	2.00			
5	15-11-a-02	Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp	Each	1.00			
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	2.00			
7	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	4.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Mtr	25.00			
9	15-172	Supply and installation of Fan dimmer switch	Each	1.00			
10	15-25.	Supply and Erection girder clamp hook, 5/8" dia.for hanging ceiling fans	Each	1.00			
Sub Total Rs.							
Add 8% Area Factor							
G. Total Amount Rs.							

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Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lar Khalozai Mamund)

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 (PKRs)
					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' hight 1/2" thickness	Sqm	14.71			
9	11-18-a	Cement pointing struck joints on walls upto 20' hight (Ratio 1:3)	Sqm	36.51			
10	10-03-a	Provide,lay ,water & ram clean coarse sand under floor/brick paving,complete.	Sqm	15.11			
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 marbllel 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			

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lar Khalozai Mamund)

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 (PKRs)
					In Figure	In Words	
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			
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 Rs.
							Add 8% Location factor
							G.Total Rs.

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

**Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar
Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur**

Contract Package : BJ-CW-R-01 (DWSS Umaray Mamund)

BILL OF QUANTITIES

SUMMARY

Bill No.	Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber, Chowkidar Hut , Boundary Wall & Solar Yard Construction	
2	Distribution System Repair & Re-alignment	
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Umaray Mamund)

BILL OF QUANTITIES

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

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	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	39.59			
3	11-23-b-02	White washing: Old surface : Two coats	Sqm	54.83			
4	11-23-a-02	White washing: New surface : Two coats	Sqm	4.00			
5	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	58.55			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	20.45			
7	09-01	First class tile roofing including earth, mud plaster, gobi leeping, cement plaster etc complete	Sqm	40.15			
8	11-21-b-02	Distemping old surface : Two coats	Sqm	118.96			
9	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	38.48			
10	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	38.48			
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	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	48.77			
13	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	1.50			
14	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.89			
15	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	44.61			
16	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	6.80			
17	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	3.40			
				Total Rs.			
				Add 8% Area Factor			
				Total Amount Rs.			

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Umaray Mamund)

BILL OF QUANTITIES

Bill No.2. DISTRIBUTION SYSTEM REPAIR & RE-ALIGNMENT

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	525.95			
2	07-30'	Supplying and filling sand under floor or plugging in wells (Under Pipe)	Cum	43.83			
3	03-67-c	Structural backfill using Common Material available at site	Cum	438.29			
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	24-22-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			
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" (100 mm) dia	Each	3.00			
8	24-52-d	2" (50 mm) dia	Each	8.00			
		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	947.18			
10	24-30-b-04	(40 mm dia) PN-10	Mtr	152.25			
11	24-30-b-05	(50 mm dia) PN-10	Mtr	158.77			
		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	13.58			
13	24-16-c-06	2" Nominal Pipe Size (NPS)	Mtr	37.07			
CONSTRUCTION OF VALVE CHAMBER							
14	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	3.17			
15	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.30			
16	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	1.66			
17	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	7.25			
18	24-33-d	Supplying and fixing, cast iron manhole cover with frame, etc. (Heavy Type) of approved quality complete. 24" x24'.	Each	2.00			
19	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.24			

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund,
Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Umaray Mamund)

BILL OF QUANTITIES

Bill No.2. DISTRIBUTION SYSTEM REPAIR & RE-ALIGNMENT

S.No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (PKRs)		Amount (PKRs)
					In Figure	In Words	
20	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.03			
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	2.97			
Sub Total Rs.							
Add 8% Area Factor							
Total Amount Rs.							
Non Schedule Items							
22	NSI	Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00			
23	NSI	Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).	Each	1.00			
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	1.00			
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Umaray Mamund)

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)
1	15-50	Wiring of light/fan/call-bell point in 3/0.029" PVC insulated bare cable in PVC pipe recessed	Each	6.00			
2	15-68-c	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" sweep	Each	1.00			
3	15-46	Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood	Each	2.00			
4	15-15	Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder	Each	2.00			
5	15-11-a-02	Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp	Each	1.00			
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	2.00			
7	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	4.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Mtr	25.00			
9	15-172	Supply and installation of Fan dimmer switch	Each	1.00			
10	15-25.	Supply and Erection girder clamp hook, 5/8" dia.for hanging ceiling fans	Each	1.00			
Sub Total Rs.							
Add 8% Area Factor							
Total Amount Rs.							

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

**Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar
Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur**

Contract Package : BJ-CW-R-01 (DWSS Lagharai Mamund)

BILL OF QUANTITIES

SUMMARY

Bill No.	Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber, PV Boundary Wall & Surface Tank	
2	Rising Man & Distribution System Repair / Replacement, Construction of Valve Chamber	
3	Electrical work for Pump Chamber	
	Total Cost Rs.	

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lagharai Mamund)

BILL OF QUANTITIES

Bill No.1: CIVIL WORKS - FOR REPAIR OF PUMP CHAMBER, PV BOUNDARY WALL & SURFACE TANK

S.No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (PKRs)		Amount (PKRs)
					In Figure	In Words	
1	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	73.42			
2	07-05-a03	1st class brick work in ground floor Cement, sand mortar 1:4	Cum	0.46			
3	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	9.29			
4	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	2.12			
5	11-21-a-02	Distempering New surface : Two coats	Sqm	46.47			
6	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	23.51			
7	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	23.51			
8	11-23-b-02	White washing: Old surface : Two coats	Sqm	133.46			
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	3.66			
10	11-.29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	1182.75			
11	24-33-d	Supplying and fixing, cast iron manhole cover with frame, etc. (Heavy Type) of approved quality complete. 24" (600 mm) dia.	EACH	2.00			
12	09-01.	First class tile roofing including earth, mud plaster, gobi leeping, cement plaster etc complete	Sqm	9.29			
13	10-41-a-01	Mosaic dado or skirting complete as per specs Using grey cement : 3/8" thick	Sqm	65.43			
					Total Rs.		
					Add 8% Area Factor		
					G. Total Amount Rs.		

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lagharai Mamund)

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	1966.37			
2	07-30'	Supplying and filling sand under floor or plugging in wells (Under Pipe)	Cum	163.86			
3	03-67-c	Structural backfill using Common Material available at site	Cum	1638.64			
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	24-22-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			
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 reinstation to its original position after refilling with exexcavated material etc: complete in all respect of the following sizes.					
7	24-52-b	4" (100 mm) dia	Each	3.00			
		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.					
8	24-16-c-09	4" Nominal Pipe Size (NPS)	Mtr	36.90			
		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	1145.00			
10	24-30-b-04	(40 mm dia) PN-10	Mtr	1715.00			
11	24-30-b-05	(50 mm dia) PN-10	Mtr	1340.00			
12	24-30-b-06	(63 mm dia) PN-10	Mtr	204.00			
13	24-30-b-07	(75 mm dia) PN-10	Mtr	300.00			
CONSTRUCTION OF VALVE CHAMBER							
14	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	3.17			
15	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.30			
16	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	1.66			
17	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	7.25			

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lagharai Mamund)

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	
18	24-33-d	Supplying and fixing, cast iron manhole cover with frame, etc. (Heavy Type) of approved quality complete. 24" (600 mm) dia.	Each	2.00			
19	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.24			
20	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.03			
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	2.97			
Sub Total Rs.							
Add 8% Area Factor							
G. Total Amount Rs.							
Non Schedule Items							
22	NSI	Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00			
23	NSI	Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).	Each	1.00			
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	1.00			
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Lagharai Mamund)

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	4.00			
2	15-46	Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood	Each	2.00			
3	15-15	Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder	Each	2.00			
4	15-11-a-02	Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp	Each	1.00			
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	1.00			
6	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	4.00			
7	15-20-b	Supply and Erection 3 pin switch & plug combined recessed type : 10/15 Amp	Each	2.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Mtr	20.00			
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar
Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur**

Contract Package : BJ-CW-R-01 (DWSS Tarkho Mamund)

BILL OF QUANTITIES

SUMMARY

Bill No.	Description	Amount (Rs.)
1	Civil Work for pump Chamber & Boundary Wall	
2	Distribution System Repair / Replacement & Construction of Valve Chamber	
3	Electrical Work For Pump Chamber	
	Total Cost Rs.	

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Tarkho Mamund)

BILL OF QUANTITIES

Bill No.1: CIVIL WORKS FOR PUMP CHAMBER & BOUNDARY WALL

S.No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (PKRs)		Amount (PKRs)
					In Figure	In Words	
1	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	46.89			
2	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	19.52			
3	07-05-a-03	1st class brick work in ground floor Cement, sand mortar 1:4	Cum	0.42			
4	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	0.80			
5	09-.01	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	9.29			
6	11-21-b-02	Distempering Old surface : Two coats	Sqm	46.47			
7	13-03-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	22.40			
8	13-03-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	22.40			
9	11-23-b-02	White washing: Old surface : Two coats	Sqm	74.26			
10	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			
11	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			
12	25-46	Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position	Mtr	3.66			
13	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			
14	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	5.10			
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	66.91			
17	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	11.47			
18	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
19	27-18-b	Extraction of Turbine/Submersible Pump & overing/installation of the same after necessary repair (Above 200 ft)	Rft	210.00			

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund, Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Tarkho Mamund)

BILL OF QUANTITIES

Bill No.1: CIVIL WORKS FOR PUMP CHAMBER & BOUNDARY WALL

S.No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (PKRs)		Amount (PKRs)
					In Figure	In Words	
					Total Rs.		
					Add 8% Area Factor		
					G. Total Amount Rs.		
20	NSI	Providing, Furnishing, Analysing, recommendations and reports generation/submission (hard and soft copy) for existing 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	1.00			
					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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Tarkho Mamund)

BILL OF QUANTITIES

Bill No.2: 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	1306.92			
2	07-30'	Supplying and filling sand under floor or plugging in wells (Under Pipe)	Cum	108.91			
3	03-67-c	Structural backfill using Common Material available at site	Cum	1089.10			
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 excavated material etc: complete in all respect of the following sizes.					
9	24-52-c	3" (75 mm) dia	Each	3.00			
		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-05	1.5"	Meter	38.48			
11	24-16-c-08	3"	Meter	16.12			
		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. (Existing Pipe)					
12	24-30-b-06	(63 mm dia) PN-10	Meter	6.38			
		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.					
13	24-30-b-02	(25 mm dia) PN-10	Meter	457.67			
14	24-30-b-04	(40 mm dia) PN-10	Meter	1464.90			
15	24-30-b-05	(50 mm dia) PN-10	Meter	580.54			
16	24-30-b-07	(75 mm dia) PN-10	Meter	623.34			
CONSTRUCTION OF VALVE CHAMBER							
17	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	4.76			

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

Rehabilitation of Existing Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Tarkho Mamund)

BILL OF QUANTITIES

Bill No.2: DISTRIBUTION SYSTEM REPAIR / REPLACEMENT

S.No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (PKRs)		Amount (PKRs)
					In Figure	In Words	
18	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.45			
19	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	2.48			
20	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	10.87			
21	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			
22	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.36			
23	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.05			
24	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							
25	NSI	Supply & Erection of Pressure Guage 100 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00			
26	NSI	Supply & Erection of Flow Meter 100 mm Dia Complete In all respects (Digital).	Each	1.00			
27	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			
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund, Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01 (DWSS Tarkho Mamund)

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	4.00			
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	1.00			
3	15-46	Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood	Each	1.00			
4	15-15	Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder	Each	1.00			
5	15-11-a-02	Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp	Each	1.00			
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	2.00			
7	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	4.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Mtr	35.00			
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 Drinking Water Supply Schemes Shinkotai Mamund, Lar Khalozai Mamund , Umaray Mamund, Lagharai Mamund, Tarkho Mamund District Bajaur

Contract Package : BJ-CW-R-01

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	2			
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	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). Including the refilling of used chemical and replacement of expired chemical.	Each Site	5			
5	Fire alarm (Signal Transmission: Wired Alarm, Working Principle: Manual Alarm Button)	Each Site	2			
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). Including the refilling of the contents and replacement of expired content.	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	2			
Total Amount						