



Project Implementation Unit (PIU)
Khyber Pakhtunkhwa Rural Investment and Institutional
Support Project (KP-RIISP)
Public Health Engineering Department (PHED)
Government of Khyber Pakhtunkhwa (GOKP)

PROCUREMENT OF SMALL WORKS
INTEGRATED WATER SUPPLY & SANITATION -
REHABILITATION OF EXISTING SCHEMES,
TEHSILS JAMRUD & LANDI KOTAL, DISTRICT KHYBER
RFB No. KH-CW-R-02

BILL OF QUANTITIES

March 2026

BILL OF QUANTITIES

Preamble

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices as given in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract.
3. The rates and prices as given in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all costs of Contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract. Furthermore, all duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to deadline for submission of Bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the Contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works, or the same shall be determined by the Engineer in accordance with Conditions of Contract.
6. General directions and description of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Bill of Quantities.
7. The following abbreviations for units have been used in Bill of Quantities:

Units		Abbreviations
Cubic Meter	=	Cum
Square Meter	=	Sqm
Meter	=	Mtr

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package No. RFB-KH-CW-R-02

BILL OF QUANTITIES

GRAND SUMMARY

S. No.	Description	Amount (Rs.)
1	Water Supply Schemes	
2	Sanitation Schemes	
	Total	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package No. RFB-KH-CW-R-02

BILL OF QUANTITIES

WATER SUPPLY SCHEMES

SUMMARY OF COST

S. No.	Name of Scheme	Amount (Rs.)
1	DWSS Gundi Sher Khan Khel	
2	DWSS Malak SadUllah Khan	
3	DWSS TD Bazar Jamrud Wali Bagh	
4	DWSS Jamal Khel	
5	DWSS H.Hayat Khan Niki Khel	
6	DWSS Wali Khel Gul Wali	
7	E&S Compliance	
	Total	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contact Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Gundi Sher Khan Khel

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber Chowkidar Room, Boundary Wall , Storage Tank and Solar Yard.	
2	Distribution System Replacement and Rising Main Repair , Construction of Valve Chamber	
3	Electrical Work for Pump Chamber & Chowkidar Room	
4	Construction of New Boundary Wall (60'x50')	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Gundi Sher Khan Khel

Bill No. 1: Civil Works for Repair of Pump Chamber Chowkidar Room, Boundary Wall , Storage Tank and Solar Yard

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	04-22-a	Dismantling 1st class tile roofing	Sqm	40.15			
2	07-05-a-03	1st class brick work in ground floor Cement, sand mortar 1:4	Cum	0.85			
3	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	46.10			
4	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	13.38			
5	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	4.84			
6	09-01.	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	40.15			
7	11-21-b-02	Distempering Old surface : Two coats	Sqm	99.26			
8	11-21-a-02	Distempering New surface : Two coats	Sqm	18.59			
9	11-23-b-02	White washing: Old surface : Two coats	Sqm	127.56			
10	11-23-a-02	White washing: New surface : Two coats	Sqm	7.43			
11	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	148.70			
12	24-18-a-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Meter	7.31			
13	25-43	Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.	Meter	58.52			
14	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	40.52			
15	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	40.52			
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	0.37			
17	13-03-c-01	Prepare & Paint new surface, doors & windows Priming coat	Sqm	5.20			
18	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	129.10			
19	25-46	Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position	Meter	3.51			
20	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	5.78			
21	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage(Solar Yard)	Cum	11.55			

22	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	75.84			
23	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	11.55			
24	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
25	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	280.00			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
Non Schedule Items (NSI)							
26	NSI	<p>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:</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 (N.S.I)							
G.Total Amount (S.I + N.S.I)							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Gundi Sher Khan Khel

Bill No. 2: Distribution System Replacement and Rising Main Repair

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	2253.48			
2	03-67-c	Structural backfill using Common Material available at site	Cum	2253.48			
3	24-44-a	Providing and Fixing of Reflux valves/Non return valve (NRV) 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 3" (75 mm) dia of Valve	Each	1.00			
4	24-24-a-02	Providing and fixing of air valve of BSS quality and weight BS 1074 complete with jointing material single air valve 2.5" (65 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	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	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-04	(40 mm dia) PN-10	Meter	3225.00			
9	24-30-b-05	(50 mm dia) PN-10	Meter	1605.00			
10	24-30-b-07	(75 mm dia) PN-10	Meter	565.00			
11	24-16-c-09	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. 4" Nominal Pipe Size (NPS)	Meter	11.50			
CONSTRUCTION OF VALVE CHAMBER							
12	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	4.82			
13	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	0.68			
14	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.04			
15	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	1.60			
16	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	5.48			
17	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.29			
18	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.06			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							

Non Schedule Items (NSI)							
19	NSI	Providing & Fixing commissioning of Hypo Chlorinator (make Etatraon Italy (Non Digital or equivalent) consisting of multifunction dosing pump having capacity of 7 Liter/hour and operating pressure of 7 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			
20	NSI	Supply & Erection of Flow Meter 63 mm Dia Complete In all respects (Digital).	Each	1.00			
Total Amount (N.S.I)							
G.Total Amount (S.I + N.S.I)							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Gundi Sher Khan Khel

Bill No. 3: Electrical Work for Pump Chamber & Chowkidar Room

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	6.00			
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	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 of iron/aluminium clad, 500V 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	Meter	40.00			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Gundi Sher Khan Khel

Bill No. 4: Construction of New Boundary Wall

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	24.95			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.22			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	14.03			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	15.55			
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	22.80			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	122.64			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	122.64			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.40			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	122.64			
10	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	122.64			
11	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	7.32			
12	03-67-c	Structural backfill using Common Material available at site.	Cum	31.16			
13	25-43	Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.	Meter	67.053			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contact Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malak SadUllah Khan

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber , Existing Storage Tank ,Boundary Wall & Solar Yard.	
2	Distribution System Replacement and Rising Main Repair , Construction of Valve Chamber	
3	Electrical Work for Pump Chamber	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malak SadUllah Khan

Bill No. 1: Civil Works for Repair of Pump Chamber , Existing Storage Tank , Boundary Wall & Solar Yard.

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	04-22-a	Dismantling 1st class tile roofing	Sqm	9.29			
2	07-05-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	1.85			
3	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	100.83			
4	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	13.94			
5	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	1.05			
6	09-.01	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	9.29			
7	11-21-b-02	Distempering Old surface : Two coats	Sqm	46.47			
8	11-23-b-02	White washing: Old surface : Two coats	Sqm	78.07			
9	11-23-a-02	White washing: New surface : Two coats	Sqm	11.57			
10	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	99.44			
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)	Meter	3.66			
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.	Meter	85.34			
13	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	32.18			
14	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	32.18			
15	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	104.03			
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	0.37			
17	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	7.08			
18	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.89			
19	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	92.94			
20	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	15.93			
21	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
22	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	290.00			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							

Non Schedule Items						
23	NSI	<p>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:</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 (N.S.I)						
G.Total Amount (S.I + N.S.I)						

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malak SadUllah Khan

Bill No. 2: Distribution System Replacement and Rising Main Repair

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	1212.58			
2	03-67-c	Structural backfill using Common Material available at site	Cum	1212.58			
3	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			
4	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			
5	27-51	Replacing of pressure gauge 0 to 500	No	1.00			
		Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.					
6	24-30-b-04	(40 mm dia) PN-10	Meter	2607.00			
7	24-30-b-05	(50 mm dia) PN-10	Meter	234.00			
8	24-30-b-07	(75 mm dia) PN-10	Meter	62.00			
9	24-16-c-09	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. 4" Nominal Pipe Size (NPS)	Meter	7.00			
CONSTRUCTION OF VALVE CHAMBER							
10	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	4.15			
11	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	0.68			
12	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.04			
13	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	1.60			
14	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	5.48			
15	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.29			
16	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.06			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
Non Schedule Items							
17	NSI	Providing & Fixing commissioning of Hypo Chlorinator (make Etatraon Italy (Non Digital or equivalent) consisting of multifunction dosing pump having capacity of 7 Liter/hour and operating pressure of 7 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			
18	NSI	Supply & Erection of Pressure Guage 110 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00			
19	NSI	Supply & Erection of Flow Meter 110 mm Dia Complete In all respects (Digital).	Each	1.00			
Total Amount (N.S.I)							
G.Total Amount (S.I + N.S.I)							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malak SadUllah Khan

Bill No. 3: Electrical Work for Pump Chamber

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	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	1.00			
7	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	2.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Meter	25.00			
Sub-Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contact Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - TD Bazar Jamrud Wali Bagh

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber Chowkidar Hut, Boundary Wall and Storage Tank	
2	Distribution System Replacement and Rising Main Repair , Construction of Valve Chambers and Under Ground Chamber	
3	Electrical Works for Pump Chamber Chowkidar Hut	
4	Construction of New Tubewell	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - TD Bazar Jamrud Wali Bagh

Bill No. 1: Civil Works for Repair of Pump Chamber Chowkidar Hut, Boundary Wall and Storage Tank

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	04-22-a	Dismantling 1st class tile roofing	Sqm	40.15			
2	07-05-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	4.46			
3	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	112.27			
4	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	61.34			
5	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	5.41			
6	09-01	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	40.15			
7	11-21-a-02	Distempering New surface : Two coats	Sqm	27.88			
8	11-21-b-02	Distempering Old surface : Two coats	Sqm	117.47			
9	11-23-b-02	White washing: Old surface : Two coats	Sqm	69.70			
10	11-23-a-02	White washing: New surface : Two coats	Sqm	46.84			
11	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	147.77			
12	24-18-a-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Meter	7.31			
13	25-46	Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position	Meter	3.66			
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.	Meter	15.24			
15	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	36.06			
16	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	36.06			
17	13-03-c-01	Prepare & Paint new surface, doors & windows Priming coat	Sqm	4.46			
18	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	39.87			
19	03-68-a	Granular Backfill	Cum	7.66			
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 (2' x 2' Roof Cover)	Sqm	0.37			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - TD Bazar Jamrud Wali Bagh

Bill No. 2: Distribution System Replacement and Rising Main Repair

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	1060.12			
2	03-67-c	Structural backfill using Common Material available at site	Cum	1060.12			
3	24-44-a	Providing and Fixing of Reflux valves/Non return valve (NRV) 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 3" (75 mm) dia of Valve	Each	1.00			
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	No	1.00			
		Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with excavated material etc: complete in all respect of the following sizes.					
7	24-52-c	3" (100 mm) dia	Each	1.00			
8	24-52-d	2" (100 mm) dia	Each	2.00			
		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-04	(40 mm dia) PN-10	Meter	1601.00			
10	24-30-b-05	(50 mm dia) PN-10	Meter	937.00			
		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-08	3" Nominal Pipe Size (NPS)	Meter	311.00			
12	24-16-c-06	2" Nominal Pipe Size (NPS)	Meter	456.00			
13	24-16-c-05	1.5" Nominal Pipe Size (NPS)	Meter	190.00			
CONSTRUCTION OF VALVE CHAMBER							
14	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	9.34			
15	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	1.19			
16	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.06			
17	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	10.86			
18	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	13.79			
19	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.43			
20	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.09			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							

Non Schedule Items						
21	NSI	Providing & Fixing commissioning of Hypo Chlorinator (make Etatraon Italy (Non Digital or equivalent) consisting of multifunction dosing pump having capacity of 7 Liter/hour and operating pressure of 7 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		
22	NSI	Supply & Erection of Pressure Guage 75 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00		
23	NSI	Supply & Erection of Flow Meter 75 mm Dia Complete In all respects (Digital).	Each	1.00		
Total Amount (N.S.I)						
G.Total Amount (S.I + N.S.I)						

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - TD Bazar Jamrud Wali Bagh

Bill No. 3: Electrical Work for Pump Chamber Chowkidar Hut

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	6.00			
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	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 of iron/aluminium clad, 500V 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	Meter	40.00			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - TD Bazar Jamrud Wali Bagh

Bill No. 4: Construction of Tube Well

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	Meter	91.44			
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	Meter	6.10			
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	Meter	54.86			
6	24-05	Collection and submission at approved water testing laboratory of two water samples in bottles from each bore hole for testing.	Per Set	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)	Meter	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)	Meter	123.44			
12	24-18-a-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches(conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Meter	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:-	Meter	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 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contact Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Jamal Khel

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber Chowkidar Room Solar Yard and Existing Boundary Wall	
2	Distribution System Replacement , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber Chowkidar Room	
4	Extension of Boundary Wall (60'x50')	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contact Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Jamal Khel

Bill No. 1: Civil Works for Repair of Pump Chamber & Chowkidar Room Solar Yard and Existing Boundary Wall

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	04-22-a	Dismantling 1st class tile roofing	Sqm	40.15			
2	09-01.	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	40.15			
3	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	16.36			
4	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	0.76			
5	07-05-a-03	1st class brick work in ground floor Cement, sand mortar 1:4	Cum	0.57			
6	11-21-b-02	Distempering Old surface : Two coats	Sqm	116.36			
7	11-23-b-02	White washing: Old surface : Two coats	Sqm	118.22			
8	11-23-a-02	White washing: New surface : Two coats	Sqm	10.78			
9	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	146.19			
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)	Meter	7.31			
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.	Meter	53.64			
12	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	40.71			
13	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	40.71			
14	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			
15	25-46	Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position	Meter	3.66			
16	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	5.78			
17	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.89			
18	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	75.84			
19	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	13.00			
20	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
21	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	330.00			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							

Non Schedule Item						
22	NSI	<p>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:</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 (N.S.I)						
G.Total Amount (S.I + N.S.I)						

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Jamal Khel

Bill No. 2: Distribution System Replacement

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	693.80			
2	03-67-c	Structural backfill using Common Material available at site	Cum	693.80			
3	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			
4	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			
5	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.					
6	24-52-c	3" (75 mm) dia	Each	2.00			
		Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.					
7	24-30-b-04	(40 mm dia) PN-10	Meter	1264.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	155.00			
9	24-30-b-07	(75 mm dia) PN-10	Meter	242.00			
CONSTRUCTION OF VALVE CHAMBER							
10	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	4.82			
11	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	0.68			
12	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.04			
13	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	1.60			
14	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	5.48			
15	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.29			
16	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.06			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
Non Schedule Items							
17	NSI	Providing & Fixing commissioning of Hypo Chlorinator (make Etatraon Italy (Non Digital or equivalent) consisting of multifunction dosing pump having capacity of 7 Liter/hour and operating pressure of 7 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			
18	NSI	Supply & Erection of Flow Meter 63 mm Dia Complete In all respects (Digital).	Each	1.00			
Total Amount (N.S.I)							
G.Total Amount (S.I + N.S.I)							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Jamal Khel

Bill No. 3: Electrical Work for Pump Chamber and Chowkidar Room

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	6.00			
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	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 of iron/aluminium clad, 500V 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	Meter	40.00			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Jamal Khel

Bill No. 4: Extension of Boundary Wall

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	24.95			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.22			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	14.03			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	14.43			
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	22.80			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	122.64			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	122.64			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.40			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	122.64			
10	11-.29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	122.64			
11	03-67-c	Structural backfill using Common Material available at site.	Cum	31.16			
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.	Meter	67.053			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contact Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - H.Hayat Khan Niki Khel

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber, Boundary Wall, Storage Tank and Solar Yard	
2	Distribution System Replacement and Rising Main Repair, Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of Boundary Wall (60'x50')	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - H.Hayat Khan Niki Khel

Bill No. 1: Civil Works for Repair of Pump Chamber, Boundary Wall, Storage Tank and Solar Yard

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	04-22-a	Dismantling 1st class tile roofing	Sqm	9.29			
2	07-05-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Sqm	1.13			
3	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	82.62			
4	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	27.88			
5	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	1.49			
6	09-.01	First class tile roofing including earth, mud plaster, gobi leeping, cement plaster etc complete	Sqm	9.29			
7	11-21-b-02	Distemping Old surface : Two coats	Sqm	46.47			
8	11-23-b-02	White washing: Old surface : Two coats	Sqm	185.87			
9	11-23-a-02	White washing: New surface : Two coats	Sqm	11.99			
10	11-.29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	225.46			
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)	Meter	3.66			
12	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	6.74			
13	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	6.74			
14	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	323.25			
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 compl	Meter	4.88			
16	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	30.00			
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	75.84			
19	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	11.55			
20	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	5.78			
21	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			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - H.Hayat Khan Niki Khel

Bill No.2: Distribution System Replacement and Rising Main Repair

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	2343.70			
2	03-67-c	Structural backfill using Common Material available at site	Cum	2343.70			
3	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			
4	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			
5	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.					
6	24-52-b	4" (100 mm) dia	Each	7.00			
		Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.					
7	24-30-b-04	(40 mm dia) PN-10	Meter	2861.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	660.00			
		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-08	3" Nominal Pipe Size (NPS)	Meter	262.00			
10	24-16-c-09	4" Nominal Pipe Size (NPS)	Meter	126.40			
CONSTRUCTION OF VALVE CHAMBER							
11	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	4.82			
12	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	0.68			
13	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.04			
14	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	1.60			
15	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	5.48			
16	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.29			
17	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.06			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							

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

INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - H.Hayat Khan Niki Khel

Bill No.2: Distribution System Replacement and Rising Main Repair

S. No	MRS 2025 B-I	Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs.)
Non Schedule Items						
18	NSI	Providing & Fixing commissioning of Hypo Chlorinator (make Etatraon Italy (Non Digital or equivalent) consisting of multifunction dosing pump having capacity of 7 Liter/hour and operating pressure of 7 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		
19	NSI	Supply & Erection of Flow Meter 63 mm Dia Complete In all respects (Digital).	Each	1.00		
Total Amount (N.S.I)						
G.Total Amount (S.I + N.S.I)						

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - H.Hayat Khan Niki Khel

Bill No.3: Electrical Work for Pump Chamber

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	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	1.00			
7	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	2.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Meter	25.00			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - H.Hayat Khan Niki Khel

Bill No. 4: Construction of Boundary Wall

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	24.95			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.22			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	14.03			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	15.55			
5	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	22.80			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	122.64			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	122.64			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.40			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	122.64			
10	11-.29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	122.64			
11	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	7.32			
12	03-67-c	Structural backfill using Common Material available at site.	Cum	31.16			
13	25-43	Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.	Mtr	67.05			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,

TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER

Contact Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Wali Khel Gul Wali

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Dismantling of Existing Pump Chamber & Solar Yard	
2	Distribution System Repair / Replacement , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of New Boundary Wall (70'x60')	
5	Construction of Pump Chamber	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Wali Khel Gul Wali

Bill No. 1: Civil Works for Dismantling of Existing Pump Chamber & Solar Yard

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	04-22-a	Dismantling 1st class tile roofing	Sqm	9.29			
2	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	3.34			
3	04-13.	Dismantling brick work in lime or cement mortar	Cum	12.50			
4	04-19-e	Dismantling : DPC of cement concrete 1.5" thick and clearing the site	Cum	3.00			
5	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.91			
6	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage(Solar Yard)	Cum	11.55			
7	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			
8	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	13.82			
9	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
10	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	330.00			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
11	NSI	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: 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			
Total Amount (N.S.I)							
G.Total Amount (S.I + N.S.I)							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Wali Khel Gul Wali

Bill No. 2: Distribution System Repair / Replacement

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	949.01			
2	03-67-c	Structural backfill using Common Material available at site	Cum	949.01			
3	24-44-a	Providing and Fixing of Reflux valves/Non return valve (NRV) 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 3" (75 mm) dia of Valve	Each	1.00			
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	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	4.00			
		Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.					
8	24-30-b-04	(40 mm dia) PN-10	Meter	1340.00			
9	24-30-b-05	(50 mm dia) PN-10	Meter	721.00			
10	24-30-b-07	(75 mm dia) PN-10	Meter	211.00			
		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" Nominal Pipe Size (NPS)	Meter	44.46			
CONSTRUCTION OF VALVE CHAMBER							
12	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	7.22			
13	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	1.01			
14	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.06			
15	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	2.41			
16	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	8.23			
17	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.43			
18	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.09			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							

19	NSI	Providing & Fixing commissioning of Hypo Chlorinator (make Etatraon Italy (Non Digital or equivalent) consisting of multifunction dosing pump having capacity of 7 Liter/hour and operating pressure of 7 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			
20	NSI	Supply & Erection of Flow Meter 63 mm Dia Complete In all respects (Digital).	Each	1.00			
Total Amount (N.S.I)							
G.Total Amount (S.I + N.S.I)							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Wali Khel Gul Wali

Bill No. 3: Electrical Works for Pump Chamber

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		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	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	1.00			
7	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	2.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Meter	25.00			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Wali Khel Gul Wali

Bill No. 4: Construction of New Boundary Wall

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	29.49			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	7.35			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	16.58			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	18.39			
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	26.94			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	144.94			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	144.94			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.48			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	144.94			
10	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	144.94			
11	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	7.32			
12	03-67-c	Structural backfill using Common Material available at site.	Cum	36.83			
13	25-43	Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.	Meter	79.24			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes - Wali Khel Gul Wali

Bill No. 5: Construction of Pump Chamber

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	6.09			
2	03-67-c	Structural backfill using Common Material available at site	Cum	1.96			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	3.84			
4	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	2.07			
5	06.-02	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	1.40			
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	10.44			
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	64.80			
11	11-23-a-03	White washing: New surface : Three coats	Sqm	17.41			
12	11-21-a-02	Distempering New surface : Two coats	Sqm	50.17			
13	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	38.55			
14	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	1.33			
15	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	40.22			
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	4.64			
17	09-.01	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	9.30			
18	11-.29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	42.82			
19	25-46	Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position	Meter	3.65			
20	06-47-c	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Horizontal	Sqm	18.60			
21	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)	Meter	3.65			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Drinking Water Supply Schemes

E&S COMPLIANCE COST

S.No.	Description	Unit	Quantity	Unit Rate (Rs.)		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), warning tape, necessary plastic and tarpulin sheet for covering of construction raw material on site and during transportation to the site	Each Site	6			
3	Handling of solid waste (storage, collection, transportation, utilization, and final disposal of solid wastes)	Each Site	6			
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	6			
5	Fire alarm (Signal Transmission: Wired Alarm, Working Principle: Manual Alarm Button)	Each Site	3			
6	Ear plugs (corded Reusable silicon Earplugs)	Each	286			
7	Safety Helmets (PE shell with vents Lining; material: Plastic Chin strap included; Adjust head size by ratchet knob)	Each	60			
8	Safety shoes (Renowned brand)	Each	60			
9	Protective goggles (Anti-fog, Anti scratch, Poly-carbonate Scratch and impact resistant, side protection sheet)	Each	60			
10	Gloves (made up of nylon, polyurethane with ironclad) and safety Vest	Each	60			
11	Dust Mask	Each	333			
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	6			
13	Ground water Quality Testing (To be performed twice: Once before the start of construction, second during the construction period)	Each site	12			
14	Noise level monitoring (Meter)	Each	3			
15	Removal of Existing Trees upto any Girth, including removal of stumps & backfilling with sand & Plantation of (10 No.s) New Trees of the Type removed at each location and as per environmental compliance requirements	Job	3			
16	Safety signboards/warning signs for each construction site including signs for; Grievance Rederess Mechanism (GRM) details, Emergency contact numbers, PPEs requirements, First Aid / Fire Extinguisher placement, emergency exit, Procedure of use of Fire Extinguisher and other construction related safety/warning signs)	Each	17			
Total Amount						

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package No. RFB-KH-CW-R-02

BILL OF QUANTITIES

SANITATION SCHEMES

SUMMARY OF COST

S. No.	Name of Scheme	Amount (Rs.)
1	DWSS Gundi Sher Khan Khel	
2	DWSS Jamal Khel	
3	DWSS H.Hayat Khan Niki Khel	
4	DWSS Wali Khel Gul Wali	
5	E&S Compliance	
	Total	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Gundi Sher Khan Khel

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Sewerage Works	
2	Construction of Septic Tanks	
3	Construction of Soakage Pits	
4	Construction of House Connection Chambers	
	Total Cost Rs.	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Gundi Sher Khan Khel

Bill No. 01: Sewerage Works

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
CIVIL WORKS FOR SEWER LINES							
1	03-51.	Excavation of trench in all kinds of soils except cutting in rock for pipelines upto 1.5m depth	Cum	320.25			
2	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	308.11			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	308.11			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	51.66			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	277.61			
6	03-67-e	Structural Backfill using Common Material brought from outside	Cum	30.50			
7	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	4.58			
8	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	260.00			
9	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	240.00			
10	04-13.	Dismantling brick work in lime or cement mortar	Cum	7.50			
11	04-19-a	Dismantling : Plain Cement Concrete 1:4:8	Cum	2.25			
12	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	2.50			
13	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	1.35			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.40			
15	06-07-b-03	RCC in raft foundation slab, base slab of column & ret. wall etc, not including in 06-07-a-03 (1:2:4)	Cum	4.00			
16	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shape - Position / Vertical	Sqm	10.00			
17	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	15.00			
STREET PAVEMENT WORKS							
18	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	37.50			
19	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	79.69			
20	16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	Cum	21.56			
21	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	Sqm	562.50			
22	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	159.38			
23	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	166.67			
				Sub Total Amount			
				Add 5% Area Factor			
				Total Amount			

KHYBER PAKHTUNKHWA RURAL INVESTMENT AND INSTITUTIONAL SUPPORT PROJECT (KP-RIISP)
INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Gundi Sher Khan Khel

Bill No. 02: Construction of Septic Tanks

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	765.956			
2	03-67-c	Structural backfill using Common Material available at site	Cum	151.919			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	37.20			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	19.719			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	37.836			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	3.151			
7	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Vertical	Sqm	51.99			
8	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	72.00			
9	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	44.00			
10	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	19.20			
11	14-144-c	Supplying and Fixing UPVC soil waste and vent pipe class B : 3" dia	Meter	5.40			
12	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	571.35			
13	06-08-a	Supply & fabricate M.S reinforcement for cement concrete (Plain bars) as Lifting Hooks (#6 / 20 mm plain bars), complete in all respects	Tonne	0.15			
14	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	114.08			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	1102.35			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	765.96			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	189.12			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	576.84			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Gundi Sher Khan Khel

Bill No. 03: Construction of Soakage Pits

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	287.52			
2	03-67-c	Structural backfill using Common Material available at site	Cum	103.13			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	3.84			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	14.52			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	1.16			
6	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	39.52			
7	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Vertica	Sqm	82.10			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	82.22			
9	07-08.	Add extra on item No. 07-07 for every 10 ft. additional height, or part thereof	Cum	6.93			
10	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	95.63			
11	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	31.50			
12	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	10.50			
13	14-37-g	Supply and Fixing Plastic manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Each	28.00			
14	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	106.97			
15	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	106.97			
16	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	180.55			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Gundi Sher Khan Khel

Bill No. 04: Construction of House Connection Chambers

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	160.389			
2	03-67-c	Structural backfill using Common Material available at site	Cum	116.647			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	16.105			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	50.105			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	349.940			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	22.06			
7	14-37-c	Supply and Fixing cast iron (CI) manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Set	75.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	222.69			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	600.00			
10	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	22.50			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	116.647			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	116.647			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	43.743			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Jamal Khel

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Sewerage Works	
2	Construction of Septic Tanks	
3	Construction of Soakage Pits	
4	Construction of House Connection Chambers	
	Total Cost Rs.	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Jamal Khel

Bill No. 01: Sewerage Works

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
CIVIL WORKS FOR SEWER LINES							
1	03-51.	Excavation of trench in all kinds of soils except cutting in rock for pipelines upto 1.5m depth	Cum	320.25			
2	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	308.66			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	308.66			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	44.21			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	278.16			
6	03-67-e	Structural Backfill using Common Material brought from outside	Cum	30.50			
7	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	4.58			
8	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	300.00			
9	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	200.00			
10	04-13.	Dismantling brick work in lime or cement mortar	Cum	1.50			
11	04-19-a	Dismantling : Plain Cement Concrete 1:4:8	Cum	2.25			
12	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	2.50			
13	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	0.45			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.43			
15	06-07-b-03	RCC in raft foundation slab, base slab of column & ret. wall etc, not including in 06-07-a-03 (1:2:4)	Cum	4.00			
16	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shape - Position / Vertical	Sqm	10.00			
17	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	15.00			
STREET PAVEMENT WORKS							
18	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	37.50			
19	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	79.69			
20	16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	Cum	21.56			
21	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	Sqm	562.50			
22	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	159.38			
23	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	166.67			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Jamal Khel

Bill No. 02: Construction of Septic Tanks

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	756.749			
2	03-67-c	Structural backfill using Common Material available at site	Cum	146.264			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	36.68			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	20.052			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	39.134			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	3.194			
7	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Vertical	Sqm	52.82			
8	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	79.00			
9	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	30.00			
10	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	21.60			
11	14-144-c	Supplying and Fixing UPVC soil waste and vent pipe class B : 3" dia	Meter	4.05			
12	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	556.16			
13	06-08-a	Supply & fabricate M.S reinforcement for cement concrete (Plain bars) as Lifting Hooks (#6 / 20 mm plain bars), complete in all respects	Tonne	0.15			
14	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	111.67			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	1082.84			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	756.75			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	182.95			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	573.80			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Jamal Khel

Bill No. 03: Construction of Soakage Pits

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	252.84			
2	03-67-c	Structural backfill using Common Material available at site	Cum	93.33			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	3.64			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	13.58			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	1.09			
6	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	35.84			
7	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Vertica	Sqm	77.43			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	73.56			
9	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	75.76			
10	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	33.00			
11	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	7.50			
12	14-37-g	Supply and Fixing Plastic manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Each	27.00			
13	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	96.97			
14	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	96.97			
15	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	155.86			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Jamal Khel

Bill No. 04: Construction of House Connection Chambers

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	128.311			
2	03-67-c	Structural backfill using Common Material available at site	Cum	93.317			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	12.884			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	40.084			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	279.952			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	17.65			
7	14-37-c	Supply and Fixing cast iron (CI) manhole cover with frame etc (Heavy Type) of approved quality complete: 24" (610 mm) dia	Set	60.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	178.15			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	480.00			
10	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	18.00			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	93.317			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	93.317			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	34.994			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - H.Hayat Khan Niki Khel

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Sewerage Works	
2	Construction of Septic Tanks	
3	Construction of Soakage Pits	
4	Construction of House Connection Chambers	
	Total Cost Rs.	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - H.Hayat Khan Niki Khel

Bill No. 01: Sewerage Works

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
CIVIL WORKS FOR SEWER LINES							
1	03-51.	Excavation of trench in all kinds of soils except cutting in rock for pipelines upto 1.5m depth	Cum	333.06			
2	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	319.47			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	319.47			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	47.52			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	287.75			
6	03-67-e	Structural Backfill using Common Material brought from outside	Cum	31.72			
7	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	4.76			
8	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	200.00			
9	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	320.00			
10	04-13.	Dismantling brick work in lime or cement mortar	Cum	1.56			
11	04-19-a	Dismantling : Plain Cement Concrete 1:4:8	Cum	2.34			
12	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	2.60			
13	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	0.47			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.65			
15	06-07-b-03	RCC in raft foundation slab, base slab of column & ret. wall etc, not including in 06-07-a-03 (1:2:4)	Cum	6.00			
16	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shape - Position / Vertical	Sqm	10.00			
17	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	20.00			
STREET PAVEMENT WORKS							
18	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	39.00			
19	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	82.88			
20	16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	Cum	22.43			
21	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	Sqm	585.00			
22	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	165.75			
23	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	173.33			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - H.Hayat Khan Niki Khel

Bill No. 02: Construction of Septic Tanks

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	661.978			
2	03-67-c	Structural backfill using Common Material available at site	Cum	125.141			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	29.97			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	17.207			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	34.463			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	2.762			
7	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Vertical	Sqm	45.03			
8	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	48.00			
9	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	48.00			
10	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	20.40			
11	14-144-c	Supplying and Fixing UPVC soil waste and vent pipe class B : 3" dia	Meter	1.80			
12	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	488.31			
13	06-08-a	Supply & fabricate M.S reinforcement for cement concrete (Plain bars) as Lifting Hooks (#6 / 20 mm plain bars), complete in all respects	Tonne	0.13			
14	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	98.06			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	951.84			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	661.98			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	155.11			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	506.87			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - H.Hayat Khan Niki Khel

Bill No. 03: Construction of Soakage Pits

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	223.82			
2	03-67-c	Structural backfill using Common Material available at site	Cum	80.48			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	2.90			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	11.01			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.88			
6	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	30.09			
7	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Vertica	Sqm	62.16			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	64.33			
9	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	78.06			
10	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	19.50			
11	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	12.00			
12	14-37-g	Supply and Fixing Plastic manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Each	21.00			
13	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	83.38			
14	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	83.38			
15	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	140.44			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - H.Hayat Khan Niki Khel

Bill No. 04: Construction of House Connection Chambers

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	245.930			
2	03-67-c	Structural backfill using Common Material available at site	Cum	178.858			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	24.695			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	76.828			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	536.575			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	33.82			
7	14-37-c	Supply and Fixing cast iron (CI) manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Set	115.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	341.46			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	920.00			
10	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	34.50			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	178.858			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	178.858			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	67.072			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Wali Khel Gul Wali

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Sewerage Works	
2	Construction of Septic Tanks	
3	Construction of Soakage Pits	
4	Construction of House Connection Chambers	
	Total Cost Rs.	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Wali Khel Gul Wali

Bill No. 01: Sewerage Works

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
CIVIL WORKS FOR SEWER LINES							
1	03-51.	Excavation of trench in all kinds of soils except cutting in rock for pipelines upto 1.5m depth	Cum	403.52			
2	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	386.19			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	386.19			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	58.43			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	347.76			
6	03-67-e	Structural Backfill using Common Material brought from outside	Cum	38.43			
7	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	5.76			
8	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	180.00			
9	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	450.00			
10	04-13.	Dismantling brick work in lime or cement mortar	Cum	1.89			
11	04-19-a	Dismantling : Plain Cement Concrete 1:4:8	Cum	2.84			
12	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	3.15			
13	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	0.57			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.65			
15	06-07-b-03	RCC in raft foundation slab, base slab of column & ret. wall etc, not including in 06-07-a-03 (1:2:4)	Cum	6.00			
16	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shape - Position / Vertical	Sqm	10.00			
17	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	18.00			
STREET PAVEMENT WORKS							
18	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	47.25			
19	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	100.41			
20	16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	Cum	27.17			
21	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	Sqm	708.75			
22	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	200.81			
23	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	210.00			
				Sub Total Amount			
				Add 5% Area Factor			
				Total Amount			

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Wali Khel Gul Wali

Bill No. 02: Construction of Septic Tanks

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	728.624			
2	03-67-c	Structural backfill using Common Material available at site	Cum	136.986			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	32.00			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	18.696			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	37.809			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	3.015			
7	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Vertical	Sqm	48.79			
8	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	41.00			
9	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	66.00			
10	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	22.80			
11	14-144-c	Supplying and Fixing UPVC soil waste and vent pipe class B : 3" dia	Meter	1.35			
12	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	539.58			
13	06-08-a	Supply & fabricate M.S reinforcement for cement concrete (Plain bars) as Lifting Hooks (#6 / 20 mm plain bars), complete in all respects	Tonne	0.14			
14	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	108.52			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	1059.40			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	728.62			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	168.98			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	559.64			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Wali Khel Gul Wali

Bill No. 03: Construction of Soakage Pits

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	258.73			
2	03-67-c	Structural backfill using Common Material available at site	Cum	90.41			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	3.11			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	12.05			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.96			
6	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	34.32			
7	06-47-d	Erection and removal of Form work with Plywood sheet finishing for RCC or Plain cement Concrete in any shpae - Position / Vertica	Sqm	67.30			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	72.99			
9	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	97.68			
10	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	16.50			
11	24-18-a-05	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. 8" Nominal Pipe Size (NPS)	Meter	16.50			
12	14-37-g	Supply and Fixing Plastic manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Each	22.00			
13	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	93.52			
14	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	93.52			
15	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	165.21			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes - Wali Khel Gul Wali

Bill No. 04: Construction of House Connection Chambers

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	224.545			
2	03-67-c	Structural backfill using Common Material available at site	Cum	163.305			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	22.547			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	70.147			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	489.916			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	30.88			
7	14-37-c	Supply and Fixing cast iron (CI) manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Set	105.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	311.76			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	840.00			
10	24-18-a-04	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. 6" Nominal Pipe Size (NPS)	Meter	31.50			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	163.305			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	163.305			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	61.240			
Sub Total Amount							
Add 5% Area Factor							
Total Amount							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL JAMRUD & LANDI KOTAL, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-02

BILL OF QUANTITIES

Sanitation Schemes

E&S COMPLIANCE COST

S.No.	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
				In Figure	In Words	
1	Provision of an E&S Specialist (Bachelor's or Master's Degree) (16 years of education) in Environmental Sciences/Engineering or Social Sciences) with atleast 3 years of relevant work experience.	Months	4			
2	Provision of green cloth, 4 colour waste bins (240 Liters), signages, 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, treatment, utilization, processing, and final disposal of solid wastes)	Months	13			
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	4			
6	Ear plugs (corded Reusable silicon Earplugs)	Each	182			
7	Safety Helmets (PE shell with vents Lining; material: Plastic Chin strap included; Adjust head size by ratchet knob)	Each	80			
8	Safety shoes (Renowned brand)	Each	40			
9	Protective goggles (Anti-fog, Anti scratch, Poly-carbonate Scratch and impact resistant, side protection sheet)	Each	40			
10	Gloves (made up of nylon, polyurethane with ironclad) and safety Vest	Each	40			
11	Dust Mask	Each	727			
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 used 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	2			
15	Capacity building and training on Health, Safety & Environment, E&S requirements for workers/staff of contractor and local community	Session	4			
16	Safety Sign Boards/Warning Signs for each construction site including signs for, Grievance Rederess Mechanism (GRM) details, Emergency Contact Numbers, PPE's requirements, First Aid / Fire Extinguishers placement, Emergency Exits, Procedure of use of Fire Extinguishers & other construction related safety / warning signs	Each	15			
Total Amount						