



**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,
TEHSIL BARA, DISTRICT KHYBER
RFB No. KH-CW-R-01**

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 BARA, DISTRICT KHYBER**

Contract Package No. RFB-KH-CW-R-01

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 BARA, DISTRICT KHYBER**

Contract Package No. RFB-KH-CW-R-01

BILL OF QUANTITIES

WATER SUPPLY SCHEMES

SUMMARY OF COST

S. No.	Name of Scheme	Amount (Rs.)
1	DWSS Hissara Shalobar Bara	
2	DWSS Ghazi Tube Well Nala MDK	
3	DWSS Hakim Khan Killi Meri Khel Aka Khel Bara	
4	DWSS Bara Tehsil	
5	DWSS Malik Doran Gul Fort Slope MDK	
6	DWSS Sam Baba Zone-A (Spin Dand)	
7	DWSS Sam Baba Zone-B	
8	DWSS Haji Abdul Qayum Toot Dand BQK	
9	DWSS Nowgazi Baba Remaining Area	
10	DWSS Janis/Tawas Khan Killi BQK	
11	DWSS Ghulam Sakhi Arjali Nadi	
12	DWSS Fazal Malik Killi Shalobar	
13	DWSS Malik Jan Killi BQK Bara (Faresh Kallay)	
14	E&S Compliance	
	Total	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hissara Shalobar Bara

SUMMARY

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

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hissara Shalobar Bara

Bill No. 1: Civil Works, Repair of Pump Chamber, 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	9.29			
2	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	18.59			
3	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	7.43			
4	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	1.88			
5	09-.01	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	9.29			
6	11-21-b-02	Distempering old surface : Two coats	Sqm	46.47			
7	11-23-b-02	White washing: Old surface : Two coats	Sqm	132.16			
8	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	148.70			
9	24-18-a-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Meter	3.66			
10	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	94.75			
11	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	94.75			
12	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	55.85			
13	25-45-a	Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete (2' x 2' Roof Cover)	Sqm	0.58			
14	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
15	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	290.00			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
Non Schedule Items							
16	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hissara Shalobar Bara

Bill No.2: Distribution System and Rising Main 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	369.25			
2	03-67-c	Structural backfill using Common Material available at site	Cum	369.25			
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			
		Repair /removal & testing of leakages in existing/ already laid pipe line i/c cost of extraction/ excavation with welding joint coating with bictumen/ red oxide and reinstallation to its original position after refilling with exexcavated material etc: complete in all respect of the following sizes.					
6	24-52-c	3" (75 mm) dia	Each	1.00			
7	24-52-d	2" (50 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.					
8	24-30-b-04	(40 mm dia) PN-10	Meter	884.00			
		Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation.					
9	24-16-c-06	2" Nominal Pipe Size (NPS)	Meter	33.35			
10	24-16-c-08	3" Nominal Pipe Size (NPS)	Meter	6.40			
11	24-16-c-09	4" Nominal Pipe Size (NPS)	Meter	4.40			
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							

Non Schedule Items							
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 Pressure Guage 110 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00			
21	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)							

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hissara Shalobar Bara

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hissara Shalobar Bara

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	13.61			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	3.39			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	7.65			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	8.45			
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	12.44			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	66.89			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	66.89			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.22			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	66.89			
10	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	66.89			
11	03-67-c	Structural backfill using Common Material available at site.	Cum	17.00			
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	36.57			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghazi Tube Well Nala MDK

SUMMARY

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

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghazi Tube Well Nala MDK

Bill No. 1: Civil Works for Repair of Pump Chamber, Boundary Wall , Storage Tank & 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 in ground floor Cement, sand mortar 1:4	Cum	1.55			
3	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	52.60			
4	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	16.73			
5	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	0.93			
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	60.04			
9	11-23-a-02	White washing: New surface : Two coats	Sqm	15.99			
10	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	91.03			
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	30.48			
13	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	37.27			
14	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	37.27			
15	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	55.85			
16	25-45-a	Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete (2' x 2' Roof Cover)	Sqm	0.58			
17	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage(Solar Yard)	Cum	38.18			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghazi Tube Well Nala MDK

Bill No.2: Distribution System and Rising Main 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 pilelines upto 1.5m depth	Cum	1051.10			
2	03-67-c	Structural backfill using Common Material available at site	Cum	1051.10			
3	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			
4	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.					
5	24-52-d	2" (50 mm) dia	Each	5.00			
6	24-52-b	4" (100 mm) dia	Each	3.00			
		Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE) Din-8074/Din-8075/ISO-4427 in trenches, complete in all respects except excavation.					
7	24-30-b-02	(25 mm dia) PN-10	Meter	304.00			
8	24-30-b-04	(40 mm dia) PN-10	Meter	2119.00			
9	24-30-b-05	(50 mm dia) PN-10	Meter	93.40			
10	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	3.90			
CONSTRUCTION OF VALVE CHAMBER							
11	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	7.22			
12	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	1.01			
13	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.06			
14	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	2.41			
15	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	8.23			
16	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.43			
17	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						
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 Pressure Guage 110 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00		
20	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)						

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TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

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Drinking Water Supply Schemes - Ghazi Tube Well Nala MDK

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)

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BILL OF QUANTITIES

Drinking Water Supply Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Distribution System Replacement and laying of Rising Main , Construction of Valve Chamber	
2	Electrical Works for Pump Chamber	
3	Construction of New Boundary Wall & Solar Yard (100'*70')	
4	Construction of New Pump Chamber	
5	Construction of New Tubewell	
6	Construction of Over Head Reservoir 10,000 Gallons	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

Bill No.1: Distribution System Replacement and laying of Rising Main

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	2967.33			
2	03-67-c	Structural backfill using Common Material available at site	Cum	2967.33			
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			
		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	4584.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	1658.00			
9	24-30-b-07	(75 mm dia) PN-10	Meter	862.00			
10	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	40.00			
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							
Non Schedule Items							
18	NSI	Providing & Fixing commissioning of Hypo Chlorinator (make Etraon 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 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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

Bill No.2: 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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

Bill No. 3: Construction of New 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	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	38.56			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	18.78			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	21.68			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	24.07			
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	35.23			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	189.53			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	189.53			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.62			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	189.53			
10	11-.29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	189.53			
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	48.16			
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	103.63			
14	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.84			
15	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	120.39			
16	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	18.35			
Sub Total Rs.							
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

Bill No. 4: Construction of Pump Chamber (10'x10')

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, gobi 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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

Bill No. 5: 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	99.06			
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	7.62			
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	76.20			
6	24-05	Collection and submission at approved water testing laboratory of two water samples in bottles from each bore hole for testing.	Job	1.00			
7	24-42	Logging of bore hole with electrical equipment and furnishing reports.	Job	1.00			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	0.57			
9	24-09-c-03	Providing and installing PVC Strainer BSS Class "D" of approved make \ quality in tube well bore hole, including socket, special sockets, studs etc. complete as per specification: 10" Nominal Pipe Size (NPS) (250 mm)	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	153.92			
12	24-18-a-01	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	182.87			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

Bill No.6: CONSTRUCTION OF OVER HEAD RESERVIOR 10,000 GALLONS

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	24-46	Testing of soil for bearing capacity & chemical contents upto any depth.	Mtr	25.00			
2	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	268.06			
3	03-36.	P/L Stone soling under foundation including consolidation etc.	Cum	11.91			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	5.79			
5	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	42.85			
6	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	37.70			
7	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	25.56			
8	06-16-a	Extra labour for laying concrete (plain or reinforced) From 20' upto 40' height	Cum	50.59			
9	06-16-b	Extra labour for laying concrete (plain or reinforced) For every extra 10' height and part thereof	Cum	55.15			
10	03-67-c	Structural backfill using Common Material available at site.	Cum	210.77			
11	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	137.84			
12	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	361.25			
13	06-47-e	Add extra to the item codes 06-46 and 06-47-a to d for Erection and removal of Form work for ornamental work in RCC or Plain cement concrete.	Sqm	499.09			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	16.42			
15	16-16	Providing and fixing GI pipe railing (3 feet high)	Mtr /3row	72.54			
16	24-34	Supplying and Fixing flat iron (2"x3/8") ladder for OHR, holes @ 15" c/c, steps of MS bars 5/8" i/d & paint complete	Mtr	10.67			
17	24-16-b-11	Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with Welded joint, using GI pipes of EN 10255 - 2004 (Medium Approved Quality) including specials etc.Complete as per specifications except excavation. 6" Nominal Pipe Size (NPS)	Mtr	7.62			
18	24-33-d	Supplying and fixing, cast iron manhole cover with frame, etc. (Heavey Type) of approved quality complete. 24" (600 mm) dia.	Each	1.00			
19	24-32-g	S/H/J MS Flanged Pipe 4" i/d 5mm thick	Mtr	60.96			
20	24-18-a-02	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. 4" Nominal Pipe Size (NPS) for wash out, over flow and air vent.	Mtr	30.48			
21	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			
22	24-22-c-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, (6" (150 mm) dia of Valve	No	1.00			

23	24-40	Supplying and Fixing PVC Water Stopper 8" wide 3/8" thick. Providing and fixing PVC water stopper 8" wide 3/8" thick in verticle (Wall/Column) or horizontal (Floor/Slab) expansion joint including cutting and jointing complete in all respects.	Meter	24.38			
24	13-08-c	Bitumen coating to plastered / cement concrete surface : 10 lbs. per 100 sft.	Sqm	54.90			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
Non Schedule Items							
25	N.S.I	Supply of Fixing of S.Steel Gauge Board 8 feet long 1-1/2 feet wide and 2" thick as per design of Engineer Incharge.	No	1.00			
26	N.S.I	Supply and fixing MS Flanged Bend 4" i/d 5mm thick for inlet & outlet pipes complete in all respect .	Each	14.00			
Total Amount (N.S.I)							
GTtotal 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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Bara Tehsil

SUMMARY

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

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Bara Tehsil

Bill No. 1: Civil Works for Repair of Pump Chamber , Boundary wall & 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	9.29			
2	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	6.69			
3	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	2.81			
4	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	0.71			
5	09-01.	First class tile roofing including earth, mud plaster, gobi leeping, cement plaster etc complete	Sqm	9.29			
6	11-21-b-02	Distempering Old surface : Two coats	Sqm	46.47			
7	11-23-b-02	White washing: Old surface : Two coats	Sqm	50.93			
8	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	25.70			
9	24-18-a-01	Providing, laying, cutting, jointing, testing and disinfecting UPVC pressure pipeline in trenches (conforming to BS 3505 manufactured) jointed with socket, elbow, tee, bend and plug bend etc.manufactured by the respective manufacturer complete as per specifications UPVC Pressure Pipes Class B (6 Bar) except excavation. 3" Nominal Pipe Size (NPS)	Mtr	3.66			
10	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	7.62			
11	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	31.44			
12	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	33.11			
13	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	55.85			
14	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
15	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	250.00			
16	25-45-a	Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete (2' x 2' Roof Cover)	Sqm	1.49			
Sub Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
Non Schedule Items							
17	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	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Bara Tehsil

Bill No.2: Distribution System and Rising Main 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	793.63			
2	03-67-c	Structural backfill using Common Material available at site	Cum	793.63			
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-d	2" (50 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	715.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	1185.00			
		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-09	4" Nominal Pipe Size (NPS)	Meter	140.00			
10	24-16-c-08	3" Nominal Pipe Size (NPS)	Meter	1031.00			
11	24-16-c-06	2" Nominal Pipe Size (NPS)	Meter	58.50			
12	24-16-c-03	1" Nominal Pipe Size (NPS)	Meter	8.70			
CONSTRUCTION OF VALVE CHAMBER							
13	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	7.22			
14	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	1.01			
15	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.06			
16	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	2.41			
17	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	8.23			
18	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.43			
19	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						
20	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		
21	NSI	Supply & Erection of Pressure Guage 75 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00		
22	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Bara Tehsil

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Doran Gul Fort Slop MDK

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Work for Plugging of Existing Borehole & Solar Yard	
2	Distribution System Replacement , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of Boundary Wall (60'x55')	
5	Construction of Pump Chamber	
6	Construction of Tubewell	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Doran Gul Fort Slop MDK

Bill No. 1: Civil Work for Plugging of Existing Borehole & Solar Yard

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-68-a	Granular Backfill for Bore Plugging	Cum	6.13			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.06			
3	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage(Solar Yard)	Cum	11.55			
4	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	79.55			
5	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	12.12			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Doran Gul Fort Slop MDK

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	616.10			
2	03-67-c	Structural backfill using Common Material available at site	Cum	616.10			
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			
		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	1006.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	436.00			
9	24-30-b-07	(75 mm dia) PN-10	Meter	33.00			
CONSTRUCTION OF VALVE CHAMBER							
10	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	7.22			
11	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	1.01			
12	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.06			
13	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	2.41			
14	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	8.23			
15	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.43			
16	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							
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Doran Gul Fort Slop MDK

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Doran Gul Fort Slop MDK

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	26.08			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.50			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	14.67			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	15.08			
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	23.83			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	128.21			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	128.21			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.42			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	128.21			
10	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	128.21			
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	32.58			
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	70.10			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Doran Gul Fort Slop MDK

Bill No. 5: Construction of Pump Chamber (10'x10')

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Doran Gul Fort Slop MDK

Bill No. 6: 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	85.34			
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	60.96			
6	24-05	Collection and submission at approved water testing laboratory of two water samples in bottles from each bore hole for testing.	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-A (Spin Dand)

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber , OverHead Reservoir & Solar Yard.	
2	Distribution System Replacement and Laying of Rising Main , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of New Boundary Wall (70'x60')	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-A (Spin Dand)

Bill No. 1: Civil Works for Repair of Pump Chamber , OverHead Reservoir & Solar Yard.

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	07-05-a-03	1st class brick work in ground floor Cement, sand mortar 1:4	Cum	0.47			
2	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	11.48			
3	11-21-a-02	Distempering New surface : Two coats	Sqm	46.47			
4	11-23-a-03	White washing: New surface : Three coats	Sqm	21.65			
5	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	1.02			
6	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	0.58			
7	09-01	First class tile roofing including earth, mud plaster, gobi leeping, cement plaster etc complete	Sqm	10.74			
8	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	98.65			
9	25-46	Erection of Steel Girder 4"x8"x3/16" (Commercial size) including fitting in position	Meter	3.66			
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	3.66			
11	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	56.07			
12	13-02-d-01	Painting old surfaces : Guard bars, gratings, railing & similar open work : First coat	Sqm	46.39			
13	13-02-d-02	Painting old surfaces : Guard bars, gratings, railing & similar work : Each subsequent coat	Sqm	46.39			
14	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.91			
15	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.89			
16	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			
17	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	15.54			
18	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
Non Schedule Items (NSI)							
19	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-A (Spin Dand)

Bill No.2: Distribution System Replacement and Laying of Rising Main

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 pilelines upto 1.5m depth	Cum	2340.36			
2	03-67-c	Structural backfill using Common Material available at site	Cum	2340.36			
3	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			
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			
		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	3452.00			
7	24-30-b-05	(50 mm dia) PN-10	Meter	1496.00			
8	24-30-b-07	(75 mm dia) PN-10	Meter	655.00			
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	110.00			
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			
Total Amount (S.I)							
Add 5% Area Factor							
Total Amount							
Non Schedule Items (NSI)							
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-A (Spin Dand)

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			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-A (Spin Dand)

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.	Mtr	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-B

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of OverHead Reservoir & Solar Yard.	
2	Distribution System Replacement and Latying of Rising Main , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of New Boundary Wall (70'x60')	
5	Construction of New Pump Chamber	
6	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-B

Bill No. 1: Civil Works for Repair of OverHead Reservoir & Solar Yard.

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	49.49			
2	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	56.07			
3	24-34	Supplying and Fixing flat iron (2"x3/8") ladder for OHR, holes @ 15" c/c, steps of MS bars 5/8" i/d & paint compl	Mtr	23.32			
4	13-02-d-01	Painting old surfaces : Guard bars, gratings, railing & similar open work : First coat	Sqm	46.39			
5	13-02-d-02	Painting old surfaces : Guard bars, gratings, railing & similar work : Each subsequent coat	Sqm	46.39			
6	13-03-d-01	Prepare & Paint new surfaces of guard bars, railing & similar open work : Priming coat	Sqm	39.03			
7	13-03-d-02	Prepare & Paint new surfaces of guard bars, railing & similar work : Each subsequent coat	Sqm	39.03			
8	03-67-d	Structural Backfill using Granular Material brought from outside Existing borehole plugging	Cum	3.23			
9	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.91			
10	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.89			
11	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			
12	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	15.54			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-B

Bill No.2: Distribution System Replacement and Laying of Rising Main

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	1418.50			
2	03-67-c	Structural backfill using Common Material available at site	Cum	1418.50			
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			
		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	1660.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	1091.00			
9	24-30-b-07	(75 mm dia) PN-10	Meter	645.00			
10	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	60.00			
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							
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-B

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-B

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.	Mtr	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-B

Bill No. 5: Construction of Pump Chamber (10'x10')

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, gobi 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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Sam Baba Zone-B

Bill No. 6: 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	85.34			
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	60.96			
6	24-05	Collection and submission at approved water testing laboratory of two water samples in bottles from each bore hole for testing.	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Abdul Qayum Toot Dand BQK

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Plugging of Existing Borehole & Solar Yard.	
2	Distribution System Replacement , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of Boundary Wall (60'x55')	
5	Construction of Pump Chamber	
6	Construction of Tubewell	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Abdul Qayum Toot Dand BQK

Bill No. 1: Civil Works for Plugging of Existing Borehole & Solar Yard.

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-67-d	Structural Backfill using Granular Material brought from outside Existing borehole plugging	Cum	4.62			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.06			
3	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.89			
4	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	79.55			
5	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	13.63			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Abdul Qayum Toot Dand BQK

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	1132.38			
2	03-67-c	Structural backfill using Common Material available at site	Cum	1132.38			
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			
		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	1823.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	598.00			
9	24-30-b-07	(75 mm dia) PN-10	Meter	290.00			
CONSTRUCTION OF VALVE CHAMBER							
10	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	2.41			
11	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	0.34			
12	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.02			
13	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	0.80			
14	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	2.74			
15	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.14			
16	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.03			
Sub Total Amount							
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Abdul Qayum Toot Dand BQK

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Abdul Qayum Toot Dand BQK

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	26.08			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.50			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	14.67			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	16.26			
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	23.83			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	128.21			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	128.21			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.42			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	128.21			
10	11-.29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	128.21			
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	32.58			
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	70.10			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Abdul Qayum Toot Dand BQK

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Abdul Qayum Toot Dand BQK

Bill No. 6: Construction of Tubewell

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	85.34			
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	67.05			
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	128.01			
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	158.49			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Nowgazi Baba Remaining Area

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Boundary Wall & OverHead Reservoir	
2	Distribution System and Rising Main Replacement , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of New Pump Chamber	
5	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Nowgazi Baba Remaining Area

Bill No. 1: Civil Works for Repair of Boundary Wall & OverHead Reservoir

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	11.15			
2	11-23-a-03	White washing: New surface : Three coats	Sqm	94.80			
3	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	144.28			
4	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	56.07			
5	13-02-d-01	Painting old surfaces : Guard bars, gratings, railing & similar open work : First coat	Sqm	76.05			
6	13-02-d-02	Painting old surfaces : Guard bars, gratings, railing & similar work : Each subsequent coat	Sqm	76.05			
7	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	18.59			
8	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	18.59			
9	25-43	Providing and fixing barbed (22 SWG) wire fence on compound wall, consisting of 1.5"x1.5"x3/16" angle iron post 3 ft long, 4 ft apart embedded in cement concrete 1:2:4 base of size 6"x6"x9", and 4 rows of barbed wire, including binding wire, painting posts, etc. complete in all respects.	Mtr	10.00			
10	03-67-d	Structural Backfill using Granular Material brought from outside Existing borehole plugging	Cum	6.15			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Nowgazi Baba Remaining Area

Bill No.2: Distribution System and Rising Main 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	709.12			
2	03-67-c	Structural backfill using Common Material available at site	Cum	709.12			
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			
		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	1528.00			
8	24-30-b-06	(63 mm dia) PN-10	Meter	169.69			
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" i/d	Meter	32.00			
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							
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 75 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	Each	1.00			
19	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Nowgazi Baba Remaining Area

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Nowgazi Baba Remaining Area

Bill No. 4: Construction of Pump Chamber (10'x10')

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	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			
20	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Nowgazi Baba Remaining Area

Bill No. 5: 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	70.10			
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	137.15			
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	167.63			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Janis Tawas Khan Killi BQK

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Plugging of Existing Borehole , Boundary Wall & Solar Yard.	
2	Distribution System and Rising Main Replacement , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of New Pump Chamber	
5	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Janis Tawas Khan Killi BQK

Bill No. 1: Civil Works for Plugging of Existing Borehole , 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	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	83.64			
2	11-23-a-03	White washing: New surface : Three coats	Sqm	114.87			
3	11-29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	149.79			
4	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	40.15			
5	24-34	Supplying and Fixing flat iron (2"x3/8") ladder for OHR, holes @ 15" c/c, steps of MS bars 5/8" i/d & paint compl	Mtr	10.67			
6	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	18.59			
7	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	18.59			
8	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	62.79			
9	03-67-d	Structural Backfill using Granular Material brought from outside Existing borehole plugging	Cum	6.15			
10	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	5.38			
11	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.89			
12	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	70.63			
13	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	12.10			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Janis Tawas Khan Killi BQK

Bill No.2: Distribution System and Rising Main 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	535.49			
2	03-67-c	Structural backfill using Common Material available at site	Cum	535.49			
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			
		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	890.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	392.00			
		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-09	4" Nominal Pipe Size (NPS)	Mtr	30.00			
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							
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Janis Tawas Khan Killi BQK

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Janis Tawas Khan Killi BQK

Bill No. 4: Construction of Pump Chamber (10'x10')

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Janis Tawas Khan Killi BQK

Bill No. 5: 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	85.34			
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	60.96			
6	24-05	Collection and submission at approved water testing laboratory of two water samples in bottles from each bore hole for testing.	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	18.29			
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	134.11			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghulam Sakhi Arjali Nadi

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Plugging of Existing Borehole & Solar Yard.	
2	Distribution System Replacement, Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
4	Construction of New Boundary Wall (60'x60')	
5	Construction of New Pump Chamber	
6	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghulam Sakhi Arjali Nadi

Bill No. 1: Civil Works for Plugging of Existing Borehole & Solar Yard

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	03-67-d	Structural Backfill using Granular Material brought from outside Existing borehole plugging	Cum	6.15			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.34			
3	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage (Solar Yard)	Cum	5.89			
4	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand (Path Ways)	Sqm	83.27			
5	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	14.27			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghulam Sakhi Arjali Nadi

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	1215.08			
2	03-67-c	Structural backfill using Common Material available at site	Cum	1215.08			
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			
		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	2645.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	172.00			
9	24-30-b-07	(75 mm dia) PN-10	Meter	92.00			
CONSTRUCTION OF VALVE CHAMBER							
10	03-25-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	2.41			
11	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	0.34			
12	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	0.02			
13	07-04-a-03	1st class brick work in foundation and plinth in Cement, sand mortar 1:4	Cum	0.80			
14	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	2.74			
15	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	0.14			
16	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.03			
Sub Total Amount							
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghulam Sakhi Arjali Nadi

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghulam Sakhi Arjali Nadi

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	27.22			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	6.78			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	Cum	15.30			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	16.97			
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	24.87			
6	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	133.79			
7	11-09-b	Cement plaster 1:4 upto 20' height 1/2" thick	Sqm	133.79			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4) as in coping	Cum	0.44			
9	11-23-a-03	White washing: New surface :Three coats	Sqm	133.79			
10	11-.29	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	133.79			
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	34.00			
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	73.15			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghulam Sakhi Arjali Nadi

Bill No. 5: Construction of Pump Chamber (10'x10')

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Ghulam Sakhi Arjali Nadi

Bill No. 6: 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	85.34			
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	9.14			
5	24-02-b-07	Drilling of Bore holes for tube well in all types of soil and soft rock except hard rock from a depth of 328.1 ft to 656 ft (100.1m to 200 m) depth, including sinking, collection of 100 % corings and withdrawing of pipe, complete as per specifications.: 18" (450 mm) i/d	Meter	88.39			
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	152.39			
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	182.87			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Fazal Malik Killi Shalobar

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber , Boundary Wall & OverHead Reservoir	
2	Distribution System Replacement , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Fazal Malik Killi Shalobar

Bill No. 1: Civil Works for Repair of Pump Chamber , Boundary Wall & OverHead Reservoir

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	07-05-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	0.25			
2	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	3.90			
3	11-21-b-02	Distempering Old surface : Two coats	Sqm	46.47			
4	11-23-b-02	White washing: Old surface : Two coats	Sqm	119.98			
5	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	24.74			
6	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	24.74			
7	25-45-a	Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete (2' x 2' Roof Cover)	Sqm	0.58			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	0.47			
9	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	198.00			
10	24-34	Supplying and Fixing flat iron (2"x3/8") ladder for OHR, holes @ 15" c/c, steps of MS bars 5/8" i/d & paint compl	Mtr	5.33			
11	13-02-d-01	Painting old surfaces : Guard bars, gratings, railing & similar open work : First coat	Sqm	41.28			
12	13-02-d-02	Painting old surfaces : Guard bars, gratings, railing & similar work : Each subsequent coat	Sqm	41.28			
13	13-03-d-01	Prepare & Paint new surfaces of guard bars, railing & similar open work : Priming coat	Sqm	9.76			
14	13-03-d-02	Prepare & Paint new surfaces of guard bars, railing & similar work : Each subsequent coat	Sqm	9.76			
15	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	230.00			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Fazal Malik Killi Shalobar

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	819.03			
2	03-67-c	Structural backfill using Common Material available at site	Cum	819.03			
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			
		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	1711.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	135.00			
9	24-30-b-06	(63 mm dia) PN-10	Meter	114.83			
		Providing, laying, cutting, jointing, testing and disinfecting GI pipeline in trenches, with socket joint, using GI pipes of EN 10255 - 2004 (Approved Light quality) including specials etc.Complete as per specifications except excavation.					
10	24-16-c-09	4" Nominal Pipe Size (NPS)	Mtr	25.00			
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)		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							
Add 5% Area Factor							
Total Amount							
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 Pressure Guage 63 mm Dia Vaccum Upto 350 psi Complete In all respects (Digital).	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Fazal Malik Killi Shalobar

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Jan Killi BQK Bara (Faresh Kallay)

SUMMARY

Bill No.	Works Description	Amount (Rs.)
1	Civil Works for Repair of Pump Chamber Chowkiadr Hut , Boundary Wall & OverHead Reservoir	
2	Distribution System and Rising Main Replacement , Construction of Valve Chamber	
3	Electrical Works for Pump Chamber Chowkidar Hut	
	Total Cost (Rs.)	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Jan Killi BQK Bara (Faresh Kallay)

Bill No. 1: Civil Works for Repair of Pump Chamber , Boundary Wall & OverHead Reservoir

S. No.	MRS 2025 B-I Item Codes	Description	Unit	Quantity	Unit Rate (Rs.)		Amount (Rs.)
					In Figure	In Words	
1	07-05-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	0.38			
2	11-09-b	Cement plaster 1:4, upto 20' height 1/2" thick	Sqm	69.80			
3	11-21-b-02	Distempering Old surface : Two coats	Sqm	132.81			
4	11-23-b-02	White washing: Old surface : Two coats	Sqm	195.17			
5	13-02-c-01	Painting old surfaces : Doors / windows any type First coat	Sqm	60.80			
6	13-02-c-02	Painting old surfaces : Doors / windows any type Each subsequent coat	Sqm	60.80			
7	25-45-a	Supplying and Fixing 18 SWG MS Sheet Door with angle iron frame (1.5"x1.5"x1/8"), bolt, hinges, paint etc complete (2' x 2' Roof Cover)	Sqm	0.58			
8	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	27.60			
9	11-18-b	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:3	Sqm	10.04			
10	11-29.	Extra cost of labour & material for red oxide pigment in cement pointing to match bricks	Sqm	264.91			
11	24-34	Supplying and Fixing flat iron (2"x3/8") ladder for OHR, holes @ 15" c/c, steps of MS bars 5/8" i/d & paint compl	Mtr	16.00			
12	13-02-d-01	Painting old surfaces : Guard bars, gratings, railing & similar open work : First coat	Sqm	24.77			
13	13-02-d-02	Painting old surfaces : Guard bars, gratings, railing & similar work : Each subsequent coat	Sqm	24.77			
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	90.83			
15	09-01.	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	Sqm	40.15			
16	24-13-b	Testing and developing of tube well with DNT unit 8" i/d and above complete as per specifications	Hour	9.00			
17	27-18-b	Extraction of Turbine/Submersible Pump & lowering/installation of the same after necessary repair (Above 200 ft)	Rft	240.00			
18	10-41-a-02	Mosaic dado or skirting complete as per specs Using grey cement : 1/2" thick	Sqm	63.24			
Total Amount							
Add 5% Area Factor							
Total Amount							
Non Schedule Items							
19	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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Jan Killi BQK Bara (Faresh Kallay)

Bill No.2: Distribution System and Rising Main 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	1987.41			
2	03-67-c	Structural backfill using Common Material available at site	Cum	1987.41			
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			
		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	3040.00			
8	24-30-b-05	(50 mm dia) PN-10	Meter	1259.00			
9	24-30-b-07	(75 mm dia) PN-10	Meter	459.00			
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	32.00			
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			
Total Amount							
Add 5% Area Factor							
Total Amount							
Non Schedule Items							
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Drinking Water Supply Schemes - Malik Jan Killi BQK Bara (Faresh Kallay)

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 Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" sweep	Each	1.00			
3	15-46	Wiring of 2/3-pin 5-Amp plug point in 3/0.029" PVC insulated & sheathed cable on sahl wood	Each	2.00			
4	15-15	Supply and Erection wall/pole type bracket with double cover water tight reflector flexible wire & brass holder	Each	2.00			
5	15-11-a-02	Supply and erection iron/aluminium clad 500 volt main switch double pole: 30/35 Amp	Each	1.00			
6	15-127-f	Supply at site, installation, testing and commissioning of Six gang light control switches 10 Amps, 250Volts one way, including appropriate size concealed MS, powder coated back box, complete in all respects.	Each	2.00			
7	26-01-c-06	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	No	4.00			
8	15-79-c	PVC conduit for surface wiring (dura duct) 1.5" including all charges for nail screws etc complete	Meter	35.00			
9	15-172	Supply and installation of Fan dimmer switch	Each	1.00			
10	15-25	Supply and Erection girder clamp hook, 5/8" dia.for hanging ceiling fans	Each	1.00			
Sub Total 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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

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	4			
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	13			
3	Handling of solid waste (storage, collection, transportation, utilization, and final disposal of solid wastes)	Each Site	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	13			
5	Fire alarm (Signal Transmission: Wired Alarm, Working Principle: Manual Alarm Button)	Each Site	3			
6	Ear plugs (corded Reusable silicon Earplugs)	Each	619			
7	Safety Helmets (PE shell with vents Lining; material: Plastic Chin strap included; Adjust head size by ratchet knob)	Each	130			
8	Safety shoes (Renowned brand)	Each	130			
9	Protective goggles (Anti-fog, Anti scratch, Poly-carbonate Scratch and impact resistant, side protection sheet)	Each	130			
10	Gloves (made up of nylon, polyurethane with ironclad) and safety Vest	Each	130			
11	Dust Mask	Each	722			
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	13			
13	Ground water Quality Testing (To be performed twice: Once before the start of construction, second during the construction period)	Each site	26			
14	Noise level monitoring (Meter)	Each	6			
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	2			
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	36			
Total Amount						

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package No. RFB-KH-CW-R-01

BILL OF QUANTITIES

SANITATION SCHEMES

SUMMARY OF COST

S. No.	Name of Scheme	Amount (Rs.)
1	DWSS Hissara Shalobar Bara	
2	DWSS Ghazi Tube Well Nala MDK	
3	DWSS Hakim Khan Killi Meri Khel Aka Khel Bara	
4	DWSS Malik Doran Gul Fort Slope MDK	
5	DWSS Ghulam Sakhi Arjali Nadi	
6	E&S Compliance	
	Total	

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

**INTEGRATED WATER SUPPLY & SANITATION - REHABILITATION OF EXISTING SCHEMES,
TEHSIL BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hissara Shalobar

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hissara Shalobar

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	147.32			
2	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	142.15			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	142.15			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	20.17			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	128.12			
6	03-67-e	Structural Backfill using Common Material brought from outside	Cum	14.03			
7	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	2.10			
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	150.00			
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	80.00			
10	04-13.	Dismantling brick work in lime or cement mortar	Cum	0.69			
11	04-19-a	Dismantling : Plain Cement Concrete 1:4:8	Cum	1.04			
12	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	1.15			
13	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	0.21			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.30			
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	6.00			
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	10.00			
STREET PAVEMENT WORKS							
18	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	17.25			
19	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	36.66			
20	16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	Cum	9.92			
21	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	Sqm	258.75			
22	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	73.31			
23	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	76.67			
				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 BARA, DISTRICT KHYBER
Contract Package : RFB-KH-CW-R-01
BILL OF QUANTITIES
Sanitation Schemes - Hissara Shalobar

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	345.564			
2	03-67-c	Structural backfill using Common Material available at site	Cum	69.159			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	17.09			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	8.969			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	16.939			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	1.414			
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	23.57			
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	38.00			
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	12.00			
10	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	8.40			
11	14-144-c	Supplying and Fixing UPVC soil waste and vent pipe class B : 3" dia	Meter	2.70			
12	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	256.56			
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	0.07			
14	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	51.14			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	493.59			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	345.56			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	86.25			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	259.32			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hissara Shalobar

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	119.04			
2	03-67-c	Structural backfill using Common Material available at site	Cum	44.15			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	1.75			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	6.50			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.52			
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	17.04			
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	37.09			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	34.71			
9	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	34.58			
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	3.00			
12	14-37-g	Supply and Fixing Plastic manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Each	13.00			
13	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	45.90			
14	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	45.90			
15	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	73.14			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hissara Shalobar

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	106.926			
2	03-67-c	Structural backfill using Common Material available at site	Cum	77.765			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	10.737			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	33.403			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	233.294			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	14.70			
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	50.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	148.46			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	400.00			
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	15.00			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	77.765			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	77.765			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	29.162			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Ghazi Tube Well Nala MDK

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Ghazi Tube Well Nala MDK

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	309.21			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	309.21			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	43.66			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	278.71			
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	340.00			
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	160.00			
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	0.54			
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	5.00			
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	8.00			
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 BARA, DISTRICT KHYBER
Contract Package : RFB-KH-CW-R-01
BILL OF QUANTITIES
Sanitation Schemes - Ghazi Tube Well Nala MDK

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	767.429			
2	03-67-c	Structural backfill using Common Material available at site	Cum	150.770			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	37.54			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	20.175			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	38.747			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	3.191			
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	53.01			
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	85.00			
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	24.00			
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	4.95			
12	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	565.88			
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	113.50			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	1098.47			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	767.43			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	188.31			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	579.12			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Ghazi Tube Well Nala MDK

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	254.37			
2	03-67-c	Structural backfill using Common Material available at site	Cum	94.51			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	3.76			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	13.96			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	1.12			
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	36.53			
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	79.74			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	74.23			
9	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	73.05			
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	36.00			
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	6.00			
12	14-37-g	Supply and Fixing Plastic manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Each	28.00			
13	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	98.27			
14	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	98.27			
15	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	156.10			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Ghazi Tube Well Nala MDK

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	207.437			
2	03-67-c	Structural backfill using Common Material available at site	Cum	150.863			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	20.829			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	64.803			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	452.589			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	28.53			
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	97.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	288.01			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	776.00			
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	29.10			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	150.863			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	150.863			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	56.574			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

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	416.33			
2	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	399.06			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	399.06			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	59.67			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	359.41			
6	03-67-e	Structural Backfill using Common Material brought from outside	Cum	39.65			
7	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	5.95			
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	230.00			
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	420.00			
10	04-13.	Dismantling brick work in lime or cement mortar	Cum	1.95			
11	04-19-a	Dismantling : Plain Cement Concrete 1:4:8	Cum	2.93			
12	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	3.25			
13	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	0.59			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.64			
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	48.75			
19	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	103.59			
20	16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	Cum	28.03			
21	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	Sqm	731.25			
22	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	207.19			
23	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	216.67			
				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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

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	848.941			
2	03-67-c	Structural backfill using Common Material available at site	Cum	163.673			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	38.98			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	21.738			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	43.068			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	3.506			
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	57.06			
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	60.00			
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	68.00			
10	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	24.00			
11	14-144-c	Supplying and Fixing UPVC soil waste and vent pipe class B : 3" dia	Meter	3.60			
12	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	632.09			
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	0.17			
14	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	127.40			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	1246.91			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	848.94			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	202.65			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	646.29			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

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	327.84			
2	03-67-c	Structural backfill using Common Material available at site	Cum	112.95			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	3.96			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	15.44			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	1.24			
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	44.43			
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	85.87			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	91.27			
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	121.67			
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	25.50			
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	16.50			
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	116.91			
15	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	116.91			
16	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	210.93			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Hakim Khan Killi Meri Khel Aka Khel Bara

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	213.852			
2	03-67-c	Structural backfill using Common Material available at site	Cum	155.529			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	21.474			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	66.807			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	466.587			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	29.41			
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	100.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	296.92			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	800.00			
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	30.00			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	155.529			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	155.529			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	58.323			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Malik Doran Gul Fort Slope MDK

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Malik Doran Gul Fort Slope MDK

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	256.20			
2	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	246.38			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	246.38			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	35.92			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	221.98			
6	03-67-e	Structural Backfill using Common Material brought from outside	Cum	24.40			
7	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	3.66			
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	200.00			
10	04-13.	Dismantling brick work in lime or cement mortar	Cum	1.20			
11	04-19-a	Dismantling : Plain Cement Concrete 1:4:8	Cum	1.80			
12	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	2.00			
13	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	0.36			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.32			
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	3.00			
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	6.00			
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	12.00			
STREET PAVEMENT WORKS							
18	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	30.00			
19	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	63.75			
20	16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	Cum	17.25			
21	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	Sqm	450.00			
22	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	127.50			
23	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	133.33			
				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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Malik Doran Gul Fort Slope MDK

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	537.233			
2	03-67-c	Structural backfill using Common Material available at site	Cum	101.208			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	24.42			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	14.098			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	28.220			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	2.253			
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	36.83			
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	45.00			
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	16.80			
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	394.20			
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	0.10			
14	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	79.66			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	774.25			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	537.23			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	125.62			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	411.61			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Malik Doran Gul Fort Slope MDK

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	171.43			
2	03-67-c	Structural backfill using Common Material available at site	Cum	62.32			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	2.32			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	8.75			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.70			
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	23.57			
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	49.63			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	49.52			
9	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	56.32			
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	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	17.00			
13	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	64.64			
14	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	64.64			
15	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	106.79			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Malik Doran Gul Fort Slope MDK

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	117.619			
2	03-67-c	Structural backfill using Common Material available at site	Cum	85.541			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	11.810			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	36.744			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	256.623			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	16.18			
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	55.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	163.31			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	440.00			
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	16.50			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	85.541			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	85.541			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	32.078			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Ghulam Sakhi

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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Ghulam Sakhi

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	198.56			
2	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	191.98			
3	03-28-a	Mixing & moistening of earth to OMC in layers for compaction etc complete	Cum	191.98			
4	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km	Cum	26.81			
5	03-67-c	Structural Backfill using Common Material available at site	Cum	173.07			
6	03-67-e	Structural Backfill using Common Material brought from outside	Cum	18.91			
7	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	2.84			
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	230.00			
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	80.00			
10	04-13.	Dismantling brick work in lime or cement mortar	Cum	0.93			
11	04-19-a	Dismantling : Plain Cement Concrete 1:4:8	Cum	1.40			
12	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	1.55			
13	04-20-a	Dismantling RCC, separating reinforcement, cleaning & straightening the same	Cum	0.28			
14	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.38			
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	3.50			
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	23.25			
19	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	49.41			
20	16-26	Providing and Laying dry brick pavement/soling in streets etc including prep, water, compaction & sand cushion	Cum	13.37			
21	10-49-f	Providing and Fixing Precast Concrete 3000 psi TUFF Tiles 50mm thick over bed of 2" thick sand	Sqm	348.75			
22	03-21-b	Dressing & levelling earth to designed sections Ordinary or hard soil upto cut or fill 6 inches	Cum	98.81			
23	10-47-d	Providing and Fixing marble strip 2" wide and 3/8" thick for dividing the floor into panels	Meter	103.33			
				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 BARA, DISTRICT KHYBER
Contract Package : RFB-KH-CW-R-01
BILL OF QUANTITIES
Sanitation Schemes - Ghulam Sakhi

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	494.661			
2	03-67-c	Structural backfill using Common Material available at site	Cum	99.115			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	24.83			
4	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	12.951			
5	06-07-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	Cum	24.386			
6	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	2.039			
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	34.09			
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	59.00			
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	12.00			
10	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	12.00			
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	366.20			
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	0.10			
14	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	73.13			
15	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	706.06			
16	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	494.66			
17	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	123.94			
18	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	370.72			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Ghulam Sakhi

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	167.89			
2	03-67-c	Structural backfill using Common Material available at site	Cum	62.76			
3	03-67-e	Structural Backfill using Common Material brought from outside	Cum	2.54			
4	06-07-a-03	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	Cum	9.40			
5	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.75			
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	24.40			
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	53.78			
8	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	49.13			
9	06-02.	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	Cum	46.25			
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	25.50			
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	3.00			
12	14-37-g	Supply and Fixing Plastic manhole cover with frame etc (Heavey Type) of approved quality complete: 24" (610 mm) dia	Each	19.00			
13	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	65.30			
14	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	65.30			
15	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	102.59			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

BILL OF QUANTITIES

Sanitation Schemes - Ghulam Sakhi

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	117.619			
2	03-67-c	Structural backfill using Common Material available at site	Cum	85.541			
3	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	11.810			
4	07-07-a-03	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4	Cum	36.744			
5	11-08-b	Cement plaster 1:3 upto 20' height 1/2" thick	Sqm	256.623			
6	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	Cum	16.18			
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	55.00			
8	13-08-a	Bitumen coating to plastered / cement concrete surface : 20 lbs. per 100 sft.	Sqm	163.31			
9	14-144-b	Supplying and Fixing UPVC soil waste and vent pipe class B : 4" dia	Meter	440.00			
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	16.50			
11	03-16-a	Rehandling of earthwork Lead upto a single throw of kassi, shovel, phaorah	Cum	85.541			
12	03-28-a	Mixing & moistening of earthwork to OMC in layers for compaction etc complete	Cum	85.541			
13	03-20-b	Transportation of earth all types for every 100m extra lead beyond 500m upto 1.5 km.	Cum	32.078			
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 BARA, DISTRICT KHYBER**

Contract Package : RFB-KH-CW-R-01

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	5			
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	5			
3	Handling of solid waste (storage, collection, transportation, treatment, utilization, processing, and final disposal of solid wastes)	Months	16			
4	DCP Fire extinguishers (6 kg) in case of fire (The material of the cylinder is steel. The extinguishing agent is mono ammonium phosphate and ammonium sulfate powder and the discharge time of the agent is 13 seconds). Including the refilling of used chemical and replacement of expired chemical.	Each Site	5			
5	Fire alarm (Signal Transmission: Wired Alarm, Working Principle: Manual Alarm Button)	Each Site	5			
6	Ear plugs (corded Reusable silicon Earplugs)	Each	227			
7	Safety Helmets (PE shell with vents Lining; material: Plastic Chin strap included; Adjust head size by ratchet knob)	Each	100			
8	Safety shoes (Renowned brand)	Each	50			
9	Protective goggles (Anti-fog, Anti scratch, Poly-carbonate Scratch and impact resistant, side protection sheet)	Each	50			
10	Gloves (made up of nylon, polyurethane with ironclad) and safety Vest	Each	50			
11	Dust Mask	Each	909			
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	5			
13	Ground water Quality Testing (To be performed twice: Once before the start of construction, second during the construction period)	Each Site	10			
14	Noise level monitoring (Meter)	Each	3			
15	Capacity building and training on Health, Safety & Environment, E&S requirements for workers/staff of contractor and local community	Session	5			
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	18			
Total Amount						