### PROJECT MANAGEMENT OFFICE



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### ADDENDUM NO. 1

TO EFAP/KPID/CW-03: PACKAGE-3: REHABILITATION OF CANALS AND DRAINS, DISTRICT DI KHAN – PAHARPUR IRRIGATION DIVISION:

Loan No. and Title:	4279-PAK(COL): Emergency Flood Assistance Project (EFAP)
Contract No. and Title:	> EFAP/KPID/CW-03: PACKAGE-3: REHABILITATION OF CANALS AND DRAINS, DISTRICT DI KHAN - PAHARPUR IRRIGATION DIVISION:

With reference to IFP Notice published on **19 October 2023** for the above-mentioned bidding document, the following amendments have been made in the respective sections of the Bidding Documents under this Addendum No. 01 in accordance with ITA 8.1 of the Prequalification Documents. The addendum shall be read and construed as an integral part of the Bidding Documents and shall take precedence over other conflicting items / ambiguities in the Bidding Documents.

### Section-6: Bill of Quantities (BOQs)

Section-6 Bill of Quantities (BOQs) are being amended to rectify minor quantity discrepancies. The Bill of Quantities attached under Section-6 has been replaced with the Bill of Quantities attached under Addendum-01 **Annexure-A** for EFAP/KPID/CW-03: PACKAGE-3: REHABILITATION OF CANALS AND DRAINS, DISTRICT DI KHAN – PAHARPUR IRRIGATION DIVISION

### Section-2: Bid Datasheet ITB 22.1 and ITB 22.5

Deadline for submission of bids followed by opening of bids has been extended from **02 November 2023 to 08 November 2023 at 11:00 AM** 

Accordingly, page no 2-4 of the Bidding Documents for EFAP/KPID/CW-03: PACKAGE-3: REHABILITATION OF CANALS AND DRAINS, DISTRICT DI KHAN – PAHARPUR IRRIGATION DIVISION has been replaced with the amended Page No. 2-4 of Section-2 for EFAP/KPID/CW-03: PACKAGE-3: REHABILITATION OF CANALS AND DRAINS, DISTRICT DI KHAN – PAHARPUR IRRIGATION DIVISION, attached at **Annexure-B.** 

All other terms and conditions shall remain same.

**Project Director** PMO, EFAP, KPID, GoKP Swabi

# Annexure-A Bill of Quantities (BQQs)

## LOAN 4279-PAK(COL): EMERGENCY FLOOD ASSISTANCE PROJECT (KHYBER PAKHTUNKHWA IRRIGATION DEPARTMENT COMPONENT)

### EFAP-KPID- CW-03: Rehabilitation of Canals and Drains, Paharpur Irrigation Division

### **SUMMARY OF BILLS**

Bill. No	Description	Amount (PKR)
A	WORKS - DRAINS	in Figures
1	Earthwork	
2	Vertical Brick Protection Works	
3	Rehabilitation Of Hydraulic Structures	
4	Reconstruction of Culverts	
5	Provision Of Stone Pitching	
	SUB-TOTAL (A)	
В	WORKS - CANALS	
6	Earthwork	
7	PCC Lining	
8	Concrete Side Protection	
9	Vertical Brick Protection Works	
10	Rehabilitation Of Road	
11	Monitoring Facilities	
12	Rehabilitation Of Hydraulic Structures	
13	Provision Of Stone Pitching	
	SUB-TOTAL (B)	
С	PROVISIONAL SUM	
1	ENVIRONMENTAL AND SOCIAL COST (Million)	2,330,000
	SUB-TOTAL (C)	
	TOTAL AMOUNT RS. (A+B+C)	
	IN MILLION	

# LOAN 4279-PAK(COL): EMERGENCY FLOOD ASSISTANCE PROJECT (KHYBER PAKHTUNKHWA IRRIGATION DEPARTMENT COMPONENT) EFAP-KPID- CW-03: Rehabilitation of Canals and Drains, Paharpur Irrigation Division

Bill No.1: Earthwork

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures			
1	03 54	Uprooting sarkanda growth and disposal within 50m	1000 Sft	15,499.84						
2a	03-72-b	Earthwork by mechanical means in drains and irrigation channels in DRY & WET soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed	1000 Cft	8,756.94						
2b	03-72-d	Earthwork by mechanical means in drains and irrigation channels in SLUSH soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed	1000 Cft	21,107.63						
2c	03-72-c	Earthwork by mechanical means in drains and irrigation channels in WET & SLUSH soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed	1000 Cft	5,632.01						
2d	03-72-g	Earthwork by mechanical means in drains and irrigation channels in UNDER WATER soil dressed to designed section, grades profile/with excavated material, disposed off within 50 feet (15.2 m) lead and dressed as directed	1000 Cft	20,823.54						
3	03-06-b	Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 90% max. modified AASHTO dry density (borrow area).	1000 Cft	167.62						
4	03-04-a	Bed clearance and dressing slopes of drains including removing of weeds and roots etc. Excavated material undressed within 15m	1000 Cft	684.86						
	Total									

### LOAN 4279-PAK(COL): EMERGENCY FLOOD ASSISTANCE PROJECT (KHYBER PAKHTUNKHWA IRRIGATION DEPARTMENT COMPONENT)

### EFAP-KPID- CW-03: Rehabilitation of Canals and Drains, Paharpur Irrigation Division

### **Bill No.2: Vertical Brick Protection Works**

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures
1	03-12-a	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	11.21			
2	06-48-j	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days	100 Cft	32.25			
3	07-04-a-02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	100 Cft	225.56			
4	11-08-b	Cement plaster 1:3, upto 20' height 1/2" thick	100 Sft	96.13			
5	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	100 Cft	3.52			
6	03-67-с	Structural backfill using Common Material available at site.	1000 Cft	8.97			
			Total				

# LOAN 4279-PAK(COL): EMERGENCY FLOOD ASSISTANCE PROJECT (KHYBER PAKHTUNKHWA IRRIGATION DEPARTMENT COMPONENT) EFAP-KPID- CW-03: Rehabilitation of Canals and Drains, Paharpur Irrigation Division

### Bill No.3: Rehabilitation of Hydraulic Structures

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures		
3(b)	06-07-b- 03	RCC in raft foundation slab, base slab of column & ret. wall etc	100 Cft	0.83					
4	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	100 kg	3.71					
5	19-15-a	Supply & dump at site, without boat, including handling within 100m : Stone	100 Cft	0.00					
11	03-12-a	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	0.32					
13	07-04-a- 02	1st class brick work in foundation and plinth in Cement, sand mortar 1:3	100 Cft	2.67					
14	11-08-b	Cement plaster 1:3, upto 20' height 1/2" thick	100 Sft	14.82					
15	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	100 Cft	0.22					
16	03-67-с	Structural backfill using Common Material available at site.	1000 Cft	0.22					
	Total								

# LOAN 4279-PAK(COL): EMERGENCY FLOOD ASSISTANCE PROJECT (KHYBER PAKHTUNKHWA IRRIGATION DEPARTMENT COMPONENT) EFAP-KPID- CW-03: Rehabilitation of Canals and Drains, Paharpur Irrigation Division

### **Bill No.4: Reconstruction of Culverts**

	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures
1	03-25-b	Excavation in foundation of building, bridges etc complete : in ordinary soil	1000 Cft	6.15			
2	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	100 Cft	1.98			
3(a)		RCC in roof slab, beam, column & other structural members, insitu or precast. (1:2:4)	100 Cft	17.06			
3(b)		RCC in raft foundation slab, base slab of column & ret. wall etc	100 Cft	8.26			
4	06-08-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	100 kg	113.90			
5	19-15-a	Supply & dump at site, without boat, including handling within 100m : Stone	100 Cft	74.25			
6	16-65	Providing and Laying PVC pipe (b) 4" dia in foot path of bridge for utilities.	10 Rft	0.67			
7	16-09-a	Bitumenous Prime Coat	100 sft	3.06			
8	16-14-b	Asphaltic Wearing Course (Asphalt Batch Plant Hot Mixed) i/c Transportation and Finishing complete	100 Cft	9.17			
9	13-08-b	Bitumen coating to plastered / cement concrete surface : 14 Ibs. per 100 sft.	100 sft	8.15			
10	03-29-a	Compaction of earth with power road roller 95% to 100% max. mod. AASHTO dry density	1000 Cft	6.15			
		Total					

# LOAN 4279-PAK(COL): EMERGENCY FLOOD ASSISTANCE PROJECT (KHYBER PAKHTUNKHWA IRRIGATION DEPARTMENT COMPONENT) EFAP-KPID- CW-03: Rehabilitation of Drains, Paharpur Irrigation Division

Bill No. 5: Provision of Stone Pitching

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures			
1	03-12-a	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	311.05						
2	19-25	Providing and Laying stone pithcing/filling, dry hand packed in pitching & aprons	100 Cft	2,585.16						
3	19-28-a	Providing and laying stone pitching, for top layer only:- on slope	100 Cft	5,195.00						
4	19-28-b	Providing and laying stone pitching, for top layer only:- on level	100 Cft	985.50						
5	19-29-a	Providing and Laying stone or spawl filling : On slope	100 Cft	3,391.78						
6	19-29-b	Providing and Laying stone or spawl filling : On level	100 Cft	657.00						
7	06-48-j	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days	100 Cft	61.20						
8	06-44-b	PCC 1:3:6 in mass concrete less formwork using 40% boulders	100 Cft	786.56						
9	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	100 Cft	638.49						
10	03-67-с	Structural backfill using Common Material available at site.	1000 Cft	3.92						
	Total									

### **Emergency Flood Assistance Project (EFAP)-KP**

### EFAP-KPID- CW-03: Rehabilitation of Canals and Drains, Paharpur Irrigation Division

### Bill No. 6: Earthwork

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures	
1	03-06-2	Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 95% to 100% max. modified. AASHTO dry density (borrow area).	1000 Cft	165.53				
2	113 17 0	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	37.59				
	Total							

Bill No. 7: PCC Lining

Ite m No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures			
1	03-12-a	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	179.00						
2	03-06-a	Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 95% to 100% max. modified. AASHTO dry density (borrow area).	1000 Cft	563.51						
3	17-01-a	Formation, dressing and preparing sub-grade in Bed	100 Sft	1,433.71						
4	17-01-b	Formation, dressing and preparing sub-grade on slope	100 Sft	2,120.52						
5	17-04-a	1" thick plaster of cement, sand mortar 1:6 in Bed	100 Sft	1,447.63						
6	17-04-b	1" thick plaster of cement, sand mortar 1:6 on slope	100 Sft	2,147.72						
7	17-10-a-01	4" thick PCC lining, using washed screened & graded/curshed stone aggregate : in bed : Ratio 1:2:4	100 Cft	537.34						
8	17-10-b-01	4" thick PCC lining, using washed screened & graded/curshed stone aggregate : On slope : Ratio 1:2:4	100 Cft	715.19						
9	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	100 Cft	61.47						
10	13-08-b	Bitumen coating to plastered / cement concrete surface: 14 Ibs. per 100 sft.	100 Sft	201.24						
11	06-23	Fill expansion joints with bitumen, sand & saw dust in Ratio 1:2:2	Rft	38,041.75						
12	06-48-j	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days	100 Cft	1.58						
13	06-44-b	PCC 1:3:6 in mass concrete less formwork using 40% boulders	100 Cft	18.43						
	Total									

**Bill No. 8: Concrete Side Protection** 

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures
1	03-12-a	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	142.10			
2		Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 95% to 100% max. modified. AASHTO dry density (borrow area).	1000 Cft	728.19			
3	17-01-a	Formation, dressing and preparing subgrade in Bed	100 Sft	437.68			
4	17-01-b	Formation, dressing and preparing subgrade on slope	100 Sft	1,315.33			
5	17-04-a	1" thick plaster of cement, sand mortar 1:6 in Bed	100 Sft	446.63			
6	17-04-b	1" thick plaster of cement, sand mortar 1:6 on slope	100 Sft	1,201.38			
7		4" thick PCC lining, using washed screened & graded/curshed stone aggregate: in bed: Ratio 1:2:4	100 Cft	118.98			
8	17-10-b-01	4" thick PCC lining, using washed screened & graded/curshed stone aggregate : On slope : Ratio 1:2:4	100 Cft	357.71			

**Bill No. 8: Concrete Side Protection** 

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures		
9	06-48-j	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days	100 Cft	103.07					
10	07-07-a-02	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:3	100 Cft	596.87					
11	11-08-b	Cement plaster 1:3, upto 20' height 1/2" thick	100 Sft	417.20					
12	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	100 Cft	387.26					
13	13-08-b	Bitumen coating to plastered / cement concrete surface : 14 Ibs. per 100 sft.	100 Sft	243.90					
14	06-23	Fill expansion joints with bitumen, sand & saw dust in Ratio 1:2:2	Rft	12,498.61					
15	06-44-b	PCC 1:3:6 in mass concrete less formwork using 40% boulders	100 Cft	65.67					
	Total								

Bill No. 9: Vertical Brick Protection Works

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures
1	113-17-9	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	89.18			
2	03-06-a	Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 95% to 100% max. modified. AASHTO dry density (borrow area).	1000 Cft	184.98			
3	ū	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days	100 Cft	76.64			
4	07-07-a-02	1st class brick work other than building upto 10 ft. height: Cement, sand mortar 1:3	100 Cft	496.29			
5	11-08-b	Cement plaster 1:3, upto 20' height 1/2" thick	100 Sft	217.91			
6	U6-U5-t	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	100 Cft	9.34			
7	U3-67-C	Structural backfill using Common Material available at site.	1000 Cft	28.97			
		Total					

### Bill No. 10: Rehabilitation of Road

Item No.	Item# as per MRS	Description	Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures
1	03-12-a	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	1,100.311			
2	03-06-b	Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 90% max. modified AASHTO dry density (borrow area).	1000 Cft	81.325			
3	03-71-c-i	Subgrade Preparation on Existing Road; Mod. AASHTO 95%	1000 Sft	444.231			
4	16-04-b	Granular Sub Base Using Crushed Stone Aggregate	100 Cft	1,999.768			
5	16-05-a	Aggregate Base Course	100 Cft	1,651.200			
6	16-09-a	Bitumenous Prime Coat	100 Sft	2,468.400			
7	16-14-b	Asphaltic Wearing Course (Asphalt Batch Plant Hot Mixed) i/c Transportation and Finishing complete	100 Cft	411.400			
		Т	otal				

### **Emergency Flood Assistance Project (EFAP)-KP**

### EFAP-KPID- CW-03: Rehabilitation of Canals and Drains, Paharpur Irrigation Division

### **Bill No. 11: Monitoring Facilities**

Item No.	Item# as per MRS	Description		Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures
1		Embankment formation in ordinary soil & compaction by mechanical means at optimum moistures content to 95% to 100% max. modified. AASHTO dry density (borrow area).		435.16			
2		9-14 Providing and Laying shingle on top of bund, including handling of materials within 100 m.		1,539.00			
	Total						

### Bill No.12: Rehabilitation of Hydraulic Structures

Item No.	Item# as per MRS	Description		Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures
1	4-20-b-ii	-ii Demolition of existing damaged Bridge and placing of useful materials		21.45			
2	05-23	Cement Sand Mortar 1 : 4 (one Cement: 4 Sand)		1.93			
3	06-07-d-03	Reinforced cement concrete work as in dams, spillways, weirs, barrages, cross drainage works and other hydraulic structures using crushed stone aggregate (screening & washing) and coarse sand i/c costof all labour and material and finishing the exposed surface, cast in situ/precast excluding the cost of steel reinforcement and labour for bending binding also excludig cost of additives which have to be paid separately. (1:2:4)		22.86			
4	06-08-b	-08-b Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)		62.23			
	Total						

Engineer's Estimate Package-3(Canals)

### **Emergency Flood Assistance Project (EFAP)-KP**

### EFAP-KPID- CW-03: Rehabilitation of Canals and Drains, Paharpur Irrigation Division

### Bill No. 13: Provision of Stone Pitching

Item No.	Description		Unit	Quantity	Unit Rate (PKR) in Figures	Unit Rate (PKR) in Words	Amount (PKR) in Figures
1	03-12-a	Earth excavation in irrigation channels/drains & disposal upto 25m. & dressing : in Ordinary Soil	1000 Cft	70.67			
2	19-25	Providing and Laying stone pithcing/filling, dry hand packed in pitching & aprons	100 Cft	789.41			
3	19-28-a	Providing and laying stone pitching, for top layer only:- on slope	100 Cft	212.44			
4	19-28-b	Providing and laying stone pitching, for top layer only:- on level	100 Cft	87.00			
5	19-29-a	Providing and Laying stone or spawl filling : On slope	100 Cft	141.68			
6	19-29-b	Providing and Laying stone or spawl filling : On level	100 Cft	58.00			
7	06-48-j	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days	100 Cft	1.98			
8	06-44-b	PCC 1:3:6 in mass concrete less formwork using 40% boulders	100 Cft	29.21			
9	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	100 Cft	34.29			
10	03-67-с	Structural backfill using Common Material available at site.	1000 Cft	0.27			
	Total						

# Annexure-B Extension to deadline for Submission of Bids

2-4 Section 2: Bid Data Sheet

ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall consist of a board resolution or its equivalent, or power of attorney, which should either be:
	a) notarized, or
	b) attested to by an appropriate forum (authority) in the Bidder's home country, specifying the representative's authority to sign the bid on behalf of the bidder.
	If the bidder is an intended or existing joint venture, such authorization should be signed by all parties and specify the representative's authority to sign the bid on behalf of the intended or existing joint venture.
	If the joint venture has not yet been formed, also include written evidence from all proposed partners of joint venture of their intent to enter into a joint venture in the event of a contract award.
ITB 20.2	The Bidder shall submit an acceptable authorization within fourteen (14) days.

### D. Submission and Opening of Bids

ITB 21.1	Bidders shall submit their Bids by mail or by hand.				
ITB 21.1 (b)	Electronic bidding submission procedures shall be: Not Applicable.				
ITB 22.1	For bid submission purposes only, the Employer's address is:				
	Attention:	Project Director Project Management Office Pehur High Level Canal Extension Project/ Emergency Flood Assistance Project Khyber Pakhtunkhwa, Irrigation Department			
	Street address:	Gohati, Swabi			
	Floor/ Room number:	Office of the Project Director			
	City:	Swabi, Khyber Pakhtunkhwa			
	ZIP code:	23430			
	Country:	Islamic Republic of Pakistan			
	Telephone:	+92-(938)-530103			
	E-mail address:	pmophlce@gmail.com / efapirrigation@gmail.com			
	The deadline for b	oid submission is:			
	Date:	08 November 2023			
	Time:	1100 Hours			
ITB 25.1	The bid opening sh	nall take place at:			
	Street address:	Office of the Project Director Project Management Office Pehur High Level Canal Extension Project/ Emergency Flood Assistance Project Khyber Pakhtunkhwa, Irrigation Department			
	Floor / Room number:	Office of the Project Director			
	City:	Gohati, Swabi, Khyber Pakhtunkhwa			
	ZIP code:	23430			
	Country:	Islamic Republic of Pakistan			
	Date:	08 November 2023			