



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT

IMED FORM NO: - 04/2003 (Revised)

**NAME OF PROJECT: BANK PROTECTIVE WORK & DREDGING
WORK IN ARIAL KHAN RIVER IN FARIDPUR
DISTRICT (1ST REVISED)**

DIVISION : FARIDPUR O&M DIVISION, BWDB, FARIDPUR.
CIRCLE : FARIDPUR O&M CIRCLE, BWDB, FARIDPUR.
ZONE : WESTERN ZONE, BWDB, FARIDPUR.

Government of the People's Republic of Bangladesh
Ministry of Planning
Implementation Monitoring and Evaluation Division

PROJECT COMPLETION REPORT: IMED 04/2003 (Revised)

A. PROJECT DESCRIPTION:

01. Name of the Project : Bank Protective Work & Dredging Work in Arial Khan River in Faridpur District (1st Revised)
02. Administrative Ministry/Division : Ministry of Water Resources (MoWR).
03. Executing Agency : Bangladesh Water Development Board (BWDB).
04. Location of the Project : Upzilla: Bhanga & Sadarpur; Zilla: Faridpur.
05. Objectives of the Project :

- To prevent river bank erosion and protect local people from flood by implementing river bank protective works.
- To protect school, haat-bazar, road, bridge, houses, land as well as Govt. and Private infrastructures from threatening of river erosion situated along the river bank in the project area.
- To increase the conveyance capacity of Arial Khan River by River Bed Dredging Works.
- To ensure Socio-economic development and Sustainable Environmental Balance in the project area.

06. Estimated Cost : (In lakh Taka)

	Original	Latest Revised (1 st)
(a) Total	29149.46	33047.57
(b) Taka	29149.46	33047.57
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07.	Date of Approval	:	PCP	PP
(a) Original		:	-	11/09/2018
(b) Latest Revised (1 st Revision)		:	-	31/03/2021
(c) Inter Item Cost Adjustment		:	-	11/04/2022

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	March 2018	June 2021
(b) Latest Revised (1 st)	March 2018	June 2022
(c) Actual	March 2018	June 2022

09. Financing Arrangement (Source-wise) : GoB



9.1 Status of Loan/Grant

a) Foreign Financing: N/A

Source (s)	Currency as per Agreement	Amount in US \$ (Million)	Nature (Loan/Grant/supplier's/credit)	Date of Agreement	Date of Effective -ness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8

b) GoB :

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
33047.57	-	33047.57	-

9.2 Utilization of Project Aid: (Source wise) N/A

(In million)

Source (s)	Total Amount		Actual Expenditure		Unutilized Amount	
	In US \$	In Local Currency	In US \$	In Local Currency	In US \$	In Local Currency
1	2	3	4	5	6	7

9.3 Re-imbursible Project Aid (RPA): N/A

(In lakh Taka)

R P A Amount		Amount Spent	Amount Claimed	Amount Re-imbursed	Remarks
As per PP	As per Agreement				
1	2	3	4	5	6

B. IMPLEMENTATION POSITION

01. Implementation Period:

Implementation Period as per PP		Actual Implementation period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
March 2018 to June 2021	March 2018 to June 2022	March 2018 to June 2022	30.00%	Due to slow progress & unsatisfactory performance, 6 packages of bank protective work were cancelled. The remaining works were done by appointing new contractor through fresh tendering method. For this, additional time was required. So, the project was delayed.

02. Cost of the Project:

(In lakh Taka)

Description	Estimated Cost		Actual expenditure	Cost over-run (% of original cost)	Remarks
	Original	Latest revised			
1	2	3	4	5	6
TOTAL	29149.46	33047.57	29998.55	(+) 2.913%	The Project has been completed by 2.913 % more than the original DPP cost because the length of protective works increased in the revised DPP.
TAKA	29149.46	33047.57	29998.55		
PA	-	-	-		

03. Project Personnel: Project Work has been implemented by existing manpower of Faridpur O&M Division, BWDB.

Sanctioned strength as per PP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per pp	Existing manpower for O & M	Others		
1	2	3	4	5	Male	Female
Officer (s)	Existing manpower of the implementing agency were deployed during implementation of the project.					
Staff(s)						
Total:						

04. Training of Project Personnel (Foreign/Local): No provision of training in this project.

Field of	Provision as per PP		Actual		Remarks
	Number of person	Man - months	Number of person	Man - months	
1	2	3	4	5	6

a. Foreign

b. Local

05. Component-wise Progress (As per latest approved PP):

(In lakh Taka)

Items of work (as per PP)	Unit	Target (as per PP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
Revenue Component						
Travelling Allowance	LS	5.00	100%	4.97	100%	
Petrol and Lubricant	LS	11.00	100%	10.97	100%	
Printing	LS	3.00	100%	2.98	100%	
Office Stationery, Seal & Stamps	LS	2.00	100%	1.98	100%	
Publications and Advertisement	LS	1.00	100%	0.88	100%	
Irregular Labour	LS	20.00	100%	13.71	65%	
Honorarium/ Fee/ Remuneration	LS	10.00	100%	9.87	100%	
Mid Term Project Evaluation	LS	5.00	100%	5.00	100%	
Survey & Investigation	LS	12.00	100%	11.99	100%	
Exposure Visit	LS	150.00	100%	0.00	0.00	
Repair & Maintenance of Existing Vehicles.	LS	10.00	100%	8.66	100%	
Repair, Maintenance of Office/Residential Building	LS	64.88	100%	63.97	100.00 %	
Repair of Computer & Office Equipment	LS	0.50	100%	0.49	100.00	
Sub Total (Revenue)=		294.38		135.47		
Capital Component						
Jeep (2500 CC, 1 No) (5 Doors)	Nos	60.00	1	0.00	0	Couldn't be procured due to Covid-19 related financial restriction.
Engineering Instrument (Levelling Instrument, 2 Nos.)	Nos	3.00	2	3.00	2	
Engineering Instrument (Fish Finder 1Set, Sieve and Weight Machine 1 set)	Nos	2.50	2	2.48	2	
Computer with UPS and Printer (Desktop 2 nos, Laptop 2 Nos.)	Nos	4.00	4	3.00	3	
Office Equipment (Photocopier Machine, 1 Nos.)	Nos	3.00	1	3.00	1	
Forestation (Tree Plantation)- 1 Item	Item	10.00	1 Item	9.96	1 Item	
Protective Work	KM	17050.76	5.555	18286.59	5.555	
End Termination	KM	1243.78	0.283		0.283	
Char Dredging	KM/ Cum	14291.15	7.70 KM/ 98.51 Lakh Cum	11491.70	7.70 KM/ 69.83 Lakh Cum	As per recommendation of IWM and BWDB taskforce joint survey, volume of implemented dredging has been finalized & accordingly cost is

Items of work (as per PP)	Unit	Target (as per PP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
						decreased.
Turfing for Dredged Spoil Earth	LS	25.00	LS	19.95	79.8%	
Construction of 5 Nos. Ghat	Nos	50.00	5.00	43.40	5.00	
Sub Total (Capital)=		32743.19		29863.08		
Price contingency, 1 Item	1 Item	5.00	1 Item	0.00	-	
Physical contingency, 1 Item	1 Item	5.00	1 Item	0.00	-	
Grand Total:		33047.57	100%	29998.55	99.00%	

06. Information regarding Project Director (s):

Name & Designation with pay Scale.	Full time	Part time	Responsible for more than one project	Date of		Remarks
				Joining	Transfer	
1	2	3	4	5	6	7
Md. Sultan Mahmud Executive Engineer Scale: 43000-69850 (5 th Grade)	Full Time	-	Yes	12/12/2018	26/08/2021	
Partha Pratim Saha Executive Engineer Scale: 43000-69850 (5 th Grade)	Full Time	-	Yes	24/10/2021	30/06/ 2022	

07. Procurement of Transport (in Nos.): Couldn't be procured due to Covid-19 related financial restrictions.

Type of transport	Number as per P.P.	Procured with date	Transferred to Transport Pool with date	Transferred to O & M with date	Condemned/damaged with date	Remarks
1	2	3	4	5	6	7

08. Procurement of Goods, Works and Consultancy Services:

08.1 Goods & Works of the Project costing above Tk. 200.00 lakh. And consultancy above Tk. 100.00 lakh:

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective Work along the Right Bank of Arial Khan River from KM 0.000 to KM 0.300 300.00 M With U/S Entermation at Chandrapara in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur District Faridpur. (Package No. AK-01/PW/CPDPS)	Orginal- 1186.86 Revised- 980.07	Orginal 863.77 Revised- 980.07	26/12/18	25/04/19	28/02/21	28/02/21
Protective Work along the Right Bank of Arial Khan River from KM 0.300 to KM 0.600 300.00 M at Chandrapara in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur District Faridpur. (Package No. AK-02/PW/CPDPS/2018-19 & 2019-20)	Orginal- 1089.01 Revised- 110.08	Orginal- 740.49 Revised- 110.08	26/12/18	19/03/19	25/06/20	08/02/21 (Cancelled)
Protective Work along the Right Bank of Arial Khan River from KM 0.600 to KM 0.900 300.00 M at Chandrapara in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur District Faridpur. (Package No. AK-03/PW/CPDPS/2018-19 & 2019-20)	Orginal- 864.80 Revised- 114.49	Orginal- 722.12 Revised- 114.49	26/12/18	19/03/19	25/06/20	08/02/21 (Cancelled)

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective Work along the Right Bank of Arial Khan River from KM 0.900 to KM 1.200 300.00 M With D/S Entermiation at Chandrapara in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upzallia- Sadarpur District- Faridpur.(Package No: AK-04/PW/CPPDS/2018-19 & 2019-20	Orginal-967.27 Revised-6.60	Orginal-733.89 Revised-6.60	26/12/18	19/03/19	25/06/20	08/02/21 (Cancelled)
Protective Work along the Right Bank of Arial Khan River from KM 0.300 to KM 0.600 300.00 M at Chandrapara in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur District Faridpur. (Package No. AK-02/PW/CPPDS/2021-22) (Tender ID:596124)	888.94	888.94	01/08/21	19/09/21	26/06/22	06/06/22
Protective Work along the Right Bank of Arial Khan River from KM 0.600 to KM 0.900 300.00 M at Chandrapara in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur District Faridpur. (Package No. AK-03/PW/CPPDS/2021-22) (Tender ID:596125)	842.48	842.48	01/08/21	19/09/21	26/06/22	26/06/22
Protective Work along the Right Bank of Arial Khan River from KM 0.900 to KM 1.200 300.00 M With D/S Entermiation at Chandrapara in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upzallia- Sadarpur District- Faridpur.(Package No: AK-04/PW/CPPDS/2021-22. (Tender ID:596126)	1145.36	1145.36	01/08/21	20/09/21	26/06/22	30/06/22

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective Work along the Right Bank of Arial Khan River from KM 0.000 to KM 0.300=300.00m at Duair Darga Bazar in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No. AK-01/PW/DDB)	1014.97	1014.97	11/11/19	30/01/20	25/06/21	25/06/21
Protective Work along the Right Bank of Arial Khan River from KM 0.300 to KM 0.600=300.00m at Duair Darga Bazar in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No. AK-02/PW/DDB)	936.78	936.78	11/11/19	27/01/20	25/06/21	25/06/21
Protective Work along the Right Bank of Arial Khan River from KM 0.600 to KM 0.815 215.00m at Duair Darga Bazar in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Bhanga District Faridpur. (Package No. AK-03/PW/DDB/2018-19 & 2019-20)	Orginal-603.79 Revised-109.48	Orginal-494.56 Revised-109.48	26/12/18	19/03/19	25/06/20	08/02/21 (Cancelled)
Protective Work along the Right Bank of Arial Khan River from KM 0.815 to KM 1.200 385.00m With D/S End Termination at Duair Darga Bazar in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Bhanga District Faridpur. (Package No. AK-04/PW/DDB)	Orginal-983.34 Revised-127.75	Orginal-946.11 Revised-127.75	26/12/18	19/03/19	25/06/20	08/02/21 (cancelled)

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective Work along the Right Bank of Arial Khan River from KM 0.600 to KM 0.815 215.00m at Duair Darga Bazar in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Bhanga District Faridpur. (Package No. AK-03/PW/DDB/2021-22) (Tender ID:596127)	413.52	413.52	01/08/21	19/09/21	26/06/22	25/06/22
Protective Work along the Right Bank of Arial Khan River from KM 0.815 to KM 1.200 385.00m With D/S End Termination at Duair Darga Bazar in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Bhanga District Faridpur. (Package No. AK-04/PW/DDB/2021-22) (Tender ID:596128)	993.73	993.73	01/08/21	21/09/21	26/06/22	30/06/22
Protective Work along the Right Bank of Arial Khan River from KM 0.000 to KM (-)0.180=180.00m at Duair Darga Bazar in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No. AK-05/PW/DDB/2020-21 & 2021-22)	1005.91	1005.91	27/06/21	26/08/21	29/06/22	24/06/22
Protective Work along the Right Bank of Arial Khan River from KM 0.000 to KM 0.400=400.00m at Zikkar More in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No. AK-01/PW/ZM)	1094.21	1094.21	11/11/19	30/01/20	30/03/22	30/03/22

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective Work along the Right Bank of Arial Khan River from KM 0.400 to KM 0.800=400.00m at Zikkar More in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No. AK-02/PW/ZM)	1053.26	1053.26	11/11/19	30/01/20	30/03/22	30/03/22
Protective Work along the Right Bank of Arial Khan River from KM 0.800 to KM 1.100=300.00m at Zikkar More in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No. AK-03/PW/ZM)	814.27	814.27	11/11/19	30/01/20	25/06/21	15/06/21
Protective Work along the Right Bank of Arial Khan River from KM 1.100 to KM 1.400=300.00m at Zikkar More in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No. AK-04/PW/ZM)	852.86	852.86	11/11/19	30/01/20	25/06/21	27/06/22
Protective Work along the Left Bank of Arial Khan River from KM. 0.000 to KM. 0.400 400.00m With U/S End Termination at Charbandar Khola Fazil Madrasa area in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No. AK-01/PW/CBFM.)	Orginal-1010.18 Revised-1435.21	Orginal-963.32 Revised-1435.21	26/12/18	24/04/19	22/02/21	22/02/21

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective Work along the Left Bank of Arial Khan River from KM 0.400 to KM 0.600 200.00m at Charbandar Khola Fazil Madrasa area in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No:AK-02/PW/CBFM/2018-19 & 2019-20	Orginal-476.42 Revised-322.83	Orginal-467.88 Revised-322.83	26/12/18	19/03/19	30/06/20	08/04/21 (Cancelled)
Protective Work along the Left Bank of Arial Khan River from KM 0.400 to KM 0.600 200.00m at Charbandar Khola Fazil Madrasa area in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No:AK-02/PW/CBFM/2021-22 (Tender ID:589910)	651.78	651.78	17/08/21	30/09/21	26/06/22	26/06/22
Protective Work along the Left Bank of Arial Khan River from KM 0.600 to KM 0.915 315.00m at Charbandar Khola Fazil Madrasa area in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No:AK-03/PW/CBFM/2021-22 (Tender ID:589910)	1046.12	1046.12	27/06/21	30/09/21	28/06/22	27/06/22

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective Work along the Left Bank of Arial Khan River from KM 0.000 to KM 0.360 360.00m at Charbandar Khola Fazil Madrasa area in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No:AK-06/PW/CBFM/2020-21 & 2021-22	Orginal-1220.95 Revised-1121.71	Orginal-1098.85 Revised-1121.71	02/11/20	02/03/21	20/06/22	20/06/22
Protective Work along the Left Bank of Arial Khan River from KM 0.400 to KM 0.600 200.00m at Charbandar Khola Fazil Madrasa area in C/W Bank Protective Work & Dredging Project in Arial Khan River in Faridpur District in Upazilla Sadarpur Dist Faridpur. (Package No:AK-07/PW/CBFM/2020-21 & 2021-22	Orginal-1323.06 Revised-1212.13	Orginal-1190.75 Revised-1212.13	02/11/20	02/03/21	20/26/22	20/06/22
Dredging of Char in Arial Khan River from KM 0.000 to KM 1.300 1300.00m at Duair Darga Bazar in C/W Bank Protective Work & Dredging in Arial Khan River in Faridpur District under Faridpur O&M Division BWDB Faridpur during the year 2019-20 & 2020-21. (Package No.-AK-01/DREG/DDB/2019-20 & 2020-21)	2487.42	2487.42	28/08/19	26/12/19	30/5/21	16/4/21
Dredging of Char in Arial Khan River from KM 0.000 to KM 1.500 = 1500.00m at Charbondorkhola Fazil Madrasa in C/W Bank Protective Work & Dredging in Arial Khan River in Faridpur District under Faridpur O&M Division BWDB Faridpur during the year 2019-20 & 2020-21 ((Package No.-AK-02/DREG/CBFM/2019-20 & 2020-21)	2339.50	2339.50	02/09/19	12/01/20	25/6/21	25/6/21

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Dredging of Char in Arial Khan River from KM 0.000 to KM 1.500= 1500.00m at Chandrapara Pak Darbar Sharif in C/W Bank Protective Work & Dredging in Arial Khan River in Faridpur District under Faridpur O&M Division BWDB Faridpur during the year 2019-20 & 2020-21. ((Package No.-AK-03/DREG/CPPDS/2019-20 & 2020-21))	2922.38	2922.38	28/08/19	10/12/19	30/5/21	30/5/21
Dredging of Char in Arial Khan River from KM 0.000 to KM 2.000 =2000.00m at Zikkar More in C/W Bank Protective Work & Dredging in Arial Khan River in Faridpur District under Faridpur O&M Division BWDB Faridpur during the year 2019-20 & 2020-21.(AK-04/DREG/ZM/2019-20 & 2020-21)	3842.10	3842.10	26/02/20	20/07/20	23/5/22	17/5/22
Dredging of Char in Arial Khan River from KM 0.000 to KM 1.400 =1400.00m at Munshikandi in C/W Bank Protective Work & Dredging in Arial Khan River in Faridpur District under Faridpur O&M Division BWDB Faridpur during the year 2019-20 & 2020-21.(AK-05/DREG/MK/ 2021-22)	2699.75	2429.73	01/08/21	29/11/21	27/06/22	27/06/22

8.2 Use of Project Consultant (s) (Foreign/Local): Not Applicable.

Name of the Field	Approved man month		Actual man month utilised	Remarks
	As per PP	As per contract		
1	2	3	4	5

09. Construction/Erection/Installation Tools & Equipment: Not Applicable.

Description of items	Quantity (as per PP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
Fish Finder	2	28/06/22	Faridpur O&M Division 30/06/22	-	2	Is being used for bathymetry Survey for the monitoring of implemented work.
Photocopier Machine	2	30/06/19	Faridpur O&M Division & RAC, Faridpur 30/06/19	-	2	Is being used for official Work of O&M division and RAC, Faridpur.
Levelling Machine	2	28/06/22	Faridpur O&M Division 30/06/22	-	2	Is being used for Survey for the monitoring of implemented work.
Desktop PC and Laptop	3	30/06/19	Faridpur O&M Division 30/06/19	-	3	Is being used for official Work of O&M division and Sub division.

C. FINANCIAL AND PHYSICAL PROGRAMME:

01. (a) Original and revised schedule as per PP:

(In lakh Taka)

Financial Year	Financial provision & physical target as per original PP				Financial provision & physical target as per latest revised PP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2017-18	2711.50	2711.50	-	9.30	0.00	0.00	-	-
2018-19	10030.75	10030.75	-	34.41	96.77	96.77	-	0.29
2019-20	10024.75	10024.75	-	34.39	4870.68	4870.68	-	14.74
2020-21	6382.46	6382.46	-	21.90	5475.28	5475.28	-	16.57
2021-22	0.00	0.00	-	0.00	22604.84	22604.84	-	68.40
Total	29149.46	29149.46	-	100.00	33047.57	33047.57		100.00

01. (b) Revised ADP allocation and progress:

(In lakh Taka)

Financial Year	Revised Allocation & target				Taka release	Expenditure & physical progress			
	Total	Taka	P.A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2018-19	100.00	100.00	-	0.50	100.00	96.77	96.77	-	0.50
2019-20	5000.00	5000.00	-	29.00	4875.00	4870.48	4870.48	-	28.00
2020-21	7000.00	7000.00	-	25.00	5500.00	5475.27	5475.27	-	26.00
2021-22	20480.00	20480.00	-	45.50	20478.60	19556.03	19556.02	-	44.50
Ttoal	32580.00	32580.00	-	100.00	30953.60	29998.55	29998.55	-	99.00

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
(a) To Prevent River bank erosion and flood by construction of river bank protective works.	(a) 5.555 KM Bank Protective work along the Right/ Left Bank of Arial Khan River has been Completed.	No shortfall
(b) To protect the Govt. and Private infrastructures from threatening of river erosion situated along the river bank in the project area.	(b) Various Govt. and Private infrastructure situated along the river bank in the project area are protected by the Bank Protective Works.	
(c) To increase the conveyance capacity of Arial Khan River by Dredging Work.	(c) 7.70 KM Dredging Work has been completed to increase the conveyance capacity of arial khan river.	
(d) To ensure Socio-economic development and Sustainable Environmental Balance in the project area.	(d) Socio-economic development and Sustainable Environment Balance in the project area is ensured.	

E. BENEFIT ANALYSIS

01. Annual Out-put:

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-put during the 1st year of operation at full capacity (or during, real production for newly completed project).
a) Agricultural land saved from erosion	Ha	2500.00	2500.00
b) Households saved from erosion	nos	5000	4900
c) School, College, Masjid, Madrasa saved from erosion	nos	19	19
d) Road saved from erosion	km	47.00	47.00
e) Bridge/Culvert saved	nos	10	10
f) Trees saved	nos	10,000	9,600

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	1.92:1.00	Will be evaluated later by concern directors of BWDB and IMED
(ii) Economic	2.21:1.00	
(2) Internal Rate of Return		
(i) Financial	27.43%	
(ii) Economic	32.07%	

02. Please give reasons for shortfall, if any, between the estimated and actual benefit: N/A

F. MONITORING AND AUDITING**0.1 Monitoring:**

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(a) <u>Ministry / Agency:</u> Mr. Kabir Bin Anwar Senior Secretary Ministry of Water Resource.	04/09/20	No major problems identified.	1) Project must be completed within stipulated time. Dredged earth must be managed in planned way to reclaim land. 2) Dolly Construction 6 Nos Contracts must be cancelled and remaining works shall be Completed with new Contractors.
Mr. Kabir Bin Anwar Senior Secretary Ministry of Water Resource.	05/11/21	No major problems identified.	1) Project must be completed within stipulated time. Dredged earth must be managed in planned way to reclaim land.
Mrs. Alam Ara Begum Addition Secretary Ministry of Water Resource.	21/06/21	No major problems identified.	1) The ongoing Package works of the project must be completed within the stipulated time while maintaining proper quality standards. 2) Dolly Construction 6 Nos Contracts must be cancelled and remaining works shall be Completed with new Contractors.
Mrs. Alam Ara Begum Addition Secretary Ministry of Water Resource.	24/09/21	No major problems identified.	1) The ongoing Package works of the project must be completed within the stipulated time while maintaining proper quality standards. 2) 1 package of dredging work shall be evaluated and the work shall be started by issuing work orders at the earliest.

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(b) Ministry / Agency: Mid-Term Evaluation committee consisting of 13 (Thirteen) members 1) Mr. Montu Kumar Biswas Joint Chief Ministry of Water Resource. 2) Mr. Md. Musa Joint chief (Development-1), Ministry of Water Resource. 3) Mr. Taufiqul Islam Joint chief -2, Ministry of Water Resource. 4) Mr. Md. Abul Kalam Azad Deputy Chief, Agriculture, Water Resources & Rural Division, Planning Commission 5) Mr. Mahmud Hasan Deputy-Secretary, Ministry of Water Resources. 6) Mr. Abdul Hekim Superintending Engineer, Faridpur O&M Circle BWDB, Faridpur. 7) Mr. Md. Sultan Mahmud Executive Engineer Faridpur O&M Division, BWDB, Faridpur 8) Mr. Md. Abu Bakkor Siddique Executive Engineer Chief Monitoring, BWDB, Dhaka. 9) Mrs. Sarmin Sultana, Senior Assistant Chief, (Water Resource-2) Planning Commission. 10) Mr. Khandakar Mohammad Ali, Director, IMED 11) Mr. Shan e Alam Misty Senior Assistant Chief -4, Ministry of Water Resources 12) Member, Design Circle-5, BWDB, Dhaka. 13) Md. Anwaruzaman, Director, Project Evaluation Division, BWDB, Dhaka	20/11/20 To 21/11/20	Attached as Annexure -1	
AKM Samsul Alam Additional Director General, West Region, BWDB, Dhaka	24/09/21	No major problems identified.	1) The ongoing works of the project must be completed within the stipulated time while maintaining proper quality standards. 2) 1 package of dredging work shall be evaluated and the work shall be started by issuing work orders at the earliest.
Abdul Hekim, Chief Engineer Western Zone, BWDB, Faridpur.	02/03/21	No major problems identified.	1) Instructed to follow approved designs for construction works & to complete within the stipulated time.

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
3) Syed Shahidul Alam Superintending Engineer, Faridpur O&M Circle, BWDB, Dhaka	02/02/21	No major problems identified.	1) Instructed to follow approved designs for construction works.
(b) IMED: Md. Afzol Hossain Director General, Sector-4 IMED	04/12/20	No major problems identified.	1) Instructed to follow approved designs for construction works & to complete within the stipulated time.
(c) Others: (Please specify) Mujibur Rahman Chowdhury, MP Faridpur-4 Constituency.	04/09/20	No major problems identified.	1) Project must be completed within stipulated time.

0.2. Auditing during and after Implementation:

2.1. Internal Audit: Not Conducted.

Period of Audit	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
No internal Audit			

2.2. External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2019-20	4 Nos	Liquidity Damage of cancelled contracts are not claimed.	1 Nos is resolved. BROADSHEET reply were Submitted for other 3 objections.
2020-21	1 Nos	Liquidity Damage of cancelled contracts are not claimed.	Answer is submitted through Competent Authority and mitigation of the objection is under process.
2021-22	Yet to be conducted		

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on Bank Protective Work & Dredging Work in Arial Khan River in Faridpur District (1st Revised) (Inter Item Cost Adjustment).

1.1 Background: Chandrapara Pak Darbar Sharif and adjoining areas such as Zikkar Mor, Charmanair Fazil Madrasa and Duair Darga Bazar area under Sadarpur and Bhanga upazilas of Faridpur district respectively are located on the right and left banks of Arial Khan River. The mentioned areas are adjacent to the Faridpur-Barisal flood control embankment (Faridpur Unit) and have been subject to repeated breaches. In view of that, the project entitled "**Bank Protective Work & Dredging Work in Arial Khan River in Faridpur District**" was approved as per the instructions of the Honorable Prime Minister in the ECNEC meeting dated 11/09/2018. The main DPP of the project with Tk 29149.46 lakhs is scheduled for implementation from 01.03.2018 to 30.06.2021. After the approval of the original DPP, the 1st package of river bank protection works in Charbandarkhola Fazil Madrasa and Duair Darga Bazar area caused a lot of erosion due to morphological changes at the upstream of the river, hence new river bank protection works and river dredging works to remove the submergence of the area between Chermanair and Zikkar Mor. are included in the revised DPP. The first amendment involving the expenditure of 33047.57 lakh rupees of the project was approved by the Ministry of Water Resources on 31.03.2021 for implementation from 01.03.2018 to 30.06.2022.

As per the original DPP, a total of 5.380 km of river bank protection work under the project was covered under a total of 17 packages. Also, under 4 packages of river dredging works total 6.30 km were resourced. According to the revised DPP, the total package of river bank Protective works is 5.555 km under 18 packages and 7.70 km of dredging work under 5 packages.

1.2 Justification/Adequacy: Bangladesh is a riverine country and bank-line erosion of different rivers has been a recurrent effect. River bank erosion in alluvial lands of Bangladesh is a complex and dynamic thrust of nature due to strong onrush of water and major variation in between normal water flow and surges of inflow during monsoon & post-monsoon period in each year. The monsoon discharge of the major rivers is so large that there is recurrence of floods every year. Sometimes it becomes very severe and causes immense damages impacted by occurrence of devastating river erosion. This has significant social and economic impacts. The loss of land, crop and property has led to landlessness and impoverishment of thousands of dwellers living within bankline/flood-plains. The large seasonal variation in river flow results in varying sediment transportation capacity and causes river-bank erosion, migration of river-bank and meandering of river channels. There is a direct relevance of the project to the objectives stated above. Immediate objective of bank protection from river bank erosion and the ultimate objectives are safety of lives, properties and its economic impacts will be fulfilled for improved socio-economic and environmental impacts.

1.3 Objectives

- To prevent river bank erosion and protect local people from flood by implementing river bank protective works.
- To protect school, haat-bazar, road, bridge, houses, land as well as Govt. and Private infrastructures from threatening of river erosion situated along the river bank in the project area.
- To increase the conveyance capacity of Arial Khan River by River Bed Dredging Works.
- To ensure Socio-economic development and Sustainable Environmental Balance in the project area.

1.4 Project revision with reasons: M/s Dolly Construction Ltd. was the contractor for 06 packages of river bank Protective works as per original DPP. The period of implementation of 06 packages was scheduled from 19.03.2019 to 30.06.2020 AD. But even though the contractor has been repeatedly requested to implement the work at the field level, verbally and in writing, it has not been possible to



achieve timely progress in the implementation of the work due to extreme reluctance and negligence of the contractor. Office of the Executive Engineer, BWDB, Faridpur Memorandum No-K-49/3411; Date: 31/10/2019 A.D. 28 days final notice of cancellation of work is issued to the contracting firm through letter issuance. In continuation of this, according to the decision taken in the 2nd meeting of the Steering Committee on the subject project held at the Ministry of Water Resources on 27/08/2020 AD, the decision to cancel the contract of 06 packages with M/s.Dolly Construction Ltd. In light of the decision taken in the steering committee meeting, the contract of 06 packages including 05 packages dated 08/02/2021 and 01 package dated 08/04/2021 AD was canceled as per Section 42 of PPR-2008 and Tender GCC Clause NO-89.

After cancellation of work with M/s Dolly Construction Ltd, 2021 flood occurred. After the flood of 2021, it can be seen that the course of the river is directly affecting the river bank Protective works due to the morphological changes of the river in the Chandrapara Pak Darbar Sharif area. In view of that, there is a need to revise the design of river bank Protective works in Chandrapara area. Revised Design of River Bank Protective Works in Chandrapara Area DC-5-5359; Date-27/06/2021 A.D. has been found and in the light of this the work order has been issued to the new contractor by inviting tenders to prepare estimates as per schedule of rates for June 2019 and all the river bank Protective works are ongoing.

Similarly, river morphological changes were observed in Charmanair area at the end of June/July 2021 flood after cancellation of Dolly Construction Ltd. In this situation, the revised design No. DC-5-5008-R1 of Chermanair area was approved on 08/08/2021 A.D. for 200 meters of the 2nd package of river bank Protective works in Chermanair area. As per the revised approved design, the contractor has been appointed through re-tendering of AK-02/PW/CBFM package of river bank Protective works and currently the river bank Protective works are being carried out by the new contractor.

The 4th meeting of the steering committee on the project was held on 15-09-2021 AD in the meeting room of the Ministry of Water Resources (meeting minutes are attached). According to the 1st revised DPP, the contract value of 06 packages canceled in the said meeting was BDT. 4105.03 lakhs. But newly the total contract value for implementation of remaining works of 06 packages is BDT. 5727.04 lakhs, which is BDT. 1622.01 lakhs more than the cost of sanctioned bodies. Design revisions in Chandrapara and Chermanair areas resulted in increased cost due to increased number of CC blocks and geobags in the packages. Estimates of 06 Nos. canceled packages were prepared following Schedule of Rates as per BWDB Schedule dated 01 September 2018. But the estimate for the remaining works has been prepared as per the current BWDB Schedule of Rates (July 1, 2019). That is, the number of CC blocks and geobags has increased as a result of modifying the design. On the other hand, the estimated cost has increased due to schedule changes. On the other hand, in Charbandar Khola Fazil Madrasa area of Chermanair Union of River Bank Protective Work, Package No. 03 (AK-03/PW/CBFM), Package No. 06 (AK-06/PW/CBFM), Package No. 07 (AK-07/PW/CBFM) And the contract value of package No. 05 (AK-05/PW/DDB) of river bank Protective works in Darga Bazar area of Duair and package No. 01 of Chandrapara area (AK-01/PW/CPDPS) has decreased by Rs.847.88 lakhs from the estimated price. In the financial year 2020-21, out of 05 packages of river dredging work of the project, 03 packages have been completed and a total saving of 874.13 lakh BDT. has been achieved in 03 dredging packages. With this saved money, the additional cost of the remaining works of the river bank protection works of the canceled 06 Nos. packages can be arranged through inter item cost adjustment. In view of this, in the light of the decision of the 4th steering committee meeting on the said project of the Ministry of Water Resources, it was decided to send the proposal of inter item cost adjustment to the Ministry quickly.

From December 2019, the outbreak of coronavirus occurred in the world and it spread all over the world. Due to the outbreak of the COVID-19 virus in Bangladesh as well, the government declared a general holiday from 26-03-2020 AD and inter-district and inter-upazila communications were cut off. On the other hand, the government has instructed everyone to maintain social distancing. Due to



the Corona situation, the presence of workers in the field is also reduced to maintain social distance and fear among the workers. On the other hand, uninterrupted supply of necessary construction materials at the field level was not possible due to the lack of inter-district communication. In the situation that arose, the pace of implementation of development work at the field level was slow. Due to which the project duration till June'2022 has been approved by the appropriate authorities.

At present, a total of 3.555 km of river bank Protective works and 2 river dredging works under 12 packages of field level river bank Protective works are underway in the financial year 2021-22.

- 2. Rationale of the project in respect of Concept, Design, Location and Timing:** Bangladesh is a riverine country and bank-line erosion of different rivers has been a recurrent effect. River bank erosion in alluvial lands of Bangladesh is a complex and dynamic thrust of nature due to strong onrush of water and major variation in between normal water flow and surges of inflow during monsoon & post-monsoon period in each year. The monsoon discharge of the major rivers is so large that there is recurrence of floods every year. Sometimes it becomes very severe and causes immense damages impacted by occurrence of devastating river erosion. This has significant social and economic impacts. The loss of land, crop and property has led to landlessness and impoverishment of thousands of dwellers living within bankline/flood-plains. The large seasonal variation in river flow results in varying sediment transportation capacity and causes river-bank erosion, migration of river-bank and meandering river channels. Many Governments Structure, Roads, Buildings are located in such as a position just 300m distance from the eroded Arial Khan River. So, if more erosion occurs then these structures will be high risk by River flow. The 5.555 KM permanent protective work will protect the project area. So, the location and timing are accurate for this project.

3. Brief description on planning and financing of the project and its applicability.

- ◆ **Project Identification:** The project is located along the Right and Left Bank of Arial Khan River in Faridpur district of Bhanga and Sadarpur upazilla of Faridpur District.

Due to the severe erosion problem of the Arial Khan River, Chandrapara, Duair Darga Bazar, Zikkar Mor and Charmanair Fazil Madrasa areas were at high risk. To protect these areas, DO Letter was given by Nilufar Zafarullah, MP & Mujibur Rahman Chowdhury, MP to MoWR. So to have a permanent river bank, protective works were implemented along the bank of Arial Khan River throughout 5.555 km length. The prevailing condition of the river erosion was such that it was necessary to construct permanent protective work instead of retired embankment for prevention of erosion. Besides this, most of the inhabitants of Chandrapara, Duair Darga Bazar, Zikkar Mor and Charmanair Fazil Madrasa areas were under in threat of Bank erosion and inhabitants of these area were already shifted there house several times due to the erosion problem. Local people became frustrated. The socio-economic condition was deteriorating day by day.

- ◆ **Project Preparation:** To protect the Chandrapara Pak Darbar Sharif and adjoining areas, Zikkar Mor, Charmanair Fazil Madrasa and Duair Darga Bazar and adjacent areas from severe erosion of right bank of the Arial Khan River, A Technical Commottee was formed November, 2017 by BWDB. As per the recommendation of the Technical Committee theDPP was furnished.
 - ◆ **Appraisal:** The appraisal meeting was held on 06-12-2017 at Planning Commission. Then, PEC meeting was held on 19-12-2017 at planning commission. As per desision of appraisal meeting the DPP was corrected and sent to the ECNEC for approval.
 - ◆ **Credit Negotiation:** Not Applicable.
 - ◆ **Credit Agreement:** Not Applicable.
 - ◆ **Credit Effectiveness:** Not Applicable.
 - ◆ **Loan Disbursement:** Not Applicable.
- 

- ◆ **Loan Conditionalities:** Not Applicable.
- ◆ **Project Approval:** The project was approved by ECNEC on 11/09/2018.
- ◆ **Others (if any):** Nil.

4. Analysis of the Post-Implementation situation and result of the project:

4.1 Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.

Yes.

4.2 Programme for use of created-facilities of the project

The stakeholders are directly taking advantages of the created facilities of the project.

4.3 O & M programme of the project.

After completion of the project major repair/ rehabilitation works will be accomplished from regular O&M budget of BWDB.

4.4 Impact of the project -

4.4.1 Direct

- ◆ Protection against river bank erosion by implementing river bank protective works thus savings of the livelihood of local people from flood.

- ◆ Protecting local school, haat-bazar, road, bridge, houses, cultivable and homestead land as well as Govt. and Private infrastructures from threatening river erosion situated along the river bank in the project area.

- ◆ Increasing the conveyance capacity of Arial Khan River by River Bed Dredging Works.

- ◆ Ensuring socio-economic development and sustainable environmental balance within the project area.

- ◆ Around 60 Acre Land is reclaimed by Dredging earth material from the 7.70 km dredging works. This reclaimed land will be used in future projects and asrayan projects of Governments. Around 1.87 crore BDT revenue was earned by the Government from auctioning the dredged materials beyond need.

4.4.2 Indirect

- Safety of human liveihood and properties.
- Improvement of socio-economic condition.

4.5 Transfer of Technology and Institutional Building through the project

Not Applicable.

4.6 Employment generation through the project.

A large number of skilled/unskilled workers were employed during construction period.

4.7 Possibility of Self employment

There are possibilities of self employment as existing commercial, industrial and business centres are protected from river bank erosion & the environmental degradation.

4.8 Possibility of women-employment opportunity

Yes, there is possibility of women-employment through the project benefited area enhanced.

4.9 Women's participation in development

Yes.

4.10 Probable Impact on Socio-Economic activity.

By protecting the river bank erosion, various infrastructures are saved from the erosion. As a result, socio-economic balance in the locality is enhanced.

4.11 Impact on environment Environmental enhancement is achieved through the implementation of the project.

4.12 Sustainability of the project

The project is sustainable but requires periodic maintenance.

4.13 Contribution to poverty alleviation/reduction

- 1) 5555-meter revetment works along the right and Left bank of the Arial Khan River are completed. After Completion of the project, 5555-meter bank erosion along the right bank of the Arial Khan River is under control.
- 2) Threat to the Chandrapara, Zikkar Mor, Charmanair and Duair Bazar and adjacent areas is minimised and also vast arable lands potential to agricultural production as well as valuable establishments in the area from the devastating erosion of the river Arial Khan River are protected.
- 3) 5555-meter protective works will resist the erosion of the Arial Khan River hence saving huge immovable public and private properties dispersed in the vicinity of the affected area from the river Arial Khan River. As a result,
 - a. Socio-economic condition of the area is improved and
 - b. Livelihood options during project implementation period is ensured.

So, it can be contributes to the reduction of poverty.

4.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.

Positive remarks regarding the project.

4.15 Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities.

Not Applicable

5. Problems encountered during Implementation (with duration & steps taken to remove those)

5.1 Project Management - N/A	5.7 Manpower - N/A
5.2 Project Director - N/A	5.8 law & Order - N/A
5.3 Land Acquisition - N/A	5.9 Natural calamity - N/A
5.4 Procurement - N/A	5.10 Project financing, allocation and Release - Affected during FY 2020-21.
5.5 Consultancy - N/A	5.11 Design formulation/approval - N/A
5.6 Contractor: Dolly Construction Ltd. failed to execute the work according to time bar ratio. In this reason as per decision from the ministry of water resources the contract of the 6 Nos packages were terminated and new Contractors were engaged by OTM procedure and the project was completed.	5.12 Project aid disbursement and re-imbursment - N/A
	5.13 Mission of the development partners - N/A
	5.14 Time & Cost Over-run – As mentioned in B-01.
	5.15 Project Supervision/Inspection - N/A
	5.16 Delay in Decision- N/A
	5.17 Transport- N/A
	5.18 Training - N/A
	5.19 Approval - N/A
	5.20 Others. - N/A

6. Remarks & Recommendations of the Project Director:

During the implementation of the project, a total of 5555-meter river bank protection works and 7700-meter river bed dredging work has been done. The 5555-meter permanent protective work will save livelihood of local people dwelling near the river bank line as well as embankment and historic infrastructures and cultural heritage. During the implementation of this project, members of different committees & monitoring authorities visited project site and gave their opinions which has helped in implementation of the project within project period. Project was implemented properly following respective design, drawing and specification. The quantity and quality of the physical works were ensured by Taskforce committee of BWDB and concerned officials of BWDB.

After successful implementation of this project, Chandrapara, Duair Darga Bazar, Zikkar Mor and Charmanair and adjacent areas have been protected from severe bank erosion of the Arial Khan River. 7.70 KM Dredging Work has increased the conveyance capacity of Arial Khan River. Around 60 Acre Land is reclaimed by dredging earth material from the 7.70 km dredging works. This reclaimed land will be used in future projects and asrayan projects of Governments.

Moreover, worldwide COVID-19 pandemic squeezed up eligible working time. Still with close monitoring and careful supervision, the project was completed. 60 Acres of land were reclaimed through well planned dredged earth management policy. It's a remarkable achievement which will be helpful in solving acute land scarcity problem of Bangladesh. Ministry of Water Resources has been awarded the prestigious **Bangabandhu Public Administration Award'2022** for playing significant role in land reclamation sector.

Recommendation: This project is performing well and good and as per expectation and can be declared as sustainable. Like any other development projects especially as a hydrological project of more numbers of uncertainties, it will require periodic maintenance of the physical structures which is also prescribed in the DPP. Every year through bathemetric survey has been conducted during monsoon after monsoon to investigate the bed level condition of dumping materials. Proper monitoring and regular maintenance of the implemented revetment works are required from non development revenue budget for the more sustainability of the project. Administrative steps should be taken on regular basis to address illegal extraction of sand from river bed of that river reach. Moreover, around 3.50 km revetment work and the offtake dredging of 6.00 km are needed at various locations of this Arial Khan River in future for more sustainability of the completed project.

Date: 25/09/2022

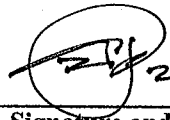
Signature and seal of the Project Director/Manager

(Partha Pratim Saha)
Executive Engineer
Faridpur O & M Division
BWDB, Faridpur.

7. Remarks/Comments of Agency Head

The project provides protection against severe river bank erosion from the Arial Khan River in the project area. Dredging of the Arial Khan River increased the conveyance capacity of the river thus, reducing flood risk and improving navigation. Another noteworthy achievement of this project is the reclamation of about 60 acres of land by using dredged material. This reclaimed land will be used in "Asrayan" projects of the Government. Overall, this project is serving its intended purpose.

Date:

 28/09/2022
Signature and Seal
(FAZLUR RASHID)
Director General
BWDB, Dhaka.

8. Remarks/Comments of the officer in- charge of the Ministry/Division

After implementation of the project Chandrapara, Duair Darga Bazar, Zikkar Mor and Charmanair and adjacent areas of Bhanga and Sadarpur Upzila of Faridpur District have been protected from severe bank erosion of the Arial Kha River. A total 5.555 km of river bank protection work has prevented the bank erosion and 7.700km of dredging work enhanced the conveyance capacity of Arial Kha River. Around 60 acre land has been reclaimed by dredging earth material. The land can be used for future government initiative like asrayan projects. The project is performing well and good as per expectation and can be declared as sustainable. Proper maintenance and monitoring should be ensured so that the outcome of the project sustains effectively.

Date:

Signature and Seal

