

BANGLADESH WATER DEVELOPMENT BOARD



PROJECT COMPLETION REPORT: IMED-04/2003 (Revised)

Name of the Project: RIVER BANK PROTECTION WORK AT ULANIA-GABINDAPUR AREA UNDER MEHENDIGONJ UPAZILA FROM EROSION OF THE MEGHNA RIVER IN BARISHAL DISTRICT (1ST REVISED)

PROJECT PERIOD: APRIL 2018 TO JUNE 2022.

DIVISION : BARISHAL O&M DIVISION, BWDB, BARISHAL.
CIRCLE : BARISHAL O&M CIRCLE, BWDB, BARISHAL.
ZONE : SOUTHERN ZONE, BWDB, BARISHAL.

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 : River Bank Protection Work at Ulania-Gabindapur Area under Mehendigonj Upazila from Erosion of the Meghna River in Barishal 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 : Upazila – Mehendiganj, District: Barishal.
05. Objectives of the Project :
- To protect the Ulania-Gabindapur area under Mehendigonj Upazila from erosion of the Meghna River in Barisal District.
 - To provide safety for human lives, properties and improve economic activities by construction of protective works at the vulnerable locations along the mighty Meghna River.
 - The approximate value of the properties to be saved is Tk. 311737.40 lakh.

06. Estimated Cost :

(In lakh Taka)

	Original	Latest Revised (1 st)
(a) Total	38638.80	38419.27
(b) Taka	38638.80	38419.27
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. Date of Approval : PCP PP
- (a) Original : 10/04/2018
- (b) Latest Revised (1st) : 09/01/2020
- (c) No Cost Time Extension : 07/06/2021
- (d) Inter-item Cost Adjustment : 27/03/2022



08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	April, 2018	June, 2020
(b) Latest Revised (1 st)	April, 2018	June, 2021
(c) No Cost Time Extension	April, 2018	June, 2022
(d) Actual	April, 2018	June, 2022

09. Financing Arrangement (Source-wise) :

9.1 Status of Loan/Grant

a) Foreign Financing :

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

N/A

b) GOB:

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
38419.27	-	38419.27	-

9.2 Utilization of Project Aid: (Source wise)

(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

N/A

9.3 Re-imbursible Project Aid (RPA):

(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

N/A



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
April/2018 to June/2020	April/2018 to June/2022	April/2018 to June/2022	88.89%	Due to Covid-19 outbreak & associated financial constraints.

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	38638.80	38419.27	37568.90	(-) 2.77%	-
TAKA	38638.80	38419.27	37568.90	(-) 2.77%	-
PA	-	-	-	-	-

03. Project Personnel:

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)	The project was executed by the existing manpower of the implementing agency (Barishal O&M Division, BWDB, Barishal).					
Staff(s)						
Total:						

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04. Training of Project Personnel (Foreign/Local):

Field of Training /Study tour/workshop/ Seminar etc.	Provision as per PP		Actual		Remarks
	Number of persons	Man - months	Number of persons	Man - months	
1	2	3	4	5	6
a. Foreign	13	0.27	-	-	According to the instruction of government order, exposure visit was canceled.
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	Financial	Physical	
1	2	3	4	5	6	7
a. Revenue Component						
Supplies and Services						
Domestic travel expenses	L.S	17.00	100%	17.00	100%	
Petrol, oil and lubricants	L.S	25.00	100%	25.00	100%	
Printing and binding	L.S	3.00	100%	2.98	99.33%	
Advertising expenses	L.S	3.00	100%	2.93	97.67%	
Stamps and seals	L.S	6.00	100%	6.00	100%	
Labour wages to non-employees	L.S	13.00	100%	12.99	99.92%	
Honorarium allowance	L.S	10.00	100%	7.33	73.30%	
Honorarium allowance (Mid term Evaluation)	L.S	10.00	100%	9.87	98.70%	
Survey	L.S	12.00	100%	11.99	99.92%	
General supplies	L.S	5.00	100%	4.99	99.80%	
Foreign travel expenses	L.S	100.00	100%	0.00	0.00%	According to the instruction of the Government, exposure visit was cancelled.
Motor vehicle (Maintenance)	L.S	6.00	100%	5.99	99.83%	
Non-residential buildings	L.S	212.64	100%	211.66	99.54%	
Sub Total (a) :		422.64	100%	318.73	75.41%	



Items of work (As per PP)	Unit	Target (as per PP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical	Financial	Physical	
1	2	3	4	5	6	7
b. Capital Component						
Acquisition of Assets						
Motor vehicle (Motor Cycle, 02(Two) Nos)	Nos	3.50	2	3.50	2	
Motor vehicle (Pick Up (2300CC), 01(One) No	Nos	56.00	1	0.00	-	
Engineering and other equipments (Total Station) 01(One) No	Nos	10.00	1	7.59	1	
Computers and accessories (Computer 1 No with scanner & Printer)	Nos	0.80	1	0.80	1	
Office equipment (Photocopier, 01(One) No)	Nos	1.50	1	1.49	1	
Sub Total (b1) :		71.80		13.38		
Construction Works						
River Bank Protection Work. Total Length=4.525 Km	Km	30843.31	4.525	30414.58	4.525	
End termination 2 Nos (0.298 km)	Km	1839.72	0.298	1769.84	0.298	
Strengthening of Protection-Work-Done Under CCTF = 0.875 km	Km	4836.45	0.875	4778.71	0.875	
River Dredging Work for Removal of Char 1.60 Km	Km	390.85	1.60 Km (185838.35 cum)	273.66	1.60 Km (125698.00 cum)	
O&M During Construction	L.S	10.00	1 Item	-	-	
Permanent Signboard 2 Nos	Nos	0.50	2	-	-	
Sub Total (b2) :		37920.83		37236.79		
Sub Total b (b1+b2) :		37992.63		37250.17		
c. Physical Contingency		2.00		-	-	
d. Price Contingency		2.00		-	-	
Total (a+b+c+d)		38419.27	100%	37568.90	97.79%	



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. Ataur Rahman Executive Engineer, Jhalokathi WD Division, BWDB, Jhalokathi Grade-5 (43000 to 69850).	-	Part time	No	19.09.2018	17.07.2019	
Md. Shafi Uddin Superintending Engineer, Barishal O&M Circle, BWDB, Barishal Grade-4 (50000 to 71200).	-	Part time	Yes	17.07.2019	02.09.2021	
Md. Sabibur Rahman Superintending Engineer, Barishal O&M Circle, BWDB, Barishal Grade-4 (50000 to 71200).	-	Part time	Yes	02.09.2021	30.06.2022	

07. Procurement of Transport (in Nos.) :

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
Pick-up	01	-	-	-	-	Couldn't be procured due to Govt. restrictions.
Motor Cycle	02	June 2019	-	Barishal O&M Division, BWDB, Barishal. 01/07/2022	-	Being used by Barishal O&M Division for future inspection & maintenance of the Project.



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 crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invita tion date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
River Bank Protection Work from Km 0.125 to Km 0.475 = 350.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019. (Package No. BSL/2017-18/ULA/WD-01)	DPP 22.7277 RDPP 23.8407 IICA 23.6949	Original 22.4873 Revised 23.6949	02/10/ 2018	10/01/2019	30/06/2021	30/06/2021
River Bank Protection Work from Km 0.475 to Km 0.825 = 350.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019. (Package No. BSL/2017-18/ULA/WD-02)	DPP 22.7227 RDPP 25.8017 IICA 25.7496	Original 22.5042 Revised 25.6996	02/10/ 2018	10/01/2019	20/06/2022	18/06/2022
River Bank Protection Work from Km 0.825 to Km 1.125 = 300.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019. (Package No. BSL/2017-18/ULA/WD-03)	DPP 19.4766 RDPP 20.4448 IICA 20.3233	Original 19.3009 Revised 20.3233	02/10/ 2018	10/01/2019	15/06/2022	15/06/2022
River Bank Protection Work from Km 2.00 to Km 2.350 = 350.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M	DPP 22.7227 RDPP 23.9549 IICA 23.9549	Original 22.5346 Revised 23.9549	02/10/ 2018	10/01/2019	30/06/2021	30/06/2021



Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/ Proposal Cost (In crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invita tion date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Division BWDB Barisal during the year 2018-2019. (Package No. BSL/2017-18/ULA/WD-04)						
River Bank Protection Work from Km 2.350 to Km 2.700 = 350.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019. (Package No. BSL/2017-18/ULA/WD-05)	DPP 22.7225 RDPP 23.7679 IICA 23.6622	Original 22.5156 Revised 23.6621	02/10/ 2018	10/01/2019	15/06/2022	15/06/2022
River Bank Protection Work from Km 2.700 to Km 3.00 = 300.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019. (Package No. BSL/2017-18/ULA/WD-06)	DPP 19.4766 RDPP 23.9999 IICA 22.1914	Original 19.3031 Revised 22.1220	02/10/ 2018	10/01/2019	20/06/2022	18/06/2022
Strengthening of Bank Protection Work from Km 1.125 to Km 1.425 = 300.00m from erosion of the Meghna River at Ulania Gobindapur area which done by CCTF in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019. (Package No. BSL/2017-18/ULA/WD-07)	DPP 16.3269 RDPP 16.8446 IICA 16.8446	Original 16.2328 Revised 16.8446	02/10/ 2018	10/01/2019	31/03/2022	31/03/2022
Strengthening of Bank Protection Work from Km 1.425 to Km 1.725 = 300.00m from erosion of the Meghna River at Ulania Gobindapur area which done by CCTF in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019. (Package No.	DPP 16.3269 RDPP 16.1041 IICA 16.1041	Original 15.4762 Revised 16.1041	02/10/ 2018	16/01/2019	15/06/2022	15/06/2022

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/ Proposal Cost (In crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invita tion date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
BSL/2017-18/ULA/WD-08)						
Strengthening of Bank Protection Work from Km 1.725 to Km 2000 = 275.00m from erosion of the Meghna River at Ulania Gobindapur area which done by CCTF in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019. (Package No. BSL/2017-18/ULA/WD-09)	DPP 14.9663 RDPP 15.4158 IICA 15.4158	Original 14.8705 Revised 15.4158	18/12/ 2018	19/02/2019	31/03/2022	31/03/2022
End Termination Work U/S 149.00m & D/S149.00m Total 298.00m for River Bank Protection Work from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2018-2019 & 2019-2020. (Package No. BSL/2017-18/ULA/WD-11)	DPP 18.4606 RDPP 18.3972 IICA 18.3972	18.3972	18/12/ 2018	19/02/2019	20/06/2022	20/06/2022
Permanent river bank protection works at Aligonj adjacent of Ulania Gobindapur area from erosion of the Meghna River from Km (-)3.800 to Km (-)3.400 = 400.00m under Barisal O&M Division BWDB Barisal during the year 2019-2020. (Package No. BSL/2018-19/ULA/WD-13)	DPP - RDPP 21.8680 IICA 21.8680	21.8680	29/08/ 2019	05/02/2020	25/06/2022	25/06/2022
Permanent river bank protection works at Aligonj adjacent of Ulania Gobindapur area from erosion of the Meghna River from Km (-)3.400 to Km (-)3.000 = 400.00m under Barisal O&M Division BWDB Barisal during the year 2019-2020.	DPP - RDPP 23.2357 IICA 23.2357	23.2357	29/08/ 2019	06/02/2020	25/06/2022	25/06/2022

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/ Proposal Cost (In crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invita tion date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
(Package No. BSL/2018-19/ULA/WD-14)						
Permanent river bank protection works at Aligonj adjacent of Ulania Gobindapur area from erosion of the Meghna River from Km (-)3.000 to Km (-)2.600 = 400.00m under Barisal O&M Division BWDB Barisal during the year 2019-2020. (Package No. BSL/2018-19/ULA/WD-15)	DPP - RDPP 23.3491 IICA 23.3491	23.3491	29/08/2019	03/02/2020	15/06/2022	15/06/2022
Permanent river bank protection works at Aligonj adjacent of Ulania Gobindapur area from erosion of the Meghna River from Km (-)2.600 to Km (-)2.200 = 400.00m under Barisal O&M Division BWDB Barisal during the year 2019-2020. (Package No. BSL/2018-19/ULA/WD-16)	DPP - RDPP 21.7583 IICA 21.8003	21.7583	29/08/2019	06/02/2020	25/06/2022	25/06/2022
River Bank Protection Work from Km -0.800 to Km -0.500 = 300.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2019-2020. (Package No. BSL/2018-19/ULA/WD-17)	DPP - RDPP 23.5278 IICA 23.5278	23.5278	29/08/2019	10/02/2020	25/06/2022	25/06/2022
River Bank Protection Work from Km -0.500 to Km -0.200 = 300.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2019-2020. (Package No. BSL/2018-19/ULA/WD-18)	DPP - RDPP 23.1333 IICA 23.1333	23.1333	29/08/2019	11/02/2020	15/06/2022	15/06/2022

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Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/ Proposal Cost (In crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invita tion date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
River Bank Protection Work from Km -0.200 to Km 0.125 = 325.00m from erosion of the Meghna River at Ulania Gobindapur area in mehendigonj Upazilla under Barisal District under Barisal O&M Division BWDB Barisal during the year 2019-2020. (Package No. BSL/2018-19/ULA/WD-19)	DPP - RDPP 24.7590 IICA 24.7590	24.7590	29/08/ 2019	10/02/2020	25/06/2022	25/06/2022
Dumping & placing of additional Geo-bag from Km (-) 2.20 to Km (-) 3.80 total 1.60 Km at Aligonj area & filling of ditch adjacent to site at Ulania area in connection with "River bank protection work at Ulania-Gabindapur area under Mehendigonj Upazila from erosion of the Meghna River in Barisal district (1st Revised)" under Barishal O&M Division, BWDB, Barishal during the year 2021-2022. (Package No. BSL/2018-2019/ULA/WD-13/A)	DPP - RDPP - IICA 7.1836	7.0842	07/10/ 2021	12/04/2022	30/06/2022	30/06/2022
Dredging in Meghna River from km 0.000 to km 1.600 Total 1.600 km at Aligonj area in connection with "River bank protection work at Ulania- Gabindapur area under Mehendigonj upazilla from erosion of the Meghna River in Barishal district (1st Revised)" under Barishal O&M Division, BWDB, Barishal during the year 2021- 2022. (Package No. BSL/2019-2020/ULA/WD-20)	DPP RDPP 9.5320 IICA 3.9085	3.7583	27/09/ 2021	19/01/2022	30/06/2022	30/06/2022

8.2 Use of Project Consultant (s) (Foreign/Local): No provision of deploying consultant in this project.

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

a) Foreign:

b) Local:

09. Construction/Erection/Installation Tools & Equipment:

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
Total Station	01	June 2022	Barishal O&M Division, BWDB, Barishal. 01/07/2022	-	-	Being used by Barishal O&M Division for future survey, inspection & maintenance of the Project.

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	2739.18	2739.18	-	7.09%	0.00	0.00	-	0.00%
2018-19	19037.66	19037.66	-	49.27%	1944.54	1944.54	-	5.06%
2019-20	16861.96	16861.96	-	43.64%	7080.21	7080.21	-	18.43%
2020-21	-	-	-	-	9442.46	9442.46	-	24.58%
2021-22	-	-	-	-	19952.06	19952.06	-	51.93%
Total	38638.80	38638.80	-	100%	38419.27	38419.27	-	100%



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
2017-18	0.00	0.00	-	0.00%	0.00	0.00	0.00	-	0.00%
2018-19	2000.00	2000.00	-	5.06%	1995.00	1944.54	1944.54	-	8.00%
2019-20	8401.00	8401.00	-	18.43%	7363.44	7080.21	7080.21	-	24.00%
2020-21	11950.00	11950.00	-	41.51%	9450.00	9442.46	9442.46	-	33.00%
2021-22	19450.00	19450.00	-	35.00%	19400.00	19101.69	19101.69	-	32.79%
Total	41801.00	41801.00	-	100.00%	38208.44	37568.90	37568.90	-	97.79%

* DURING FY 2020-21, FUNDS WEREN'T RELEASED AS ALLOCATED.

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
(a) To protect the Ulania-Gabindapur area under Mehendigonj Upazila from erosion of the Meghna River in Barisal District.	(a) Ulania-Gabindapur area under Mehendigonj Upazila has been protected by the implementation of the project.	No Shortfall
(b) To provide safety for human lives, properties and improve economic activities by construction of protective works at the vulnerable locations along the mighty Meghna River.	(b) Human lives and properties have been protected from erosion of Meghna River. Economic activities have been promoted at that area.	
(c) The approximate value of the properties to be saved is Tk. 311737.40 lakh.	(c) Properties have been saved by the protection of that area is around Tk. 311737.40 lakh.	



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).
Ensured safeguard from river bank erosion of following items:			
Kacha/Semi pucca/pucca house	Nos	2100	1980
Historically Famous Jamider Bari	No	1	1
Historically Famous Mosque with Eid gha	No	1	1
Agricultural Gurden	Nos	185	185
Agricultural Lands	Hac	2710	2625
Ponds/Fisheries	Nos	220	220
Poultry Farm	Nos	25	25
Mosque	Nos	14	14
Ice Factory	Nos	4	4
Box Culverts	Nos	23	23
Union Health Complex	No	1	1
Union Complex	Nos	2	2
Madrasha/High School	Nos	5	5
Govt Primary School	Nos	14	14
College	No	1	1
Village Markets	Nos	1250	1235
Post office	No	1	1
Cyclon Shelter	Nos	5	5
Launch ghat	Nos	2	2

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	1.97:1.00	Will be evaluated later by concern directorate of BWDB & IMED.
(ii) Economic	2.27:1.00	
(2) Internal Rate of Return		
(i) Financial	25.16%	
(ii) Economic	29.48%	

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03. Please give reasons for shortfall, if any, between the estimated and actual benefit: No Shortfall.

F. MONITORING AND AUDITING

0.1 Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(a) Ministry / Agency:			
Mr. Zaheed Faroque, MP Hon. Minister of State, MoWR	02/03/2019	No major problems identified	Suggested to include river bank protection work in vulnerable areas that not included in the original DPP.
Mahmudul Islam Additional Secretary, MoWR	23/10/2020	No major problems identified	Suggested to complete the project timely.
Mizanur Rahman Additional Secretary, MoWR	14/04/2022	No major problems identified	Suggested to increase monitoring.
Dr. Md. Mizanur Rahman ADG, Planning, BWDB	26/08/2021	No major problems identified	Additional work needs to be done at Aligonj according to Design
Zulfikur Ali Hawlader Chief Engineer Southern Zone, BWDB, Barishal	Several times	No major problems identified	Instructed to increase monitoring and follow approved designs for construction work
Md. Harun-Ar-Rashid Chief Engineer, Southern Zone, BWDB, Barisal.	Several times	No major problems identified	Approved design must be followed
Md. Nurul Islam Sarker Chief Engineer, Southern Zone, BWDB, Barisal.	Several times	No major problems identified	Instructed to increase monitoring and follow approved designs for construction work
Md. Aminul Islam Superintending Engineer, Design Circle-2, BWDB, Dhaka.	Several times	No major problems identified	Approved design must be followed
A K M Anisur Rahman Siddique Superintending Engineer, Quality Control and Assurance Cell (West Region), BWDB, Dhaka.	29/12/2021	No major problems identified	Instructed to increase monitoring and suggested to follow approved design.
(b) IMED:			
Md. Afzal Hossain Director General, IMED	23/10/2020	No major problems identified	Suggested to complete the project timely.
Upama Akter Deputy Director, IMED	01/02/2020	No major problems identified	Suggested to increase monitoring and complete the project timely.
Upama Akter Deputy Director, IMED	05/03/2021	No major problems identified	Suggested to increase monitoring, replacing damaged signboard with the new signboard and recommended for 1 year time extension of the project.

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Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(c) Others			
Md. Zakir Hossen Akand Member (Secretary), Planning Commission	02/12/2019	No major problems identified	Suggested to include river bank protection work at Aligonj area in the 1 st revised DPP.

0.2. Auditing during and after Implementation:

2.1. Internal Audit: No internal audit conducted.

Period of Audit	Date of submission of Audit Report	Major findings/ objections	Whether objections Resolved or not.
1	2	3	4
-	-	-	-

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	09-02-2021	Contractors did not perform insurance on various risk. That's why govt losses money as VAT.	Reply has been submitted through competent authority and resolution of the objection is on process.
		Supplying and manufacturing bill of CC Block was given to the contractor without taskforce report.	
		Supplying, filling and dumping bill of geo-bag was given to the contractor without test report and taskforce report.	
2020-21	07-10-2021	Contractors did not perform insurance on various risk. That's why govt losses money as VAT.	Reply has been submitted through competent authority and resolution of the objection is on process.
Supplying and manufacturing bill of CC Block was given to the contractor without taskforce report.			
Without the permission of Finance ministry, honarium of Mid-term evaluation was given to the committee members.			
2021-22	Yet to be conducted.		



G. DESCRIPTIVE REPORT

General Observations/Remarks of the Project on:

1.1 Background

Barishal district is located at the mouth of three world ranking rivers, the Ganges, the Brahmaputra and the Meghna, the combined flow ranking the 3rd highest in the world and having sediment load in the 1st rank. The mighty Meghna River is one of the largest rivers in Bangladesh. Huge amount of flow is discharged through the river from Meghalaya and Asam to Bay of Bengal. Ulania and Gobindapur union of Mehendigonj upazilla is situated at right bank of Meghna River. River bank erosion at Ulania and Gobindapur union was severe from 2010 to 2018. Many structures like school, madrasah, mosque, road, market, homestead, garden, paddy land etc. was engulfed into the river due to erosion. Historical Ulania jaminder houses, mosque, eadgah, school, college, madrasah, union parisad complex, health complex, post office, cyclone shelter, launch ghat, road, bridge, houses, garden, paddy land etc. was in threat due to river erosion.

0.875 km river bank protection work was implemented by Climate Change Trust Fund in 2013-14 fiscal year to protect Ulania jaminder houses and adjacent area from erosion of Meghna River. For this reason, river erosion was significantly reduced in that area. But severe river erosion was continued beyond up-stream and down-stream side of the completed bank protection work. Due to severe river erosion, a part of up-stream and down-stream side of bank protection work was damaged and engulfed into the river.

Honorable member of parliament Mr. Pangkaj Nath, 122 Barishal-4, upazilla chairman, union parishadh chairman and others respected person requested to take necessary action to protect Ulania and Gabindapur area. After that a technical committee was formed by BWDB to prepare a technical report. Committee submitted a technical report on February '2016. According to the recommendation of the report, DPP was formed and approved by ECNEC on 10/04/2018.

1.2 Justification/Adequacy:

The described area was an area affected by the Meghna River. Up to 2005, the incidence of river erosion was low and from 2007, the incidence of river erosion was gradually increasing. Over the past few years, the river erosion had intensified and the river had entered about 4.00 km from its former location and most of the old Gobindpur Union had been lost to Meghna. New Char rising on the left bank of Meghna now belongs to Gobindpur Union. At that time, the set back distance was gradually decreasing due to the continued erosion of the river, the traditional Ulania jamindar houses, shops, houses, business establishments, primary schools, secondary schools, cooperative banks, health centers, agricultural lands with gardens, ice mills, and other establishments including government-owned properties was located in the mentioned area. The described property was likely to disappear in the near future. It was not possible



to determine the value of the traditional Ulania jamindar houses considering their historical importance. To protect these structures at Ulania and Gabindapur union, this project was taken and implented.

1.3. Objectives:

The main objectives of this project are-

- To protect Ulania-Gabindapur area under Mehendigonj upazila from erosion of the Meghna River in Barisal District.
- To provide safety for human lives, properties and improve economic activities by construction of protective works at the vulnerable locations along the mighty Meghna River.
- The approximate value of the properties to be saved is Tk. 311737.40 lakh.

1.4. Project revision with reasons:

In the original DPP of the project, Tk 12984.40 lakhs against 2000 m river bank protection works, Tk 1846.06 lakhs against 2 end termination works, Tk 4762.04 lakhs against strengthening of river bank protection works (previously executed under CCTF) and Tk 18540.00 lakhs (1,15,87,500.00 cubic meters) against river dredging work was allocated.

At that time, severe river erosion occurred along a length of 2525 m at upstream of that area in Aliganj area adjacent to the project. The erosion of the last few years had intensified and the river had entered several hundred meters towards countryside. The set back distance from houses, business establishments, primary schools, secondary schools, mosques, gardens and other structures including government-owned property and other structures located in the mentioned area was gradually decreasing as the river erosion continued. On that ground, it was required to add 2.525 km bank protection work in the 1st revised DPP. These areas were 0.925 km in upstream (from km - 0.800 to km 0.125) from existing river bank protection work (from km 0.125 to km 3.000) and 1.600 km in Aliganj area. According to the instruction of design, 100 m permanent protection work on both sides of canal and stock pile (blocks) were included in the 1st revised DPP.

On the other hand, due to morphological change, it was observed that dredging of Meghna River at the opposite of Ulania Bazar area could not be effective. But on the opposite bank of the Aliganj area, dredging work was needed. In that situation, instead of the approved 4.500 km dredging work at Ulania area, 1.60 km dredging work could be implemented on the opposite bank of Aliganj area. The savings from river dredging work item, could be used for the riverbank protection work in erosion prone area.

On 02/03/2019 Mr. Zaheed Farooque MP (Hon. Minister of State, Ministry of Water Resources) visited important places, erosion prone area in Ulania, Gobindpur and Aliganj area. During the visit,



detailed discussion and observation were made regarding the cause of erosion, the rate of erosion in the past days. He also gave directions for taking measures in vernarable areas that not included in the ongoing project.

A technical committee was formed vide Bangladesh Water Development Board's Memo No. BWDB(Sachi)/Par-1/Miscellaneous-3/2019(1st Vol.)/85; dated 21-04-2019 to form revise DPP. The Committee's report was submitted to the Board in June 2019. In view of the reality and the recommendations of the report, the DPP was revised by extending the implementation period from June 2020 to June 2021 by one year, including inclusion of new protection works in the DPP.

As per memo No. BWDB(Sachi)/Plan/Capra—2019/57 Dated 26/09/2019AD the technical report was asked to review. Accordingly, the report of the Technical Committee was reviewed and the dredging work cost of Tk 953.22 lakh was proposed. On 04-08-2019, a review meeting was held at the Ministry of Water Resources on the revised proposal of the project. The meeting discussed the details of the revision of the project and some decisions were taken. The RDPP was revised according to the decision of the review meeting.

It could be mentioned here that the maximum depth of water at Aliganj area was observed 12.00 m in May'2019 and according to this approved design was obtained from concerned design office. Following approved design estimate was prepared, tender was called and work was ongoing. At the monsoon period of 2020, velocity and discharge increased in Meghna branch river at Aliganj area. That's why depth of water also increased. Maximum depth of water at Aliganj area was observed 23.10 m in November'2019. For this reason, the design of river bank protection work at Aliganj area was revised by concern design office. In revised design dumping volume of geo-bag was increased. Besides this dredging was implemented in Meghna branch river by BIWTA to increase navigation facilities. But BIWTA did not follow the approved design of BWDB. That's why the volume of dredging was decreased. 2nd meeting of steering committee of the project was held on 25-05-2021. In the meeting, it was decided that "Additional Director General (Planning), BWDB will visit the site and submit report to the Senior Secretary, Ministry of Water Resources and Inter Item Cost Adjustment DPP will submit to the Ministry of Water Resources as early as possible". After that, Additional Director General (Planning), BWDB visited the project area and recommended to implement additional geo-bag dumping work. He also recommended that dredging should be done with the recommendation of concern design office considering updated morphological condition of that area. According to the decision of 2nd meeting of steering committee, recommendation of Additional Director General (Planning), BWDB and concern design office, Inter Item Cost Adjustment DPP was formed. This was approved by the Ministry of Water Resources on 27-03-2022.



2. Rationale of the project in respect of Concept, Design, Location and Timing:

It comes out from the study that revetment type of protection measure with provision for post construction monitoring may be taken up. An adaptive approach of bank protection could be followed in this regard. It involves the identification of priority bank protection and its implementation. The need for the subsequent work would be determined based on the river responses to the already constructed work. The study covers prediction of consequences of such partial measures that could be further fine-tuned by inclusion of updated filed data.

Detailed Cost-Estimate for physical interventions of the project for implementation of 4.525 km bank protection work, 0.875 km strengthening work and end termination work as recommended by the Technical Committee Report and included under this approved Development Project Proposal (DPP) has been prepared on the basis of approved design and later on reviewed during implementation of physical work on the basis of latest river morphology and current Schedule of Rates of Barishal O&M Circle, BWDB, Barishal.

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

◆ Project Identification:

The Project was initially identified by local politicians, local elites, Public Representatives, Honorable Local Member of Parliament, Local Administrative etc. Those Stakeholders earnestly requested the Honorable Member of Parliament to address the problem of river erosion from river Meghna. Accordingly Honorable Member of Parliament sent DO letter to Honorable Minister, Ministry of Water Resources to take up the project.

◆ Project Preparation:

According to the instruction of Honorable Minister, Ministry of Water Resources & the Secretary, Ministry of Water Resources & the Director General, BWDB, the project was prepared. A Technical Committee was formed vide memo no: BWDB(Secret)/Plan-1/Mis-3/2002(9th part)/126, dated:06-10-2015 by BWDB to submit a Technical Report in respect of social, economical & environmental impact, safety of properties & infrastructure and also sustainability in the project area. Technical committee submitted a report and based on that report the project was prepared.



♦ **Appraisal:**

As per decision of PEC meeting the DPP was reformed & sent to the ECNEC for approval of the above project and finally the project was approved by the ECNEC on 10/04/2018.

Administrative approval was obtained on 25/06/2018.

♦ **Credit Negotiation:** Not Applicable.

♦ **Credit Agreement:** Not Applicable.

♦ **Credit Effectiveness:** Not Applicable.

♦ **Loan Disbursement:** Not Applicable.

♦ **Loan Conditionality:** Not Applicable.

♦ **Project Approval:**

The Project was approved by ECNEC on 10/04/2018, 1st Revised DPP was approved by Ministry of Water Resources on 09/01/2020 and Inter item cost adjustment DPP was approved by Ministry of Water Resources on 27/03/2022.

♦ **Others (if any):** Nill.

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 stack holders 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.

a. Protection of Ulania-Gabindapur area under Mehendigonj Upazila from erosion of the Meghna River in Barisal District.



- b. Providing safety for human lives, properties and improve economic activities by construction of protective works at the vulnerable locations along the mighty Meghna River.
- c. Properties have been saved by the protection of that area is around Tk. 311737.40 lakh.

4.4.2. Indirect

- a. Safety of human livelihood and properties.
- b. 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 centre are protected from river bank erosion and the environmental degradation.

4.8 Possibility of women-employment opportunity

Yes, there are possibilities 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 sustained but requires periodic maintenance.

4.13 Contribution to poverty alleviation/reduction

The project has direct contribution and impact on poverty alleviation/reduction.



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

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

- | | | |
|---|----------|---|
| 5.1 Project Management | : | N/A. |
| 5.2 Project Director | : | N/A. |
| 5.3 Land Acquisition | : | N/A. |
| 5.4 Procurement | : | N/A. |
| 5.5 Consultancy | : | N/A. |
| 5.6 Contractor | : | N/A. |
| 5.7 Manpower | : | N/A. |
| 5.8 Law & Order | : | N/A. |
| 5.9 Natural calamity | : | Cyclone like Fani, Bulbul and Yaas had created some problem at working site. |
| 5.10 Project financing, allocation and release | : | N/A. |
| 5.11 Design formulation/approval | : | Change in design due to increasing depth of river during implementation period. |
| 5.12 Project aid disbursement and re-imbursement | : | N/A. |
| 5.13 Mission of the development partners. | : | N/A. |
| 5.14 Time & Cost Over-run | : | Implementation period was extended due to the effect of Covid-19 pandemic. |



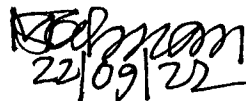
- 5.15 Project Supervision/Inspection : N/A.
5.16 Delay in Decision : N/A.
5.17 Transport : N/A.
5.18 Training : N/A.
5.19 Approval : Some packages had to be tendered after RDPP approved.
5.20 Others : N/A.

6. Remarks & Recommendations of the Project Director:

Mehendigonj upazilla is situated at right bank of Meghna River. River bank erosion at Ulania and Gobindapur union was severe from 2010 to 2018. Many public and private properties was engulfed into the river due to erosion. Historical Ulania jaminder houses, mosque, eidgah, school, college, madrasah, union parisad complex, health complex, post office, cyclone shelter, launch ghat, road, bridge, houses, garden, paddy land etc. were in threat due to river erosion. In that context, BWDB took this project. The project has been implemented in compliance with approved design & specifications. Close monitoring and quality control has been ensured by BWDB's concern field officer (Sub-Divisional Engineer, Executive Engineer, Superintending Engineer/ Project Director & Chief Engineer) and Taskforce member. Along with BWDB field officer, high official from BWDB headquarter, Ministry of Water Resources, Planning Commission & IMED visited the project area. Moreover, Honorable State Minister, Ministry of Water Resources and Local Honorable Member of Parliament visited the project time to time. Important opinion from high officials were incorporated to complete the project successfully.

River erosion at project area has been stopped after implementation of the project. Now the project is providing safety for human lives, valuable properties and improving economic activities. People in the project area got rid of severe river erosion. Target of the project has been achieved and the goal is obtained. A minimum yearly maintenance budget is required for the sustainability of the project. In addition, it could be mention that, 1.70 Km area at upstream side of completed river bank protection work at Ulania is newly affected by river erosion. Local Honorable Member of Parliament asked BWDB to take necessary action to prevent the river erosion of that area. It is required to formulate another project for this purpose.

Date: 22.09.22


22/09/22

Signature and seal of the Project Director

(Md. Sabibur Rahman)
Superintending Engineer
Barishal O & M Circle
BWDB, Barishal.

7. Remarks/Comments of Agency Head

This project provided a safeguard against the severe river bank of the Meghna River at Mehediganj Upazila in the Meghna district. After the implementation of the project, enormous public & private establishments, as well as agricultural land worth approximately 31,174 million taka have been protected from the erosion of the mighty Meghna River. The stakeholders are enjoying the benefits of the projects and economic activities in the project area are expected to increase. Overall, this project serves 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

The main objective of the project is to protect the Ulania Gabindapur area under Mehendigonj Upazila from erosion of the Meghna River in Barishal District. Human lives and properties have been protected by executing of 4.525 km of river bank protection work, two end termination works and river dredging work. Properties worth Tk. 311737.40 lakh has been saved by the protective work of that area. Due to morphological change of the river, dredging of 4.500 km was rescheduled to 1.600 km and the savings from dredging work was utilized for the riverbank protection work. Proper maintenance and monitoring should be ensured so that the outcome of the project sustains effectively.

Date:

Signature and Seal