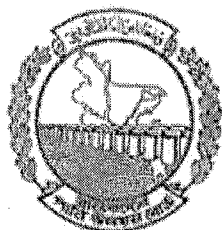


BANGLADESH WATER DEVELOPMENT BOARD



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

Name of the Project: Protection of different infrastructures from the right bank erosion of Jamuna River at Gaibandha Sadar & Fulchari Upazila including Ganakabor in Gaibandha District (1st Revised).

PROJECT PERIOD: JULY 2017 TO JUNE 2022

DIVISION : GAIBANDHA O&M DIVISION, BWDB, GAIBANDHA.
CIRCLE : RANGPUR O&M CIRCLE-1, BWDB, RANGPUR.
ZONE : NORTHERN ZONE, BWDB, RANGPUR.

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

PROJECT COMPLETION REPORT: IMED 04/2003 (REVISED)

A. PROJECT DESCRIPTION:

- 01. Name of Project** : Protection of different infrastructures from the right bank erosion of Jamuna River at Gaibandha Sadar & Fulchari Upazila including Ganakabor in Gaibandha 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-Gaibandha Sadar & Fulchari, District-Gaibandha.
- 05. Objective of the Project** :
- To protect 400 hac. area of agricultural land and valuable immovable properties from devastating right bank erosion of mighty river Jamuna by bank revetment work at Baguria of length 430 m., at Balashighat of length 1376.40 m., at Ratanpur-Singria-Katlamari of length 2352.82 m., at Mass Graveyard (Gonakabor) of length 700 m. and at Ganakabor X-Bar of length 1000 m. ; Total=5.859 Km.
 - 22.510 Km. Embankment Re-Sectioning work at Gaibandha District.
 - To save the historical "Mass Graveyard (Ganakabor)" of Shahid Freedom Fighter in 1971 from the erosion of the river Jamuna.
 - 300 Ha area of Land will be reclaimed and Socio-Economic development will be increased at Project area.

06. Estimated Cost:

(In Lakh Taka)

	Original	Latest Revised (1st)
a) Total	29936.37	31496.80
b) Taka	29936.37	31496.80
c) Foreign Currency	-	-
d) Project Aid	-	-
e) RPA	-	-

07. Date of Approval :

PCP	PP
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- a) Original : 07-02-2017
- b) Latest Revised (1st) : 04-11-2021

08. Implementation period :

	Date of Commencement	Date of Completion
a) Original	July, 2017	June, 2021
b) Latest Revised (1st)	July, 2017	June, 2022
c) Actual	July, 2017	June, 2022

09. Financial Agreement (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 Effectiveness	Date of Closing	
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
31496.80	-	31496.80	-

9.2 Utilization of Project Aid: (Source wise)

(In Million)

	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 Reimbursable Project Aid (RPA)

(In Lakh Taka)

RPA Amount		Amount Spent	Amount claimed	Amount Reimbursed	Remarks:
As Per DPP	As per Agreement				
1	2	3	4	5	6

..... N/A

B. IMPLEMENTATION POSITION**01. Implementation Period:**

Implementation Period as per DPP		Actual Implementation Period	Time Over Run (% of Original Implementation Period)	Remarks
Original	Latest Revised			
1	2	3	4	5
July/2017 to June/2021	July/2017 to June/2022	July/2017 to June/2022	25%	Due to severe flood in 2019 & 2020 and outbreak of World Pandemic Covid-19, the project implementation 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	29936.37	31496.80	26734.59	(-) 10.70%	Didn't over-run.
Taka	29936.37	31496.80	26734.59	(-) 10.70%	
PA	-	-	-	-	

03. Project Personnel: Project work has been completed by the existing manpower of Gaibandha O&M Division, BWDB, Gaibandha.

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	Male	Female
1	2	3	4	5	6	7
Officer(s)						
Staff(s)						
Total						

Nil

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

Field of Training /Study tour/work shop/ Seminar etc.	Provision as per PP		Actual		Remarks.
	Number of Person	Man- months	Number of Person	Man months	
1	2	3	4	5	6

a) Foreign Nil

b) Local Nil

05. Component wise Progress (As per Latest approved DPP):

(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
(A) Revenue Component:						
Supplies and Services:						
Petrol, Oil & Lubricant	Item	10.00	1 item	9.90	1 item	
Printing & Publication	Item	6.00	1 item	4.23	1 item	
Stationery, Seals and Stamps	Item	6.00	1 item	5.99	1 item	
Honorarium/Fees/Remuneration (for Different Committee).	Item	8.00	1 item	7.88	1 item	
Honorarium/Fees/Remuneration (for Mid Term Evaluation)	Item	10.00	1 item	8.97	1 item	
Survey & Investigation	Item	12.00	1 item	9.73	1 item	
Repair, maintenance & rehabilitation						
Repair of Motor Vehicles	Item	7.00	1 item	6.99	1 item	
Office Building	Item	5.00	1 item	4.98	1 item	
Other Buildings & structures: Inspection Bungalow, Boundary wall.	Item	9.00	1 item	8.97	1 item	
Sub-total Revenue Component (A):		73.00		67.64		
(B) Capital Component:						

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
Motor vehicles: Procurement of 4 Wheel Drive Jeep, 5 Door-1 no.	Nos	55.48	1 Nos	55.23	1 Nos	
Motor Cycle (125 CC) (2 Nos)	Nos	3.96	2 Nos	3.96	2 Nos	
Camera and Accessories: Digital Camera -1 nos.	Nos	0.49	1 Nos	0.49	1 Nos	
Engineering Equipment: Leveling Instrument -2 sets.	Set	2.00	2 Set	2.00	2 Set	
Total Station with accessories -1 set.	Set	10.00	1 Set	0.00	1 Set	
Computer with accessories.	Set	4.00	4 Set	4.00	4 Set	
Office Equipment: Multimedia Projector	Set	1.50	1 Set	1.50	1 Set	
Photocopier Machine -2 nos.	Nos	3.00	2 Nos	3.00	2 Nos	
Furniture and fixtures.	Item	1.98	1 Item	1.98	1 Item	
Construction of works:						
Bank Revetment Works (5.859Km.)	km	25184.69	5.859 Km.	21394.18	5.859 Km.	
Re-habilitation of Embankment (22.510 Km.)	km	3750.98	22.51 Km.	3091.84	22.51 Km.	
River Dredging/ Excavation works (6.320 Km.)	Km./ Cum.	2305.72	6.320 km/ 1468613. cum	2108.77	6.320 km/ 1466432 cum	
Sub-total Capital Component (B) :		31323.80		26666.95		
Total (A+B) :		31396.80	100.00%	26734.59	94.86%	
(C) Price Contingency		50.00		0.00		
(D) Physical Contingency		50.00		0.00		
Total (A+B+C+D) :		31496.80	100.00%	26734.59	94.86%	

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
Aziz Muhammad Chowdhury Addl. Chief Engineer, Northern Zone, BWDB, Rangpur. 56500-74400 (Grade-3)	Full	-	No	22/10/2017	12/11/2018	
Mir Mosharraf Hossain Addl. Chief Engineer, Northern Zone, BWDB, Rangpur. 56500-74400 (Grade-3)	Full	-	Yes	13/11/2018	24/04/2019	
Jyoti Proshad Ghos Addl. Chief Engineer, Northern Zone, BWDB, Rangpur. 56500-74400 (Grade-3)	Full	-	Yes	25/04/2019	28/12/2019	
Md. Mokhlaur Rahman Executive Engineer, Gaibandha O&M Division, BWDB, Gaibandha 43000 -- 69850 (Grade-5)	Full	-	No	29/12/2019	11/02/2020	
Jyoti Proshad Ghos Chief Engineer, Northern Zone, BWDB, Rangpur. 66000- 76490 (Grade-2)	Full	-	Yes	12/02/2020	31/01/2022	

Name & Designation with pay scale.	Full time	Part time	Responsible for more than one Project	Date of		Remarks.
				Joining	Transfer	
Muhammad Amirul Haq Bhuiya Chief Engineer, Northern Zone, BWDB, Rangpur. 66000- 76490 (Grade-2)	Full	-	Yes	01/02/2022	Till date	

07. Procurement of Transport (in nos.):

Type of Transport	Number as per DPP	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
Motor vehicles: Jeep, 5 Door	1 Nos	09/09/2019	-	Gaibandha O&M Division, BWDB, Gaibandha 01/07/2022	-	Being used by Executive Engineer for future inspection and maintenance of the project.
Motor Cycle	2 no	14/06/2018	-	Gaibandha O&M Division, BWDB, Gaibandha 01/07/2022	-	Being used by two Sub-Assistant Engineers for future inspection and maintenance of the project.

08. Procurement of Goods, Works and Consultancy Service.

08.1. Goods & Works of the Project costing above Tk. 200.00 lakh and Consultancy above Tk. 100.00 lakh.

Description of procurement (goods/work/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 DPP	Contract value	Invitation date	Contract signing/LC opening date	As per contract	Actual
1	2	3	4	5	6	7
DPM/Gonokabor-01: River bank protection work at Baguria of BRE Km. 63.370 to BRE Km. 63.800=430 m., at Balashighat of BRE Km. 65.526 to BRE Km. 66.826=1300 m. with D/S end termination of length 76.40 m., at Ratanpur-Shingria-Katlamri of BRE Km. 73.240 to BRE Km. 75.440=2200 m. with U/S end termination of length 152.82 m. and at Ganakabor of BRE Dowel Km. 4.020 to BRE Dowel Km. 4.720=700 m. of Total length=4859.22 m.; Embankment Re-sectioning work from BRE Km. 66.630 to BRE Km. 68.430=1800 m., from BRE Km. 70.300 to BRE Km. 73.240=2940 m. and in between BRE Km. 74.880 to BRE Km. 78.840=3760 m. of Total length=8500 m., river dredging work from Dowel Km. 4.600 to Dowel Km. 6.500=1900 m. and from BRE Km. 83.000 to BRE Km. 87.420=4420 m. of Total length=6320 m. in connection with the project "Protection of different infrastructures from the right bank erosion of Jamuna River at Gaibandha sadar and Fulchari Upazila including Ganakabor in Gaibandha District (1 st	Original 296.82 1 st revised 253.26	Original 295.50 1 st revised 249.91	12-02-2018	30-05-2018	02-06-2020	30-06-2022

Description of procurement (goods/work/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 DPP	Contract value	Invitation date	Contract signing/LC opening date	As per contract	Actual
Revised)" under Gaibandha O&M Division, BWDB, Gaibandha during the year 2017-2018 to 2021-2022.						
BRE-01: Resectioning of Embankment from BRE Km. 57.500 to BRE Km. 62.200= 4.700 Km. at Council Bazar in connection with the project "Protection of different infrastructures from the right bank erosion of Jamuna River at Gaibandha Sadar & Fulchari Upazilla including Ganakabor in Gaibandha district (1st Revised)" under Gaibandha O&M Division, BWDB, Gaibandha during the FY 2021-2022.	Original - 1 st revised 8.38	7.36	13-12-2021	13-02-2022	30-06-2022	30-06-2022
BRE-03: River bank protection work along both side from Km. 0.000 to Km. 0.500 = 1000.00 m. to construct Ganakabor crossbar at BRE dowel km. 3.580 in connection with the project "Protection of different infrastructures from the right bank erosion of Jamuna River at Gaibandha Sadar & Fulchari Upazila including Ganakabor in Gaibandha District (1st Revised)" under Gaibandha O&M Division, BWDB, Gaibandha during the FY 2021-2022.	Original - 1 st revised 39.61	35.29	14-12-2021	13-02-2022	30-06-2022	30-06-2022
Sonail-01: Re-Sectioning for Sonail Embankment from Km. 0.00 to Km. 4.150 = 4.150 km in Upazila: Gaibandha Sadar, Dist: Gaibandha under in connection with the project "Protection of different infrastructures from the right bank erosion of Jamuna River at Gaibandha Sadar & Fulchari upazila including Ganakabor in Gaibandha District (1st Revised)" Gaibandha O&M Division, BWDB, Gaibandha during the year 2021-22.	Original - 1 st revised 5.62	3.20	13-12-2021	09-02-2022	30-06-2022	30-06-2022
Komornoy-01: Re-Sectioning of Komornoy Embankment from Km. 1.000 to Km. 5.000 = 4.000 km Upazila: Gaibandha Sadar, Dist: Gaibandha in connection with the project "Protection of different infrastructures from the right bank erosion of Jamuna River at Gaibandha Sadar & Fulchari Upazila including Ganakabor in Gaibandha District (1st Revised)" under Gaibandha O&M Division, BWDB, Gaibandha during the year 2021-2022.	Original - 1 st revised 4.50	4.05	13-12-2021	09-02-2022	30-06-2022	30-06-2022

08.2. 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 utilized	Remarks
	As per PP	As per contract.		
1	2	3	4	5

a) Foreign Nil

b) Local Nil

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09. Construction / Erection / Installation Tools & Equipment:

Description of items	Quantity (As per DPP)	Quantity procured with date	Transferred to O&M with date	Deposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
Digital Camera	1 Nos	1 Nos 22/06/2018	Gaibandha O&M Division 01/07/2022	-	1 Nos	Used for official purpose by O&M Division, Gaibandha.
Leveling Instrument	2 Nos.	2 Nos 23/06/2018	Gaibandha O&M Division 01/07/2022	-	2 Nos.	
Computer with accessories	4 Set	4 sets 22/06/2018	Gaibandha O&M Division 01/07/2022	-	4 Set	
Photocopier Machine	2 Nos	2 Nos 23/06/2018	Gaibandha O&M Division 01/07/2022	-	2 Nos	
Multimedia Projector	1 Set	1 Set 24/06/2018	Gaibandha O&M Division 01/07/2022	-	1 Set	

C. FINANCIAL AND PHYSICAL PROGRAMME:**01. (a) Original and revised schedule as per DPP.**

(In Lakh Taka)

Financial year	Financial Provision & Physical target as per original DPP				Financial Provision & Physical target as per latest revised DPP			
	Total	Taka	PA	Physical %	Total	Taka	PA.	Physical %
1	2	3	4	5	6	7	8	9
2017-18	2039.21	2039.21	-	6.82%	149.40	149.40	-	0.47 %
2018-19	8577.77	8577.77	-	28.65%	1781.71	1781.71	-	5.66 %
2019-20	9316.53	9316.53	-	31.12%	4486.14	4486.14	-	14.24 %
2020-21	10002.86	10002.86	-	33.41%	6922.47	6922.47	-	21.98%
2021-22	-	-	-	-	18157.08	18157.08	-	57.65%
Total	29936.37	29936.37	-	100.00%	31496.80	31496.80	-	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
2017-18	160.00	160.00	-	0.47%	160.00	149.40	149.40	-	0.50%
2018-19	2375.00	2375.00	-	5.66%	2375.00	1781.73	1781.73	-	8.45%
2019-20	8319.00	8319.00	-	32.96%	4506.50	4486.14	4486.14	-	32.83%
2020-21	6950.00	6950.00	-	14.24%	6950.00	6922.49	6922.49	-	12.31%
2021-22	14700.00	14700.00	-	46.67%	14699.73	13394.83	13394.83	-	40.77%
Total	32504.00	32504.00	-	100.00%	28661.23	26734.59	26734.59	-	94.86%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(a) To protect 400 hac. area of agricultural land and valuable immovable properties from devastating right bank erosion of mighty river Jamuna by bank revetment work at Baguria of length 430 m., at Balashighat of length 1376.40 m., at Ratanpur-Singr-Katlamari of length 2352.82 m., at Mass Graveyard (Gonakabor) of length 700 m. and at Ganakabor X-Bar of length 1000 m.; Total=5.859 Km.	Approximately 400 hac. area of agricultural land and valuable immovable properties at Baguria, Balashighat, Ratanpur-Singr-Katlamari and Mass Graveyard (Gonakabor) area of Gaibandha Sadar & Fulchari Upazila has been protected from devastating right bank erosion of mighty river Jamuna by implementing 5.859 Km. River bank protective work.	No shortfall
(b) 22.510 km Embankment Re-Sectioning at Gaibandha District.	Embankment Re-Sectioning has been completed and it will protect the project area of Gaibandha District from Monsoons Flood.	
(c) To save the historical "Mass Graveyard (Gonakabor)" of Shahid Freedom Fighter in 1971 from the erosion of the river Jamuna.	Protective work has ensured the stability of River near the historical "Mass Graveyard (Gonakabor)" of Freedom Fighters in the year 1971.	
(d) 300 hac area of Land will be reclaimed and Socio-Economic development will be increased at Project area.	Land reclamation has started and social development and economical activities is visible in Project area.	

E. BENEFIT ANALYSIS:

01. Annual Out-put:

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-puts during the 1 st year of operation at full capacity (or during real production for newly completed project)
1	2	3	4
Ensured safeguard of following items/establishments from flood & river bank erosion:			
Existing Brahmaputra Flood Control Embankment	Km.	10	10
Residential Household with Government Non-Government Office building	Nos	110	110
Village People & Residential Households	Nos	2400	2360
College	Nos	6	6
High School	Nos	15	15
Government Primary School	Nos	60	60
Kinder Garten/Primary School	Nos	60	60
Hat-Bazar, Shop etc.	Nos	8	8
Fisheries/Poultry/agro farm	Nos	30	30
Telephone Exchange/Mobile Tower	Nos	4	4
Roads	Km.	27	27
Kancha Road	Km.	110	108
Drain	Nos	1	1
Government Storage	Nos	5	5

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-puts during the 1 st year of operation at full capacity (or during real production for newly completed project)
1	2	3	4
Union Office	Nos	7	7
Land Office	Nos	7	7
Upazilla Health Center	Nos	1	1
Union Health Center	Nos	4	4
Vocational School & College	Nos	6	6
NGO Primary School	Nos	10	10
NGO Office	Nos	4	4
Clinic	Nos	10	10
Mosque	Nos	180	180
Madrasa	Nos	6	6
Temple	Nos	5	5
Agricultural Land	Nos	400	390
Wooden Mill	Nos	20	20
Brick field	Nos	15	15
Rice Mill	Nos	22	22
Bridge	Nos	15	15
Regulator	Nos	3	3
Culvert	Nos	150	150

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost of the project		It will be evaluated later by concern directorate of BWDB & IMED.
(i) Financial	1.37:1.00	
(ii) Economic	1.61:1.00	
(2) Internal rate of return		
(i) Financial	18.23%	
(ii) Economic	21.51%	

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

F. MONITORING AND AUDITING.

01. Monitoring:

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
(a) Ministry / Agency:			
Mr. Md. Kabir Bin Anwar Senior Secretary, MoWR.	23/04/2020 & 04/12/2021	No major Problem identified.	1. Physical works should be completed within stipulated time. 2. Those package works which have not been started should be started soon. 3. Tender for the new 5 packages included in the revised DPP should be invited soon. 3. Necessary measures should be taken to complete the work of the Gonokabor/DPM-01 package quickly. 4. Work should be implemented quickly while maintaining social distance.
Mr. Md. Mahfuzur Rahman DG, BWDB.	Several times	No major Problem identified.	1. Quality of materials should be ensured according to Standard Schedule of Rates Manual, Volume-I (Item Description and Specification of Materials) of BWDB.
Mr. Mahmudul Islam Additional Secretary, MoWR.	Several times	No major Problem identified.	1. All the work should be completed within the project period.
Mr. Md. Motaheer Hossain ADG (Planning) and Ex-Chief Engineer, Design, BWDB.	Several times	No major Problem identified.	1. Quality of materials should be ensured and work should be done as per approved design and specifications.
Dr. Md. Mizanur Rahman ADG (Planning), BWDB, Dhaka.	28/10/2021	No major Problem identified.	1. The Project Director has to visit the site every week to ensure timely completion of the project. 2. The field officials should be more sincere in order to complete the work properly. 3. Necessary supply of stone chips should be ensured at all sites.
Mr. Jyoti Prasad Ghosh ADG (West), BWDB, Dhaka.	19/02/2022 & 25/03/2022	No major Problem identified.	1. Necessary measures should be taken to complete the work of the Gonokabor/ DPM-01 package timely.
Mid-Term Evaluation committee consisting of 13(Thirteen) members, 1. Mr. Md. Rokon Ud-Dola Additional Secretary Ministry of Water Resources 2. Mr. S.M.Rezaul Mostofa Kamal Additional Secretary Ministry of Water Resources 3. Mr. Md. Afzal Hossan Director General (Joint Secretary)	09/10/2021 to 10/10/2021	1. Insufficient material mobilization. 2. Tender for the construction of X-bar was not invited. 3. Dredged material management	1. The Project implementing authorities should give due diligence for speedy completion of areas where work is progressing at a slow pace. 2. In those sites where construction of CC blocks are stopped due to lack of supply of stone chips, supply of stone chips should be ensured by alternative sources. 3. Tender for the construction of X-

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
Implementation Monitoring and Evaluation Division. 4. Mr. Mohammed Musa Joint Secretary Ministry of Water Resources 5. Mr. Mohammed Anamul Haque Joint Chief (Irrigation Wing) Agriculture, Water Resources and Rural Institutions Division, Planning Commission. 6. Mr. Mohammad Lutfar Rahman Deputy Secretary Ministry of Water Resources. 7. Mr. Shibir Bichitro Borua Deputy Chief (Irrigation Wing Branch) Agriculture, Water Resources and Rural Institutions Division, Planning Commission. 8. Mr. Md. Mahmud Hasan Deputy Secretary Ministry of Water Resources 9. Mr. Jyoti Prosad Ghosh Chief Engineer (North zone)/ Project Director, BWDB, Rangpur. 10. Dr. Laila Akhter Deputy Chief (Irrigation Wing) Agriculture, Water Resources and Rural Institutions Division Planning Commission. 11. Mr. Mohammed Mobassherul Islam Deputy Secretary Ministry of Water Resources 12. Mr. Md. Abu Rayhan Executive Engineer Gaibandha O&M Division BWDB, Gaibandha. 13. Dr. Tanjir Saif Ahamed Executive Engineer Office of the Chief Planning BWDB, Dhaka.		plan was not approved from PSC/PIC.	bar is to be invited through open tendering method. 4. Turfing work should be completed as soon as possible after the embankment resectioning and trees should be planted on the embankment. 5. Related BWDB officials and the project Director should be more active in supervising the work. 6. Ghats should be constructed with blocks for the convenience of going up and down the river.
Mr. Muhammad Amirul Haq Bhuiya PD & Chief Engineer Northern Zone, BWDB, Rangpur	Several times	No major Problem identified.	1. To complete the work on time concrete mixer machine must be increase. 2. The work should be implemented as per design and specifications. 3. In order to complete the project on time, necessary supply of goods to the site should be ensured.
Mr. Khushi Mohan Sarker Superintending Engineer Rangpur O&M Circle-01 BWDB, Rangpur	Several times	No major Problem identified.	1. In order to complete the project on time, necessary supply of goods to the site should be ensured. 2. To complete the project on time concrete mixer machine should be increased.
(b) IMED:			
Ms. Upama Akhter DD, IMED.	17/12/2020	No major Problem	1. In order to complete the project by June, 2021, regular supervision

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
		identified.	should be ensured by forming a committee consisting of representatives of the BWDB, Procuring Entity and Contractor. 2. In order to complete the project on time, adequate allocation should be ensured in ADP and RADP and the concern Ministry will take necessary measures in this regard. 3. A time-based action plan to complete all the remaining works in the next six months should be prepared and executed accordingly and sent to IMED. 4. To ensure financial transparency and accountability, annual audits should be conducted and audit objections should be disposed of promptly.
(c) Others (Please specify):			
Deputy Commissioner, Gaibandha.	Several times	No major Problem identified.	All the work should be done as per approved design and specifications.

02. Auditing during and after Implementation:

2.1. Internal Audit: Not Conducted.

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

2.2. External Audit:

Audit Period	Date of submission of Audit Report.	Major findings/objections	Whether objection resolved or not.
1	2	3	4
2017-18	02-04-2019		No Audit Objection.
2018-19	19-01-2020	Title: Revenue loss of Tk. 2,68,541.31 on account of VAT on premium due to non-insurance which is breach of contract.	Answer is submitted through Competent Authority and resolve of the objection is under process.
2019-20 & 2020-21	09-11-2021	Title: Irregular expenditure of Tk. 14,14,11,024.00 on bill payment of re-sectioning work by manual labor.	Answer is submitted through Competent Authority and resolve of the objection is under process.
		Title: Irregular expenditure of Tk. 12,04,84,987.00 to the contractor even though the Geo Textile Bag/ Fabric was not as per specification of BWDB.	
		Title: Irregularly paid Tk. 15,85,20,001.00 to the contractor except manufacturing and staking of CC blocks and proper quality of hard materials as per specifications.	

Audit Period	Date of submission of Audit Report.	Major findings/objections	Whether objection resolved or not.
1	2	3	4
2021-22	Yet to be conducted.		

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on:

1.1 Background

Fulchhari is the nearest Upazila of Gaibandha town. Baguria of Gidari Union in Gaibandha Sadar Upazila, Balashighat, Ratanpur-Singria-Katlamari and Mass Graveyard (Ganakabor) area situated in Fulchhari Upazila are severely eroded by the river Jamuna. Erosion of the Jamuna River is coming nearer to nearest to the Fulchhari Headquarter. Fulchhari Upazila headquarter now is about 1200m away from the mighty river Jamuna. But old Fulchhari Headquarter is almost on the bank of the river Jamuna. Fulchhari Upazila headquarter is a busy and important business center of Gaibandha District. The peoples of the vast area especially of char buy/sell their daily household necessities at Fulchhari headquarter Bazar.

About hundred years ago, the river Jamuna was about 30 Km. away from Gaibandha town but at present the river is only 3.50 Km. away from it. So, in the meantime, the river eroded a huge area of the district and shifted 66.50 Km. towards south-west. The aerial distance of BRE at Katlamari area was 5.00 Km. away from the river Jamuna in March 1981, it was only 265m. in October-2002. But BRE at Katlamari and Ratanpur area was engulfed during the flood of 2004. The erosion of the river Jamuna at Baguria, Balashighat, Ratanpur-Singria-Katlamari had severely started since many years ago. The embankment BRE has periodically been retired at some year interval due to severe erosion of the river at the area of Baguria, Balashighat, Ratanpur-Singria-Katlamari. This recurrence retired of the BRE has incurred not only huge amount of money but also cost vast valuable land properties. By this time, a huge area with important Hat-Bazar, Bandar, growth center, School, college, Govt. institutions, homestead and localities have been engulfed in the river Jamuna. Due to the phenomenon, a large number of people become rootless and shifted from the own localities and migrated elsewhere.

By the bank erosion, 3.00 Km. BRE embankment was engulfed at Ratanpur-Singria-Katlamari and remained open for a period. As a result, during the year 2007 & 2008 flood entered into the project area through the opening and inundated Gaibandha sadar, Fulchhari and Saghata Upazila which damaged huge infrastructures, roads, Govt. and private properties, homesteads, crops, animals etc. The opening of the embankment has been enclosed by construction of retired embankment during the year 2009-10 but this retired embankment has come again under threat of bank erosion. The retired BRE was again engulfed by the river Brahmaputra during 2012 and 2013 at Ratanpur. By constructing retired embankment and temporary emergency protective work intrusion of flood water was prevented by any means here. A length of about 3.00 Km. of BRE is severely under threat of river erosion. Also, about 10.00 km flood control

embankment in between km 66.000 to 80.300 is very weak against normal flood because proper maintenance was not available for more than 7/8 years. So, it needed proper re-sectioning. The nearest point of this retired BRE is only 15 m. away from the river Jamuna but the distance has gradually decreased. If the protection measure is not taken, the retired embankment will once again go into river. To solve recurrence problem necessary protective measure has to be taken immediately.

Honorable Minister of Water Resources Mr. Ramesh Chandra Sen has visited the erosion prone area of Jamuna River at Balashighat, Ratanpur-Singria-Katlamari of Fulchari Upazila on 01.08.2009. The local people and leaders have urged the Minister to save the public and private properties, valuable land from the erosion of the river. The Honorable Minister has instructed BWDB officials to submit DPP for protection against erosion of the river at the aforesaid localities. He has also addressed different meeting of the localities and assured protection of the river Jamuna.

Local Honorable Parliament Member, Deputy Speaker of Parliament Advocate Mr. Fazle Rabbi Mia, (33-Gaibandha-5) has also visited the said erosion prone areas for several time and submitted a D.O letter for taking necessary protective measure for river erosion. The Government commitment committee has instructed to submit a DPP to protect the area of unions Kanchipara, Uria, Udakhali and Gazaria from the erosion of the Jamuna vide memo no.11.503.036.08.00.050.2010/597 dt. 20.12.2010

In that situation, on the demand of people from all sections of Fulchari Upazila of Gaibandha District this Development Project Proposal (DPP) has been prepared on priority consideration of immediate implementation to protect the Fulchari Upazila and Brahmaputra Right Embankment (BRE) from the severe erosion of Jamuna River.

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 bank lines.

The large seasonal variation in river flow results in varying sediment transportation capacity and causes river-bank erosion, migration of river-banks and meandering river channels. In this context, there have been a growing concern and reassessment of the economic and socio-political benefits of protecting important towns, infrastructure, huts and bazars as well as agricultural land. The issue has been given due importance in the national planned documents for water sector and prioritized strategic locations of river banks have been stressed for phased implementation of river bank protection program at the apex level.

The overall objective of the project is to reduce environmental degradations and human hazards due to river erosion with ensuring safety of lives and properties around the area. Throughout the erection of

proposed bank revetment works and re-sectioning of embankment, safety of vast tract of agricultural lands and other immovable properties total worth of Tk. 1,07,541.00 lakh will be ensured against river erosion.

1.3. Objectives:

- To protect 400 hac. area of agricultural land and valuable immovable properties from devastating right bank erosion of mighty river Jamuna by bank revetment work at Baguria of length 430 m., at Balashighat of length 1376.40 m., at Ratanpur-Singria-Katlamari of length 2352.82 m., at Mass Graveyard (Gonakabor) of length 700 m. and at Ganakabor X-Bar of length 1000 m.; Total=5.859 Km.
- 22.510 Km. Embankment Re-Sectioning work at Gaibandha District.
- To save the historical “Mass Graveyard (Gonakabor)” of Shahid Freedom Fighter in 1971 from the erosion of the river Jamuna.
- 300 hac area of Land will be reclaimed and Socio-Economic development will be increased at Project area.

1.4. Project revision with reasons:

The DPP was formed on September, 2014 based on the Trend of River Bank erosion at Baguria of Gidari Union at Upazila Gaibandha Sadar, Balashighat of Kanchipara Union, Ratanpur of Uria Union, Singria of Udakhali Union, Katlamari and Historical Mass Graveyard of 1971 war at Gozaria Union at Fulchari Upazila. This is a very important project from people's point of view. This project was approved by ECNEC on 07-02-2017. The Administrative Order (AO) from Ministry of Water Resources was issued on 30-08-2017. The project duration was from 1 July, 2017 to 30 June, 2021 and the project cost was Taka 29936.37 Lakh. The project was taken to protect Brahmaputra Right Flood Embankment from engulfment of the right bank of Jamuna River and maintain river alignment in a sustainable thalweg for sustainable river management through river dredging work. After approval of the project, the Project Director was appointed on 22-10-2017.

Jamuna is a braided river and its morphological behavior is very much uncertain. After every flood of monsoon, it changes its courses. A Steering committee meeting (5th) was held on 02/09/2020 which was Presided by Mr. Kabir Bin Anwar, Senior Secretary, MoWR. A decision was made in the meeting that “A technical committee will be formed to revise the DPP incorporating with strengthening BWDB Flood Control Embankment & construction of a Spur/Groyne and it has to be done with highest priority”. The Technical Committee, headed by Superintending Engineer, Design Circle-06, BWDB which was formed earlier by BWDB Board Secretariat vide its Memo. No. BWDB(Sec)Planning-1/Misc-3/2020(2nd Part)/94 dated: 29-09-2020 consisting total 8(Eight) nos member including 3(Three) Outside Member for the revision of this project was assigned to furnish a report incorporating recommendation made by Mr. Kabir Bin Anwar, Senior Secretary, MoWR.

The Technical Committee considering massive morphological changes due to severe flood in 2018, 2019 and 2020 along the river in the project area, recommended the following:

- **Construction of Gonokabor X-Bar:** A length of 500 m. long X-Bar can be constructed at BRE Dowel 4.000 including 1000 m. river bank protection work along the x-Bar.

- **Flood Control Embankment Re-sectioning:** To protect Gaibandha Municipality area, Sadar, Fulchari and Saghata Upazila from Flood, BRE Dowel Km. 0.00 to Dowel Km. 6.800 = 6.800 Km., BRE Km. 82.340 to BRE Km. 83.00 = 0.660 Km., BRE Km. 57.500 to BRE Km. 62.200 = 4.700 Km., Komornoy Embankment Km. 1.000 to Km. 5.000 = 4.000 Km. and Sonail Embankment Km. 0.00 to Km. 4.150 Km.=4.150 Km. (Total 20.31 Km.) embankment resectioning work will be required along with the 10.00 km. re-sectioning work which was already included in DPP.
- **Bank Revetment Work:** Technical Committee proposed that U/S End Termination at BRE Km. 63.500 of Baguria, Gaibandha Sadar, Gaibandha should be replaced by additional 130.00 meter river bank protection work at U/S of BRE Km. 63.500, at Balashi Ghat of Fulchari Upazila bank protection work from Km. 65.526 to Km. 66.826 = 1300 m. including 54.04m D/S End Termination, at Ratanpur-Singria-Katlamari of Fulchari Upazila eliminating D/S End termination Km. 73.240 to Km. 75.440 = 2200m. including 105.00 m U/S End termination and at Ganakabor of Fulchari Upazila eliminating D/S End termination Dowel km. 4.020 to km. 4.720 = 700 m Total 4630.00 m Bank Revetment work is required to protect the Project area form River erosion.
- **River Dredging Works:** Dredging work at BRE Dowel Km. 4.600 to Dowel Km. 6.500=1900 m. and BRE Km. 83.000 to Km. 87.420 =4420 m., Total 6320 m. is completed at Fulchari Upazila. The Technical Committee proposed that river dredging work at Balashighat of Gaibandha Sadar, Gaibandha should be omitted while BIWTA was performing the river dredging work at Balashighat of Gaibandha Sadar, Gaibandha.

A DPEC meeting for 1st revision of DPP was held on 20-09-2021 in the Ministry of Water Resources. The honourable Senior Secretary, MoWR presided the DPEC meeting. The 1st Revised DPP was prepared according to recommendation of that PEC meeting.

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

Bangladesh is a riverine county and bank line erosion of different rivers has been a recurrent phenomenon. River bank erosion in alluvial lands of Bangladesh specially for the river Jamuna is a complex and dynamic thrust of nature due to strong onrush of water and major variation in between normal water flows 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 become very severe and causes immense damages impacted by occurrence of devastating river erosion. This has significant social and economic impacts. A lot of land, crops and property has led to landlessness and impoverishment of thousands of dwellers living within bank lines.

In this context, there have been a growing concern and reassessment of the economic and socio-political benefits of protecting important town, infrastructure, hats, bazaars as well as agricultural land. The issue has been given due importance in the national planned documents for water sector and prioritized strategic locations of river banks have been stressed for phased implementation of river bank protection program at the apex level.

In this backdrop, present project thus proposed to be executed on emergency basis. The overall objective of the project is to reduce environmental degradations & human hazards due to river erosion with ensuring safely of lives & properties around the area. Throughout the erection of proposed bank revetment work, safety of establishments worth value of Tk. 1,07,541.00 lakh will be ensured against river erosion.

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

◆ Project Identification:

The project area is located at the East part of Gaibandha district across the right bank of Jamuna River to protect Baguria of Sadar Upazila, Balashi ghat, Ratanpur-Singria-Katlamari & Ganakabor of Fulchari Upazila. Main components of this project are to construct 5.859 Km. bank revetment work, 22.510 Km. re-sectioning of Embankment and 6.320 km Jamuna River Dredging work.

◆ Project Preparation:

Honorable Parliament Member, Deputy Speaker of Parliament Advocate Mr. Fazle Rabbi Mia, (33-Gaibandha-5) has visited the erosion prone areas for several time and submitted a D.O letter for taking necessary protective measure for river erosion. The Government commitment committee has instructed to submit a DPP to protect the area of Kanchipara, Uria, Udakhali and Gazaria unions from the erosion of the Jamuna vide memo. no.11.503.036.08.00.050.2010/597 dt. 20.12.2010. Thus, the Development Project Proposal (DPP) has been prepared on priority consideration of immediate implementation to protect the Sadar & Fulchari Upazila and Brahmaputra Right Embankment (BRE) from the severe erosion of Jamuna River.

◆ Appraisal/ PEC Meeting in Planning Commission:

The PEC meeting was held on 28-03-2016 at Planning Commission. As per decision of PEC meeting the DPP was corrected and sent to the ECNEC for approval the above project.

- * **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 07-02-2017 and 1st Revised DPP was approved by MoWR on 04-11-2021.

- * **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.

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4.2 Programme for use of created-facilities of the project

The stake 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

- Protection of existing Brahmaputra Right Bank Flood Control Embankment (BRE), vast arable lands and other public and private properties valued approximately Tk. 1,07,541.00 lakh under Baguria, Ratanpur-Singria-Katlamari and Ganakabor and adjacent area of Fulchari Upazila in the District of Gaibandha from the erosion of right bank of Jamuna River have been ensured by execution of 5.859 Km. revetment works along the vulnerable river bank.
- Fulchari and Sadar Upazila in the District of Gaibandha have been protected from the devastating flood of Jamuna River by execution of 22.510 Km. Re-sectioning of Embankment along the vulnerable river bank.

4.4.2. Indirect

- River alignment has been maintained in a sustainable thalweg for sustainable river management.
- Socio-economic condition has improved in the project area.
- Environmental adverse impact has been mitigated and ecological balance has been established.

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 centers 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.

5. 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

Due to severe flood in 2019, Brahmaputra Right Bank Flood Control Embankment was breached in several locations and inundated almost 70% area of the Gaibandha district including Gaibandha municipality area. Gaibandha Town was submerged in water for almost one week. Following the 2019 flood a severe flood also occur in 2020 too. After that two devastated flood in a row Steering committee guided to form a technical committee. The technical committee changed and modified the length and alignment of the protective work and embankment re-sectioning works. According to technical committee report the DPP was reformed and got approval from MoWR. Then the work was implemented successfully in time and within the RDPP cost.

**5.10 Project financing,
allocation and release**

N/A.

5.11 Design formulation /approval

N/A.

**5.12 Project aid disbursement
and re-imburement**

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:

The main objective of the project is to protect existing Brahmaputra Right Bank Flood Control Embankment (BRE), vast arable lands and other public and private properties valued approximately Tk. 1,07,541.00 lakh under Bagurai of Sadar Upazila and Balashi Ghat, Ratanpur-Singria-Katlamari, Ganakabor and adjacent area of Fulchari Upazila in the District of Gaibandha from the erosion of right bank of Jamuna River by execution of 5.859 Km. river bank protective works, 22.510 Km. re-sectioning of Embankment along the vulnerable river bank and 6.320 Km Dredging of Jamuna River. Due to implementation of the project, physical safety and sense of security among the people of the project area have been developed, resulting in enhanced investment in housing and commercial buildings, enhanced investment in business and development work and have also caused positive impacts on agriculture and fish resources production and land prices. These all components will enhance the opportunity of employment and poverty alleviation.

The very nature & objective of this project have direct relevance with the national objective of attaining self-reliance, generation of rural employment, poverty alleviation especially for rural poor section, creation of social & environmental balance & building of economic infrastructures for the future generation to sustain due to river erosion mitigation.

The commencement and completion of the project was schedule to be accomplished in the FY 2017-2018 to 2021-2022 as per approved DPP (1st Revised) and accordingly implementation completion has been achieved.

It may be mentioned here that, there was a gap of 6.500 Km. between the protective works of Balashi Ghat and Ratanpur-Singria-Katlamari completed under this project. This area of river bank is highly vulnerable to river erosion. River bank protection work along this 6.500 Km. bank line after the downstream end of Balashi Ghat of this project is very much necessary for long term sustainable of this project.

Recommendation: Proper Monitoring and regular maintenance of the implemented revetment works are required for more sustainability of the project.

Date.....


 (Muhammad Amirul Haq Bhuiya)
 Chief Engineer
 Northern Zone, Rangpur
 &
 Project Director

07. Remarks/ Comments of Agency Head.

The objective of the project was to protect the existing Brahmaputra Right Bank Flood Control Embankment (BRE) at Bagurai of Sadar Upazila and Balashi Ghat, Ratanpur-Singria-Katlamari, Ganakabor and adjacent area of Fulchari Upazila in the District of Gaibandha from the erosion of right bank of Jamuna River. The project also saved the historical "Mass Graveyard (Ganakabor)" of martyred Freedom Fighters in 1971 from the erosion of the Jamuna River. In total, properties worth Tk. 1, 07,541.00 lakh by execution of 5.86 Km river bank protective works, 22.510 Km re-sectioning of embankment along the vulnerable river bank, and 6.320 Km dredging of the Jamuna River. Physical safety and a sense of security among the people of the project area have been developed which will help to create employment opportunities and alleviate poverty. The project has been implemented through careful monitoring and supervision which makes the project's benefits sustainable. Proper Monitoring and regular maintenance of the implemented revetment works are required to sustain the benefits of this project.

Date:

 27.11.2022

Signature and Seal
(FAZLUR RASHID)
Director General
BWDB, Dhaka.

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

The main objective of the project is to protect the existing Flood Control Embankment of Brahmaputra and Jamuna River's right bank by executing 5.859 km revetment works, 22.51 km of Rehabilitation of Embankment in Sadar and Fulchuri Upazila and Excavation/River Dredging of 6.320 km along the vulnerable riverbank of Fulchuri Upazila of Gaibandha District. After the implementation of the project, it has saved public and private properties worth Tk. 107541.00 lakh of Baguria, Ratanpur-Singria-Katlamari and Ganakabor and adjacent areas of Fulchuri Upazila of the Gaibandha district as a result it has improved the socio-economic condition of the project area. DPP was revised according to the changing environment of the project area as there were two devastating floods in 2019 and 2020. The project works have protected the historical "Mass Graveyard (Ganakabor)" of Shahid Freedom Fighters in 1971 from the erosion of Jamuna River. With close monitoring and careful supervision, the project was completed successfully. The project is performing well 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