

BANGLADESH WATER DEVELOPMENT BOARD**PROJECT COMPLETION REPORT: IMED-04/2003 (Revised)**

NAME OF THE PROJECT: RIVER BANK PROTECTION WORK OF BAHADURPUR VILLAGE IN 7 NO. KAZIRCHAR UNION FROM EROSION OF THE KOYLA RIVER AT MULADI UPAZILA IN BARISAL DISTRICT.

PROJECT PERIOD: JANUARY 2018 TO JUNE 2020.

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 Department.

PROJECT COMPLETION REPORT: IMED 04/2003 (REVISED)

A. PROJECT DESCRIPTION:

01. Name of Project: River Bank protection work of Bahadurpur village in 7no. kazirchar union from erosion of the Koyla river at Muladi Upazila in Barisal District.

02. Administrative Ministry/ Division : Ministry of Water Resources

03. Executing Agency : Bangladesh Water Development Board.

04. Location of the Project : Upazila: Muladi, District: Barishal.

05. Object of the Project :

- ❖ To arrest erosion of the project area and will ensure safety of public and private properties.
- ❖ To protect Kazirchar union, Grameen Bank, markets, primary/secondary school, homestead, cultivable land, road, and other private & public properties in the area from the Erosion of Koyla River.
- ❖ The approximate value of the properties to be saved is Tk.4809.00 lakh.

06. Estimated Cost:

(In Lakh Taka)

	Original	Revised
a) Total	1080.90	-
b) Taka	1080.90	-
c) Foreign Currency	-	-
d) Project Aid	-	-
e) RPA	-	-

07. Date of Approval :

PCP	PP
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a) Original : 06/05/2018

b) Latest Revised : ---

08. Implementation period:

	Date of Commencement	Date of Completion
a) Original	January, 2018	June, 2020
b) Latest Revised	-	-
c) Actual	January, 2018	June, 2020

9. Financial Agreement (source wise):

9.1 Status of Loan / Grant:

a) Foreign Financing:

Source(s)	Currency as per agreement	Currency as per Agreement	Amount in US\$ (Million)	Nature (Loan/Grant Supplier's credit)	Date of Agreement	Date of Effectiveness	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
1080.90	-	1080.90	-

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 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
January/2018 to June/2020	-	January/2018 to June/2020	-	Didn't over-run.

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	1080.90	-	1003.99	-	Didn't over-run.
Taka	1080.90	-	1003.99	-	
PA	-	-	-	-	

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

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)	Existing manpower of the implementing agency were deployed during execution of the project.					
Staff(s)						
Total						

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	N/A				
b) Local	N/A				

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

(In Lakh Taka)

Items of work as per DPP	Unit	Target (as per DPP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
Revenue Component:						
Supplies and Services						
Petrol, oil and lubricants	LS	2.00	LS	2.00	LS	
Printing and binding	LS	0.35	LS	0.30	LS	
Advertising expenses	LS	2.00	LS	2.00	LS	
Stamps and seals	LS	0.50	LS	0.50	LS	
Labour wages to non-employees	LS	2.00	LS	2.00	LS	
Honorarium allowance	LS	2.00	LS	1.95	LS	
Survey	LS	0.50	LS	0.50	LS	
Motor vehicle Maintenance	LS	1.50	LS	1.50	LS	
Sub Total (a) :		10.85		10.75		
Capital Component:						
b1. Acquisition of Assests						
Sub Total (b1) :		-				
b2. Construction of works:						
Embankment (Bank Protection Work).	km	1060.05	3.20 km	993.24	3.20 km	
Total Length=3.20 Km						
Sub Total (b2) :		1060.05		993.24		
Sub Total (b1+b2)		1060.05		993.24		
Physical Contingency	LS	5.00	LS	-	-	
Price Contingency	LS	5.00	LS	-	-	
Total (a+b+c+d):		1080.90	100.00%	1003.99	100.00%	

06. Information Regarding Project Director(s):

Name & Designation with pay scale.	Full time	Part time	Responsible for more than one Project	Date of		Remarks.
				Joining	Transfer	
1	2	3	4	5	6	7
Mohammad Abu Sayeed Project Director & Executive Engineer, Barishal O&M Division, BWDB, Barishal.	Full time	-	Yes	03.07.2018	08.09.2019	-
Uzzwal Kumar Sen Project Director & Executive Engineer, Barishal O&M Division, BWDB, Barishal.	Full time	-	Yes	31.12.2019	20.07.2020	-

07. Procurement of Transport (in nos.): No provision in this project.

08. Procurement of Goods, Works and Consultancy Service.

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

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per DPP	Contracted value	Invitation date	Contract signing/L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
(A) Capital Component (Construction Works): OTM						
Bank protection work of Bahadurpur village in 7 no. kazirchar union from erosion of the Koyla canal at Muladi	347.66	343.94	19-07-2018	17-09-2018	30.06.2020	30.06.2020

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per DPP	Contracted value	Invitation date	Contract signing/L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Upazila in Barisal District from km 1.500 to km 2.025 = 0.525km X 2= 1.050km Under Barisal O&M Division, BWDB, Barisal During the Year 2018-19 & 2019-20. Package No: M-W-01 Tender ID No.: 213060						
Bank protection work of Bahadurpur village in 7 no. kazirchar union from erosion of the Koyla canal at Muladi Upazila in Barisal District from km 2.025 to km 2.550 = 0.525km X 2= 1.050km Under Barisal O&M Division, BWDB, Barisal During the Year 2018-19 & 2019-20. Package No: M-W-02 Tender ID No.: 213063	347.66	343.94	19-07-2018	17-09-2018	30.06.2020	30.06.2020
Bank protection work of Bahadurpur village in 7 no. kazirchar union from erosion of the Koyla canal at Muladi Upazila in Barisal District from km 2.550 to km 3.100 = 0.550km X 2= 1.100km Under Barisal O&M Division, BWDB, Barisal During the Year 2018-19 & 2019-20. Package No: M-W-03 Tender ID No.: 213066	364.73	359.91	22-07-2018	17-09-2018	30.06.2020	30.06.2020

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	-	-	-	-
b) Local	-	-	-	-

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

N / A.

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	GOB	Others	Physical	Total	GOB	Others	Physical

				%				%
1	2	3	4	5	6	7	8	9
2017-18	351.56	351.56	-	32.52%	-	-	-	-
2018-19	351.06	351.06	-	32.48%	-	-	-	-
2019-20	378.28	378.28	-	35.00%	-	-	-	-
Total	1080.90	1080.90	-	100.00 %	-	-	-	-

01. (b) Revised ADP allocation and progress:

(In Lakh Taka)

Financial Year	Allocation & Target				Taka Release	Expenditure & Physical Progress			
	Total	GOB	Others	Physical %		Total	GOB	Others	Physical %
1	2	3	4	5	6	7	8	9	10
2017-18	-	-	-	-	-	-	-	-	-
2018-19	800.00	800.00	-	70.00%	800.00	747.99	747.99	-	70.00%
2019-20	256.00	256.00	-	30.00%	256.00	256.00	256.00	-	30.00%
Total	1056.00	1056.00	-	100.00%	1056.00	1003.99	1003.99	-	100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Sl. No.	Objectives as per DPP	Actual Achievement	Reason for shortfall, if any
1	2	3	4
01	To arrest erosion of the project area and will ensure safety of public and private properties.	After implementation of 3.20 km bank protective work, about 160 hectares of land is protected from the Koyla river erosion. Lands & establishments worth Tk 48.09 Cr has been saved.	No shortfall
02	To protect Kazirchar union, Grameen Bank, markets, primary/secondary school, homestead, cultivable land, road, and other private & public properties in the area from the Erosion of Koyla River	Objectives achieved fully.	No shortfall
03	The approximate value of the properties to be saved is Tk.4809.00 lakh.	Objectives achieved fully.	No shortfall

E. BENEEFIT 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
Safeguard to river bank erosion of following items:			
Vocational Technical B.M. College	no.	1	1
Market Shops	no	125	125
Dairy farm	no	05	05
primary/secondary school	no	04	04
Mosque	no	06	06
Residence Building (Pacca, Semi-Pacca, Kacha house)	no	470	470
Bank	no	1	1
College	no	1	1

Land/Cultivable land	Ha	160	160
Bridge/Culvert	no	3	3
Road (Kaccha,Pacca)	km	6	6

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	1.53:1.00	
(ii) Economic	1.79:1.00	
(2) Internal rate of return		
(i) Financial	21.52%	
(ii) Economic	25.62%	

(3) 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:			
Zulfikar Ali Howlader Chief Engineer, Southern Zone, BWDB, Barisal	Several times	No major problems identified.	Instructed to follow approved designs for construction works & to complete within the stipulated time.
Md. Harun-Ar-Rashid Chief Engineer, Southern Zone, BWDB, Barisal.	Several times	No major problems identified.	Instructed to follow approved designs for construction works & to complete within the stipulated time.
Md. Shafi Uddin Superintending Engineer Barisal O&M Circle, BWDB, Barisal	Several times	No major problems identified.	Instructed to follow approved designs for construction works.
Mohammad Abu Sayeed Project Director & Executive Engineer, Barishal O&M Division, BWDB, Barishal.	Several times	No major problems identified.	Instructed to follow approved designs for construction works.
Uzzwal Kumar Sen Project Director & Executive Engineer BWDB, Barisal	Several times	No major problems identified.	Instructed to follow approved designs for construction works.
(b) IMED :			
Upama Akter Deputy Director IMED, Sector-4, Planning Commission	31/01/2020	No major problems identified.	Project Progress was satisfactory and Project must be completed in time
(c) Others (Please specify):			

02. Auditing during and after Implementation:

2.1. Internal Audit:

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

2.2. External Audit:

Period of Audit	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not	Comment
1	2	3	4	5
2017-2018	-	-	-	-
2018-2019	09-02-2020	No objection identified.	-	-
2019-2020	-	-	-	Yet to be conducted.

G. DESCRIPTIVE REPORT

1.0 General Observations/Remarks of the Project on:

1.1 Background

The project is located in Kazirchar union under Muladi upazila of Barisal district. The place is only 30 km away from Barishal Sadar. It is located in the north-east of Sadar upazila. The place is located on both banks of the Koyla river. The village of Bahadurpur suffered greatly due to the erosion of the Koyla river. If the necessary measures were not taken to prevent river erosion, about 5,000 people would have been displaced. Public and private facilities in the area were under threat from river erosion. Bahadurpur village, markets, shops, Grameen Bank office, houses, schools, agricultural lands and other infrastructures suffered from river erosion.

To solve the problem of river erosion, local people have been demanding to take necessary steps. Hon'ble MP of Barisal-3 constituency has requested the Hon'ble Minister of Water Resources to take necessary steps to solve the problem of river erosion in the project area through DO letter.

In this situation, a 6-member technical committee was formed to study the proposed project. The committee submitted its report in August 2017. The technical committee in its report has recommended the implementation of the work. In accordance with the recommendations of the Technical Report, the current DPP has been prepared.

1.2 Justification/Adequacy:

- About 3.20 km bank line and 160 hectares of land will be protected from Koyla river erosion, Thereby improving the project area's communications with the main lands of Bangladesh and through farming it has a huge positive impact on the economic activities of the local people.
- Kazirchar union, Grameen Bank office, markets, primary/secondary school, homestead, cultivable land, road, and other private & public properties will be saved in the area from the Erosion of Koyla river. The approximate value of the properties to be saved is Tk.4809.00 lakh.
- The Security and national economic situation of the area will be improved.
- There will be poverty alleviation and employment opportunities.
- Will have a positive impact on the environment.

1.3. Objectives:

The main objective of the project is:

- ❖ To arrest erosion of the project area and will ensure safety of public and private properties.
- ❖ To protect Kazirchar union, Grameen Bank, markets, primary/secondary school, homestead, cultivable land, road, and other private & public properties in the area from the Erosion of Koyla river. The approximate value of the properties to be saved is Tk.4809.00 lakh.
- ❖ Prevent change of river course.
- ❖ Keeping continuous socio-economic development with social security.

- ❖ Preventing environmental balance in project area from adverse effect of environment.

1.4. Project revision with reasons: N/A

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

Implementation of 3.20 km. protective work will save the lives and valuable properties under the project area along with the important business center at Kazirchar Union, Upazilla Muladi.

The nature and objective of the project have direct relevance of the national objectives of attaining self-reliance in food grain production, generation of rural development, poverty alleviation especially for rural poorer section, creation social & environmental balance and building economic infrastructures for the future generations to sustain.

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

◆ Project Identification:

To solve the problem of Koyla river erosion, local people had been demanding to take necessary steps. Hon'ble MP of Barisal-3 constituency has requested the Hon'ble Minister of Water Resources to take necessary steps to solve the problem of river erosion in the project area through DO letter.

◆ Project Preparation:

In this situation, a 6-member technical committee was formed to study the proposed project. The committee submitted its report in August 2017. The technical committee in its report has recommended the implementation of the work. In accordance with the recommendations of the Technical Report, the current DPP has been prepared.

Accordingly, instructions of Water Resources Ministry, Bangladesh Water Development Board taken up the mentioned project in cooperation by field level of Barishal O&M Division, BWDB, Barishal.

◆ Appraisal:

The PEC meeting was held on 24.12.2017 at Planning Commission.

- ◆ 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 Hon'ble Planning Minister on 06.05.2018.

- ◆ Others (if any): Nil.

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

- 4.1 Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.
Yes.
- 4.2 Programme for use of created facilities of the project
All the infrastructure that was assumed to be saved seem to be saved by implementation of the project. The stakeholders are directly taking advantage of the created facilities of the project.
- 4.3 O & M Programme of the project
As the project has been completed, 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 Bahadurpur village in 7 nos. kazirchar union from erosion of Koyla river at Muladi Upazila in Barisal District.
- Protection of surrounding community from inundation during monsoon period.
- 3.20 km bank line and 160 hectares of land will be protected from the Koyla river erosion.
- Kazirchar union, Grameen Bank office, markets, primary/secondary school, homestead, cultivable land, road, and other private & public properties will be saved in the area from erosion of Koyla river. The approximate value of the properties to be saved is Tk.4809.00 lakh.

4.4.2. Indirect

- By implementing the project, the catastrophe and erosion described will be reduced and the project area will be free of flood and river erosion, as well as the socio-economic context of the project area will be improved and the environment will be improved. Immune measures will be strengthened in storms, floods and other natural disasters.

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

Many agricultural land and business center was saved. Hence there will be significant possibility of self-employment on agriculture sector and business sector.

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

No.

4.10 Probable Impact on Socio-Economic activity.

By protecting the river bank, the threat on the living community being landless and homeless will be eradicated and therefore the economy of the local people will not be adversely affected. 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. Bank erosion hazards of environment are eradicated to ensure the safety of local community and to increase the flow capacity of river.

4.12 Sustainability of the project

The project is sustained but requires periodic maintenance.

4.13 Contribution to poverty alleviation/reduction

- After completion of the project, 3.20 km length along both bank of Koyla river is protected from erosion. Thus protecting the local people from being homeless and saving huge immovable public and private properties which worth about 4809.00 lakh taka.
- Socio-economic development of the area. Growth of local business on the protected bank and surrounding area of the Koyla river.

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)


Project Management	: N/A.
Project Director	: N/A.
Land Acquisition	: N/A.
Procurement	: N/A.
Consultancy	: N/A.
Contractor	: N/A.
Manpower	: N/A.
Law & Order	: N/A.
Natural calamity	: N/A.
Project financing, allocation and release	: N/A.
Design formulation/approval	: N/A.
Project aid disbursement and re- imbursement	: N/A.
Mission of the development partners.	: N/A.
Time & Cost Over-run	: N/A.
Project Supervision/Inspection	: N/A.
Delay in Decision	: N/A.
Transport	: N/A.
Training	: N/A.
Approval	: N/A.
Others	: N/A.

06. Remarks & Recommendations of the Project Director:

The project is located in Kazirchar Union under Muladi upazila of Barisal district. The place is only 30.00 km away from Barishal Sadar Upazila. The village of Bahadurpur used to suffer greatly due to the erosion of Koyla river. If any necessary measures were not taken to prevent river erosion, about 5,000 people would have been displaced. Public and private facilities in the area were under threat from river erosion. In that context, BWDB took this project. The project has been implemented in compliance with approved design & specifications. Quality control has been assured by BWDB's Taskforce committee to ensure highest quality with greater transparency.

After implementation of the project, Bahadurpur village in 7 no. Kazirchar Union has been protected from erosion of the Koyla river. 3.2 km bank line of project area and 160 hectares of land across both banks are now fully protected from river erosion threat. The project boosts a huge positive impact on the economic activities of the local people. Stakeholders are happy with the project. Regular maintenance of the project will be carried out from O&M budget of BWDB.

Date 16.9.2020


(Dipak Ranjan Das)
Executive Engineer (Addl. Ch.)
Barishal O&M Division,
BWDB, Barishal

07. Remarks/ Comments of Agency Head.

This is a very small project addressing bank erosion of Koyla River in Bahadurpur village of 7 No. Kazichar Union at Muladi Upazila in Barisal district. Implemented 3.20 km bank protective work has safeguarded about 160 ha of land from river erosion risk. Lands and establishments worth Tk. 48.09 cr have been saved. Thus this project ensures a good output with greater sustainability.

Date.....

Signature and Seal

21.09.2020
(A. M. Aminul Haque)
Director General
BWDB, Dhaka.

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

Date.....

Signature and Seal.

