

BANGLADESH WATER DEVELOPMENT BOARD



PROJECT MONITORING FORM-IMED-04/2003(Revised)

PROJECT COMPLETION REPORT

Name of Project : River Bank protection work along the left Bank of Ichamati River at Nangla under Polder No.03 in Satkhira District.

Project Implementation Period : January, 2019 to June, 2021.

Name of Division : Satkhira O&M Division 1, BWDB, Satkhira.
Name of Circle : Khulna O&M Circle, BWDB, Khulna.
Name of Zone : South-Western Zone, BWDB, Khulna.

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 along the left Bank of Ichamati River at Nangla under Polder No.03 in Satkhira District.
02. **Administrative Ministry/Division** : Ministry of Water Resources (MoWR)
03. **Executing Agency** : Bangladesh Water Development Board (BWDB).
04. **Location of the Project** : District: Satkhira; Upazilla: Debhata.
05. **Objective of the Project** :
- To mitigate the reduction of the main land Area of Bangladesh by protecting river erosion as the project area is located in Border area.
 - Due to the implementation of protective works in the project area, various types of installations, residences, mosques, BGB offices, markets, schools, temples, roads, highways and surrounding areas will be saved around Tk. 8410.00 Lac.
 - If the proposed protective work is implemented, it will be possible to prevent saline water intrusion inside the polder.

06. **Estimated Cost** : **(In lakh Taka)**

	Original	Latest Revised
(a) Total	1700.79	-
(b) Taka	1700.79	-
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. **Date of Approval** :

	PCP	PP
(a) Original	-	29/01/2019
(b) Latest Revised	-	-
(c) No cost time extension	-	21/06/2020

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08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	January, 2019	June, 2020
(b) Latest Revised	-	-
(c) No cost time extension	January, 2019	June, 2021
(d) Actual	January, 2019	June, 2021

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 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
1700.79	-	1700.79	-

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					

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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
January, 2019 to June, 2020	January, 2019 to June, 2021	January, 2019 to June, 2021	66.67%	Delayed due to COVID-19 pandemic situation.

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	1700.79	1700.79	1587.08	-6.69%	Didn't over-run
TAKA	1700.79	1700.79	1587.08		
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	Male	Female
1	2	3	4	5	Male	Female
Officer (s)	Existing manpower of the implementing agency (Satkhira O&M Division-1, BWDB, Satkhira) were deployed during execution of the project.					
Staff(s)						
Total :						

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

Field of Training /Study tour/workshop/ Seminer 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				

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

(In lakh Taka)

Items of work (as per PP)	Unit	Target (as per PP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
(a) Revenue Component						
Travel Expenses	LS	2.00	LS	2.00	LS (100%)	
Petrol & Lubricant	LS	2.00	LS	2.00	LS (100%)	
Printing & Binding	LS	0.50	LS	0.50	LS (100%)	
Office Stationary, seal & stamps	LS	0.50	LS	0.50	LS (100%)	
Seminar /conference cost	1 item	1.00	1 item	-	-	
Irregular Labor Wages	LS	3.00	LS	3.00	LS (100%)	
Honourium/Fee/ Remuneration of Different committee members	LS	4.50	LS	3.78	LS (100%)	
Survey & Investigation	LS	1.00	LS	1.00	LS (100%)	
Repair & maintenance of existing vehicles	Nos	1.00	2	1.00	2	
Sub Total (a)		15.50		13.78		
(b) Capital Component						
Acquisition of asset:						
Survey Equipment (01 Set)	Nos	1.00	1	1.00	1	
computer (Brand-1 no.) with Laser printer & multimedia	Set	0.80	1	0.80	1	
Photocopier (1 Nos)	Nos	1.50	1	1.50	1	
Construction and Works						
Permanent bank protective work along the left bank of Ichamoti river from km 10.550 to km 11.210 total 0.660 km	meter	1661.99	660 m	1570	660 m	
Sub Total (b)		1665.29		1573.30	100.00%	
Physical Contingency	-	10.00	-	-	-	
Price Contingency	-	10.00	-	-	-	
Grand Total (a+b)		1700.79	100%	1587.08	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
Md. Abul Khaer Executive Engineer Taka 43,000 -69,850	Full time	-	No	23-04-2019	Till date	

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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
N/A						

08. Procurement of Goods, Works and Consultancy Services:

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

Description of procurement (goods/works/consultancy) as per bid document	Tender/Bid/Proposal Cost (in Lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per DPP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Permanent bank protective work along the left bank of Ichamoti River from km 10.550 to km 10.800 total 0.250 km in connection with river bank protection work along the left bank of Ichamoti River at Nangla under polder no. 3 in Satkhira District during the year 2018-2019 & 2019-2020.	564.17	553.98	29/04/19	13/06/19	27/06/20	27/06/21
Permanent bank protective work along the left bank of Ichamoti River from km 10.800 to km 11.050 total 0.250 km in connection with river bank protection work along the left bank of Ichamoti River at Nangla under polder no. 3 in Satkhira District during the year 2018-2019 & 2019-2020.	563.30	553.83	29/04/19	13/06/19	27/06/20	27/06/21
Permanent bank protective work along the left bank of Ichamoti River from km 11.050 to km 11.210 total 0.160 km in connection with river bank protection work along the left bank of Ichamoti River at Nangla under polder no. 3 in Satkhira District during the year 2018-2019 & 2019-2020.	534.52	506.58	29/04/19	04/08/19	20/06/20	20/06/21

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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	N/A			
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
N/A						

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
2018-19	840.80	840.80	-	49.44%	-	-	-	-
2019-20	859.99	859.99	-	50.56%	-	-	-	-
2020-21	-	-	-	-	-	-	-	-
Total	1700.79	1700.79	-	100.00%	-	-	-	-

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01. (b) Revised ADP allocation and progress :

(In lakh Taka)

Financial Year	Revised Allocation & target				Taka release	Expenditure & physical progress			
	Total	Taka	P.A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2018-19	100.00	100.00	-	3.50%	50.00	50.00	50.00	-	3.50%
2019-20	1201.00	1201.00	-	61.50%	1200.00	994.54	994.54	-	61.50%
2020-21	589.00	589.00	-	35.00%	588.31	542.54	542.54	-	35.00%
Total	1890.00	1890.00	-	100.00%	1838.31	1587.08	1587.08	-	100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
To mitigate the reduction of the main land Area of Bangladesh by protecting river erosion as the project area is located in Border area.	It has been possible to prevent the decline of the mainland area of Bangladesh ue to the implementation of the protective work.	-
Due to the implementation of protective works in the project area, various types of installations, residences, mosques, BGB offices, markets, schools, mosques, temples, roads, highways and surrounding areas will be saved around Tk. 8410.00 Lac.	660m protective works has been implemented along Ichamati river and various types of installations, residences, mosques, BGB offices, markets, schools, mosques, temples, roads, highways and surrounding areas is saved.	-
If the proposed protective work is implemented, it will be possible to prevent saline water intrusion inside the polder.	Due to the implementation of protective works, it has been possible to prevent saline water intrusion inside the polder.	-

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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).
1	2	3	4
Protection of the following structures:			
Hat, Bazar (including shops)	No	10	10
Nangla High School	No	2	2
BGB Camp	No	1	1
Mosque	No	5	5
Agri land	Ha	150	150
Fisher Land	Ha	100	100
Homestead	Nos	120	120
Madrasha	No	3	3
Mondir	No	3	3
Debhata Thana	No	1	1
Government Office	No	5	5
Pucca Road	km	3	3

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project (i) Financial (ii) Economic	(1) Benefit cost ratio of the project (i) Financial = 1.65 : 1 (ii) Economic = 1.96 : 1	Will be evaluated later by BWDB's concerned directorate & IMED.
(2) Internal Rate of Return (i) Financial (ii) Economic	(2) Internal Rate of Return (i) Financial = 24.04% (ii) Economic = 29.27%	

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

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F. MONITORING AND AUDITING

1. Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(a) Ministry / Agency :			
Md. Shofiqul Islam Senior Assistant Secretary, MoWR	20-04-2021	Delay on construction of Ghatla	Construction of Ghatla should be completed as soon as possible.
(b) IMED :			
(c) Others: (Please specify)			
Md. Rafique Ullah Addl. Chief Engineer South-Western Zone, BWDB, Khulna	10-03-2020	No major findings	-
Md. Abul Hossain Superintending Engineer Khulna O&M Circle BWDB, Khulna	10-03-2020	No major findings	-
Md. Abul Khaer Project Director	10-05-2021	No major findings	-
Md. Abul Khaer Project Director	02-03-2020	No major findings	-

2. Auditing during and after Implementation:

2.1. Internal Audit:

Period of Audit	Date of submission of Audit Report	Major findings/ Objections	Whether objections resolved or not.
1	2	3	4
No internal audit done during the project implementation period.			

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	18-05-2021	Contractor did not submit insurance documents.	Replies of audit objections have been submitted but not yet resolved.

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G. DESCRIPTIVE REPORT:

01. General Observations / Remarks of the Project on:

1.1. Background:

The Project Area is located at the Western part of Satkhira District under Debhata upazilla. The Ichamati River flows through the confluence of Bangladesh and India. To prevent the intrusion of saline water into the polder area, protective works is required to implement along the left bank of Ichamati river. Otherwise, various types of installations, residences, mosques, BGB offices, markets, schools, temples, roads, highways and surrounding areas will be damaged around Tk. 8410.00 Lac.

1.2. Justification / Adequacy:

Bangladesh is a riverine country and Satkhira district is criss crossed with rivers, khal and beel/wet land. The Ichamati River flows through the confluence of Bangladesh and India. To prevent the intrusion of saline water into the polder area, protective works of 0.660 km is required to implement along the left bank of Ichamati river.

1.3. Objectives:

- To mitigate the reduction of the main land Area of Bangladesh by protecting river erosion as the project area is located in Border area.
- Due to the implementation of protective works in the project area, various types of installations, residences, mosques, BGB offices, markets, schools, temples, roads, highways and surrounding areas will be saved around Tk. 8410.00 Lac.
- If the proposed protective work is implemented, it will be possible to prevent saline water intrusion inside the polder.

1.4. Project revision with reasons: N/A.

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

Bangladesh is a riverine country and Satkhira district is criss crossed with rivers, khal and beel/wet land. The Ichamati River flows through the confluence of Bangladesh and India. To prevent the intrusion of saline water into the polder area, protective works of 0.660 km is required to implement along the left bank of Ichamati river

In this context, there have been growing concern and reassessment of the economic and socio-political benefits of protecting important towns, infrastructure, hats and bazaars as well as agricultural land. The issue has been given due to importance in the national planned documents for water sector.

The Present construction work components have been incorporated in the DPP in accordance with approved design & drawing by Design Circle V, BWDB, Dhaka at DPP preparation time, but on working time, all design of the works reviewed by Design Circle-V of BWDB on the basis of latest river morphology, location and time.

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

Project Identification:

The Project Area is located at Nangla, along the left side of Ichamati river of Satkhira District under Debhata upazila. Main components of this project are to construct 0.660 km protective works along the Ichamati river

Project Preparation:

Satkhira O&M Division 1, BWDB, Satkhira prepared the project according to the approved technical report. Then DPP of the project was processed for approval.

Appraisal/ PEC Meeting in Planning Commission:

The PEC meeting of original DPP was held on 18-11-2018 at Planning Commission. As per decision of PEC meeting the DPP was corrected and sent to the Planning Commission 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 Planning Commission on 29-01-2019. No cost time extension for a year, was approved by MoWR on 21-06-2020.

Others (if any): Nil.

04. 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.**

Stakeholders are directly taking advantages of the created facilities of the project.

4.3. **O &M Programme of the project.**

After complementation 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:

- The reduction of main land area of Bangladesh has been mitigated by protecting river erosion.
- It has been possible to prevent the intrusion of saline water into the polder area.
- Various types of installations, residences, mosques, BGB offices, markets, schools, temples, roads, highways and surrounding areas has been saved of around Tk. 8410.00 Lac.

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4.4.2. Indirect:

- Socio-economic condition has improved in the project area.
- Environmental 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 is a possibility of self employment as transport facilities for agricultural productions, fish, afforestation & livestock product has been developed.

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 Socio- Economic activity:

By increasing production of crops and developing fish culture, 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, and religious leader's women's representatives etc.

Positive approach regarding the project.

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

Not Applicable.

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

- 5.1 Project Management : Not Applicable.
- 5.2 Project Director : Not Applicable.
- 5.3 Land Acquisition : Not Applicable.
- 5.4 Procurement : Not Applicable.
- 5.5 Consultancy : Not Applicable.
- 5.6 Contractor : Not Applicable.
- 5.7 Manpower : Not Applicable.
- 5.8 law & Order : Not Applicable.
- 5.9 Natural calamity : The embankment was severely damaged by Cyclone Amphan. But Our goodwill and strict surveillance, finally the work was implemented successfully.
- 5.10 Project financing, allocation and release. : Not Applicable.
- 5.11 Design formulation/approval : Not Applicable.
- 5.12 Project aid disbursement and re-imbursment : Not Applicable.
- 5.13 Mission of the development partners. : Not Applicable.
- 5.14 Time & Cost Over-run : Due to COVID-19 situation.
- 5.15 Project Supervision/Inspection : Not Applicable.
- 5.16 Delay in Decision : Not Applicable.
- 5.17 Transport : Not Applicable.
- 5.18 Training : Not Applicable.
- 5.19 Approval : Not Applicable.
- 5.20 Others. : Not Applicable.

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6. **Remarks & Recommendations of the Project Director:**

The overall objectives of this project has been achieved after implementation of protective works. During implementation of this project, COVID-19 spreads out and workers left the work site. Work progress was hampered due to lack of adequate numbers of workers. The workers who staying at the site were forcibly stopped by the local administration. The raw materials stone chips for preparation of CC Block were collected from Bhomra land port, which was imported from neighboring country India. But after the onset of Corona disaster, import/export activities of Bhomra land port were limited and it was not possible to procure enough stone chips. If stone chips is procured from Sunamganj/Sylhet, it requires to carry by ship following a interboundary river Ichamati. Char has been formed on the Bangladesh side of the river Raymangal on the border of Satkhira district. Hence, ships need to sail for a long time to the neighboring country of India to get adequate drift. Shipowners were reluctant to bring stones for the safety of ships as they have to move other country side area. Moreover, project area was severely damaged by consecutive cyclones Bulbul, Amphan and Yaas. Works have been completed successfully by overcoming all these obstacles. Various types of installations, residences, mosques, BGB offices, markets, schools, temples, roads, highways and surrounding areas has been saved around Tk. 8410.00 Lac and has been possible to prevent saline water intrusion inside the polder.

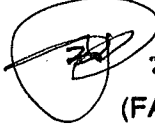
Date 09.09.2021


9-9-2021
(Md. Abul Khaer)
Executive Engineer
Satkhira O&M Division-1
BWDB, Satkhira
&
Project Director

7. Remarks/ Comments of Agency Head.

The project has been implemented in the south-western border area of Bangladesh. It was scheduled to be completed by June 2020. Nevertheless, due to the emergence of Covid-19 in Bangladesh in March 2020 and incurred damage of implemented works due to super cyclone Amphan in May 2020, the project couldn't be completed in the scheduled time. Therefore, the project period was extended to one year. The protective works of the project provide a safeguard against the riverbank erosion of various types of installations, residences, mosques, BGB offices, markets, schools, temples, roads, highways and surrounding areas worth 8410.00 lakh taka.

Date

 22/09/2022
(FAZLUR RASHID)
Signature Director General
BWDB, Dhaka.

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

Date

Signature and Seal