



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT (PCR)

OF

**"PROTECTION OF LEFT BANK OF MEGHNA RIVER THROUGH BANK
REVTMENT WORK AT MANIKNAGAR OF NABINAGAR UPAZILA IN
BRAHMANBARIA DISTRICT."**

Division : Brahmanbaria WD Division, BWDB, Brahmanbaria.

Circle : Cumilla O&M Circle, BWDB, Cumilla.

Zone : Eastern Zone, BWDB, Cumilla.

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** : Protection of left bank of Meghna river through Bank
Revetment work at Maniknagar of Nabinagar Upazila in
Brahmanbaria District.
02. **Administrative Ministry/Division** : Ministry of water Resources.
03. **Executing Agency** : Bangladesh water development Board.
04. **Location of the Project** : District: Brahmanbaria, Upazila- Nabinagar.
05. **Objective of the Project** :

The main objective of the project is to uplift economic condition and living standard of the population through implementing protective work on left bank of Meghna river near Maniknagar bazar area at Nabinagar upazila of Brahmanbaria district. Elaborately the objectives are:

- To protect valuable cultivable land along with the important establishments valued of Tk. 12367.00 lakh situated in the left bank of Meghna river like hat-bazar; school, union parishad, health complex, road, mosque, madrasa, homestead of villagers from the left bank erosion of Meghna river;
- To reduce intensity of floods, damages to crops, properties and human sufferings etc;
- To augment agricultural productivity and acceleration of other economic activities;
- To improve farm and off-farm income through creation of employment opportunities for the local people hence their living standard will be enhanced.

06. Estimated Cost:

(In lakh Taka)

	Original	Latest Revised
(a) Total	3649.38	-
(b) Taka	3649.38	-
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. **Date of Approval** : PCP PP
- (a) **Original** : - 13/05/2015
- (b) **Latest Revised** : -

B. IMPLEMENTATION POSITION

01. Implementation Period:

Implementation Period as per PP		Actual Implementation Period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
April 2015 to June 2017	April 2015 to June 2018	April 2015 to June 2018	44.44%	Time extended without increasing cost.

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	3649.38	-	3332.86	-	-
TAKA	3649.38	-	3332.86	-	-
PA	-	-	-	-	-

03. Project Personnel:

Sanctioned strength as per PP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per pp	Existing manpower for O & M	Others		
1	2	3	4	5	Male	Female
Officer (s)	Existing manpower of implementing agency 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/ 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	Not Applicable				
b. Local	Not Applicable				

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						
Petrol/fuel for existing vehicle	LS	2.50	1 item	2.50	1 item	
Printing/publication of Tender Document	LS	1.50	1 item	1.43	1 item	
Stationary seals and stumps	LS	2.50	1 item	2.50	1 item	
Honorarium/Fees/Remuneration	LS	3.00	1 item	1.23	1 item	
Honorarium/Fees/Remuneration (Honorarium for Mid-Term evaluation)	LS	3.00	1 item	-	-	
Survey & Investigation	LS	3.00	1 item	2.99	1 item	
Motor vehicles Repair & maintenance of Existing vehicles.	Nos	4.00	1 item	4.00	1 item	
Sub-total Revenue (A):		19.50		14.65		
B) Capital component						
Acquisition of Assets						
Motor vehicles Jeep made by Progoti	Nos	75.00	1 item	71.87	1 item	
Engineering equipment level machine with accessories	Nos	1.50	1 item	1.36	1 item	
Computer with laser printer & accessories.	Nos	0.70	1 item	0.41	1 item	
Protective work at left bank of Maniknagar.	Meter	3482.38	1275.00	3243.99	1275.00	Due to formation of a little Char at D/S of Launch ghat of package no-W-01. so some Pitching & dumping blocks were saved
Total		3559.88		3318.22		
Total (A+B)		3579.38	100.00%	3332.86	96.00%	

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.Nurul Amin Superintending Engineer(Scale 50000-71200)	Yes	-	Yes	12-04-2015	04-10-2017	
Md. Zohirul Islam Superintending Engineer(Scale 50000-71200)	Yes	-	Yes	22-10-2017	Till date	

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
Jeep	1	1 (25/06/15)	-	-	-	Chief Engineer Easternzone.cumilla

8. Procurement of Goods, Works and Consultancy Services:

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

Description of procurement (goods/works/consultancy) as per bid document	Tender/Bid/ Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/LC opening date	As per contract	Actual
1	2	3	4	5	6	7
Bank protection work along the left bank of Meghna river from km. 1.3305 to km.1.3555 =25.00m. at Gourangota in Kasba upazila of Brahmanbaria district under Brahmanbaria, WD Division, BWDB, Brahmanbaria during the year 2016-17, (Tender ID No-82310, package no-BB/NDR/W-01/2016-17).	11.18	11.05	4/11/2.015	03/02/2016	30/4/2017	30/06/2018
Bank revetment work along the left bank of Meghna river from km. 0.305 (U/S) to km. 0.790 (U/S) =485m at Maniknagar in Nabinagar upazila of Brahmanbaria district under Brahmanbaria, WD Division, BWDB, Brahmanbaria during the year 2015-16 & 2016-17, Tender ID No. 35714 (Package/Contract No-Works-02).	11.52	11.39	4/11/2.015	03/02/2016	30/4/2017	30/06/2018
Bank revetment work along the left bank of Meghna river from km. 0.790 (U/S) to km. 1.185 (U/S) = 395m with end termination at Maniknagar upazila of Brahmanbaria district under Brahmanbaria, WD Division, BWDB, Brahmanbaria during the year 2015-16 & 2016-17, Tender ID No. 35715 (Package/Contract No-Works-03).	11.65	11.52	4/11/2.015	03/02/2016	30/4/2017	30/06/2018

8.2 Use of Project Consultant (s) (Foreign/Local):

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:	Not Applicable			
b) Local:	Not Applicable			

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
Not Applicable						

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
2014-2015	100.00	100.00	-	2.80	-	-	-	-
2015-2016	2083.50	2083.50	-	58.20	-	-	-	-
2016-2017	1395.98	1395.98	-	39.00	-	-	-	-
2017-2018	-	-	-	-	-	-	-	-
Total	3579.38	3579.38	-	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
2014-2015	-	-	-	-	-	-	-	-	-
2015-2016	278.00	278.00	-	7.57%	277.15	276.41	276.41	-	7.57%
2016-2017	2600.00	2600.00	-	72.43%	2599.00	2577.22	2577.22	-	72.43%
2017-2018	553.00	553.00	-	20.00%	552.15	479.23	479.23	-	16.00%
Total=	3431.00	3431.00	-	100.00%	3428.40	3332.86	3332.86	-	96.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
To protect valuable cultivable land along with the important establishments situated in the left bank of Meghna river like hat-bazar; school, union parishad, health complex, road, mosque, madrasha, homestead of villagers from the left bank erosion of Meghna river.	Important business centers, markets, homesteads, agricultural land, Upazila Health Complex, schools and other government offices including all other immovable public and private properties situated at Maniknagar, Upazila-Nabinagar District- Brahmanbaria. areas as mentioned in the DPP have been saved.	No shortfall.
To reduce intensity of floods, damages to crops, properties and human sufferings etc.	Safeguard provided against flood damage, river erosion threat on agricultural land, public & private properties and human suffering.	
To augment agricultural productivity and acceleration of other economic activities.	Increase in agricultural productions & local business. Increase of fish production in the project area.	
To improve farm and off-farm income through creation of employment opportunities for the local people hence their living standard will be enhanced.	Employment opportunity for men & women was created at the construction phase of the project. Migration of people is not seen due to protection of river erosion and migrating people returned their house. Land value has increased in that area. Livelihood opportunities have been explored.	

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).
Agricultural land saved	Ha	1600	1500
Roads Saved	km	45	40
Homestead saved	nos	1000	1000
Crops saved per year	MTon	350	300

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project		Actual Cost / Benefit will be evaluated later by concerned directorate & IMED.
(i) Financial	1.18 : 1.00	
(ii) Economic	1.38 : 1.00	
(2) Internal Rate of Return		
(i) Financial	15.28 %	
(ii) Economic	18.78 %	

03. Please give reasons for shortfall, if any, between the estimated and actual benefit: Does not arise.

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:			
-	-	-	-
(b) IMED:			
Mr. Md. Tanvir Akkas Asst Director, IMED, Planning Commission, Dhaka	31/01/2017	প্রকল্পের ২ ও ৩ নং প্যাকেজের কাজ দ্রুত চলছে। তবে ১ নং প্যাকেজের কাজে কিছুটা গত কম মনে হয়েছে।	১ নং প্যাকেজের কাজের গতি বৃদ্ধি করতে হবে। * কাজের অগ্রগতি বৃদ্ধি করে প্যাকেজটির কাজ সমাপ্ত করা হয়েছে।
Md. Afzal Hossain	19/9/2017	১। প্রেসিংকৃত কিছু কিছু ব্লকের মধ্যে ফাক বেশী রয়েছে। ২। প্রেসিং কৃত ব্লক সমূহের মধ্যে বেশ কিছু যায়গা দেবে গেছে।	১। শুষ্ক মৌসুমের সুবিধাকে কাজে লাগিয়ে জরুরী ভাবে ব্লক নির্মাণ ও প্রেসিং সহ আনুসাংগিক কাজ দ্রুত সম্পন্ন করতে হবে। ২। ডিজাইন স্পেসিফিকেশন মোতাবেক কাজ করতে হবে। * ডিজাইন ও স্পেসিফিকেশন মোতাবেক কাজ বাস্তবায়ন করা হয়েছে।

02. 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 has been conducted.			

2.2. External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections		Whether objections Resolved or not.
		Para	Title	
2015-16	13/04/2018	02	শিরোনাম : কমিটির সামনে ডাম্পিং না করেই সিসি ব্লক সরবরাহ বাবদ ১০,৪০,৯৪,৪৪৮.০০ টাকা ঠিকাদারদের অনিয়মিত বিল পরিশোধ। বিবরণ : এতে দেখা যায় যে, পূর্ত কাজের সরবরাহকৃত সিসি ব্লক গুলো কমিটির সামনে ডাম্পিং না করেই ঠিকাদারকে অনিয়মিত ভাবে ১০,৪০,৯৪,৪৪৮.০০ টাকার বিল পরিশোধ করা হয়েছে। এ ক্ষেত্রে টাক্সফোর্স কমিটির প্রত্যয়ন ব্যতীত উদ্দেশ্যমূলকভাবে ডাম্পিং কাজ সম্পন্ন করা হয়েছে। স্থানীয় অফিসের জবাবঃ কমিটির সামনে ডাম্পিং না করার সিসি ব্লক ব্লক সরবরাহ ঠিকাদারকে অনিয়মিত বিল পরিশোধের আনিত অভিযোগের প্রেক্ষিতে জানানো যাচ্ছে যে, টাক্সফোর্স কর্তৃক ব্লকসমূহ তৈরীর পর ডাম্পিং কাজ সম্পন্ন করা হয়। যেহেতু কাজটি শুরু থেকে শেষ পর্যন্ত ব্লক গননা ও কোয়ালিটি কন্ট্রোল টাক্সফোর্স কর্তৃক নির্ধারণ করা হয় সেহেতু ডাম্পিং প্রক্রিয়া ও যথাযথ ভাবে সম্পন্ন করা হয়। এমতাবস্থায়, উত্থাপিত আপত্তি হতে অব্যাহতি প্রদান করার জন্য অনুরোধ করা হলো। শিরোনাম : কাজে জিও ব্যবহৃত জিও ব্যাগের মান ল্যাবরেটরি টেস্টে উত্তীর্ণ না হওয়া সত্ত্বেও উহার বিল বাবদ ঠিকাদারকে ৭৯,৪৪,৬২৭.০০ টাকা পরিশোধ করা হয়েছে। বিবরণ : কাজে জিও ব্যবহৃত জিও ব্যাগের মান ল্যাবরেটরি টেস্টে উত্তীর্ণ না হওয়া সত্ত্বেও উহার বিল বাবদ ঠিকাদারকে ৭৯,৪৪,৬২৭.০০ টাকা পরিশোধ করা হয়েছে। স্থানীয় অফিসের জবাবঃ প্রতিরক্ষামূলক কাজের জিও ব্যাগের মান ল্যাবরেটরি টেস্টে উত্তীর্ণ না হওয়া সত্ত্বেও বিল প্রদান করা হওয়ার অভিযোগ আনা হয়েছে। এর পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, জিও ব্যাগের নমুনা পরীক্ষার জন্য বুয়েটে ল্যাবরেটরি প্রেরণ করা হয়েছে। প্রাপ্ত টেস্ট রেজাল্টের পর্যালোচনা করে স্পেসিফিকেশন অনুযায়ী হওয়ায় এবং টাক্সফোর্স কর্তৃক গৃহীত হওয়ায় জিও ব্যাগ ব্যবহৃত হয়েছে। এমতাবস্থায়, আপত্তিটি প্রত্যাহার করার জন্য অনুরোধ করা হলো।	দ্রিপক্ষীয় সভায় আপত্তিটি প্রত্যাহারের ব্যাপারে ঐক্যমত্য হয়েছে।

Reply Submitted to Audit Directorate of 'Not Resolved' objections. These are under discussion/ negotiation to be 'Resolved' as early as possible.

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project:

1.1 Background

Bangladesh is a riverine country and the rivers carry huge discharge during monsoon. Bank line erosion of different river has been a recurrent effect by shifting the flow way of the riverbed or widening the flow passage is a common phenomenon for all rivers. Devastating erosion of the Meghna river has been considered as the main threat of the proposed project area. Meghna is one of the largest river in Bangladesh. The Borak river originates from Assam and enters into Bangladesh in Sylhet District and it divides into two courses namely Surma and Kushiya. The flow of Surma and Kushiya coincide one another at Azmirigonj upazila in Habigonj District. Then the combined flow passes to the downstream as Kalni river and at Astagram in Kishoreganj District the river named as Meghna and it falls into the Bay of Bengal by passing through Chandpur District. The heavy rainfall of Assam and Meghalaya of India passes through the Meghna. In the rainy season heavy rainfall causes severe bank erosion due to heavy wave thrust. Thousands of people became homeless and landless due to river bank erosion. Lives, properties and natural hazards due to continued severity of erosion of the Meghna river at Maniknagar and Borikandi were being affected and had been endangered. Therefore, thousands of inhabitants of the project area panicked and felt insecure. In these circumstances, the Honorable State Minister for Ministry of Liberation War Affairs of Bangladesh during his visit to Brahmanbaria on 10.08.2010 requested to take necessary action to protect the Maniknagar and Borikandi area from the erosion and wave thrust of Meghna 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 river is so large that there is recurrence of floods every year. Sometimes it become very severe and causes immense damages impacted by occurrence of devastation 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.

Meghna river's left bank near Brahmanbaria district is severe erosion prone. Every year thousands of people became homeless and landless due to river bank erosion. Lives, properties and natural hazards due to continued severity of erosion of the Meghna river at Maniknagar and Borikandi were being affected and had been endangered. Under these circumstances, the project was taken. Important business centers, markets, homesteads, agricultural land, Upazila health complex, schools and other government offices including all other immovable public and private properties worth 123.67 crore taka have been saved at the project area. Thus uplifting of economic condition & living standard of the inhabitants has been made possible. The project has improved environmental and social impacts & preserved biodiversity. The project complies with government's Seventh Five Year Plan (SFYP) & 6 goals of SDG (1.5, 2.4, 6.5, 6.6, 11.5 & 12.2).

1.3 Objectives

The main objective of the project was to uplift economic condition and living standard of the population through implementing protective work on left bank of Meghna river near Maniknagar bazar area at Nabinagar upazila of Brahmanbaria district. Elaborately the objectives were:

- To protect valuable cultivable land along with the important establishments valued of Tk. 12367.00 lakh situated in the left bank of Meghna river like hat-bazar; school, union parishad, health complex, road, mosque, madrasa, homestead of villagers from the left bank erosion of Meghna river;
- To reduce intensity of floods, damages to crops, properties and human sufferings etc;
- To augment agricultural productivity and acceleration of other economic activities;
- To improve farm and off-farm income through creation of employment opportunities for the local people hence their living standard will be enhanced.

1.4 Project revision with reasons

The project didn't require any revision.

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

Meghna river at Brahmanbaria district is severely erosion prone. River bank erosion at Maniknagar & Borikandi of Nabinagar upazila of Brahmanbaria district needed immediate attention. The project was prepared with a view to providing the safety of local community from the threat of river bank erosion. This project aimed at constructing a permanent protective work not only to act as a safeguard against the adverse effect of river erosion but also to reconstruct the sustainable growth of surrounding socio economic life with a new hope. So BWDB launched the project on proper time & at proper location. The project concept is justified. If BWDB hadn't addressed the bank erosion problem then, the consequences could have been fatal. The project was implemented according to approved design & specification. Per meter unit cost for the implemented revetment work has been 2.54 lakh taka which is very reasonable for Meghna river which carries tremendous flow from April to end of monsoon each year & has tidal influence twice a day. So it can be said that BWDB had designed the project cost-effectively.

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

◆ Project Identification:

The project is located on left bank of Meghna river at Maniknagar & Borikandi of Nabinagar upazila of Brahmanbaria district. After continuing bank erosion incidents, Honorable State Minister, Ministry of Liberation war Affairs had visited the place on August, 2010 & requested BWDB to take proper measures. Accordingly Brahmanbaria WD Division, BWDB, Brahmanbaria took the initiative.

◆ Project Preparation:

Upon field necessity, BWDB formed a technical committee for formulation of the project proposal. The committee visited the erosion prone area & submitted their technical report. On the basis of that report, the DPP was prepared & was processed for approval.

♦ Appraisal	: The appraisal meeting was held on 23/9/2014 at Planning Commission.
♦ Credit Negotiation	: N/A
♦ Credit Agreement	: N/A
♦ Credit Effectiveness	: N/A
♦ Loan Disbursement	: N/A
♦ Loan Conditionalities	: N/A
♦ Project Approval	: The project was approved on 13/04/2015 by Honorable Minister, Ministry of Planning.
♦ Others (if any)	: N/A

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

4.3 O & M programme of the project- Operation and maintenance programme will be arranged from revenue budget of BWDB.

4.4 Impact of the project -

4.4.1 Direct

- Protecting valuable cultivable land along the important establishments valued tk.12500 lac situated in the left bank of Meghna river and safe hat-bazar; school, union parisod, health complex, road, mosque, madrasa, homestead of villagers from the left bank erosion of Meghna River.
- Increase of agricultural productivity, fish production and other economic activities in the project area.
- Employment generation for skilled/unskilled labour.
- Land value increased.
- Local Migration has stopped.

4.4.2 Indirect

- Socio-economic development.
- Bio-diversity preservation.

4.5 Transfer of Technology and Institutional Building through the project- N/A

4.6 Employment generation through the project.

Employment opportunity for men and women was created at the construction phase of the project. Now after implementation of the project, the nearby localities are saved from river bank erosion & different employment opportunities will be explored for them.

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 is possibility of women-employment through the project.

4.9 Women's participation in development

Women and children are most vulnerable to any type of disaster. Post project condition will improve river erosion hazards. Thus, ultimately create safe and healthy environment for women and children. Also, employment opportunity for women will be enhanced at the construction phase of the project. Thus, the project will have positive impact on women and children.

4.10 Probable Impact on Socio-Economic activity

At post project condition due to reduction of erosion and flood hazard investment will be encourage and productivity in all spheres will ultimately be increased. Also, after implementation of the project financial security will be achieved and out of that institutional development like growth centers, educational institutions, health and family planning centers and many more will definitely be established.

4.11 Impact on environment

The project has no adverse effect on environment. The project is to provide safety to human lives, properties and to enhance economic activities as well as natural and environmental balance against devastating river erosion. Thus the overall environmental balance in region is restored.

4.12 Sustainability of the project

The project has been completed as per approved DPP and as per design & specifications. It will be a sustainable project.

4.13 Contribution to poverty alleviation/reduction

Project activities created employment opportunities which would contribute to the achievement in poverty alleviation.

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

Local representative such as Member of Parliament, local elite, local administration, teachers, religious leaders, women's representative & local UP chairman have good idea about the project. They are very much happy with the project.

4.15 Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities- N/A

4.16

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

5.1	Project Management	5.11	Design formulation/approval
5.2	Project Director	5.12	Project aid disbursement and re-imburement
5.3	Land Acquisition	5.13	Mission of the development partners.
5.4	Procurement	5.14	Time & Cost Over-run
5.5	Consultancy	5.15	Project Supervision/Inspection
5.6	Contractor	5.16	Delay in Decision
5.7	Manpower	5.17	Transport
5.8	law & Order	5.18	Training
5.9	Natural calamity	5.19	Approval
5.10	Project financing, allocation and release.	5.20	Others.

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6. Remarks & Recommendations of the Project Director :

The project has been completed successfully. About 1250 meter length have been protected permanently from the erosion of the left bank of Meghna River permanently . As a result a Launch ghat Hat-Bazar; School, Union Parisod, Health Complex, Road, Mosque, Madrasha, Homestead of Villagers are safe from the left bank erosion of Meghna River and also reduce floods, human sufferings and increase acceleration of economic activities. It is required to maintenance the protective work every after 3(three) years and the O&M budget is very important for smooth Operation and Maintenance of that Project.

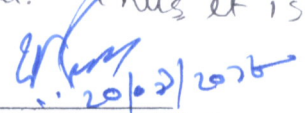
Date:


(Md. Zohirul Islam)
12/09/2018
Superintending Engineer
Cumilla O&M Circle
BWDB, Cumilla
&
Project Director.

7. Remarks/Comments of Agency Head

This project has protected Maniknagar Bazar, BIWTA ghat and adjacent areas from devastating left bank erosion of Meghna river. About 1500 ha. of agricultural land, 40 km of roads and more than 1000 homesteads have been saved. Annual production on saved agricultural land is 300 Metric Ton. Monetary value of the properties saved by this project is approximately 123.67 crore taka. Thus it is a successful project.

Date :


Signature and Seal
(Md. Mahfuzul Karim)
Director General
BWDB, Dhaka.

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

Date :

Signature and Seal