

2012-13

## BANGLADESH WATER DEVELOPMENT BOARD

**PROJECT COMPLETION REPORT : IMED-04**

Name of the Project : Bhairab Bandar Protection Project  
Project Period : April/2010 to June/2013

Name of Division : Kishoreganj WD Division, BWDB, Kishoreganj.  
Name of Circle : Mymensingh O&M Circle, BWDB, Mymensingh.  
Name Of Zone : Central Zone, BWDB, Dhaka.

Implementation Monitoring and Evaluation Division  
PROJECT COMPLETION REPORT : IMED 04/2003 (Revised)

**A. PROJECT DESCRIPTION :**

01. Name of the Project : "Bhairab Bandar Protection Project"
02. Administrative Ministry/Division : Ministry of Water Resource.
03. Executing Agency : Bangladesh Water Development Board.
04. Location of the Project : Upzilla: Bhairab, District: Kishoreganj.
05. Objective of the Project
- a) To protect important Government and private infrastructures, educational institutions, valuable properties of Bhairab Bandar and adjacent areas from devastating erosion of the river Meghna;
  - b) To protect electric tower related with the supply of electricity in the north- eastern and south-eastern part of Bangladesh from the bank erosion of the Meghna river;
  - c) The long-term objective of the project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Bhairab Upazila inclusive safeguard of the other infrastructures located in and around the project area.
  - d) Another important objective of the project is to reduce the natural environmental degradations as well as deleterious socio-economic impacts due to river erosion in the project area. Valuable lands and establishments located in the vicinity of the vulnerable eroding area with approximate total worth of Tk.14507.80 Lakh are expected to be saved through proper execution of the project.
  - e) To maintain ecological balance by tree plantation.
  - f) To alleviate poverty and generate employment opportunities.

06. Estimated Cost :

	Original	Latest Revised
(a) Total	2392.21	-
(b) Taka	2392.21	-
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. Date of Approval :

PCP	DPP
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(a) Original :

(b) Latest Revised :

17-05-2010

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5. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	April, 2010	June, 2011.
(b) Latest Revised	-	-
(c) Actual	April, 2010	June, 2013.

09. Financing Arrangement (Source-wise) :

9.1 Status of Loan/Grant

a) Foreign Financing :

Source (s)	Currency as per Agreement	Amount in US \$ (Million)	Nature (Loan/Grant/supplier's/credit)	Date of Agreement	Date of Effective -ness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8
N/A							

b) GOB :

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
2392.21	-	2392.21	-

(In lakh Taka)

9.2 Utilization of Project Aid : (Source wise)

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
GOB	-	239.221	-	223.233	-	15.988

(In million)

9.3 Re-imbursible Project Aid (RPA):

R P A Amount		Amount Spent	Amount Claimed	Amount Re-imbursed	Remarks
As per DPP	As per Agreement				
1	2	3	4	5	6
N/A					

(In lakh Taka)

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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
April, 2010 to June, 2011	-	April, 2010 to June, 2013	160%	

### 02. Cost of the Project :

Description	Estimated Cost		Actual expenditure	(In lakh Taka)	
	Original	Latest revised		Cost over-run (% of original cost)	Remarks
1	2	3	4	5	6
TOTAL	2392.21	-	2232.33	-	Project completed
TAKA	2392.21	-	2232.33	-	Project completed
PA	-	-	-	-	-

### 03. Project Personnel :

Sanctioned strength as per DPP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per DPP	Existing manpower for O & M	Others		
1	2	3	4	5	Male	Female
Officer (s), 18	12 Nos.	18 Nos.	12 Nos.	-	-	-
Staff(s) , 16	8 Nos.	16 Nos.	8 Nos.	-	-	-
Total , 34	20 Nos.	34 Nos.	20 Nos.	-	-	-

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

Field of Training /Study tour/workshop/ Seminar etc.	Provision as per DPP		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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65. Component-wise Progress (As per approved DPP) :

Items of work (as per DPP)	Unit	Target (as per DPP)		Actual Progress		(In lakh Taka) Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
<b>a) Revenue Component</b>						
Petrol and lubricant	item	3.00	1 item	2.49	1 item	-
Survey & Investigation	item	1.50	1 item	1.49	1 item	-
Sub-Total (a)		4.50		3.98		
<b>b) Capital Component</b>						
<b>Acquisition of Assets.</b>						
Jeep (3500cc, 5 door)	Nos	45.00	1 No	44.90	1 No	Purchased
Motor Cycle 125 C.C.	Nos	1.25	1 No	1.25	1 No	Purchased
Survey equipments (Leveling Instrument 2nos, Plan Table 1no. Hand GPS with accessories 1 no.)	Set	3.00	1 Set	2.91	1 Set	Purchased.
Computer and Accessories, 1 No.	Nos	1.00	1 No	0.98	1 No	Purchased.
Tree Plantation	Nos	2.79	2280 nos	0.00	-	-
<b>Construction of civil Works.</b>						
Office cum Inspection Banglow (300 sq. m.) for SDE, Bhairab)	Sqm	60.00	300 sqm	-	-	Office cum Inspection Banglow (300 sq. m.) for SDE, Bhairab was not constructed because of land dispute problem (court case running) in BWDB's own land in Bhairab upazilla.
Bank Revetment Work (1876 m) with Stair (4 nos.)	m & nos	1933.54	1876 m & 4 Nos	1887.16	1876 m & 4 Nos	Due to change in design expenditure is decreased.
Construction of Road (700 m)	m	164.78	700m	164.78	700m	Completed.
Construction of Walkway (1640 m)	m	79.83	1640m	76.91	1580m	60m walkway was not constructed because obstacle of local people and also presence of shop/ store house in site.
Construction of Ramp (1 no.)	nos	32.06	1 no	-	-	Construction of Ramp is not possible due to presence of shop, storehouse and business stores near working site and due to obstacle of local people.

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Construction of Drain (438 m) and Drainage Outlet (5 nos)	m & Nos	49.46	438m & 5 Nos	49.46	438m & 5Nos	Completed.
Sub Total (B)		2372.71		2228.35		
C) Physical Contingency	item	5.00	1 item	-	-	-
D) Price Contingency	1 item	10.00	1 item	-	-	-
Grand total		2392.21		2232.33		

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
Nazmul Haque Superintending Engineer	-	Yes	-	30-07-2009	25-09-2011	-
MD. Rafiqul Islam Superintending Engineer	-	Yes	-	25-09-2011	12-09-2013	-

07. Procurement of Transport (in Nos.) :

Type of transport	Number as per D.P.P.	Procured with date	Transferred to Transport Pool with date	Transferr ed to O & M with date	Condemned/ damaged with date	Remarks
1	2	3	4	5	6	7
Car	-	-	-	-	-	-
Jeep	1	12-06-10				
Microbus	-	-	-	-	-	-
Minibus	-	-	-	-	-	-
Bus	-	-	-	-	-	-
Pick-up	-	-	-	-	-	-
Truck	-	-	-	-	-	-
Motor Cycle	1	16-05-2011	-	-	-	-
By-cycle	-	-	-	-	-	-
Speed Boat	-	-	-	-	-	-
Launch	-	-	-	-	-	-
Others with name	-	-	-	-	-	-

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08. Procurement of Goods, Works and Consultancy Services:

8.1 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 DPP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Protective work with road, walkway from Ch. 0.00 m to Ch. 700 m and RCC box drain at Ch. 330.00m	547.60	502.08	10-10-2010	02-01-2011	30-06-11	28-02-13
Protective work, walkway and ramp with stair from Ch. 700.00 m to Ch. 1022.00 m	604.94	757.00	10-10-2010	01-01-11	30-06-11	30-06-13
Protective work with walkway and drain from Ch. 1022.00 m to Ch. 1460.00 m	703.22	553.78	10-10-2010	03-01-11	30-06-11	30-06-13
Protective work with walkway from Ch. 1460.00 m to Ch. 1640.00 m	268.51	252.87	10-10-2010	03-01-11	30-06-11	30-12-12

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

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

- a) Foreign : N/A  
b) Local : N/A

09. Construction/Erection/Installation Tools & Equipment :

Description of items	Quantity (as per DPP)	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. 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	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2009-2010	51.75	51.75	-	2.16%	-	-	-	-
2010-2011	2340.46	2340.46	-	97.84%	-	-	-	-
Total	2392.21	2392.21	-	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
2009-10	45.00	45.00	-	1.88%	45.00	45.00	45.00	-	1.88%
2010-11	500.00	500.00	-	20.90%	500.00	450.93	450.93	-	18.85%
2011-12	900.00	900.00	-	37.62%	900.00	900.00	900.00	-	37.62%
2012-13	870.00	870.00	-	36.37%	870.00	836.40	836.40	-	34.96%

### D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per DPP	Actual achievement	Reasons for shortfall, if any
a) To protect important Government and private infrastructures, educational institutions, valuable properties of Bhairab Bandar and adjacent areas from devastating erosion of the river Meghna	a) As per approved DPP, bank revetment work, road, drain, walkway etc. has been constructed as per design & specification. Therefore, Government & Private Infrastructure, valuable properties of Bhairab Bandar is saved.	-
b) To protect electric tower related with the supply of electricity in the north-eastern and south-eastern part of Bangladesh from the bank erosion of the Meghna river.	b) 02 (two) Nos Electric tower (National Grid Line) has been saved due to completion of revetment work as per DPP. Before starting of the work the electric tower was under threatening condition. So Completed Revetment work has been playing vital role to safe electric tower.	-

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c) The long-term objective of the project is to maintain socio-economic enhancement and safety of natural security in vast tract of area under Bhairab Upazila inclusive safeguard of the other infrastructures located in and around the project area.	c) After the completion of bhairab Bandar bank protective work, socio-economic condition of local people has developed and safety & safeguard for infrastructure for local and around the project area has developed.	-
d) Another important objective of the project is to reduce the natural environmental degradations as well as deleterious socio-economic impacts due to river erosion in the project area. Valuable lands and establishments located in the vicinity of the vulnerable eroding area with approximate total worth of Tk.14507.80 Lakh are expected to be saved through proper execution of the project.	d) After completion of Bhairab Bandar Bank Protective Work natural environmental degradations as well as deleterious socio-economic impacts due to river erosion has been reduced significantly. Valuable lands and establishments located near the project area with approximate total worth of Tk.14507.80 Lakh is saved after proper execution of the project.	--
e) To maintain ecological balance by tree plantation.	e) There are existing several tree plantation by public. So ecological balance has been achieved.	-
f) To alleviate poverty and generate employment opportunities.	f) Employment Opportunity generation and poverty alleviation is enhanced after successful completion of the work.	-

### 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).
a) Office cum Inspection Banglow (300 sq. m.) for SDE, Bhairab	nos	1 Nos & 300 sqm.	Office cum Inspection Banglow (300 sq. m.) for SDE, Bhairab was not constructed because of land dispute problem (court case running) in BWDB's own land in Bhairab upazilla.
(b) Bank Revetment Work (1876 m) with Stair (4 nos.)	m & nos	1876 m & 4 Nos.	1876 m revetment work & 4 nos stair has been constructed successfully.
c) Construction of Road (700 m)	m	700 m	700m road has been constructed successfully.
(d) Construction of Drain (438 m) and Drainage Outlet (5 nos.)	m & nos	438m & 5nos	438m drain & 5 nos outlet has been constructed successfully.

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(e) Construction of Walkway (1640 m)	m	1580m	1580m walkway has been constructed successfully.
(f) Construction of Ramp (1 no.)	1 nos	1nos	Construction of ramp is not possible due to obstacle of local public & presence shop, store house, business store etc near project area.

## 02. Cost / Benefit :

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial : 2.12 : 1.00	2.12 : 1.00	In field Situation Post evaluation or assessment not yet to be done by department. But in actual case Benefit cost ratio of the project will be reached as per DPP.
(ii) Economic : 2.75 : 1.00	2.75 : 1.00	
(2) Internal Rate of Return (IRR):		
(i) Financial : 31.15 %	31.15 %	
(ii) Economic : 42.50 %	42.50 %	

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

## F. MONITORING AND AUDITING

### 0.1 Monitoring:

Name & designation of the inspecting official.	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
a) MD. Azizul Haque, Director General, BWDB, Dhaka b) Sunil Baron Debroy, Additional Director General, BWDB, Dhaka c) Md. Mahtabuddin Chief Engineer, Central zone, BWDB, Dhaka d) Md. Rafiqul Islam, Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	19-04-13	-	-
a) Md. Mahtabuddin, Chief Engineer, Central zone, BWDB, Dhaka b) Md. Rafiqul Islam, Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	14-03-13	-	-
a) Md. Abdul Mannan, Additional Director General, BWDB, Dhaka b) Md. Rafiqul Islam, Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	19-01-13	-	-

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a) Sunil Baron Debroy, Chief Engineer Central zone, BWDB, Dhaka.	28-12-12	-	-
a) Md. Rafiqul Islam, Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	19-12-12	-	-
a) Alhaz Nazmul Hasan, Honourable Member of Parliament inaugurated the 700m Road	16-06-12	-	-
a) Md. Abdul Mannan, Additional Director General, BWDB, Dhaka. b) Md. Rafiqul Islam, Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	09-06-12	-	-
a) A.K.M Shohiduzzaman, Director General, BWDB, Dhaka b) Md. Abdul Mannan, Additional Director General, BWDB, Dhaka c) Sunil Baron Debroy Chief engineer, Central zone, BWDB, Dhaka d) Md. Rafiqul Islam, Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	19-05-12 & 28-04-12	-	-
a) Additional Director General, Planning, BWDB, Dhaka. b) Chief Engineer, Central zone, BWDB, Dhaka, c) Chief Engineer (Design), BWDB, Dhaka.	06-01-12	-	-
a) Sunil Baron Debroy, Chief engineer, Central zone, Dhaka.	29-11-11	-	-
a) The Honourable Member of Parliament, Bhairab and Deputy Commissioner, Kishoreganj.	24-09-11	-	-
a) Md. Abdul Mannan, Additional Director General, BWDB, Dhaka.	28-05-11	-	-
a) Sunil Baron Debroy, Chief engineer, Central Zone, BWDB, Dhaka.	03-03-11	-	-

(a) Ministry / Agency:

Pradip Kumar Mahottom, Deputy Chief of Ministry of Water Resource visited the site in June/2013.

(b) IMED: -

(c) Others: 03 (Three) nos Steering committee meeting under water resources Ministry was done.

0.2. 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
February, 2013	-	-	N/A

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## 2.2. External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
December, 2012	-	-	N/A

## G. DESCRIPTIVE REPORT

### 1. General Observations/Remarks of the Project on :

#### 1.1 Background

Bhairab Bazar is situated on the right bank of the Meghna river as well as at upstream of the confluence of the Meghna and Old Brahmaputra river in Bhairab Upazila under Kishoreganj district. Bhairab Bazar/Bandar is one of the important river port and center point of the industrial and commercial activities of the country. Bhairab Bazar has been vulnerable due to occurrence of recurrent bank erosion of the river Meghna with severe damages both public and private valuable properties. In 1984 the river erosion was found severe at **Tin Potty** of Bhairab Bazar. After that it was observed same at **Launch Ghat** in 1986, at upstream of **Railway Bridge** in 1987 and at **Gur Potty** in 1988 and occurred heavy damages of valuable assets.

Before completion of project condition of the river is very disappointing. The flowing line and pattern of the river course has been changed drastically due to deposition of soil in the river bed. The river morphology is quite different and the meandering character is significant that the line of the river almost paring along the right bank. As a result the entire bank as well as the Bhairab Bazar is under threat of erosion at different locations.

Before completion of project river bank erosion is at right bank of the Meghna river and downstream of railway bridge. The reasons of right bank erosion are (a) Changed velocity of water flow causes bank erosion due to construction of bridge pier over the Meghna river (b) Divided water flow causes bank erosion due to formation of submerged char at different locations of the river bed (c) Right bank erosion occurs due to wheeling flow at the confluence of the Meghna and Brahmaputra river and (d) For generation of wave due to movement of water traffic.

Before completion of project two electric tower of National Grid, public and private infrastructures, educational institutions etc are in risk of the river erosion. In such situation the Honorable Minister, Ministry of Water Resources, the local M.P. and officials of local administration and BWDB visited erosion site at Bhairab bazar on 30.08.2009. During the visit the Honorable Minister instructed to BWDB officials to take necessary protection measures to save Bhairab Bandar from the erosion of Meghna River. Accordingly, a Technical Committee was formed vide BWDB Secretariate Memo No.136-WDB (Sec.) Planning-1/Misce.-3/2002, dated 26.10.2009 for feasibility study. The Technical committee recommended to prepare a Development Project Proposal/Form (DPP) in the name of "Bhairab Bandar Protection Project" for protection of Bhairab bazar.

In this circumstances, it has been necessary to initiate immediate permanent protective measures against river erosion at the vulnerable locations. Otherwise the Bhairab Bandar and various important establishment of the area are supposed to be devouring into river. There is a long standing local, social and official demand for safety of lives and properties against river erosion hazards.



In such situation, Development Project Proposal (DPP) was formulated for protection of 1876m right bank of the river Meghna at total project cost of Tk. 2392.21 lakh including 2259.67 lakh for civil construction works.

### 1.2 Justification/Adequacy

Bangladesh is a densely populated country with poor natural resources base, lack of industrialization and vulnerability of natural disaster like flood, cyclone etc. made Bangladesh as one of the poorest country of the world. The major problems responsible for poverty include high level of landless, unemployment, illiteracy and malnutrition. The population area of the project is very dense (about 750 per square km.) and landless population is about 30%. Socio-economic development of the people through agricultural development is the main objective to alleviate poverty of the area. The proposed intervention has very little impacts or no negative impacts in an around area. The project will create new employment to the construction work mitigate the erosion of land.

### 1.3 Objectives

The main objectives of the project are:

- a) To protect important Government and private infrastructures, educational institutions, valuable properties of Bhairab Bandar and adjacent areas from devastating erosion of the river Meghna;
- b) To protect electric tower related with the supply of electricity in the north- eastern and south-eastern part of Bangladesh from the bank erosion of the Meghna river;
- c) The long-term objective of the project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Bhairab Upazila inclusive safeguard of the other infrastructures located in and around the project area.
- d) Another important objective of the project is to reduce the natural environmental degradations as well as deleterious socio-economic impacts due to river erosion in the project area. Valuable lands and establishments located in the vicinity of the vulnerable eroding area with approximate total worth of Tk.14507.80 Lakh are expected to be saved through proper execution of the project.
- e) To maintain ecological balance by tree plantation.
- f) To alleviate poverty and generate employment opportunities.

### 1.4 Project revision with reasons:

Project was not revised.

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

Bangladesh is a densely populated country with poor natural resources base, lack of industrialization and vulnerability of natural disaster like flood, cyclone etc. made Bangladesh as one of the poorest country of the world. The major problems responsible for poverty include high level of landless, unemployment, illiteracy and malnutrition. The population area of the project is very dense (about 750 per square km.) and landless population is about 30%. Socio-economic development of the people through agricultural development is the main objective to alleviate poverty of the area. The proposed intervention has very little impacts or no negative impacts in an around area. The project will create new employment to the construction work & mitigate the erosion of land.

### 3. Brief description on planning and financing of the project and its applicability: N/A

- Project Identification
- Project Preparation
- Appraisal
- Credit Negotiation
- Credit Agreement



In such situation, Development Project Proposal (DPP) was formulated for protection of 1876m right bank of the river Meghna at total project cost of Tk. 2392.21 lakh including 2259.67 lakh for civil construction works.

## 1.2 Justification/Adequacy

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## 1.3 Objectives

The main objectives of the project are:

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- c) The long-term objective of the project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Bhairab Upazila inclusive safeguard of the other infrastructures located in and around the project area.
- d) Another important objective of the project is to reduce the natural environmental degradations as well as deleterious socio-economic impacts due to river erosion in the project area. Valuable lands and establishments located in the vicinity of the vulnerable eroding area with approximate total worth of Tk.14507.80 Lakh are expected to be saved through proper execution of the project.
- e) To maintain ecological balance by tree plantation.
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## 1.4 Project revision with reasons:

Project was not revised.

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

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## 3. Brief description on planning and financing of the project and its applicability: N/A

- Project Identification
- Project Preparation
- Appraisal
- Credit Negotiation
- Credit Agreement



- ♦ Credit Effectiveness
- ♦ Loan Disbursement
- ♦ Loan Conditionalities
- ♦ Project Approval.
- ♦ Others (if any).

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, they have taken clear knowledge about the target/objectives of the project.
4.2	Programme for use of created-facilities of the project	The project will facilitated reducing the intensity of river bank erosion.
4.3	O & M programme of the project.	Will be done by BWDB
4.4	Impact of the project	
	Direct	Net financial benefit: 14507.80 lakh
	Indirect	Employment generation, enhancing socio-economic development.
4.5	Transfer of Technology and Institutional Building through the project	-
4.6	Employment generation through the project.	Positive
4.7	Possibility of Self employment	Positive
4.8	Possibility of women-employment opportunity	Positive
4.9	Women's participation in development	Positive
4.10	Probable Impact on Socio-Economic activity.	Positive
4.11	Impact on environment	Positive
4.12	Sustainability of the project	Proper O&M will ensure the project sustainability
4.13	Contribution to poverty alleviation/reduction	Poverty will be reduced due to income generation.
4.14	Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.	Public representatives, local elite, local administrative has congratulated BWDB officials for successfully completing the project.
4.15	Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities.	No overlapping with any NGO programmes

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

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

6. *Remarks & Recommendations of the Project Director/ Superintending Engineer :*

a) The main objection of the project is to protect Government and Private infrastructures, educational institutions, valuable properties of Bhairab Bandar and adjacent areas from devastating erosion of the river Meghna, After completion of component project such as 1876m bank protective work, 700m road 438m drain, 1580m walkway, flood outlet save and upgrade in frastructure facilities of Bhairab Bandar area.

b) Implementation of the project is to reduce the natural environmental degradations as well as deleterious socio-economic impacts due to river erosion in the project area. Valuable lands and establishments located in the vicinity of the vulnerable eroding area with approximate total worth of Tk.14507.80 Lakh are expected to be saved through proper execution of the project.

c) After completion of project, 02(two) electric tower related with the supply of electricity in the north eastern and south-eastern part of Bangladesh saved from the bank erosion of the Meghna river.

  
30.09.13  
Syed Hasan Imam, P.E.  
Executive Engineer  
Kishoreganj W.D. Division  
B.W.D.B. Kishoreganj

  
30/09  
2013  
\_\_\_\_\_  
Signature and seal of the Project Director/Superintending Engineer

7.

Remarks/Comments of Agency Head :

The main objective of the project is to protect Government and Private infrastructures, educational institutions, valuable properties of Bhairab Bandar and adjacent areas from devastating erosion of river Meghna. After completion of the project valuable land, infrastructures and properties of Bhairab Bandar area has saved. Implementation of the project has reduced the natural environmental degradation and improved socio-economic condition of locality. After completion of the project 02(two) electric tower related with the supply of electricity in the north eastern and south-eastern part of Bangladesh has saved from the bank erosion of the Meghna river through proper execution of the project.

Date.....

Signature and Seal

8.

Remarks/Comments of the Officer in charge of the Ministry/Division :

Date.....

Signature and Seal