



BANGLA DESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT (PCR)

OF

EXCAVATION OF A PILOT CHANNEL AT THE DOWNSTREAM OF FENI
REGULATOR UNDER SONAGAZI UPAZILA OF FENI DISTRICT AND BANK
PROTECTIVE WORKS ON THE LEFT BANK OF FENI RIVER AT
PASHCHIMJOAR UNDER MIRSARAI UPAZILA OF CHITTAGONG DISTRICT .

NAME OF DIVISION : FENI O&M DIVISION, BWDB, FENI.
NAME OF CIRCLE : FENI O&M CIRCLE, BWDB, FENI.
NAME OF ZONE : EASTERN ZONE, BWDB, COMILLA.

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	:	Excavation of Pilot Channel at the D/S of Feni Regulator under Sonagazi Upazilla of Feni District and Bank Protective work on the left bank of Feni River at Pashchimjoar under Mirshari upazilla of Chittagong District.
02. Administrative Ministry /Division	:	Ministry of Water Resources.
03. Executing Agency	:	Bangladesh Water Development Board.
04. Location of the Project	:	District: Feni, Chittagong, Upzila: Sonagazi, Mirsarai.
05. Objective of the Project	:	1. to stop the river bank erosion of Feni river at the downstream of Feni regulator upto its outfall at Sandwip channel and Muhuri accreted area - gross area 3315 ha; 2. to stop the river bank erosion at the left bank of Feni river at Pashchimjoar village in Korerhat Union; 3. to save the existing structures of BWDB like embankment, regulator, groynes; homesteads, valuable lands, madrasa, cyclone shelter, roads etc. from the major erosion of Feni river - approximate value Tk.34600.00 lakh; 4. to guide the flow of Feni river at the downstream of Feni regulator - length 5.00 km.

06. Estimated Cost

(In lakh Taka)

	Original	Latest Revise
(a) Total	6385.94	6620.93
(b) Taka	6385.94	6620.93
(c) Foreign Currency	-	-
(d) RPA	-	-

07. Date of Approval

PCP

PP

(a) Original

-

18/10/2011

(b) Latest Revised

-

19/03/2015

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
Oct' 2011 To June 2014	Oct' 2011 To June 2015	Oct' 2011 To June 2015	36.36%	

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	6385.94	6620.93	6570.91	(+) 2.90 %	
Taka	6385.94	6620.93	6570.91	(+) 2.90 %	
PA	-	-	-	-	

03. Project Personal :

Sanctioned strength as per PP	Manpower employed during execution	States of the existeng 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) Staff(S) Total :	The project has been implemented with the existing manpower of Feni O&M Division under Technical and administrative supervision of Superintending Engineer,Feni O&M Circle, BWDB,Feni.					

04. Training of project personal (Foreign/Local) : Not Scheduled on DPP/RDPP

Field of Training /study tore/ workshop/ seminar etc.	Provision as per- PP	Actual Man- Months	Remarks		
	Number of person		Number of person	Man- Months	
1	2	3	4	5	6

a. Foreign

b. Local

05. Component– wise Progress (As per latest approved pp):

Items of work (as per PP)	Unit	Target (as per PP)		Actual Progress		Remarks for deviation (+ -)
		Financial	Physical (Qty.)	Financial	Physical (Qty.)	
1	2	3	4	5	6	7
a. RevenueComponent :-						
Mathematical Modelling	1 item	59.00	1 item	59.00	1 item	
Petrol & Lubricant	1 item	4.50	1 item	4.50	1 item	
Printing & Publications	1 item	2.50	1 item	2.50	1 item	
Stationery, seal and stamps	1 item	2.00	1 item	2.00	1 item	
Survey & Investiation	1 item	3.00	1 item	3.00	1 item	
Repair for Transport and vehicle	1 item	2.50	1 item	2.50	1 item	
b. Capital Component :-						
Motor Cycle (125 CC)	Nos.	2.50	2 nos.	2.50	2 nos.	
Photocopier	Nos.	1.49	1 no.	1.49	1 no.	
GPS	Nos.	0.50	2 nos.	0.50	2 nos.	
Levelling Instrument with Stand	Nos.	2.00	2 nos.	2.00	2 nos.	
Computer with Laser Printer	Nos.	1.00	2 nos.	1.00	2 nos.	
Land Acquisition	Ha.	51.57	6.53 ha.	21.64	1.86 ha.	Due to change of location of Regulator, Link canal is not required as per recommendation of IWM. Hence, land acquisition area has been reduced.
Construction of works:						
1. Excavation of Pilot Channel from Km.0.000 to Km.3.000 at Downstream of Feni Regulator	km.	2348.58	3.00 km.	2348.12	3.00 km.	
2. Construction of Closure at Downstream of Feni Regulator	km.	869.36	0.410 km.	869.36	0.410 km.	
3. Construction of Guide Bundh from Closure to Pilot Channel	km.	153.66	1.300 km.	152.84	1.300 km.	
4. Protective Work at the Downstream of Feni Regulator from Km.0.00 to Km.0.650	km	1354.97	0.650 km	1353.00	0.650 km	
5. Excavation of Link Canal from Km.0.000 to Km.0.150 at Downstream of Feni Regulator	km.	16.81	0.150 km.	-	-	Due to change of location of Regulator, Link canal is not required.
6. Construction of Drainage Sluice (3 vent-1.50 m x 1.80 m) over Link Canal	Nos.	524.79	1 no	524.77	1 nos	
7. Bank Revetment Work on the left bank of Feni River at upstream of Pashchimjoar Village from Km.1.700 to Km.2.300	km.	520.22	0.600 km.	520.22	0.600 km.	
8. Bank Revetment Work on the left bank of Feni River at downstream of Pashchimjoar Village from Km.3.950 to Km.4.750	km.	699.98	0.800 km.	699.97	0.800 km.	
Grand total		6620.93	100%	6570.91	100%	Due to change of location of Regulator, Link canal is not required. Project progress is 100%.

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. Jashim Uddin Bhuiyan. Superintending Engineer, Feni O&M Circle, BWDB, Feni. (Scale: 25750-1000-33750)	Yes	-	Yes	27/02/2012	17/09/2013	
Md. Rafique Ullah Executive Engineer, Feni O&M Division, BWDB, Feni. (Scale:22250-900-31250)	Yes	-	Yes	18/09/2013	04/03/2014	
K M Anawar hossain Superintending Engineer, Feni O&M Circle, BWDB, Feni. (Scale: 25750-1000-33750)	Yes	-	Yes	22/04/2014	30/06/2015	

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
Car						
Jeep						
Microbus						
Minibus						
Bus						
Pickup						
Truck						
Motor Cycle	2 Nos.	19.06.2013	-	01/07/2015	-	Good condition
Bicycle						
Speed Boat						
Launch						
Others with name						

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/Propoal Cost (in crore taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per P.P	Contracted value	Invitation date	Contract signing/L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
1. Excavation of Pilot Channel from Km.0.000 to Km. 3.000 at Downstream of Feni Regulator	23.48	23.48	07/12/2011	06/05/2012	26/06/2013	23/03/2014
2. Construction of Closure at Downstream of Feni Regulator	8.69	8.69	07/12/2011	06/05/2012	26/06/2013	23/03/2014
3. Construction of Guide Bundh from Closure to Pilot Channel	1.53	1.53	07/12/2011	06/05/2012	26/06/2013	23/03/2014
4. Protective Work at the Downstream of Feni Regulator from Km.0.00 to Km.0.650	13.54	13.53	29/10/2014	01/12/2014	02/06/2015	02/06/2015
5. Construction of Drainage Sluice (3 vent-1.50 m x 1.80 m) over Link Canal	5.24	5.24	07/04/2013	05/08/2013	28/04/2014	28/04/2014
6. Bank Revetment Work on the left bank of Feni River at upstream of Pashchimjoar Village from Km.1.700 to Km.2.300	5.20	5.20	23/06/2013	30/09/2013	25/05/2014	25/06/2014
7. Bank Revetment Work on the left bank of Feni River at downstream of Pashchimjoar Village from Km.3.950 to Km.4.350	3.48	3.48	03/03/2013	23/07/2013	18/06/2014	08/08/2014
8. Bank Revetment Work on the left bank of Feni River at downstream of Pashchimjoar Village from Km.4.350 to Km.4.750	3.51	3.51	03/03/2013	23/07/2013	18/06/2014	18/06/2014

08.2 Use of Project Consultant(s) (Foreign/Local):- Not applicable

Name of the Field	Approved man month		Actual man month utilized	Remarks
	As per P.P	As per contract		
1	2	3	4	5
a) Foreign				
b) Local				

09. Construction/Erection/Installation Tools & Equipment :- Not applicable

Description of item	Quantity as per P.P	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

C. FINANCIAL AND PHYSICAL PROGRAMME :

01. (a) Original and revised schedule as per P.P : (In lakh taka)

Financial Year	Financial provision & physical target as per original P.P				Financial provision & physical target as per latest revised P.P			
	Total	Taka	P.A	Physical %	Total	Taka	P.A	Physical %
1	2	3	4	5	6	7	8	9
2011-12	69.50	69.50	-	1.08	70.00	70.00	-	1.06
2012-13	4775.80	4775.80	-	74.78	1693.69	1693.69	-	25.58
2013-14	1540.64	1540.64	-	24.14	2498.45	2498.45	-	37.74
2014-15	-	-	-	-	2358.79	2358.79	-	35.62
Total	6385.94	6385.94	-	100.00	6620.93	6620.93	-	100.00

01. (b) Revised ADP allocation and progress :

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
2011-12	70.00	70.00	-	1.06	70.00	70.00	70.00	-	1.05
2012-13	1700.00	1700.00	-	25.58	1700.00	1693.23	1693.23	-	39.45
2013-14	2500.00	2500.00	-	37.74	2500.00	2498.45	2498.45	-	42.50
2014-15	2313.00	2313.00	-	35.62	2312.39	2309.23	2309.23	-	17.00
	6583.00	6583.00	-	100.00	6582.39	6570.91	6570.91	-	100.00

D. ACHIVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per PP	Actual achivement	Reason for short fall if any
Programme Goal: - Safety of lives, properties from river erosion hazards. - To support sustainable river erosion mitigation in the region - Environmental enhancement	- Extended river management with reducing extent of erosion at vulnerable segment - Secured natural and human resources	
Project Purpose: - To mitigate river erosion - Safety of public assets & natural resources - Sustainable socio-economic & tertiary sector's enhancement	- Safety of immovable properties worth Tk. 34600.00 lakh - Ensure safety of public & private properties and reduction of human hazards	

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 1 st year of operation at full capacity (or during, real production for newly completed project).
- Excavation of Pilot channel - Closure - Protective work		Completed by June, 2015 -Flow of Feni River is guided by excavated Pilot Channel and construction of Closure as desired. -Prevented bank erosion at u/s & d/s of Pashchimjoar village & L/B of Feni River and CDSP embankment. -Drainage facilities improved.	As the project has been completed in June'2015 no such assessment has been done and annual output could not be ascertained.
Drainage Sluice			

02. Cost/ Benefit:

Item	Estimated	Actual
(1) Benifit cost ratio If the project		
(i) Financial	1.38 : 1.00	Actual B/C ratio and IRR could not be ascertained as the Project has been completed in June'2015
(ii) Economic	1.58 :1.00	
(2) Internal Rate of Return		
(i) Financial	17.54%	
(ii) Economic	20.44%	

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

F. MONITORING AND AUDITING

1. Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(a) <u>Ministry/ Agency</u> :			-
1. Mr. Habibur Rahman, D.G. BWDB,Dhaka	Nov.'2011	-	-
2. Mr. Sunil Baran Debroy, A.D.G. BWDB,Dhaka	April'2013	-	-
(b) <u>IMED</u> :			-
1. Mr. Saiduzzaman Deputy Director	Dec.'2012	-	-
(c) Others : (Please specify)	-	-	-

2. Auditing during and after Implementation:

2.1. Internal Audit: No internal audits were done.

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

2.2. External Audit :

Audit Report	Date of submission of Audit Report	Major findings/objections	Whether objections resolved or not.
1	2	3	4
২০১৩-১৪	০৩-১১-২০১৪	আপত্তি নং ১- পিপিআর/২০০৮ এর ব্যতয় ঘটিয়ে বহুল প্রচারিত পত্রিকায় বিজ্ঞপ্তি প্রকাশ ব্যতীরেকে কার্যসম্পাদন। জড়িত টাকা - ৫,২১,৫৩,৯৩৬.০০	Not Resolved
		আপত্তি নং ২- ডিপিপিতে অনুমোদিত প্রাক্কলন অপেক্ষা অতিরিক্ত প্রাক্কলন অনুমোদন করে সরকারের ক্ষতি সাধন। জড়িত টাকা - ২,৬১,০৭,৫৪২.০০	Not Resolved
		আপত্তি নং ৩- মন্ত্রনালয়ের নির্দেশ উপেক্ষা করে বাঁধ নির্মান কাজে ব্যবহৃত জিও টেক্সটাইল ব্যাগের গুনগত মান নিশ্চিত না করে অর্থ পরিশোধ। জড়িত টাকা - ১২,২২,৩৫,৪০৮.০০	Not Resolved
		আপত্তি নং ৪- ভূমি অধিগ্রহন বাবদ অতিরিক্ত অর্থ ডিপিপিতে অন্তর্ভুক্ত করা হলেও ক্ষতিপূরন বাবদ পরিশোধিত অর্থ ব্যয়ের পর বাকী অর্থ সমর্পন করা হয়নি। জড়িত টাকা - ৩২,০১,৪৪৩.০০	Not Resolved
		আপত্তি নং ৫- এল এ কেসে আনুষাংগিক খরচ বাবদ অনিয়মিত ভাবে অর্থ পরিশোধ। জড়িত টাকা - ১,৭৭,৭৭৭.০০	Not Resolved

G. Descriptive Report

1. General Observations / Remarks of the project on :

1.1 Background:

The Feni river closure dam and a regulator were completed in 1986 as major components of the Muhuri Irrigation project. The purpose of the project was to prevent salinity intrusion in to the Muhuri Project area, to store fresh water and to improve drainage in the Muhuri area . The closure of the Feni river resulted in substantial accretion of land in the area to the south of closure dam and west of the existing sea-dyke. The accreted area is estimated approximately at 3315 ha of which around 3300 ha has been included in the newly constructed Muhuri Accreted area polder.

Construction of Feni river cross dam and regulator in 1985 caused major changes in hydraulic conditions and morphological behavior and initiated a large scale transformation in the geomorphology at the downstream of the Feni regulator and Feni river closure dam. As a result of the closure of the Feni river, an extensive landmass accreted in the area to the south of the closure dam. For the above mentioned consequences, the then newly constructed d/s diversion channel of the Feni regulator has also been silted up and flow of the Feni regulator continues to divert toward west causing erosion to a large area of more than 10.0km. length up to its outfall at Sandwip channel.

A project of excavation of a pilot channel at the downstream of the Feni regulator had been proposed by the Chief Engineer, South-Eastern Zone, BWDB, Chittagong to protect existing structures valuable lands, houses, roads, public assets etc. of Sonagazi upazilla from the Major erosion of Feni River.

1.2 Justification/ Adequacy

After completing the project, bank erosion at right bank of Feni River, d/s of Feni Regulator have been stopped & sediment deposition were there and about 6.00 km² land is reclaimed. Erosion at Left bank of Feni River, d/s of Feni regulator and at u/s & d/s of Pashchimjoar village have been stopped. The Feni River is flowing through the 3.00 km excavated Pilot Channel. So, the project objectives were achieved.

1.3 Objectives :

The main objectives of this project are:

1. To stop the river bank erosion of Feni river at the downstream of Feni regulator.
2. To save the existing structures of BWDB like embankment, regulator, Groyne, Homesteads, valuable lands, Madrasa, Cyclone Shelter, roads etc. from the major erosion of Feni river.
3. To guide the flow of Feni river at the downstream of Feni regulator.
4. To Facilitate better ecological balance.
5. To improve the overall social economic condition of the area.
6. To Protect Pashchimjoar Village from the erosion of Feni river at Upazila Mirsarai, Dist: Chittagong.

1.4 Project revision with reasons :

1st meeting of the steering committee for this project was held on 28.07.2013. The meeting decided to take necessary action by Bangladesh Water Development Board for additional budget allocation in the Revised ADP of 2013-2014 for completion of the project. The meeting also decided to submit a proposal of re-appropriation by BWDB for timely and properly implementation of the project. As per decision of 1st meeting of the steering committee of MoWR re-appropriation proposal of the said DPP has been prepared and submitted to the MoWR on September 2013. Later on a DPP Rationalization meeting was held in the MoWR on that re-appropriation proposal on 19.01.2014. As

per decisions and compliance of the DPP Rationalization meeting, DPP has been revised with the estimated cost KT. 6620.93 Lakh according to the decisions of the DPP Rationalization meeting held on 19.01.2014.

Re-appropriation proposal of the first revised DPP has been recast with the estimated cost of Tk. 6620.93 lakh according to the decisions of the DPEC meeting held on 19.03.2015. The reasons for re-appropriation are the cost of construction of closure has been decreased as per Revised Design due to siltation in U/S & D/S of closure and the cost of link canal decreases due to change of location of 3-vent Regulator as recommended by IWM .On The other hand, the cost of Protective work at the d/s of Feni Regulator from km. 0.00 to km. 0.650 has been increased due to present rate schedule from Tk. 1234.00 lakh to 1275.00 lakh & as per lowest responsive bidder quoted rate. is Tk. 1354.97 lakh.

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

The proposed project area is suffering mainly from the problem of river bank erosion due to the major shifting of the alignment of the Feni river towards west. Original flood control embankment of Polder -60 at the downstream of Feni regulator has already been engulfed and retired embankment was constructed there. River bank erosion still continued there Sonagazi regulator is now just at the right bank of the river. Groyne-1 and Groyne-2 located at the upstream and downstream of the Sonagazi regulator is under threatened condition. Major erosion is also observed at Char Khondaker area. Homesteads, Madrasa, Cyclone Shelter, roads etc. of this area is now going to damage from the river bank erosion problem.

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

- Project Identification:
The project was identified at field level by Feni O&M Division, BWDB, Feni.
 - Project Preparation :
The DPP was prepared on the basis of approved PCP for Finalization by DPEC of Ministry of water recourses in compliance with one of the important decision of aforesaid ECNIC meeting.
 - Appraisal
 - Credit Negotiation
 - Credit Agreement
 - Credit Effectiveness
 - Loan Disbursement
 - Loan Conditionalities
- Not applicable
- Project Approval.
The Project was approved on 18.10.2011.
 - 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**
- 4.2. **Programmer for use of created-facilities of the project**
Usage of created facilities e.g completed irrigation structures, regulators etc. will be facilitated by the local training, stakeholders participation, water user groups activities and workshops .
- 4.3. **O&M Programme of the project –**
O&M Programme will be arranged from O&M budget of BWDB.

4.4. Impact of the project

4.4.1 Direct

List of public & Private Properties with estimated cost to be saved through implementation of the project “Excavation of a Pilot Channel at the Downstream of Feni Regulator under Sonagazi Upazila of Feni District and Bank Protective works of the Left Bank of Feni River at Pashchimjoar under Mirsarai Upazila Chittagong District”.

(Lakh taka)

Sl .No.	Name of Properties	Quantity	Financial Value	Conversion Factor (CF)	Economic Value
1	2	3	4	5	6
1	Embankment of Polder 60.	12.00km	1200.00	0.902	1082.40
2	Drainage Sluices of Polder 60	5 Nos	600.00	0.902	541.20
3	Sonagazi Regulator of MIP	1 No.	20000	0.902	180.40
4	Bangladesh Rice Research Institute, Sonagazi.	1 No.	1000.00	0.902	902.00
5	Cyclone Shelters	2Nos	400.00	0.902	360.80
6	Households/Homesteads	568 Nos	3000.00	0.902	2706.00
7	Agricultural Land	2350 ha	24000.00	0.902	21648.00
8	LGED Roads/Roads	13.00km	850.00	0.902	766.70
9	Village Markets/ Huts	8 Nos	200.00	0.902	180.40
10	School/College	9 Nos	300.00	0.902	270.50
11	Madrasa	3Nos	200.00	0.902	180.40
12	Mosque/Mondir	14 Nos	400.00	0.902	360.80
13	Gardens (Coconut/Battle etc.)	L.S.	50.00	0.902	45.10
14	Ponds	105 Nos	1000.00	0.902	902.00
15	Electric Line	L.S	200.00	0.902	180.40
16	Bridge Culvers	5 Nos	500.00	0.902	451.00
17	Building	10 Nos	400.00	0.902	360.80
18	Semi Pacca Building .	15 Nos	100.00	0.902	90.20
			34600.00		31209.20

4.4.2 Indirect

Due to successful completion of protective works, homesteads, new factories and market places are going to be expanded creating new economic activities.

4.5 Transfer of Technology and Institutional Building through the project

During construction or implementation of the project, Technology & Institutional building were transfer to the local people & labour engaged with the project works.

4.6. Employment generation through the project.

More than 169 lakh man-days were created for skilled and unskilled labors during implantation of the project.

4.7 Possibility of Self employment.

By these Protective works Projects, unemployed people will become self employed by using irrigation facilities C.G. khals, in regulators for cultivation which was previously uncultivable. About 0.60 lakh farmers will get opportunities to be self-employed.

4.8 Possibility of women-employment opportunity

Most people of the project area are with limited source of employment. As such poverty is the part and parcel of their day to day life. By the implementation of this project employment in business sector will be created due to socio-economic condition, micro-financing activities. Project will also create employment opportunities and these will ultimately contribute to the achievements to poverty alleviation.

The project implemented will help reduce the risk of landless and pauperization in the

project area to a great extend. The project will ensure safety of public and private properties and improve economic activities by construction of protective works.

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 programmers and Comments on overlapping with any NGO activities- N/A

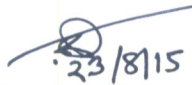
5. Problems encountered during Implementation (with duration & steps taken to remove those)

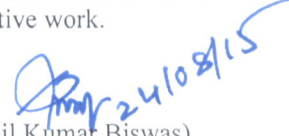
5.1	Project Management	-	5.12	Project aid disbursement and re-imburement
5.2	Project Director		5.13	Mission of the development partners.
5.3	Land Acquisition		5.14	Time & Cost Over-run
5.4	Procurement		5.15	Project Supervision/Inspection
5.5	Consultancy		5.16	Delay in Decision
5.6	Contractor		5.17	Transport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

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

The objective of the Project is to stop bank erosion of Feni River at the d/s of Feni Regulator. After constructing 410 m Closure, the river erosion has been stopped on the right bank of Feni river at d/s of Feni Regulator and Sediments are deposited at the d/s of Closure and existing structures of BWDB like embankment, regulator, groynes, homestead, valuable land, madrasa, cyclone shelter, roads etc. are saved. The Feni river is flowing through the excavated 3.00 km Pilot Channel and the channel is widening.

The Pashchimjoar village of Mirsarai Upazilla, Chittagong District is protected by 1.40km Protective work. The drainage sluice (3-vent, 1.50mX1.80m) is functioning very well by draining rain water from Project area to Sandwip Channel and it prevents Saline water intrusions by its automatic Stop- gates installed on it. The CDSP embankment at the left bank of Feni Regulator is also protected by 650m Protective work.


23/8/15
(Md. Romjan Ali Pramanik)
Executive Engineer
Feni O&M Division
BWDB, Feni.


(Akhil Kumar Biswas)
Superintending Engineer
Feni O&M Circle
BWDB, Feni

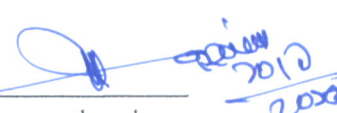
Date :

Signature and seal of the Project Director/Manager

7. **Remarks/Comments of Agency Head**

Excavation of pilot channel & construction of closure under this project has stopped river erosion along left bank of Feni river at d/s of Feni regulator and guided the flow of Feni river through less erosion prone way & region. Paschimnagar village of Mirsarai upazilla has been protected by 1.40 km river bank protective work. Construction of drainage sluice has prevented intrusion of saline water on project area. All these infrastructural achievements will act as safeguard to existing private & public infrastructures and to the stakeholders.

Date :


Signature and seal

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

(MD. ISMAIL HOSSAIN)
Director General
BWDB, Dhaka.

Date :

Signature and seal