

BANGLADESH WATER DEVELOPMENT BOARD



IMED-04/2003 (REVISED)

PROJECT COMPLETION REPORT

NAME OF PROJECT : Bank protection work of Korotoya river at Nazirganj & Doikhata Chitmohol (former) in Upazila Boda, District Panchagarh.

PERIOD: AUGUST, 2018.

NAME OF DIVISION : PANCHAGARH O&M DIVISION, BWDB, PANCHAGARH.

NAME OF CIRCLE : THAKURGAON O&M CIRCLE, BWDB, THAKURGAON.

NAME OF ZONE : NORTHERN ZONE, BWDB, RANGPUR.

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** : Bank protection work of Korotoya river at Nazirganj & Doikhata Chitmohol (former) in Upazila Boda, District Panchagarh.
- 02. Administrative Ministry/Division** : Ministry of Water Resources.
- 03. Executing Agency** : Panchagarh O&M Division, BWDB, Panchagarh.
- 04. Location of the Project** : UP: Kajoldhighi-Kaliaganj, Upazila: Boda, Dist: Panchagarh

- 05. Objective of the Project** :
- To protect the Chitmohols (former) dwellers from flooding
 - To protect loss of land about 220 ha from erosion.
 - To save infra-structures such as Kaligonj Bazar, hats, roads, mosque, temple etc. of approximate value Tk. 16090.00 Lakh from erosion.
 - Socio-economic development of Chitmohols (former) dwellers.
 - To protect the Chitmohols (former) from river erosion.
 - To create water way for river and thereby increasing river flows in main stream by dredging/excavation.

- 06. Estimated Cost** :

	(In lakh Taka)	
	Original	Latest Revised
(a) Total	2435.74	-
(b) Taka		
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

- 07. Date of Approval** :
- | | | |
|--------------------|-----|------------|
| | PCP | PP |
| (a) Original | - | 11.01.2017 |
| (b) Latest Revised | - | N/A |



08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	January, 2017	June, 2019
(b) Latest Revised	-	-
(c) Actual	January, 2017	June, 2018

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
Not Applicable							

b) GOB :

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
2435.74	-	2435.74	-

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
Not Applicable						

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
Not Applicable					

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, 2017 to June, 2019	-	January, 2017 to June, 2018	-	The project has been completed before one year before scheduled.

02. Cost of the Project :

Description	Estimated Cost		Actual expenditure	Cost over-run (% of original cost)	Remarks
	Original	Latest revised			
1	2	3	4	5	6
TOTAL	2435.74	-	2321.95	-	
TAKA	2435.74	-	2321.95	-	-
PA	-	-	-	-	-

03. Project Personnel : Existing manpower of the implementing agency were deployed during execution of the project.

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)	N/A	9	9	-	-	-
Staff(s)	N/A	16	16	-	-	-
Total :		25	25	-	-	-

04. Training of Project Personnel (Foreign/Local) : No Training was Scheduled 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: Nil

b. Local: Nil



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:						
Supplies and Service:						
Petrol & Lubricant.	Item	3.50	1 Item	3.50	1 Item	
Report, Printing & Publication	Item	1.00	1 Item	1.00	1 Item	
Stationary, seal & stamps.	Item	1.00	1 Item	1.00	1 Item	
Survey & Investigation.	Item	4.50	1 Item	4.44	1 Item	
Honorarium/ Fee/ Remuneration (PSC./ PIC/TEC/Meeting)	Item	2.50	1 Item	1.61	1 Item	The project completed before schedule time and nos of meeting perform is less than the targeted quantity.
Honorarium for mid term Evaluation	Item	10.00	1 Item	9.38	1 Item	
Repair, Maintenance & Rehabilitation:						
Repair & Maintenance of existing Vehicles-3 Nos. (Vehicle No. Thakurgaon-GHA-02-0012, Dinajpur-KHA-8647 & Thakurgaon-KHA-07).	No	2.50	3 Nos	2.50	3 nos	
Sub-total (Revenue Component) of A:		25.00		23.43		
(B) Capital Component :						
Acquisition of Assets:						
Photocopier Machine- 1 no & Fax Machine-1 No.	No	1.50	2	1.50	2 nos	
Desktop computer with Laser printer-2 Nos.	No	1.50	2	1.50	2 nos	
Projector-1 No.	No	1.00	1	1.00	1 no	
Construction of works:						
Bank Protective Works-1650m. (Km. 53.500 to Km. 54.550=1050m & Km. 56.500 to Km. 57.100=600m)	meter	1445.86	1650.00	1406.79	1650.00	
Shoal/Char Removal by Excavation/dredging-5000m, Cum.691685.49 (Km. 53.180 to Km. 58.180=5000m)	meter (cum)	940.88	5000.00m (616550.50 cum)	887.73	5000.00m (585830.15 cum)	
Sub-total (Capital Component) of B:		2390.74		2298.52		
Total (A+B):		2415.74		2321.95		
(C) Physical Contingency (L S)		10.00	LS	0.00		Not Used
(D) Price Contingency (L S)		10.00	LS	0.00		Not Used
Grand Total (A+B+C+D)		2435.74	100%	2321.95	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
Iqbal Hossain Superintending Engineer 50000~71200	Yes	-	Yes	01/03/2017	27/12/2017	
Md. Mahabubar Rahman Superintending Engineer 50000~71200	Yes	-	Yes	28/12/2017	till Date	

07. Procurement of Transport (in Nos.) : There were no provision of procurement of transport in this project.

Type of transport	Number as per P.P.	Procured with date	Transferred to Transport Pool with date	Transferr ed to O & M with date	Condemned/da maged with date	Remarks
1	2	3	4	5	6	7
Car						
Jeep						
Microbus						
Minibus						
Bus						
Pick-up						
Truck						
Motor Cycle						
By-cycle						
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/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/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Works (Protective works)						
1) Bank protective work on the left bank of Korotoya river from KM.53.500 to KM.54.000 = 500m at Kazaldighi-Kaliaganj UP in Upazila-Boda, Dist-Panchagarh under Panchagarh O&M Division. (Package No. PAN/CM-01/2016-17)	4.67	4.35	13/03/2017	10/05/2017	25/06/2019	16/04/2018
2) Bank protective work on the left bank of Korotoya river from KM.54.000 to KM.54.550 = 550m at Kazaldighi-Kaliaganj UP in Upazila-Boda, Dist-Panchagarh under Panchagarh O&M Division. (Package No. PAN/CM-02/2016-17)	4.99	4.80	13/03/2017	11/05/2017	25/06/2019	22/05/2018
3) Bank protective work on the left bank of Korotoya river from KM.56.500 to KM.57.100 = 600m at Kazaldighi-Kaliaganj UP in Upazila-Boda, Dist-Panchagarh under Panchagarh O&M Division. (package No. PAN/CM-03/2016-17)	4.79	4.93	13/03/2017	11/05/2017	25/06/2019	15/01/2018

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/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Works (Shol/Char Removal)						
4) Shoal/Char removal work by excavation/dredging of Korotoya river in between Km. 53.180 to Km. 54.380=1200m. at Nazirganj & Doikhata Chitmohol in Upazila-Boda, District-Panchagarh under Panchagarh O&M Division. (Package No. PAN/CM-01/2017-18)	2.66	9.34	14/12/2017 (DPM)	25/01/2018	31/05/2019	24/05/2018
5) Shoal/Char removal work by excavation/dredging of Korotoya river in between Km. 54.380 to Km. 55.580=1200m. at Nazirganj & Doikhata Chitmohol in Upazila-Boda, District-Panchagarh under Panchagarh O&M Division. (Package No. PAN/CM-02/2017-18)	2.26					
6) Shoal/Char removal work by excavation/dredging of Korotoya river in between Km. 55.580 to Km. 56.780=1200m. at Nazirganj & Doikhata Chitmohol in Upazila-Boda, District-Panchagarh under Panchagarh O&M Division. (Package No. PAN/CM-03/2017-18)	2.24					
7) Shoal/Char removal work by excavation/dredging of Korotoya river in between Km. 56.780 to Km. 58.180=1400m. at Nazirganj & Doikhata Chitmohol in Upazila-Boda, District-Panchagarh under Panchagarh (Package No. PAN/CM-03/2017-18) O&M Division.	2.24					

8.2 Use of Project Consultant (s) (Foreign/Local): Not Applicable

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 :

b) Local :

9.0 Construction/Erection/Installation Tools & Equipment : Not Applicable.

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

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
2016-17	1030.85	1030.85	-	10%	-	-	-	-
2017-18	1113.02	1113.02	-	60%	-	-	-	-
2018-19	291.87	291.87	-	30%	-	-	-	-
Total	2435.74	2435.74	-	100%	-	-	-	-

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
2016-17	200.00	200.00	-	10%	200.00	196.80	196.80	-	10%
2017-18	2175.00	2175.00	-	90%	2175.00	2125.15	2125.15	-	90%
2018-19	-	-	-	-	-	-	-	-	-
Total=	2395.00	2395.00	-	100%	2375.00	2321.95	2321.95	-	100%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
(a) To protect the Chitmohols (former) dwellers from flooding (b) To protect loss of land about 220 ha from erosion. (c) To save infra-structures such as Kaligonj Bazar, hats, roads, mosque, temple etc. of approximate value Tk. 16090.00 Lakh from erosion. (d) Socio-economic development of Chitmohols (former) dwellers. (e) To protect the Chitmohols (former) from river erosion. (f) To create water way for river and thereby increasing river flows in main stream by dredging/excavation.	(a) Ensured the Chitmohols (former) dwellers from flooding. (b) The land about 220 ha has been protected by Revetment work Implemented under this project. (c) The infra-structures such as Kaligonj Bazar, hats, roads, mosque, temple etc within the project area of approximate value of Tk. 16090.00 Lakh saved due to implementation of 1650m Revetment work from erosion. (d) Socio-economic condition of Chitmohols (former) dwellers has been improved. (e) The Chitmohols (former) has been saved from river erosion. (f) The water way for river and thereby increasing river flows in main stream has been achieved by performing 5000m dredging/excavation work of Korotoya River. Due to dredging, the water storage capacity of river also increased as well as fish culture has been increased.	No Shortfall

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) Area protected from river bank erosion.	Ha	220 Ha of agricultural land	220 Ha of agricultural land
(b) Properties Land: i) Highway	Km.	3.00	3.00
ii) Local Road (Paka/kacha)	Km.	2.00	2.00
iii) Houses (paka/semi paka/kacha)	Nos	225	225

SMAN

iv) Land Reclaimed Area	Acre	15.00	15.00
v) Forest	Ha.	2.00	2.00
c) Shops	Nos	85	85
d) Mosque	No	1	1
e) Mondir	Nos	2	2

02. Cost / Benefit :

Item	Estimated	Actual
(1) Benefit cost ratio of the project	2.12 : 1.00	Will be evaluated latter by concern directorate of BWDB & IMED
(i) Financial		
(ii) Economic	2.51 : 1.00	
(2) Internal Rate of Return		
(i) Financial	26.37%	
(ii) Economic	30.32%	

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

(Signature)

F. MONITORING AND AUDITING

0.1 Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(a) IMED:			
Mr. Md.Mahmudul Hasan Assistant Director, IMED.	05.01.2018 to 06.01.2018	New River bank erosion has been occurred at adjacent to Nazirgonj & Doikhata Revetment work.	Including of new revetment work along the erosion area.
(b) Planning Commision:			
Md.Abdul Azim Chowdhury, Joint Chief(Planning)	05.01.2018 to 06.01.2018	Curing of CC Block is found insufficient. Shol/Char Removal work yet not started. New River bank erosion has been occurred at adjacent to Nazirgonj & Doikhata Revetment work.	Curing of CC Block should be sufficient. Shol/Char Removal work to be started as early as possible and it is to be completed within the month of may. Inclusion of new revetment work along the erosion area.
Md.Sayeduzzaman Joint Chief(Program Division)	05.01.2018 to 06.01.2018		
Nikhil Kumar Das Deputy Chief	05.01.2018 to 06.01.2018		
Md.Mahabubur Rahman Sr.Assistant Chief	05.01.2018 to 06.01.2018		
(c) Ministry / Agency:			
Mohammod .Abu Yusuf Adl. Secretary (Development), MoWR	05.01.2018 to 06.01.2018 and 01.05.2018	Curing of CC Block is found insufficient. Shol/Char Removal work yet not started. New River bank erosion has been occurred at adjacent to Nazirgonj & Doikhata Revetment work.	Curing of CC Block should be sufficient. Shol/Char Removal work to be started as early as possible and it is to be completed within the month of may. Inclusion of new revetment work along the erosion area.
Montu Kumar Biswas Joint Chief(Planning), MoWR	05.01.2018 to 06.01.2018		
Md.Jane Alam Deputy Chief-2, MoWR	05.01.2018 to 06.01.2018		
Begum Nurjahan Khatun Deputy Secretary (Development-2), MoWR	05.01.2018 to 06.01.2018		
Abu Yusuf Mohammad Rasel Sr. Assistant Chief, Planning-3, MoWR	05.01.2018 06.01.2018		
Kazi Tofail Ahmed Chief Monitoring, BWDB, Dhaka	06.04.2018	Dredged earth dumping adjacent to River Bank.	Dredged materials should be placed away from river in sufficient distance.



Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
Aziz Mohammod Chowdhury Adl. Chief Engineer, Northern Zone, BWDB, Rangpur	29.07.2017 23.01.2018 18.03.2018	Progress of Shol/Char Removal is not satisfactory. A chut channel near right bank of korotoya river at Baroni mondir area leads to the erosion of right bank.	Progress of Shol/Char removal should be speed up. The chut channel to be closed by spoil materials as per derrection of Design office.
Mohammod Ali Chief Engineer, Northern Zone, BWDB, Rangpur.	12.05.2018	Dredged earth dumping adjacent to River Bank. A chut channel near right bank of korotoya river at Baroni mondir area leads to the erosion of right bank.	Dredged materials should be placed away from river in sufficient distance. The chut channel to be closed by spoil materials as per derrection of Design office.
Mir Mosharaf Hossain Adl. Chief Engineer, Northern Zone, BWDB, Rangpur	03.06.2018	Dredged earth dumping adjacent to River Bank.	Dredged materials should be placed away from river in sufficient distance.
Md.Musa Nurur Rahman Superintending Engineer, Design Circle-6, BWDB,Dhaka.	31.03.2018	A chut channel near right bank of korotoya river at Baroni mondir area leads to the erosion of right bank and also disturbing the north direction flow of the river which is the spriritual faith of the hindu community.	The chut channel to be closed by spoil materials. The data to be sent for designing to close the chut channel.
Iqbal Hossain, Superintending Engineer, BWDB,Thakurgaon and Project Director (PD).	27.05.2017 17.06.2017 15.07.2017	Progress of CC blocks manufacturing work is insufficient. Curing of the CC blocks also insufficient.	The progress of manufacturing the CC Blocks to be increase with sufficient curing.
Md.Mahabubur Rahman Superintending Engineer, BWDB,Thakurgaon and Project Director (PD).	18.12.2017 23.01.2018 20.02.2018 07.03.2018 17.03.2018 31.03.2018, 06.04.2018, 23.04.2018 01.05.2018 12.05.2018 03.06.2018	Progress of Revetment work is slow. Dredged materials dumping adjacent/on to River Bank. The progress of Shol/Char removal is slow. A chut channel near right bank of korotoya river at Baroni mondir area leads to the erosion of right bank and also disturbing the north direction flow of the river which is the spriritual faith of the hindu community.	Dredged materials should be placed away from river in sufficient distance. Shol/Char Removal work to be started as early as possible and it is to be completed within the month of may.
Dr. Shamol Chandro Das Executive Engineer, Office of the Chief Planning, BWDB, Dhaka	05.01.2018 06.01.2018		

(d) Others: (Please specify)			
Advocate Md. Nurul Islam Suzon, MP, Panchagarh-2, Bangladesh Parliament	27.05.2017 30.01.2018		
Mohammad Jahirul Islam Deputy Commissioner (DC), Panchagarh.	30.01.2018 21.02.2018	Top of the Revetment work at the kaligonj Bazar is lower than required high. Closure for chut channel is not justified.	Top of the revetment work at kaligonj bazaar should be level with adjacent ground level. Construction of Closure should be reviewed by expert opinion.
Sayed Mahmud Hasan UNO, Boda, Panchagarh.	30.01.2018 21.02.2018		

0.2. Auditing during and after Implementation:

2.1. Internal Audit: No internal Audit was conducted

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: No external Audit was conducted

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

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on :

1.1 Background : The project area is located along the river bank (right bank & left bank) of mighty Korotoya river at different places of Nazirganj & Daikhata Chitmahal (former) in Upazila- Boda, District- Panchagarh. The Nazirganj & Daikhata are two Chitmahals out of 36 nos Chitmahals in Panchagarh district. An inhabitants of 1160 nos & 563 nos. are live in Nazirgonj & Daikhata Chitmahal respectively.

The Korotoya river originates from Jalpaiguri district in India and enters in Bangladesh in Tentulia Upazila. Then it flows through the sadar Upazila of Panchagarh. After flowing near about 120 km through Panchagarh then it falls into Atrai river at Khanshama Upazila of

Dinajpur district. Its width and depth is about 200.00m (av) and 4.00m (av) respectively and it is flashy river. The average gradient of river is 45cm per km.

The river has huge water flow and tremendous current during monsoon causing severe erosion at different location along the river bank. As a result, a vast area along the river banks and properties near it like: agriculture land, homestead, shops, forest, road, mosque, graveyard, temple, immovable public & private properties and other infrastructures have already been engulfed into the river by erosion and the rest are on the verge of erosion.

On 11.05.2015 Honorable Prime Minister discussed with district officials of different offices under Panchagarh District attending at Deputy Commissioner (DC) 's conference room by video conference. She has given instructions to take necessary steps immediately for socio-economic development of Chitmahals inhabitants. In this consequence this project has been formed.

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 rivers is so large that there is recurrence of floods every year. Sometimes it becomes very severe and causes immense damages impacted by occurrence of devastating 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 bankline/flood-plains. The large seasonal variation in river flow results in varying sediment transportation capacity, and causes river-bank erosion, migration of river-banks and meandering of river channels.

Linkage with 7th FYP : The vision, goals, objectives and targets of the water sector for Seventh Five Year Plan (SFYP) have been defined in conformity with the vision 2021. One of the root-cause for rural poverty is river erosion. The number of people losing everything i.e. land, shelter (home), livelihood means, due to river erosion is significant numbering to 60,000 people per year. River management, commonly understood as dredging, would be given top most priority with feasibility assessment in case by case.

River Dredging: Dredging has been carried out in a systematic and comprehensive way in combination with riverbank protection for non-destructive, easy and smooth passage of flood flow of the river system. Such a implimented activity has arrested river erosion, which is also a major system factor of rural poverty. Korotoya river dredging has been incorporated in this project to mitigate the perennial water logging and to increase water flow in the main stream.



Linkage with SDGs:

The poor people has been benefited through creation of employment opportunity. The project helps to reduce the risk of landlessness and pauperization in the project area to a great extent during and after implementation.

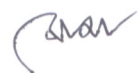
1.3 Objectives :

- To protect the Chitmohols (former) dwellers from flooding
- To protect loss of land about 220 ha from erosion.
- To save infra-structures such as Kaligonj Bazar, hats, roads, mosque, temple etc. of approximate value Tk. 16090.00 Lakh from erosion.
- Socio-economic development of Chitmohols (former) dwellers.
- To protect the Chitmohols (former) from river erosion.
- To create water way for river and thereby increasing river flows in main stream by dredging/excavation

1.4 Project revision with reasons : The project did not require any revision.

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

- Bank of Korotoya River at Nazirgonj and Doikhata at UP-Kajoldighi and Benghari in Upozila-Boda, District, Panchagarh was under the threat of Bank erosion of the Korotoya River which was already reduced from the threat of Bank erosion. Before project most of the inhabitants of these area were already shifted there house several times due to the river erosion which is protected after project. Local people became satisfied. The socio-economic condition was improving day by day. There was no other way to stop the erosion except Bank revetment works because many previously the area was under enclaves of India. So, it was necessary to protect the existing River Bank from devastating erosion of the river Korotoya. According to project concept and design per km protective work costed 875.75 Lac Taka. Total savings through this works have been approximatly 160.00 Crore Taka. So the project stand as a cost effective solution. Completion of the works before due time has added more valua of sustainability to this works.
- The project area was blocked by Shol/Char of the Korotoya River due to its morphological fenomena. There was no way to remove the shol/char from the river bed without re-excavation. After re-excavation of Korotoya River from Boalmari to



Awlia Ghat of Boda Upozila, District-Panchagarh, the flow of river as well as the water capacity has been increased which leads to the increase of fish culture and irrigation also. So, it was necessary to re-excavate the River.

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

◆ **Project Identification**

The Project is located along the left bank of Korotoya River. On 11-05-2015, Honorable prime minister of GoB has instructed through a video conference to immediately take necessary steps for socio-economic development of newly added chitmahals to Bangladesh Map. In these consequences, BWDB identified the River bank erosion problems along Korotoa river in chitmahals. BWDB addressed the solution by taking a development project for that.

◆ **Project Preparation**

Due to the severe erosion problem at Korotoya River and as per instruction of Honorable Prime Minister for socio-economic development of Chitmahals inhabitants the erosion problem was identified. In this consequence a Technical Committee was formed by BWDB to produce Technical Report of this project by investigates the necessity, feasibility of the project in respect of social, economical & environmental impact, safety of properties & infrastructure and sustainability of the project in technical ground etc and the project is taken on the basis of Technical Committee's report.

- ◆ **Appraisal :** The Project was appraised by Secretary of Ministry of Water Resources on 21-02-2016. The appraisal meeting on Planning Commission was held on 01.09.2016
- ◆ **Credit Negotiation:** Not Applicable
- ◆ **Credit Agreement:** Not Applicable
- ◆ **Credit Effectiveness:** Not Applicable
- ◆ **Loan Disbursement:** Not Applicable
- ◆ **Loan Conditionalities:** Not Applicable
- ◆ **Project Approval:** The project was approved by Planing Minister on 16.01.2017.
- ◆ **Others (if any):** Nill

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 :** The stakeholders are directly taking advantages of the created facilities of the project.
- 4.3 O & M programme of the project.**

Post Project recurrent O&M works will be arranged from the regular O&M allocation.



Impact of the project -

4.4.1 Direct

- Protection of houses, educational institution, mosques, high way, Bridges, Culverts, metal & non-metal roads, public properties, agricultural lands from river bank erosion.
- Reclaimed about 15 Acres of land from korotoya river.

4.4.2 Indirect

- Safety of human livelihood and properties.
- Improvement of socio-economic condition.
- Improvement of fish culture
- Increase of water retention capacity of korotoya river.
- Improve the environment of the area.

4.4 Transfer of Technology and Institutional Building through the project Not Applicable

4.5 Employment generation through the project.

A large number of skilled/unskilled workers were employed during construction period.

4.6 Possibility of Self employment

There are possibilities of self employment as existing commercial and business centres which has been protected from river bank erosion.

4.7 Possibility of women-employment opportunity

Yes, there is possibility of women-employment through the project.

4.8 Women's participation in development : Yes.

4.9 Probable Impact on Socio-Economic activity.

By protecting the river bank erosion, various infrastructures are saved from the erosion. As a result socio-economic balance in the locality is enhanced.

4.10 Impact on environment

Positive Environmental enhancement is achieved through the implementation of the project.



4.11 Sustainability of the project :

The project is sustainable but requires periodic maintenance.

4.12 Contribution to poverty alleviation/reduction

Huge public and private properties dispersed around the said erosion prone area with approximate total worth of Tk.16090.00 lakh is saved from river bank erosion by the implementation of the project.

It generated employment for skilled/unskilled workers during construction period and also in annual O&M phase. Also better employment access in business sector is enhanced.

Natural security against river bank erosion is restored.

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

The public representatives, local elite, local administration, teachers, religious leaders, women's representatives have positive remarks regarding the project.

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

Not Applicable.

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

5.1 Project Management	5.12 Project aid disbursement and re-imbursment
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	

No such problems encountered.



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

After the successful implementation of this project, the project area has been protected from severe bank erosion of the river Korotoya. The socio-economic condition of the people has been improved. Scopes of new jobs & works have been created. The safeties of human livelihood and properties have also been improved. The project will also contribute to attain national self sufficiency in food grains. Proper monitoring and regular maintenance of the revetment works and others necessary components should be continued to ensure the sustainability of the project. Otherwise the benefit of the project might be hampered.


20.08.2018
Md. Mahbubur Rahman
Superintending Engineer
Thakurgaon O&M Circle
BWDB, Thakurgaon
&
Project Director

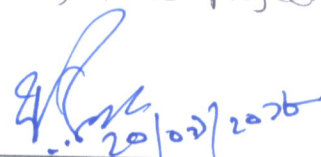
Date :

Signature and seal of the Project Director/Manager

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

BWDB has taken the project for socio-economic development of Nazirganj and Doikhata ~~upazilla~~ chitmohols (formerly) by ensuring river bank protection. After implementation of this project, 220 ha. of agricultural land, 3 Km highways, lots of establishments etc have been protected from the erosion of Korotoya river. Predging of Korotoya river has increased water carrying capacity of the river and improved the drainage facility ~~off~~ on the land. So, this project can be treated as a successful one.

Date :


20/02/2018

Signature and Seal

(Md. Mahfuzur Rahman)
Director General
BWDB, Dhaka.

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

Date :

Signature and Seal

