

**BANGLADESH WATER DEVELOPMENT BOARD**



**PROJECT COMPLETION REPORT: IMED-04/2024**

**Name of the Project: Protection From River Erosion of Shitalakshya River at Taragonj Bazar & Adjoining Area of Durgapur Union under Kapasia Upazila in Gazipur District.**

**PROJECT PERIOD: MARCH 2021 TO JUNE 2024.**

**DIVISION : Narsingdi WD Division, BWDB, Narsingdi.**

**CIRCLE : Dhaka WD Circle-2, BWDB, Dhaka.**

**ZONE : Central Zone, BWDB, Dhaka.**

Government of the People's Republic of Bangladesh  
Ministry of planning  
Implementation Monitoring and Evaluation Division

**PROJECT COMPLETION REPORT (PCR): IMED 04/2024 (Revised)**

**A. PROJECT DESCRIPTION**

01.	Name of the Project	:	Protection From River Erosion of Shitalakshya River at Taragonj Bazar & Adjoining Area of Durgapur Union under Kapasia Upazila in Gazipur District.
02.	Administrative Ministry/Division	:	Ministry of Water Resources (MOWR)
03.	Executing Agency	:	Bangladesh Water Development Board (BWDB)
04.	Planning Commission Sector/Division	:	
05.	Type of Project (Investment/Technical/Feasibility Study):		
06.	Location of the Project (As per Project Document): Upazila: Kapasia, District: Gazipur.		
Sl. No	Division	District	City Corporation/ Municipality/Upazila
	Dhaka	Gazipur	Kapasia

**07. Estimated Cost, Implementation Period and Approval: (In Lakh Taka)**

Subject	Approved Estimated Cost				Implementation Period	Date of Approval	Approved by
	Total	GOB (Foreign Exchange)	PA (RPA)	Self-finance			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Original	3079.30				MARCH 2021 TO JUNE 2023.	16/02/2022	Honorable Minister, Ministry of Planning
1 <sup>st</sup> No Cost Extension (If Applicable)	3079.30				MARCH 2021 TO JUNE 2024.	11/06/2023	

**08. Objective of the Project**  
Overall objective:

Specific Objectives (in bullets): The main objectives of the project are-

- To arrest river bank erosion and flood protective coverage by construction of river bank protective works.
- To increase the conveyance capacity of Shitalakshya River at Taragonj Bazar & Adjoining Area of Durgapur Union under Kapasia Upazila in Gazipur District by Re-excavation.
- The Project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Kapasia Upazila in Gazipur District.
- The approximate value of the save properties is Tk.13, 915.00 lakh.
- Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.
- Achieve gender equality and empower all women and girls.

B

09. Background of the Project (In brief):

The Project area is located at Durgapur Union under Kapasia Upazila in Gazipur District. Total of 11 unions of Kapasia Upazila are divided on two sides by Shitalakshya river. Out of the 11 Unions under discussion, the area from the north side of Taragonj Bazar in Durgapur Union to Mollaghat in Ekdala village is located on the right bank of Shitalakshya River which is suffering due to erosion. About 80 percent of the people of Ekdala village of Durgapur union live on the right bank of Shitalakshya river. Along the banks of this village there are many important public and private establishments including the traditional Taragonj market, a government hospital, fertile agricultural land, Eidgahmat. Taragonj H, N High School, established in 1919, was also removed from the river bank and placed on the west side of Taragonj Bazar, due to its disappearance into the river bed. About one and a half kilometer area of Ekdala village is suffering due to continuous erosion. In the area on the other side of the river, silt is continuously accumulating and char is increasing. Already, about 50 feet from the main road towards the river has disappeared under the river. Moreover, due to the rapid flow of flood water during the monsoon season, the homesteads and crop lands of the local people have been destroyed in the river. In this situation, dignitaries including local public representatives and people of various professions expect a quick solution to the problem of river erosion in the mentioned places and build the necessary infrastructure as soon as possible for their lives, livelihood, educational institutions, health centers, road communication, mosques, Eidgahs in the area. , Isha Khan-Mansingh insisted on protecting a historical structure (Ekdala Fort) enmeshed with memories.

The Deputy Press Secretary of Honorable Prime Minister Mr. Muhammad Ashraful Alam Khokon requested the Hon'ble Planning Minister to protect Taragonj Bazar and adjacent areas from the impact of Shitalakshya river by implementing the proposed project. Later, Hon'ble Minister of Planning sent a DO letter to Hon'ble Minister of Water Resources asking for the appropriate solution and accordingly directed the Director General, BWDB to take necessary measures in the matter (Memorandum No. 20.00.0000. 100.14.014.17-303, Date: 26/04/2017). Later the Director General, BWDB, sir directed the formulation of a DPP for the said area.

In this situation, protective works on Shitalakshya River for the length of first 1.70 km and Dredging of Shitalakshya River for a length of 8.910 km were taken. A DPP was prepared on the recommendation of Later, Hon'ble Minister of Planning sent a DO letter to Later, Hon'ble Minister of Water Resources. Finally, the DPP was passed by the competent authority amounting to Tk.3079.30 Lac with the original implementation period March, 2021 to June, 2023.

10. Major Activities: 1700m Protective work and 8.910km Dredging work.

11. Reasons for Revision (if applicable): Not Applicable

- 1<sup>st</sup> Revision: -
- 2<sup>nd</sup> Revision: -

11.1 Reasons for No-Cost Time Extension (if applicable):

- **1<sup>st</sup> time No-Cost Time Extension:** After the approval of the project in 2022 it is observed that the price of fuel oil has increased by 2 times and every construction material cost increases. At that time, the market price was much higher than the schedule of rates for the financial year 2019-20, so the approval of the new rate schedule was awaited. Due to the delay and uncertainty in approving the new rate schedule, tenders were invited on September 22 as per the schedule of rates for the financial year 2019-20.
- ADP allocation in favor of the project in FY 2022-23 is Tk 500.00 lakh and as the project belongs to "B" category, the amount of money deductible in favor of the project as per the government order is Tk 375.00 lakh. Due to inadequacy of funds allocated in favor of the project, the desired progress of the project was not possible and as the work could not be completed within the sanctioned time frame. Also water level was high to executive the protective work. So, the duration of the project was extended by 1 year without increasing the cost.

12. Financing Arrangement (Source-wise):

13

12.1 Status of Loan/Grant

a) Foreign Financing:

Source (s)	Currency as per Agreement	Amount in US\$ (million)	Nature (Loan/Grant/supplier's credit)	Date of Agreement	Date of Effectiveness	Date of Closing	
						Original	Revised
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Not Applicable							

b) GOB:

Total amount	Loan	Grant	Cash Foreign Exchange
(1)	(2)	(3)	(4)
3079.30		3079.30	

c) Self-finance/Equity:

Total amount	Self-finance	Equity	Cash Foreign Exchange
(1)	(2)	(3)	(4)
Not Applicable			

12.2 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)
Not Applicable						

12.3 Reimbursable project Aid (RPA):

Source (s)	RPA Amount		Amount	Amount	Amount	Remarks
	As per Project Document	As per Agreement	Spent	Claimed	Re-imbrued	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Not Applicable						

**B. IMPLEMENTATION POSITION**

13. Implementation Period:

Implementation Period as per Project Document		Actual implementation	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
(1)	(2)	(3)	(4)	(5)
March 2021 to June 2023	March 2021 to June 2024	March 2021 to June 2024	+75%	<p>After the approval of the project in 2022 it is observed that The price of fuel oil has increased by 2 times and every construction material cost increases. At that time, the market price was much higher than the schedule of rates for the financial year 2019-20, so the approval of the new rate schedule was awaited. Due to the delay and uncertainty in approving the new rate schedule, tenders were invited on September 22 as per the schedule of rates for the financial year 2019-20.</p> <p>ADP allocation in favor of the project in FY 2022-23 is Tk 500.00 lakh and as the project belongs to "B" category, the amount of money deductible in favor of the project as per the government order is Tk 375.00 lakh. Due to inadequacy of funds allocated in favor of the project, the desired progress of the project was not possible and as the work could not be completed within the sanctioned time frame. So, the duration of the project was extended by 1 year without increasing the cost.</p>

R

## 14. 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)
Taka	3079.30	3079.30	2384.08	(-) 22.58%	(i) Through e-gp system quoted price of tenderer was 10% less of the official cost estimate. (ii) There was a provision of precautionary geo-bag for coming monsoon, but was not needed because water level was low. (iii) There was a restriction of MoF for buying new vehicle. (iv) Fuel use restriction by MoF.

## 15. Information regarding Project Director (s):

Name, Main Designation & Grade. Mobile Number (From Beginning)	Full time (Yes/No)	Part time (Yes/No)	Responsible for more than one project	Period		Remarks
				Joining	Transfer	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bejoy Indra Sanker Chakraborty, Executive Engineer, Narsingdi WD Division BWDB, Narsingdi Scale: 5th Grade (43000-69850)	Yes	-	Yes	12-10-2017		Also PD of CCTF Project

## 16. Personnel:

**16.1 Personnel of Project implementation Unit (PIU):** Project work has been implemented by existing manpower of Narsingdi WD Division, BWDB, Narsingdi. There is no provision of project personnel recruitment on this project.

Sl. No.	Name of Post (Grade)	Approved Strength	Employed during Implementation
(1)	(2)	(3)	(4)
Not Applicable			
Total=			

## 16.2 Personnel Required after the Project Completion:

Sl. No.	As Proposed in Project Document (PD)		Recruited (Yes/No)	If not recruited explain reason and latest status
	Name of Post	Number		
(1)	(2)	(3)	(4)	(5)
Existing manpower of the implementing agency were deployed during execution of the project.				
Total=				

B

17. Training (Foreign/Local):

Category	Sl. No.	No. of Days/Weeks/Months (D/W/M), Batch & Participants					
		As in Project Document			Achievement		
		D/W/M	Batch (s)	Participants(s)	D/W/M	Batch (s)	Participants(s)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Local Training		Not Applicable					
Sub Total=							
Foreign Training		Not Applicable					
Sub Total=							
Total=							

(PD= Project Document)

18. Component-wise Progress (As per latest approved Project Document):

Name of Component	Unit	Quantity	Estimated Cost (Taka in Lac)					Actual Progress (Taka in Lac)				
			Total	GOB	PA	Self-finance	Others	Total	GOB	PA	Self-finance	Others
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<b>(a) Revenue:</b>												
Domestic Travel expenses	LS	-	4.00	4.00	-	-	-	4.00	4.00	-	-	-
Petrol, Oil & Lubricant	LS	-	5.00	5.00	-	-	-	2.59	2.59	-	-	-
Stationery, seal & stamps	LS	-	1.50	1.50	-	-	-	1.50	1.50	-	-	-
Printing & Publications	LS	-	1.50	1.50	-	-	-	1.50	1.50	-	-	-
Honorarium/ Fee/ Remuneration for different committee (PSC,TEC,PIC etc.)	LS	-	2.00	2.00	-	-	-	1.99	1.99	-	-	-
Survey	LS	-	2.00	2.00	-	-	-	2.00	2.00	-	-	-
Conference / Seminar	LS	-	3.00	3.00	-	-	-	3.00	3.00	-	-	-
Sub-total (Revenue)			19.00	19.00				16.58	16.58			
<b>(b) Capital</b>												
Motor Cycle (125cc)-1 No	Nos	1	1.50	1.50	-	-	-	-	-	-	-	-
Computer & Accessories (with Laser Printer & Scanner).	Set	1	1.50	1.50	-	-	-	1.50	1.50	-	-	-
Afforestation	Item	1	2.00	2.00	-	-	-	2.00	2.00	-	-	-
Name of Component	Unit	Quantity	Estimated Cost (Taka in Lac)					Actual Progress (Taka in Lac)				
			Total	GOB	PA	Self-finance	Others	Total	GOB	PA	Self-finance	Others
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Bank Protective Work including Construction of 7 Nos Ghat From km. 70.000 to km. 71.700; Total 1700.00m along the right bank of Shitalakshya River at Taragonj	Km	1.700	1936.96	1936.96	-	-	-	1820.14	1820.14	-	-	-

B

Name of Component	Unit	Quantity	Estimated Cost (Taka in Lac)					Actual Progress (Taka in Lac)				
			Total	GOB	PA	Self-finance	Others	Total	GOB	PA	Self-finance	Others
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Bazar & adjoining area under Durgapur Union in Upazila: Kapasia, Dist: Gazipur under Narsingdi O&M Division, BWDB, Narsingdi during the year 2021-2022.												
Dredging Work of Shitalakhshya River from the km 68.00 to km 76.910: Total 8.910 Km in Upazila: Kapasia, Dist: Gazipur under Narsingdi O&M Division, BWDB, Narsingdi during the year 2021-2022. Earthwork- 675900.00 cum.	Km/Cum	8.910 km/6.759 lac Cum	1098.33	1098.33	-	-	-	543.86	543.86	-	-	-
Sub-total (Capital)			3040.30	3040.30	-	-	-	2367.50	2367.50	-	-	-
Total a+b (Revenue+ Capital)			3059.30	3059.30	-	-	-	2384.08	2384.08	-	-	-
(C) Physical contingency			10.00	10.00	-	-	-	-	-	-	-	-
(D) Price contingency			10.00	10.00	-	-	-	-	-	-	-	-
<b>Grand Total (A+B+C+D)cost :-</b>			<b>3079.30</b>	<b>3079.30</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2384.08</b>	<b>2384.08</b>	<b>-</b>	<b>-</b>	<b>-</b>

19. Procurement of Transport (in Nos.):

Type of transport	Number as per Project Document	Number Procured with date	Transferred to Transport Pool with date	Transferred to O & M with date	Condemned/damaged with date	Returned or transferred to following project	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Motor - Cycle	01	-	-	-	-	-	There was a restriction of MoF for buying new vehicle.

20. Project Consultant (s) (Local/Foreign): Not Applicable

Name of the Field	Approved man month		Actual man month utilized	Number of Deliverables		Remarks
	As per Project Document	As per contract		As per Project Document	Actual	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
a) Local:	Not Applicable					
b) Foreign:						

R

21. Infrastructure/Erection/Installation Tools & Equipment:

Description	Quantity (as per project document)	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)
Computer & Accessories (with Laser Printer & Scanner).	1 set	1 set Date: 22-06-2023	Yes Date: 30.06.2024	Yes Date: 30.06.2024	1 set	-

22. Procurement of Goods, Works and Services:

22.1 Information on packages:

a) Total number of packages as per Project Document: ----- (Goods- 03, Works- 04, Services- 0)

b) Total number of packages procured: ----- (Goods- 02, Works- 04, Services- 0)

c) Reason for not procuring (if any): **Goods- 01(There was a provision to buying a motorcycle but according to the order of MoF new vehicle could not buy).**

d) Number of packages for which the estimated cost is more than 1% of the estimated cost of the project: ---  
----- (Goods- ----- Works- ----- Services- -----)

22.2 Detailed Package-wise information of Goods, Works and Services (For each case the highest 50 (fifty) packages) (Please use the format as in Annexure-1 (a), l(b) and l(c))

13

## Information Related to Procurement of Goods:

Package No	As per Project Document Description of Package	Estimated Cost. (Taka in Lac)	Procurement Method	Approving Authority	Date of Tender Invitation	Name of Newspaper	Date of Opening	Date of Approval	Date of NOA	Contract Price & Date	Actual Payment	Date of Completion	
												As per Contract	Actual
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Nar-Gazi-G-2 & Nar-Gazi-G-2/1	Purchase of computer and accessories (including printers and scanners).	Plan 1.50 Actual 1.50 Deviation	DPM/RFO RFO	EE PD	01.04.2021 16.04.2023 08.04.2024		24.04.23 15.04.24	26.04.23 18.04.24	04.01.23 18.04.24	0.75 30.04.23 & 0.75 22.04.24	0.75 & 0.75 = 1.50	07.05.23 & 29.04.24	07.05.23 & 29.04.24
Nar-Gazi-G-3	Afforestation	Plan 2.00 Actual 2.00 Deviation	DPM/RFO RFO	EE PD	01.04.2021 31.05.2023 790 days		05.06.23	08.06.23	12.06.23	2.00 14.06.23	2.00	27.06.23	25.06.23

\* Please mention Dates for plan and actual

\* Deviation in days (difference between plan and actual)

\* Plan as per procurement plan described in project document

R

**Information Related to Procurement of Works:**

As per Project Document		Estimated Cost. (Taka in Lac)	Procurement Method	Approving Authority	Date of Tender Invitation	Name of Newspaper	Date of Opening	Date of Approval	Date of NOA	Contract Price & Date	Actual Payment	Date of Completion	
Package No.	Description of Pack age											As per Contract	Actual
Nar-Gazi-W-1	(2) Bank Protective Work including Construction of 2 Nos Ghat From km 70.000 to km 70.600; Total 600.00 m along the right bank of Shitalakshya River at Taragonj Bazar & adjoining area under Durgapur Union in Upazila: Kapasia, Dist: Gazipur under Narsingdi O&M Division, BWDB, Narsingdi during the year 2021-2022.	(3) Plan 487.314	(4) OTM	(5) SE	(6) 01.04.2021	(7) 1) The Financial Express	(8) 11.10.22	(9) 29.11.22	(10) 04.01.23	(11) 471.07	(12) 447.18	(13) 27.06.23	(14) 15.06.24
		Actual 487.314	OTM	SE	28.08.2022	2) Bangladesh Khabor							
		Deviation			514 days	3) Doinik Gramteen Darpon							
Nar-Gazi-W-2	Bank Protective Work including Construction of 3 Nos Ghat From km 70.600 to km 71.300; Total 700.00 m along the right bank of Shitalakshya River at Taragonj Bazar & adjoining area under Durgapur Union in Upazila: Kapasia, Dist: Gazipur under Narsingdi O&M Division, BWDB, Narsingdi during the year 2021-2022.	Plan 912.545	OTM	SE	01.04.2021	1) The Financial Express	11.10.22	08.02.23	08.02.23	887.36	880.26	25.06.23	02.04.24
		Actual 912.002	OTM	SE	28.08.2022	2) Bangladesh Khabor				19.02.23			
		Deviation			514 days	3) Doinik Gramteen Darpon							
Nar-Gazi-W-3	Bank Protective Work including Construction of 2 Nos Ghat From km 71.300 to km 71.700; Total 400.00 m along the right bank of Shitalakshya River at Taragonj Bazar & adjoining area under Durgapur Union in Upazila: Kapasia, Dist: Gazipur under Narsingdi O&M Division, BWDB, Narsingdi during the year 2021-2022.	Plan 537.108	OTM	SE	01.04.2021	1) The Financial Express	11.10.22	08.01.23	08.01.23	524.62	492.70	27.06.23	28.02.24
		Actual 537.108	OTM	SE	28.08.2022	2) Bangladesh Khabor				12.01.23			
		Deviation			514 days	3) Doinik Gramteen Darpon							
Nar-Gazi-W-4	Dredging Work of Shitalakshya River from the km 68.00 to km 76.910; Total 8.910 Km in Upazila: Kapasia, Dist: Gazipur under Narsingdi O&M Division, BWDB, Narsingdi during the year 2021-2022.	Plan 1098.338	OTM	SE	01.04.2021	1) The Financial Express	11.10.22	09.02.23	09.02.23	988.49	543.86	01.06.23	15.06.24
		Actual 1098.328	OTM	SE	28.08.2022	2) Bangladesh Khabor				23.02.23			
		Deviation			514 days	3) Doinik Gramteen Darpon							

\* Please mention Dates for plan and actual  
 \* Deviation in days (difference between plan and actual)  
 \* Plan as per procurement plan described in project document

R

**Information Related to Procurement of Services:**

As per Project Document Package No (1)	Description of Package (2)	Estimated Cost. (Taka in Lac)		Procurement Method (4)	Approving Authority (5)	Date of Tender Invitation (6)	Name of Newspaper (7)	Date of Opening (8)	Date of Approval (9)	Date of LOA (10)	Contract Price & Date (11)	Actual Payment (12)	Date of Completion		
		Plan (3)	Actual										As per Contract (13)	Actual (14)	

Not Applicable

- \* Please mention Dates for plan and actual
- \* Deviation in days (difference between plan and actual)
- \* Plan as per procurement plan described in project document

R

### C. FINANCIAL AND PHYSICAL TARGET AND PROGRESS

#### 23. Original and Revised Financial Provision and physical Target (as per Project Document):

Financial Year	Financial provision & physical target as per original Project Document						Financial provision & physical target as per latest revised Project Document					
	Total	GOB	P.A.	Self-finance	Others	Physical %	Total	GOB	P.A.	Self-finance	Others	Physical %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2020-21	205.50	205.50	-	-	-	6.67%	-	-	-	-	-	-
2021-22	1470.09	1470.09	-	-	-	47.74%	-	-	-	-	-	-
2022-23	1403.71	1403.71	-	-	-	45.59%	-	-	-	-	-	-
2023-24	-	-	-	-	-	-	-	-	-	-	-	-
	3079.30	3079.30				100%	-	-	-	-	-	-

#### 24. Revised ADP allocation and progress:

Financial Year	Revised Allocation & target						GOB Release	Expenditure & physical progress						Unspent* GoB Released
	Total	GOB	P.A.	Self-Finance	Others	Physical %		Total	GOB	P.A.	Self-Finance	Others	Physical %	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)= 8-10
2020-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022-23	1100	1100	-	-	-	50%	1097.00	1095.02	1095.02	-	-	-	40%	1.98
2023-24	1640	1640	-	-	-	50%	1428.70	1289.06	1289.06	-	-	-	59%	139.64
Total=	2740	2740				100%	2525.70	2384.08	2384.08	-	-	-	99%	141.62

\*Attach the Proof for Reconciliation of Unspent GOB Released

\*\*To determine the physical quantity, use the formula as in the circular of Planning Division

### ACHIEVEMENT OF OBJECTIVES OF THE PROJECT

#### 25. Project objective, Actual achievement and Reason for shortfall (if any)::

Objectives as per Project Document	Actual achievement	Reasons for shortfall (if any)
A) To arrest river bank erosion and flood protective coverage by construction of river bank protective works.	By construction of river bank protective works The approximate value of the saved properties is Tk.13, 915.00 lakh.	
B) To increase the conveyance capacity of Shitalakshya River at Taragonj Bazar & Adjoining Area of Durgapur Union under Kapasia Upazila in Gazipur District by Dredging.	Due to the dredging of the Shitalakshya river, along with the increase in transport capacity, navigation, crop production and fishing have become easier in the respective project areas.	
C) The Project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Kapasia Upazila in Gazipur District.	The constructed Protective works adjacent areas have become a recreational place for the local community. There is no adverse affect for the environment. However tree plantation has positive impact for the environment.	
D) Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.	Employment, income generation and living standards of the people of the area have been increased. Overall socio-economic conditions are upgrading and positive environmental impact is increasing. By dredging of River Better water management in the project area is enhanced with the irrigation facility, Navigation, Sustainable multiple use of the project in the area is increasing by fish culture, afforestation, ground water recharging etc,	

R

#### D. BENEFIT ANALYSIS

26. Annual Out-put:

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-put during the 1 <sup>st</sup> year of operation at full capacity (or during, real production for newly completed project)
a) Building/Homestead	nos.	25	50
b) Kacha/semi pucca Homestead	nos.	300	350
c) Cultivate land of the local people	acre	250	300.00
d) Crops of cultivate land of the local people	ton	1800.00	1800.00
e) Kacha/semi pucca/Pucca shops	nos	120	200
f) Metalled Road	km	10.00	10.00
g) Market	nos.	1	1
h) Eidgah	nos.	1	2
i) Madrasha	nos.	1	2
j) High School	nos.	3	3
k) Primary School	nos.	3	3
l) Union Parishad Complex	nos.	1	1
m) Mosque	nos.	5	5
n) Bank	nos.	1	1
o) Community Clinic	nos	1	1
p) Ma O Shishu Kollan Kendro	nos.	1	1
q) Irrigation Pump System	nos	1	1
r) Building/Homestead	nos.	25	50

27. Cost/Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project:		It will be evaluated later by concerned directorate of BWDB & IMED.
(i) Financial	-	
(ii) Economic	2.09 : 1.00	
(2) Internal Rate of Return:		
(i) Financial	-	
(ii) Economic	32.75%	

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

#### E. MONITORING AND AUDITING

29. Monitoring:

Name & Designation of the inspecting official	Date	Identified Problems	Recommendations
1	2	3	4
a) IMED:			
Aysha Akter	28.04.2023	Cumulative financial	Project PIC and PSC meeting

B2

Name & Designation of the inspecting official	Date	Identified Problems	Recommendations
Director (Deputy Secretary), IMED.		progress of the project is 2.67% and actual progress is 14.00%. Considering the slow pace of work due to inadequacy in allocations and increase in the cost of construction materials, extension of the duration without increasing the cost of the project appears to be logical.	should review whether activities are being implemented as per action plan; It is essential to expedite the work. Erosion prone areas of the project area need to be protected by geo bags before the upcoming monsoon and flood season. The dredging activities of the said project would have started quickly: the work needed to be completed within the proposed extended period.
b) Ministry/Agency:			
Mohammad Lutfur Rahman (BPAA) Joint Secretary, MoWR	27.04.2024	No major problems identified	Project must be completed within stipulated time. Dredged earth must be managed in planned way.
Md. Asaduzzaman Chief Engineer Central Zone, BWDB, Dhaka.	16.01.2024	No major problems identified	Bank Protection works shall be finished as soon as possible. Instructed to follow approved designs for construction works & to complete within the stipulated time.
Umme Fatema Romana Afroza Superintending Engineer, Design Circle-1, BWDB, Dhaka	07.04.2024	No major problems identified	Instructed to follow approved designs for construction works. Project must be completed within stipulated time.
Mahbube Moula Md. Mehedy Hasan Executive Engineer Office of the Chief Engineer Planning, BWDB, Dhaka	07.04.2024	No major problems identified	Instructed to follow approved Project must be completed within stipulated time.
Dewan Aynul Haque Superintending Engineer, Dhaka WD Circle-1, BWDB, Dhaka.	27.04.2024	No major problems identified.	Instructed to follow approved designs for construction works.
Md. Kohinoor Alam Superintending Engineer, Dhaka WD Circle-2 BWDB, Dhaka.	29.06.2024	No major problems identified.	Satisfied by the completed works.
Md. Arif Hossen Executive Engineer Design Circle-1, BWDB, Dhaka.	07.07.2024	No major problems identified.	Satisfied.
c) Others: (Please specify)			
N/A			

B

30. Auditing during and after Implementation:

30.1 Internal Audit:

Period of Audit	Date of submission of Audit Report	Sl. No.	Major findings/objections and Money involved	Whether objections resolved or not (if not, mention status)
1	2	3	4	5
Not conducted yet				
Total findings/objections and Money involved=				

30.2 External Audit:

Period of Audit	Date of submission of Audit Report	Sl. No.	Major findings/objections and Money involved	Whether objections resolved or not (if not, mention status)
1	2	3	4	5
2022-2023	19-10-2023	01	Revenue loss to the government due to non-collection of Value Added Tax (Musak) on insurance premiums is Tk.236,903.00	Spot reply was submitted 19-10-2023
	19-10-2023	02	Irregular payment of Tk. 99.99,551 to the contractor showing performance without post work measurement report by the task force.	Spot reply was submitted 19-10-2023
	19-10-2023	03	Inspite of having sufficient technical capacity and manpower, the financial loss of the government by paying the bill to the contractor on 30th June 2023 in the name of survey work is Tk 1,04,36,268/-	Spot reply was submitted 19-10-2023
2023-2024	Not conducted yet			
Total findings/objections and Money involved=			03 (Three) nos, objections and Tk. 36996169/- involved	

**F. POST-PROJECT REMARKS**

31. General Observations/Remarks on the Project

31.1 Background

The Project area is located at Durgapur Union under Kapasia Upazila in Gazipur District. Total of 11 unions of Kapasia Upazila are divided on two sides by Shitalakshya river. Out of the 11 Unions under discussion, the area from the north side of Taragonj Bazar in Durgapur Union to Mollaghat in Ekdala village is located on the right bank of Shitalakshya River which is suffering due to erosion. About 80 percent of the people of Ekdala village of Durgapur union live on the right bank of Shitalakshya River. Along the banks of this village there are many important public and private establishments including the traditional Taragonj market, a government hospital, fertile agricultural land, Eidgahmat. Taragonj H, N High School, established in 1919, was also removed from the river bank and placed on the west side of Taragonj Bazar, due to its disappearance into the river bed. About one and a half kilometer area of Ekdala village is suffering due to continuous erosion. In the area on the other side of the river, silt is continuously accumulating and char is increasing. Already, about 50 feet from the main road towards the river has disappeared under the river. Moreover, due to the rapid flow of flood water during the monsoon season; the homesteads and crop lands of the local people have been destroyed in the river. In this situation,

R

dignitaries including local public representatives and people of various professions expect a quick solution to the problem of river erosion in the mentioned places and build the necessary infrastructure as soon as possible for their lives, livelihood, educational institutions, health centers, road communication, mosques, Eidgahs in the area. , Isha Khan-Mansingh insisted on protecting a historical structure (Ekdala Fort) enmeshed with memories.

The Former Deputy Press Secretary of Honorable Prime Minister Mr. Muhammad Ashraful Alam Khokon requested the Hon'ble Planning Minister to protect Taragonj Bazar and adjacent areas from the impact of Shitalakshya river by implementing the proposed project. The Former, Hon'ble Minister of Planning sent a DO letter to The Former Hon'ble Minister of Water Resources asking for the appropriate solution and accordingly directed the Director General, Mr. BWDB to take necessary measures in the matter (Memorandum No. 20.00.0000. 100.14.014.17.303, Date: 26/04/2017). Later the Director General, BWDB, sir directed the formulation of a DPP for the said area.

~~In this situation, protective work on Shitalakshya River for the length of first 1.70 km and Dredging of Shitalakshya River for a length of 8.910 km was taken. A DPP was prepared on the recommendation of The Former, Hon'ble Minister of Planning sent a DO letter to The Former, Hon'ble Minister of Water Resources. Finally, the DPP was passed by the competent authority amounting to Tk.3079.30 Lac with the original implementation period March, 2021 to June, 2023.~~

### 31.2 Justification/Adequacy

By implementing 1.700 km of river bank Protective works in Taragonj Bazar and adjacent areas on the right bank of Shitalakshya River under Kapasia Upazila of Gazipur District, prevention of the destruction of the existing dam-cum-road erosion of the river bank. Determining the place of the river bank (bank line) by constructing permanent structures along the river bank so that the river bank and river encroachment is stopped.

In the project area Taragonj market, public houses, school-college, mosque-madrassa, temple, public-private infrastructure, road communication and crop land etc. assets worth approximately Tk 139.15 crore have been protected.

To reduce the intensity of river erosion by replacing the course of the river through river dredging and to improve the navigation by increasing the navigability of the river. Improvement of socio-economic conditions, drying up of area rivers and elimination of adverse national economic effects. Reducing poverty through increasing employment during project implementation.

### 31.3 Objectives

- To arrest river bank erosion and flood protective coverage by construction of river bank protective works.
- To increase the conveyance capacity of Shitalakshya River at Taragonj Bazar & Adjoining Area of Durgapur Union under Kapasia Upazila in Gazipur District by Re-excavation.
- The Project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Kapasia Upazila in Gazipur District.
- The approximate value of the save properties is Tk.13, 915.00 lakh.
- Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.
- Achieve gender equality and empower all women and girls.

B

- 31.4 Project revision with reasons  
Not Applicable
32. Rationale of the project (Consider the following issues):
- 32.1 Concept
- a) River banks for the protection of people's resources, agricultural land, public-private buildings, roads, markets, religious institutions (mosques, madrasas and temples), educational institutions etc. implementation of conservation work.
- b) Implementation of river bank slope conservation works from 70.000 to 71.700 km = 1.700 km of chainage on the right bank of Shitalakshya River in places affected by river erosion.
- c) The chainage of Shitalakshya River from 68,000 km to 76.910 km = 8.910 km to increase the navigability of the river during the dry season and to reduce the severity of river erosion by replacing the river course, resources were kept for dredging work.
- d) ~~Proposed river conservation work in the Shitalakshya river erosion-prone area is~~ consistent with the objective of "Delta Plan 2100" to develop integrated and sustainable river basin and estuary management.
- e) The idea of implementing the project is very reasonable from financial and economic point of view.
- 32.2 Design  
Bank protective work's design includes guide wall material at eroded bank with CC Block of width 1.40m to 2.10 meter from right bank of Shitalakshya river. The theme of the design allows two-layer CC block as guide wall in eroded area there will be a defined protected river bank slope. It should be noted that river has started showing stable nature as expected during implementation period. No abnormal collapse of the bank has been found which would be the major unexpected drawback. It can be said that the design concept is very much responsive to the hydro-morphological condition of the project area. Bank slope protection was done by pitching CC Blocks on the river side slope which is performing well like previously implemented projects. On the other hand, dredging has been done for the sustainability of the protective work.
- 32.3 Location  
The location of Taragonj bazaar is under Durgapur Union in Kapasia Upazila of Gazipur District.
- 32.4 Timing.  
March, 2021 to June 2024.
33. Brief description on planning and financing of the project and its applicability (Consider the following issues):
- 33.1 Project Identification  
The Project was initially identified by local politicians, local elites, public representatives, local administrative etc. Those Stakeholders earnestly requested the Later, Hon'ble Minister of Planning address the problem generating from the erosion of Shitalakshya River. Accordingly, then Later, Hon'ble Minister of Planning sent a DO letter to Later, Hon'ble Minister of Water Resources to take up the project.
- 33.2 Project Preparation  
The project was formulated as per the report submitted by the technical committee formed by BWDB on January, 2018
- 33.3 Appraisal  
PEC meeting of the project was held on 16 February 2022 at Planning Commission.
- 33.4 Credit Negotiation  
Not Applicable.
- 33.5 Credit Agreement  
Not Applicable.

- 33.6 Credit Effectiveness  
Not Applicable.
- 33.7 Loan Disbursement  
Not Applicable.
- 33.8 Loan Conditions  
Not Applicable.
- 33.9 Project Approval  
The project was approved on 16-02-2022 by Honorable Minister, Ministry of Planning.
- 33.10 Others(specify)  
Not Applicable.
- 
34. Analysis of the post- implementation situation and result of the project (Consider following issues):
- 34.1 Whether the beneficiaries of the project have clear knowledge about the Target/Objectives of the project.  
Yes
- 34.2 Programme for use of created-facilities of the project  
The stakeholders are directly taking advantages of the created facilities of the project.
- 34.3 O & M Program of the project.  
Post Project recurrent O&M works will be arranged from the regular O&M allocation.
- 34.4 Impact of the project (Direct & Indirect)  
**Direct:**
- Protection of river bank erosion on right bank of Shitalakshya River.
  - Protection of surrounding community from inundation during monsoon period.  
Due to Dredging, water carrying capacity & navigation of Shitalakshya River has increased.
- Indirect:**
- Socio-economic development of the project area.
  - Safety of public and government owned assets and natural resources.
- 34.5 Transfer of Technology and Institutional Building through the project.  
Not Applicable.
- 34.6 Employment generation through the project.  
Yes. Employment generated for skilled/unskilled manpower during construction period. As the project has protected Taragonj Bazar, Taragonj H, N High School, so definitely there is further opportunities for employment generation.
- 34.7 Possibility of Self-employment.  
There are possibilities of self-employment as existing commercial & business centers are protected.
- 34.8 Possibility of Women-employment opportunity.  
Yes, there is possibility of women-employment through the project.
- 34.9 Women's participation in development.  
Yes.
- 34.10 Probable Impact on Socio-Economic activity.  
By protecting the river bank erosion, the threat on the living community of being landless and homeless has been eradicated and henceforth the local business has been flourished in full swing. As a result, the socio-economic life has revived ensuring a sustainable growth.
- 34.11 Impact on environment.

B

Environmental enhancement is achieved through the implementation of the Project. Bank erosion hazards of environment are eradicated in order to ensure the safety of local community as well as to boost up the flow capacity of river.

- 34.12 Sustainability of the project.  
The project is sustainable but requires periodic maintenance.
- 34.13 Contribution to poverty alleviation/reduction.  
The project fulfilled the following benefits in compatible strategic goal i.e., a) Reduction of vulnerability to river erosion, b) Growth of local business on the protected bank of Shitalakshya river, c) The enhanced depth due to dredging will facilitate the navigation, the production of crop and fishery of concerned project area.

- 34.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.  
Positive remarks regarding the project's implementation.

- 34.15 Contribution of Micro-credit programs and Comments on overlapping with any NGO activities.  
Not Applicable

35. Problems encountered during Implementation (with duration & steps taken to resolve those)  
(Consider following issues):

- 35.1 Project management: Not Applicable
- 35.2 Project Director: Not Applicable
- 35.3 Land Acquisition: Not Applicable
- 35.4 Procurement: Not Applicable
- 35.5 Consultancy: Not Applicable
- 35.6 Contractor: The Contractors of the Project were not able to complete the works in original implementation period due to various reasons. Thus, the time extensions of the packages were made and the project period was extended accordingly.
- 35.7 Manpower: Not Applicable
- 35.8 Law & Order: Not Applicable
- 35.9 Natural calamity: Not Applicable
- 35.10 Project financing: Not Applicable
- 35.11 Allocation and release: The project was ADP 2022-23 drop-outs. Later it has been included in RADP 2023-24,
- 35.12 Design formulation/approval: Not Applicable
- 35.13 Project aid disbursement and re-imburement: Not Applicable
- 35.14 Mission of the development partners: Not Applicable
- 35.15 Time & Cost Over-run: Not Applicable
- 35.16 Project Monitoring: Not Applicable
- 35.17 Delay in Decision: Not Applicable
- 35.18 Transport, Training: Not Applicable
- 35.19 Approval and Others: Not Applicable

B

36. Remarks & Recommendations of the Project Director:

The main objective of the project "Protection From River Erosion of Shitalakshya River at Taragonj Bazar & Adjoining Area of Durgapur Union under Kapasia Upazila in Gazipur District" is to protect the bank of Shitalakshya river on right sides about 1700 meter from the erosion and dredging the river for a length of 8.910 km. Due to implementation of the project, physical safety and sense of security among the stakeholders have been developed, resulting in enhanced investment in commercial buildings, enhanced investment in business and development work and have also caused positive impacts on agriculture and fish cultivation and land prices which will cause enhanced opportunity of employment and poverty alleviation.

"Protection from River Erosion of Shitalakshya River at Taragonj Bazar & Adjoining Area of Durgapur Union under Kapasia Upazila in Gazipur District." project has made a positive impact upon the project area and the inhabitants in various ways. The project has improved the socio-economic status of the area. The inhabitants inside the project area are getting the benefits of the project in fullest. The land/ river bank erosion on right sides of Shitalakshya River is protected and has been made stable. The households and markets on the protected river bank will enjoy the security and its beautification. Dredging of Shitalakshya river has made a huge impact on irrigation, fish cultivation, transportation and utilization of river water on household activities. Thus, the implementation of this project endorses a strong positive impact on socio economic life by fulfilling the goals 1 & 6 of Sustainable Development Goals (SDGs) set by United Nations Development Programme.

This project is performing well and good and as per expectation and can be declared as sustainable. Like any other development projects especially as a hydrological project of more numbers of uncertainties, it will require periodic maintenance of the physical structures. Upon ensuring periodic maintenance as per requirement, the life of the project can be extended up to greater extent.

Date.....24.09.24.....



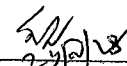
Signature and seal of the Project Director

**(Bajoy Indra Sankar Chakraborty)**  
**Executive Engineer**  
**Narsingdi WD Division**  
**BWDB, Narsingdi.**

37. Remarks/Comments of Agency Head:

The main objective of this project was to protect river bank erosion and to increase the conveyance capacity of the Shitalakshya River by dredging at Taragonj Bazar & Adjoining Area of Durgapur Union under Kapasia Upazila in Gazipur District. With the implementation of river bank protection work along the river, the public property in the project area has been secured, and by dredging the Shitalakshya River, the conveyance capacity of the river has been developed. As a result, the socio-economic condition of the area and the natural environment have been rationalized by the implementation of the project. Thus, this project can be regarded as a successful one.

Date.....24-09-24.....



Signature and seal of Agency Head

**(Muhammad Amirul Haq Bhuiya)**  
**ID No. 660118001**  
**Director General**  
**BWDB, Dhaka.**

38. Remarks/Comments of the Secretary/Senior Secretary of the Ministry/Division:

The project has been completed successfully. Regular maintenance and monitoring should be ensured by Bangladesh Water Development Board for the sustainability of the project.

Date.....

\_\_\_\_\_  
Signature and seal of Secretary

