

PROJECT COMPLETION REPORT

IMED 04/2003 (Revised)



Project Name: Protective work along the Right Bank of Padma River at Philipnagar, Abed's ghat and Islampur area of Daulatpur upazilla under the District Kushtia (1st Revised).

Name of Division : Amla WD Division, BWDB, Amla, Kushtia.

Name of Circle : Kushtia O&M Circle. BWDB, Kushtia.

Name of Zone : Western Zone, BWDB, Faridpur.

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 : Protective work along the Right Bank of Padma River at Philipnagar, Abed's ghat and Islampur area of Daulatpur upazilla under the District Kushtia (1st Revised).
02. Administrative Ministry/Division : Ministry of Water Resources.
03. Executing Agency : Bangladesh Water Development Board.
04. Location of the Project : Kushtia.
05. Objective of the Project : The main objectives of the project are:
- To protect Philipnagar, Abed's ghat and Islampur area under Daulatpur upazilla in the District of Kushtia from the erosion of the Padma River by execution of 2150 meter revetment work along the Right Bank of Padma River.
 - To avoid future threat to the India-Bangladesh International Power Grid Line .
 - To Save the GK Irrigation project area by protecting the joining of the river Padma & Hishna.
 - To save huge immovable public & private properties inside of Raita-Moheshkundi flood embankment with estimated total worth of Tk. 46788.00 lakh

06. Estimated Cost :

	(In lakh Taka)	
	Original	Latest Revised
(a) Total	8352.04	8680.76
(b) Taka	8352.04	8680.76
(c) Foreign Currency	0.00	0.00
(d) Project Aid	0.00	0.00
(e) RPA	0.00	0.00

07. Date of Approval :

PCP	PP
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- (a) Original : 04-08-2015.
- (b) Latest Revised : 29.09.2016.
(1st Revise)



08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	May'2015	June'2017
(b) 1 st Revised	May'2015	June'2017
(c) Actual	May'2015	June'2017

09. Financing Arrangement (Source-wise) :

9.1 Status of Loan/Grant

a) Foreign Financing : Not Applicable

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

b) GOB :

(In lakh Taka)			
Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
8680.76	-	8680.76	-

9.2 Utilization of Project Aid : (Source wise) N/A.

Source (s)	Total Amount		Actual Expenditure		Unutilized Amount	
	In US \$	In Local Currency	In US \$	In Local Currency	In US \$	In Local Currency
	2	3	4	5	6	7

9.3 Re-imbursible Project Aid (RPA): N/A.

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

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
May'2015 to June'2017	May'2015 to June'2017	May'2015 to June'2017	-	Project completed on time.

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	8352.04	8680.76	8450.51	1.18%	Due to change in rate of schedule project cost enhance through RDPP.
TAKA	8352.04	8680.76	8450.51		
PA	-	-	-		

03. Project Personnel : Project work has been implemented by existing manpower of BWDB.

Sanctioned strength as per PP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per pp	Existing manpower for O & M	Others		
1	2	3	4	5	Male	Female
Officer (s)	Existing manpower of the implementing agency were deployed during execution of the project					
Staff(s)						
Total :						



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

Field of Training /Study tour/workshop/S eminar 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	N/A				
b. Local	N/A				

05. Component-wise Progress (As per latest approved PP) :

(In lakh Taka)

Sl. No.	Items of work	Unit	Target (as per PP)		Actual Progress		Reasons for deviation (±)
			Finan cial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7	8
(a) Revenue Component							
1	Survey & Investigation	item	5.00	100% (1 item)	4.89	100.00% (1 item)	
2	Petrol & Lubricant	item	7.00	100% (1 item)	7.00	100% (1 item)	
3	Printing & Publication	L/S	2.00	100% (L/S)	2.00	100% (L/S)	
4	Office Stationeries	item	2.00	100% (1 item)	1.97	100% (1 item)	
5	a)Honourium for Different committee	L/S	2.00	100% (L/S)	2.00	100% (L/S)	
6	b)Honourium for Mid-Term Evaluation committee	L/S	8.00	100% (L/S)	7.10	100% (L/S)	
7	c)Honourium for Progress Monitoring committee	L/S	2.00	100% (L/S)	0.83	100% (L/S)	
8	Repair & Maintenance of existing vehicles	item	5.00	100% (1 item)	4.98	100.00% (1 item)	
9	Repair & Rehabilitation of office, rest house, colony, boundary wall etc.	item	50.00	100% (1 item)	49.63	100.00% (1 item)	
a) Revenue Total			83.00		80.40		
(b) Capital Component							
Acquisition of Assets							
1	Jeep (2477 C.C., 1No) (5 Doors, Diesel) (Manufactured by PRAGATI)	nos	72.00	100% (1nos)	70.81	100% (1nos)	
2	Motor Cycle-2 Nos	nos	3.00	100% (2 no)	3.00	100% (2 no)	
3	Bi-Cycle-5 Nos	nos	0.40	100% (5 nos)	0.40	100% (1 no)	
4	Brand New Photocopy Machine & accessories-1 No	nos	1.50	100% (1 no)	1.50	100% (2 Set)	
5	Brand New Computer with Laser Printer & accessories. (One Laptop, Two Desktop, Two laser Printer & Two Scanner etc) - 3 Nos (2for BWDB & 1 for PC)	nos	2.10	100% (3 nos)	2.10	100% (L/S)	
6	Leveling instruments with Stands - 2 Nos.	nos	2.00	100% (2 nos)	2.00	100%	

						(L/S)	
7	Differential GPS-1 Set	set	3.00	100% (1 set)	3.00		
Construction and Civil Works							
8	Protective work at Right bank of Padma River from km. 12.375 to km. 13.230 and km. 13.850 to km. 15.100 = 2150 M at Daulatpur Upazilla in Kushtia District.	m	8503.76	100% (2150m)	8287.30	100% (2150m)	
Capital Sub Total (b)			8587.76	100%	8370.11		
Total (a+b)			8670.76	100%	8450.51		
Price Contingency		1 item	5.00	-	-		
Price Contingency		1 item	5.00	-	-		
Grand Total (a+b)			8680.76	100%	8450.51	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
A K M Waheduddin Chowdhury Superintending Engineer	Full time	-	-	03.11.2015	05.10.2016	
Md. Naimul Haque Superintending Engineer	-do-	-	-	30.11.2016	05.06.2017	

07. Procurement of Transport (in Nos.) :

Type of transport	Number as per P.P.	Procured with date	Transferred to Transport Pool with date	Transferred to O & M with date	Condemned /damaged with date	Remarks
1	2	3	4	5	6	7
Jeep	1 Nos.	june/2016	-	office of Chief Engineer, Western Zone, BWDB, Faridpur. 01-07-2017	-	Chief Engineer, western zone using it for O & M purpose
Motor Cycle	2 Nos	june/2016	-	Amla WD Division, BWDB, Amla Kushtia 01-07-2017	-	Amla WD Division using it for O & M purpose
Bi-Cycle	5 Nos	june/2016	-	Amla WD Division, BWDB, Amla Kushtia 01-07-2017	-	

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
Bank Protective Work (from km. 13.805 to km. 13.940) ID-39041 (Package no. W-1/AML/14-15/L-1)	592.19	580.95	03-12-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 13.940 to km. 14.075) ID-39042 (Package no. W-1/AML/14-15/L-2)	587.81	552.52	03-12-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 14.075 to km. 14.210) ID-39043 (Package no. W-1/AML/14-15/L-3)	456.98	456.98	03-12-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 14.210 to km. 14.345) ID-39044 (Package no. W-1/AML/14-15/L-4)	472.82	472.82	03-12-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 14.345 to km. 14.480) ID-39045 (Package no. W-1/AML/14-15/L-5)	455.71	455.71	03-12-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 14.480 to km. 14.590) ID-39229 (Package no. W-2/AML/14-15/L-6)	365.56	365.56	04-11-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 14.590 to km. 14.700) ID-39230 (Package no. W-2/AML/14-15/L-7)	367.45	357.45	04-11-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 14.700 to km. 14.820) ID-39231 (Package no. W-2/AML/14-15/L-8)	399.22	389.21	04-11-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 14.820 to km. 14.930) ID-35721 (Package no. W-3/AML/14-15/L-9)	423.5	423.5	04-11-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 14.930 to km. 15.100) ID-39233 (Package no. W-4/AML/14-15/L-10)	556.4	556.4	03-12-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (U/S End Termination) ID-39232 (Package no. W-5/AML/14-15/L-11)	590.88	590.88	03-12-15	14-02-16	16-05-17	29-06-17
Bank Protective Work (from km. 12.375 to km. 12.420) Including (D/S End Termination) ID-56426 (Package no. W-1/AML/15-16/L-12)	450.2	450.195	05-05-16	04-10-16	31-05-17	29-06-17
Bank Protective Work (from km. 12.420 to km. 12.645) ID-56427 (Package no. W-2/AML/15-16/L-13)	778.8	778.8	05-05-16	06-09-16	31-05-17	29-06-17
Bank Protective Work (from km. 12.645 to km. 12.870) ID-56428 (Package no. W-3/AML/15-16/L-14)	769.21	769.21	05-05-16	06-09-16	31-05-17	29-06-17

Bank Protective Work (from km. 12.870 to km. 13.095) ID-56429 (Package no. W-4/AML/15-16/L-15)	769.21	769.21	05-05-16	06-09-16	31-05-17	29-06-17
Bank Protective Work (from km. 13.095 to km. 13.230) ID-56430 (Package no. W-5/AML/15-16/L-16)	467.82	467.82	05-05-16	06-09-16	31-05-17	29-06-17

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

Tk.& Dollar in

Lakh

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

09. Construction/Erection/Installation Tools & Equipment :

Description of items	Quantity (as per PP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7
Not Applicable						

C. FINANCIAL AND PHYSICAL PROGRAMME :

01. (a) Original and revised schedule as per PP :

(In lakh Taka)

Financial Year	Financial provision & physical target as per original PP				Financial provision & physical target as per latest revised PP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2014-15	208.00	208.00	-	2.49%	0.00	0.00	-	0.00%
2015-16	4088.00	4088.00	-	48.95%	2495.08	2495.08	-	28.74%
2016-17	4056.04	4056.04	-	48.56%	6185.68	6185.68	-	71.26%
Total	8352.04	8352.04	-	100%	8680.76	8680.76	-	100.00%

01. (b) Revised ADP allocation and progress :

(In lakh Taka)

Financial Year	Revised Allocation & target				Taka release	Expenditure & physical progress			
	Total	Taka	P.A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2015-16	2495.08	2495.08	-	28.74%	2495.08	2495.08	2495.08	-	29.53%
2016-17	6185.68	6185.68	-	71.26%	6165.72	5955.43	5955.43	-	70.47%
Total	8680.76	8680.76	-	100.00%	8651.8	8580.51	8580.51	-	100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
The Main objective of the project is to protect Philipnagar, Abed's ghat and Islampur area under Doulatpur upazilla in the District of Kushtia from the erosion of the Padma River by execution of 2150 meter revetment work along the Right Bank of Padma River.	2.150 km revetment works along the Right Bank of Padma River has been completed. After Completion of the project 2.150 km bank erosion along the right bank of the Padma River is now protected.	No shortfall
To avoid future threat to the India-Bangladesh International Power Grid Line .	Threat to the India-Bangladesh International Power Grid Line due to bank erosion has been minimized to risk free level.	
To Save the GK Irrigation project area by protecting the joining of the river Padma & Hishna	2.150 km protective work will resist the possibility of joining of the river Padma & Hishna through Bank erosion. As a result GK Irrigation project area will be protected	
To save huge immovable public & private properties inside of Raita-Moheshkundi flood embankment with estimated total worth of Tk. 46788.00 lakh	After the implementation of the protective work valuable public land, different establishments and other properties in the project area and it's vicinity has been saved from river bank erosion.	

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).
2150.m river bank revetment work	m	2150.00m	2150.00m

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project (i) Financial (ii) Economic	1.47:1.00 1.68:1.00	Will be evaluated later by concern project evaluation office of BWDB.
(2) Internal Rate of Return (i) Financial (ii) Economic	19.48% 23.06%	

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



F. MONITORING AND AUDITING

0.1 Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
<u>Ministry / Agency:</u> Mid-Term Evaluation committee consisting of 12(twelve) members: 1) Seikh Nazrul Islam Chief, Agriculture, Water Resources and Rural Institutions Division, Planning Commission. 2) Mr. Abdul Azim Chowdhury Joint Chief (irrigation), Planning Commission. 3) Mr. Montu Kumar Biswas Joint Chief (Planning) Ministry of Water Resources. 4) Mr. Md. Siddiquir Rahman Director General, IMED 5) Mr. Md. Abdus Salam Khan Deputy- Chief Planning Commission. 6) Mr. Md. Jane Alam Deputy- Chief Ministry of Water Resources. 7) Fakir Muhammad Munaoar Hossain Personal Secretary of Member, Agriculture, Water Resources and Rural Institutions Division, Planning Commission. 8) Mr. Md. Zahedur Rahman Executive Engineer, Chief Monitoring, BWDB 9) Mr. Md. Siddiquir Rahman Assistant Chief, Ministry of Water Resources. 10) Mr. Md. Faridul Islam Senior Assistant Chief Planning Commission.	12.11.2016 to 13.11.2016	-	-
<u>IMED :</u> Director (Water Resource), IMED			
<u>Others: (Please specify)</u>			



0.2. Auditing during and after Implementation:

2.1. Internal Audit: N/A.

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 yet occurred

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 Protective work along the Right Bank of Padma River at Philipnagar, Abed's ghat and Islampur area of Daulatpur upazilla under the District Kushtia (1st Revised)

1.1 : Background:

Raita-Mohishkundi flood embankment (20.260 km.) was constructed during the financial year 1972-73 to 1977-78 from the place Raita (at Upazilla- Bheramara, District- Kushtia) to Mohishkundi(at Upazilla- Daulatpur, District- Kushtia) with a view to keep the vast area of G.K Irrigation project flood free from the Padma river.

Average setback distance of the Padma river was 5.10 km. away from the flood embankment at the time of embankment construction (1972-73 to 1977-78). After completion of the flood embankment the setback distance has been decreasing every year due to erosion of the river bank. Raita-Mohishkundi flood control embankment is one of the most important flood control embankment of the G.K Irrigation Project. From km. 9.875 to km. 10.665 and km. 12.850 to km. 14.000 of that engulfed by the river and from km. 14.000 to km. 15.000 to be in very vulnerable condition. To protect the G.K Irrigation project area from devastating flood retired embankments were constructed several times in between km. 9.875 to km. 14.500 at different chain age. The prevailing condition of the river erosion was such that it couldn't be prevented through the construction of retired embankment. It was necessary to construct permanent protective work instead of retired embankment for prevention of erosion. The local people and their representatives had been demanding permanent protective work for a long time.



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 thousand of dwellers living within bank line/flood-plains. The large seasonal variation in river flow results in varying sediment transportation capacity and causes river bank erosion, mitigation of river-banks and meandering river channels. Recent Satellite image studies of the Ganges- Brahmaputra-Middle Meghna rivers show that 106,300 ha. of land were lost to erosion, while only 19,300 ha. were accreted over the period 1982-1992. The net area of 87,000 ha. lost to erosion is equivalent to an annual erosion rate of 8,700 ha. In this context, there have been a growing concern and reassessment of the economic and socio-political benefits of Protecting important towns, infrastructure, hats and bazaars as well as agricultural land. The issue has been given due importance in the national planned documents for water sector prioritized strategic locations of river banks have been stressed for phased implementation of river bank protection programmed at the apex level. Bangladesh has a long history of combating river bank erosion. People living and housing alongside the river try to protect the banks against erosion from time immemorial. Diverse methods of bank protection have been developed in the past with considerable regional differences. after the disastrous flood in 1988 the Flood Action Plan (FAP) initiated a number of studies to come up with sustainable and long-term solutions for river training/ bank protection in Bangladesh

Due to continuous erosion of Raita-Mohishkundi flood control embankment, a project named "Right Bank Protective work from the erosion of Padma River from km 13.230 to km13.805 of Raita-Mohishkundi embankment at Philip Nagar in Abadergat area under Daulatpur Upazilla in the District of Kushtia as result of the impact of climate change." was approved on 09.01.2013 to protect the embankment. The implementation of the project was stopped due to severe erosion started upstream and downstream site of the project during the construction period. In that circumstances field level Engineer and design Engineer of BWDB visited the site together and give their opinion that the protective work will not be sustainable without implementation of 1295m. and 855m. Protective work upstream and downstream respectively.

Accordingly a technical committee was formed vide memo no. বাপাউবো(সচি)/পরি-১/বিবিধ-৩/২০০২(৬ষ্ঠ খণ্ড)/১৩৬ তাং ০৮-০৯-২০১৩ খ্রিঃ. and the technical committee recommended for permanent protective work from chain age km. 13.805 to km. 15.100 and chain age km. 12.375 to km. 13.230 for protection of bank erosion and stability of the ongoing project. According to the technical committee for implementation of the work a DPP was formulated by following the design which was approved by the Design Circle-5, BWDB. and submitted for approval. The DPP was approved by ECNEC vide memo no. 20.00.0000.411.14.020.15-352 Dated: 01/10/2015.

1.3 : Objectives:

The main objective of the project is to protect bank erosion along the right bank of the Padma River. Raita-Mohishkundi flood embankment (20.260 km.), cultivable land (3000ha.) under G.K. Irrigation project, BRAC Library, Grameen Phone Tower of Philipnagar including many other valuable public and private properties are the important establishments situated along the right bank of the Padma River. The overall objective of the project is to provide safety to human lives, properties and infrastructures and to maintain & improve economic activities, trade and commerce.

The specific objectives of the project are as follows:

- To protect Philipnagar, Abed's ghat and Islampur area under Doulatur upazilla in the District of Kushtia from the erosion of the Padma River by execution of 2150 meter revetment work along the Right Bank of Padma River.
- To avoid future threat to the India-Bangladesh International Power Grid Line .
- To Save the GK Irrigation project area by protecting the joining of the river Padma & Hishna.

- To save huge immovable public & private properties inside of Raita-Moheshkundi flood embankment with estimated total worth of Tk. 46788.00 lakh (detail has been furnished in Appendix-B)
- To contribute property alleviation by ensuring that future economic benefits are achieved.
- To improve social and economic conditions of destitute families living in the project area.
- To provide substantial employment opportunities and cash income for landless, poor and vulnerable people (both men and women) during construction period. Provide a stable environment for development in areas adjacent to protected riverbanks.

1.4 :Project revision with reasons:

The original approved DPP was submitted on March, 2014 and estimate prepared for proposed 2150 meter bank protection works on the basis of approved design vide drawing number 3118-1/4, dated 03.10.2013 of Design Circle-V, BWDB, Dhaka. The schedule of rates of Kushtia O&M Circle, BWDB, Kushtia, effective for the year 2013-14 had been considered for preparing the estimate. But the work was scheduled to be executed in the financial year 2015-16 and 2016-17. In the meantime the schedule Rates of the major construction materials had been increased due to the higher market price. Therefore, construction cost of river bank protective work had been increased from the original DPP.

Furthermore two full rainy seasons had passed after proposed DPP. Meanwhile, the alignment of the river changed and bank line shifted from the originally considered position. Following this change, the design had also been revised from the Design Circle-V, BWDB, Dhaka (Approved design vide drawing number 3644-1/8, dated 25.10.2015 and drawing number 3729-1/5, dated 15.06.2016) for current field conditions. According to the revised design, the volume of work had been increased. Therefore the cost for the River Bank Protective Work had increased accordingly, which were accommodated on RDPP.

According to the above reason the original approved DPP (approved by ECNEC on 04-08-2015 and issue on 01-10-15) amounting to taka 8352.04 Lakh for "Protective work along the Right Bank of Padma River at Philipnagar, Abed's ghat and Islampur area of Daulatpur upazilla under the District Kushtia" has been revised hereby to Tk. 8680.76 Lakh to meet up the actual cost of the said DPP works. In the revised proposal the increased amount is 328.72 Lakh, which is 3.93% higher than the original proposed DPP. Regarding this year wise Financial and Physical target Plan has been revised.

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

Raita-Mohishkundi flood embankment was constructed during the financial year 1972-73 to 1977-78 from the place Raita to Mohishkundi with a view to keep the vast area of G.K Irrigation project flood free from the Padma river. Average setback distance of the Padma river was 5.10 km. away from the flood embankment at the time of construction (1972-73 to 1977-78). After completion of the flood embankment the setback distance had been decreasing every year due to erosion of the river bank. Raita-Mohishkundi flood control embankment is one of the most important flood control embankment of the G.K Irrigation Project. From km. 9.875 to km. 10.665 and km. 12.850 to km. 14.000 of that engulfed by the river and from km. 14.000 to km. 15.000 to be in very vulnerable condition. To protect the G.K Irrigation project area from devastating flood retired embankments were constructed several times in between km. 9.875 to km. 14.500 at different chain age. The prevailing condition of the river erosion was such that it couldn't be prevented through the construction of retired embankment. It was necessary to construct permanent protective work instead of retired embankment for prevention of erosion. Besides this most of the inhabitants of Philipnagar, Abed's ghat and Islampur area were under the threat of Bank erosion of the Padma River. And inhabitants of these area were already shifted their house several times due to the erosion problem. Local people became frustrated. The socio-economic condition was deteriorating day by day. There was no other way to stop the erosion except Bank revetment works.



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

◆ Project Identification

The project is located along the Right Bank of Padma River at Philipnagar, Abed's ghat and Islampur area of Daulatpur upazilla of Kushtia District. According to the demand of the local people, public representative, MP(DO No. তম/তমদ/ডিও-১৯/২০১৩/১৪২৫(১) তারিখঃ ২৩ জানুয়ারি ২০১৩) the project was initiated.

◆ Project Preparation

To protect the Raita-Mohishkundi flood embankment from severe erosion of right bank of the Padma river, A Technical Committee was formed October, 2013 by BWDB. According to the Recommendation of the Technical Committee DPP was furnished by Amla W.D Division, BWDB, Amla, Kushtia. The project DPP was forwarded to MoWR for approval.

◆ Appraisal

The project was appraised and recommended for approval in the PEC meeting held on 08.02.2015.

- ◆ 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 on 04.08.2015 & revision was approved on 29.09.2016.

- ◆ Others (if any) : Nil.

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 stack holders are directly taking advantages of the created facilities of the project.

4.3 O & M programme of the project.

After completion of the project major repair/ rehabilitation works will be accomplished from regular O&M budget of BWDB.

4.4 Impact of the project -

4.4.1 Direct

- To protect Philipnagar, Abed's ghat and Islampur area under Doulatpur upazilla in the District of Kushtia from the erosion of the Padma River by execution of 2150 meter revetment work along the Right Bank of Padma River.
- To avoid future threat to the India-Bangladesh International Power Grid Line .
- To Save the GK Irrigation project area by protecting the joining of the river Padma & Hishna.

- To save huge immovable public & private properties inside of Raita-Moheshkundi flood embankment with estimated total worth of Tk. 46788.00 lakh

4.4.2 Indirect

- Safety of human livelihood and properties.
- Improvement of socio-economic condition.

4.5 Transfer of Technology and Institutional Building through the project

Not Applicable.

4.6 Employment generation through the project.

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

4.7 Possibility of Self employment

There are possibilities of self employment as existing commercial, industrial and business centers are protected from river bank erosion & the environmental degradation.

4.8 Possibility of women-employment opportunity

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

4.9 Women's participation in development

Yes.

4.10 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.

4.11 Impact on environment

Environmental enhancement is achieved through the implementation of the project.

4.12 Sustainability of the project

The project is sustainable but requires periodic maintenance.

4.13 Contribution to poverty alleviation/reduction

- Huge immovable public & private properties inside of Raita-Moheshkundi flood embankment with estimated total worth of Tk. 46788.00 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.

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

Positive remarks regarding the project.

4.15 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-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		

No problems encountered during implementation of the project regarding the above facts.

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

Raita-Mohishkundi flood embankment (20.260 km.) was constructed during the financial year 1972-73 to 1977-78 from the place Raita to Mohishkundi with a view to keep the vast area of G.K Irrigation project flood free from the Padma river. Due to devastating floods of couple of year retired embankments were constructed several times in between km. 9.875 to km. 14.500 at different chainage. But the prevailing condition of the river erosion was such that it was necessary to construct permanent protective work instead of retired embankment for prevention of erosion. The Project of permanent protective work 2150 m Protective works were constructed. During the Implementation period of the project members of different committees visited project site and gave their opinion which help the implementation of the project within project period. Project was implemented properly followed respective Design, Drawing and Specification. The Quantity and Quality of CC Block, Sand filled Geo-bag etc. were ensured By Task force committee of BWDB and concerned Engineer, BWDB.

After the successful implementation of this project, the project area has been protected from severe right bank erosion of the river Padma.. The socio-economic condition of the people has been improved. Scope of new jobs & works have been created. The safety of human livelihood and properties have also been improved.

Recommendation: 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.

Date :
Director/Manager

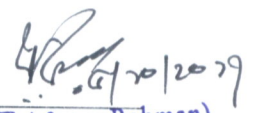
Signature and seal of the Project

(মোঃ মনিরুজ্জামান)
আই ডি নং-৬৫০১০১০১৫
তত্ত্বাবধায়ক প্রকৌশলী
কুষ্টিয়া পওর সার্কেল
বাপাউবো, কুষ্টিয়া।

7. Remarks/Comments of Agency Head

This project has saved huge amount of immovable public & private property inside the Raika-Moheshkundi flood embankment which has an estimated total worth of Tk 462.88 Crore. Apart from providing safeguard to Philipnagan, Abed's Ghat and Islampur area under Dowlotpur upazilla of Kushtia district from right bank erosion of Padma river. This project has also saved 3000 Ha of cultivable area under G-K Irrigation Project. As well as future threat to the India-Bangladesh International power Grid Line has been avoided. So this project can be described as a success.

Date :


Signature (Md. Mahidul Rahman)
Director General
BWDB, Dhaka.

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

Date :

Signature and Seal