



BANGLADESH WATER DEVELOPMENT BOARD

**PROJECT MONITORING FORM:
IMED 04/2001 (REVISED)**

**PROJECT COMPLETION REPORT (PCR)
FOR**

**KADUPUR-BASANTAPUR, MANIKKONA, VELKONA AND MOINPUR
AREA PROTECTION PROJECT FROM EROSION OF THE KUSHIYARA
RIVER OF UPAZILA-GOLAPGANJ & FENCHUGANJ, DISTRICT-
SYLHET**

**DIVISION : SYLHET O&M DIVISION, BWDB, SYLHET.
CIRCLE : SYLHET O&M CIRCLE, BWDB, SYLHET.**

**Government of Peoples` Republic of Bangladesh
Ministry of Planning
Implementation Monitoring and Evaluation Division**

Project Monitoring Form : IMED 04/2001 (Revised.)

A. PROJECT DESCRIPTION

01. Name of the Project : Kadupur-Basantapur, Manikkona, Velkona and Moinpur Area Protection Project from erosion of the Kushiya River of Upazila-Golapganj & Fenchuganj, District- Sylhet
02. Administrative Ministry / Division : Ministry of Water Resources.
03. Executing Agency : Bangladesh Water Development Board
04. Location of the Project : Upazila- Golapganj & Fenchuganj, District- Sylhet.

05. Objective of the Project :

The main objectives of the project are:

- (i) To protect Kadupur-Basantapur area of Golapganj Upazila of Sylhet district from severe erosion of the River, Kushiya;
- (ii) To prevent merger of the Hakaluki Haor, one of the biggest haors in Bangladesh and the Kushiya River;
- (iii) To protect Manikkona area of Fenchuganj Upazila of Sylhet district from severe erosion of the River, Kushiya; and

Kadupur-Basantapur area will be protected by constructing bank protective work for a length of 1580 m at the left bank of the Kushiya River. Similarly, Manikkona area of Fenchuganj upazila located at the right bank of Kushiya River can be saved from river erosion by erecting 560 m of protection work there. By preventing the erosion at the said locations, homesteads, arable lands, roads, numerous public and private properties, etc. will be saved from

devastating river erosion. Another important objective is to prevent merger of Hakaluki Haor and the Kushiara River in conjunction with safety of human lives & properties and restoration of social & natural security along with environmental preservation.

o6. Estimated Cost :

(In lakh taka)

	Originl	Latest Revised
(a) Total	1322.40	1099.55
(b) Taka	1322.40	1099.55
(c) Foreign Currency	---	---
(d) Project Aid	---	---
(e) RPA	---	---

o7. Date of Approval :

	Original	Latest Revised
(a) Original	10/09/2006	-
(b) Latest Revised	-	12/03/2008

o8. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	2006-07	2007-08
(b) Latest Revised	2006-07	2008-09
(c) Actual	2007-08	2008-09

o9. 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 Effectiveness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8

----- Not applicable -----

b) GOB :

(Taka in lakh)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
1099.55	----	1099.55	----

9.2 Utilization of Project Aid : (Source wise)

(In million)

Source(s)	Total Amount		Actual Expenditure		Unutilized Amount	
	In US S	In Local currency	In US\$	In Local Currency	In US\$	In Local Currency
1	2	3	4	5	6	7

----- Not applicable -----

9.3 Reimbursable Project Aid (RPA) :

(Taka In lakh)

RPA Amount		Amount Spent	Amount Claimed	Amount Reimbursed	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	Time over-run (% of original implementation Period)	Remarks
Original	Latest Revised			
1	2	3	4	5
2006-08	2006-09	2007-09	33.33%	

02. Cost of the Project :

(In lakh taka)

Description	Estimated Cost		Actual Expenditure	Cost over-run (% of original cost)	Remarks
	Original	Latest revised			
1	2	3	4	5	6
TOTAL	1322.40	1099.55	868.74	---	
TAKA	1322.40	1099.55	868.74	---	
PA	---	---	---	---	

03. Project personnel :

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	Male	Female
1	2	3	4	5	6	7
Officer (s)	No extra manpower was employed for the project and the project was executed by engaging BWDB's existing manpower.					
Staff (s)						
Total :						

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

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	No training was planned and organized under the project.				
b. Local					

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

(In Lakh Taka)

Items of works (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
Revenue Component:						
Stationery, Seal and Stamps (Office Stationery)	Item	2.00	1	1.50	1	-0.50
Survey & Investigation	Item	3.50	1	2.50	1	-1.00
Sub-Total (Revenue):		5.50		4.00		-1.50
Capital Component:						
River Bank Protective Work on left bank of the Kushiya River at Basantapur and Kadupur: 1580m	Metre	807.76	1580		1580	0.00
River Bank Protective Work on right bank of the Kushiya River at Manikkona: 560m	Metre	286.29	560		560	-129.93
Sub-Total (Capital):		1094.05		864.74		-
Grand-Total		1099.55		868.74		-230.81

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
Mr. A.H.M Fakhrul Islam, Executive Engineer, Sylhet O&M Division, BWDB, Sylhet Scale: 13750-550x10-19250	Full time	-	Yes	04/08/05	04/11/07	
Mr. A.K.M Shafiqul Haque, Executive Engineer, Sylhet O&M Division, BWDB, Sylhet Scale: 13750-550x10-19250	Full time	-	Yes	04/11/07	Till to- date	

07. Procurement of Transport (in Nos.) :

Type of transport	Number as per PP	Procured with date	Transferred to Transport pool with date	Transferred to O&M with date	Condemned/ damaged with date	Remarks
1	2	3	4	5	6	7
Car	No transport vehicle was planned and procured under the project					
Jeep						
Microbus						
Minibus						
Bus						
Pick-up						
Truck						
Motor Cycle						
By-cycle						
Speed Boat						
Launch						
Others with name						

08. Procurement of Good, Works and Consultancy Services :

8.1 Goods & works of the Project costing more Tk. 100.00 lakh and Consultancy above Tk. 50.00 lakh.

Description of procurement (goods/works/ consultancy) as per bid documents	Tender/Bid/Proposal cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works/ services and supply of goods	
	As per PP	As per contract	Invitation date	Contract signing/L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
River Bank Protective work at the left bank of Kushiya river at Kadupur-Basantapur from Ch. 100.00 m. to Ch. 450.00 m = 350.00 m in Golapgonj upazila of Sylhet District during the year-2007-08.	1.7893	1.2934	10/12/07	29/05/08	30/01/09	20/06/09
River Bank Protective work at the left bank of Kushiya river at Kadupur-Basantapur from Ch. 450.00 m. to Ch. 800.00 m = 350.00 m in Golapgonj upazila of Sylhet District during the year-2007-08.	1.7893	1.2490	10/12/07	29/05/08	30/01/09	20/06/09

Description of procurement (goods/works/consultancy) as per bid documents	Tender/Bid/Proposal cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works/ services and supply of goods	
	As per PP	As per contract	Invitation date	Contract signing/L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
River Bank Protective work at the left bank of Kushiya river at Kadupur-Basantapur from Ch. 800.00 m. to Ch. 950.00 m & Ch. 1063.00 m to 1270.00 m = 357.00 m in Golapgonj upazila of Sylhet District during the year-2007-08.	1.8251	1.3020	10/12/07	29/05/08	30/01/09	20/04/09
River Bank Protective work at the left bank of Kushiya river at Kadupur-Basantapur from Ch. 1270.00 m. to Ch. 1600.00 m = 330.00 m in Golapgonj upazila of Sylhet District during the year-2007-08.	1.6871	1.2307	10/12/07	29/05/08	30/01/09	20/04/09
River Bank Protective work at the right bank of Kushiya river at Manikkona from Ch. 0.00 m. to Ch. 280.00 m = 280.00 m in Fenchuganj upazila of Sylhet District during the year-2008-09	1.4314	1.2996	17/07/08	20/01/09	25/06/09	25/06/09
River Bank Protective work at the right bank of Kushiya river at Manikkona from Ch. 280.00 m. to Ch. 560.00 m = 280.00 m in Fenchuganj upazila of Sylhet District during the year-2008-09	1.4314	1.3378	17/07/08	20/01/09	25/06/09	25/06/09

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

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 :	----- No consultant was engaged in the project -----			
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	Transferred to O&M with date	Balance	Remarks
1	2	3	4	5	6	7
Photocopier	----- No Tools & Equipment was procured in the project -----					
Computer & Printer with accessories.						

C. FINANCIAL AND PHYSICAL PROGRAMME:

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

(Tk. in Lakh)

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
2006-07	609.92	609.92	---	46%	---	---	---	---
2007-08	712.48	712.48	---	54%	302.50	302.50	---	27.51%
2008-09	---	---	---	---	794.05	794.05	---	72.49%
Total:	1322.40	1322.40	---	100%	1099.55	1099.55	---	100%

01. (b) Revised ADP allocation and progress :

(Tk. in lakh)

Financial Year	Financial provision & physical target as per original PP				Financial & physical progress			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2006-07	---	---	---	---	---	---	---	---
2007-08	140.00	140.00	---	12.73%	98.18	98.18	---	8.96%
2008-09	900.00	900.00	---	91.04%	770.56	770.56	---	91.04%
Total:	1040.00	1040.00	---	103.77%	868.74	868.74		100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
(a) To protect Kadupur-Basantapur area of Golapganj Upazila of Sylhet district from severe erosion of the River, Kushiya. (b) To prevent merger of the Hakaluki Haor, one of the biggest haors in Bangladesh and the Kushiya River. (c) To protect Manikkona area of Fenchuganj Upazila of Sylhet district from severe erosion of the River, Kushiya.	a) Kadupur-Basantapur areas in Golapganj Upazila of Sylhet district have been protected through implementation of the protective works as planned on the left bank of the Kushiya River. b) through implementation of the protective works merger of Hakaluki Haor and the Kushiya River in conjunction have been prevented with safety of human lives & properties and restoration of social & natural security along with environmental preservation. c) Manikkona area in Fenchuganj Upazila of Sylhet district has been protected through implementation of the protective works as planned on the right bank of the Kushiya River.	Not applicable

E. BENEFIT ANALYSIS:

01. Annual Out-put :

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-put during the 1 st year of operation at full capacity (or during, real production for newly completed project).
The protective project provides only service benefits by way of safeguarding to human lives, properties and environmental considerations from the continued threat of river bank erosion/ flood hazards. Such benefits can hardly be quantified which may accrue either to an individual or to a community. Proper identification of beneficiaries is difficult and complex. However, by execution of the project, safety of lands and other properties located adjacent to the river bank which was subject to regular and periodic bank erosions and flooding have been restored. Moreover, expansion of socio-economic infrastructure on the banks of eroded river has been achieved through the bank protective work.			

02. Cost / Benefit :

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	2.92: 1.00	---
(ii) Economic	3.01: 1.00	---
(2) Internal Rate of Return		
(i) Financial	38.72%	---
(ii) Economic	34.04%	---

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

Does not arise.

F. MONITORING AND AUDITING :

01. Monitoring :

Name & designation of the inspecting official	Date of inspection	Identified problems	Recommendations
1	2	3	4
(a) Ministry/ Agency: (i) DG of BWDB (ii) ADG (O&M-1) of BWDB (iii) Joint Secretary, MoWR (iv) CE of North-Eastern Zone, BWDB, Comilla	--- Addl. Director General (O&M-1) visited sites on 27/06/09 --- The Chief Engineer, North-Eastern Zone, BWDB, Comilla visited the project sites several times. Those high officials' recommendations were duly executed.		
(b) IMED :	The Director of IMED visited project sites on 27/08/09		
(c) Others : (Please specify)	---		

02. Auditing during and after Implementation:

2.1 Internal Audit:

Period of Audit	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2007-08	Internal Auditing has already been done and no objection was given.		
2008-09	No internal auditing has been done yet		

2.2 External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2007-08	External Auditing by AG office has already been done and no objection was given.		
2008-09	No external auditing has been done yet		

G. DESCRIPTIVE REPORT

01. General Observations/ Remarks of the Project on :

1.1 Background

River bank erosion has been considered as one of the most devastating natural hazards in alluvial lands of riverine Bangladesh. The large seasonal variation in river flow causes riverbank erosion recurrently and migration of riverbanks. This has significant social and economic impacts. The belligerence of riverbank erosion has caused for landlessness and pauperization of peoples living within riverside. In this backdrop, there have been growing concerns now for reassessment of the economic and socio-political benefits of protecting important locations, infrastructures, valuable properties and towns, growth centres etc. The issue has been duly emphasized in the National Term Plan. The National Water Policy emphasized for protection of strategic geographic locations & important economic zones from devastating erosions of different mighty rivers.

Kadupur and Basantapur area is located at the left bank of the River, Kushiya. Both the areas have great importance in view of its location in between Kushiya River and the Hakaluki Haor, one of the largest haors in Bangladesh. The Hakaluki haor is also called as fish sanctuary. On the other hand, abundant migratory birds come in the haor during winter season for which many tourists arrive to enjoy the natural beauty of Haor as well as to see different birds. Kadupur and Basantapur area is facing severe river erosion for many years. Many govt. and non-govt. properties, educational institution, homesteads, years-old mosque, etc. have already been engulfed and the intensity of river erosion has taken a serious turn for the last two years. At present, distance between Hakaluki haor and Kushiya River is only 200m and if river erosion continues at the prevailing rate, the Kushiya River will certainly be merged with Hakaluki haor. This will not only damage properties of the area and make many people landless, but also damage to social and natural security along with environmental preservation. On the other hand, ecological balance in the area will be disturbed if the proposed project is not implemented.

Manikkona area is located at the right bank of the Kushiya River just on the opposite bank and at the tail end of Basantapur Village. The said area is seriously affected by the erosion of the river and needs immediate attention for arresting the river erosion. This will not only protect the area, but also the Kushiya River will be prevented from merging with Damrir Haor.

1.2 Justification / Adequacy

Kushiyara River is known as flashy river. The Kushiyara River receives huge volume of flow from Barak river which demonstrates tremendous damages to the infrastructures situated on the both banks of Kushiyara River at Sylhet district. To ensure safety of lives and properties in the area, the already executed protective works were required to be implemented at the earliest possible time.

1.3 Objectives

The main objectives of the project are:

1. To protect Kadupur-Basantapur area of Golapganj Upazila of Sylhet district from severe erosion of the River, Kushiyara.
2. To prevent merger of the Hakaluki Haor, one of the biggest haors in Bangladesh and the Kushiyara River.
3. To protect Manikkona area of Fenchuganj Upazila of Sylhet district from severe erosion of the River, Kushiyara.

Kadupur-Basantapur area will be protected by constructing bank protective work for a length of 1580 m at the left bank of the Kushiyara River. Similarly, Manikkona area of Fenchuganj upazila located at the right bank of Kushiyara River can be saved from river erosion by erecting 560 m of protection work there. By preventing the erosion at the said locations, homesteads, arable lands, roads, numerous public and private properties, etc. will be saved from devastating river erosion. Another important objective is to prevent merger of Hakaluki Haor and the Kushiyara River in conjunction with safety of human lives & properties and restoration of social & natural security along with environmental preservation.

1.4 Project revision with reason

The project needs revision due to reduced scope of works, overall 16.85% cost decrease resulting from reduced scope of works & time overrun of 33.33%. An inter-ministerial committee was constituted to review the significance/inevitability of the project. The Inter-ministerial committee visited the project area on 17/02/2007. Committee recommends to execute river bank protective work at the left bank of Kushiyara river at kadupur-basantapur for prevention of Hakaluki Haor and Kushiyara river from merging, to execute river bank protective work at the right bank of Kushiyara river at Manikkona for severe bank erosion. Committee also recommends excluding from the RDPP to construct embankment at Velkona, Moinpur & water control structure at Velkona. Meanwhile, detail design of the said protective works were finalized and revised costs of the works were estimated on the basis of enhanced schedule of rates(enforce from July'2006) of Sylhet O&M Circle, BWDB,

Sylhet. Considering different aspects, PEC took decision to keep both the components of protective works on left bank at Kadupur-Basantapur and on the right bank at Manikkona. The lengths of protective works at Kadupur-Basantapur and Manikkona are 1580.00 M and 560.00 M respectively instead of 1605.00 M and 600.00 M as per original DPP. For this reason, revised DPP is proposed with 1580.00 M and 560.00 M protective works at Kadupur-Basantapur and Manikkona respectively.

02. Rationale of project in respect of concept, Design, Location and Timing.

In respect of concept, design, location and timing, the project was made rationale as described in "Justification/Adequacy" above.

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

- Project Identification

The process how the project was identified has been described above.

- Project Preparation

The Project proposal has been prepared on the basis of lessons learnt in the area resulted from river erosion and people's need.

- Appraisal

As described above, the project was proposed on the basis of adversity of river erosion and public demand.

- Credit Negotiation

Not applicable

- Credit Agreement

Not applicable

- Credit Effectiveness

Not applicable

- Loan Disbursement

Not applicable

- Loan conditional ties

Not applicable

- Project Approval.

The original project proposal was approved on 10/09/2006 and revised project proposal was approved on 12/03/2008.

- Others (if any).

04. 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

Created facilities, viz. protective work on the left bank of the Kushiya River at Kadupur-Basantapur & on the right bank of the Kushiya River at Manikkona would protect infrastructures situated on the banks of the said river.

4.3 O&M programme of the project.

O&M programme of the project would be provided from regular revenue budget.

4.4 Impact of the project

4.4.1 Direct : Positive

4.4.2 Indirect : Positive

4.5 Transfer of Technology and Institutional building through the project

Not applicable

4.6 Employment generation through the project.

As the huge public and private properties from bank erosion of the Kushiya River and environmental hazards in township, villages, arable lands, homesteads settlements, valuable establishments would be safeguarded. People residing around the project area are feeling safety from river erosion and they are prompted to establish different employment generating activities. Moreover, agricultural production in Hakaluki Haor has been made safe through preventing merger of Hakaluki Haor from the Kushiya River. Therefore, employment opportunities have significantly increased.

4.7 Possibility of Self employment

Positive impact has been seen.

4.8 Possibility of women - employment opportunity.

Positive impact has been seen.

4.9 Women's participation in development.

Positive impact has been seen.

4.10 Probable Impact on Socio - Economic activity.

Positive impact has been seen.

4.11 Impact on environment.

Positive impact has been seen.

4.12 Sustainability of the project

The project is sustainable.

4.13. Contribution to poverty alleviation/ reduction

Positive impact has been seen.

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

Positive opinion has been expressed.

- 4.15 Contribution Micro - credit programme and Comments on overlapping with any NGO activities.

Does not arise

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

No significant problem was encountered during implementation either any of the items described below.

- | | | | |
|------|---|-------|--|
| 5.1 | Project Management | 5.12. | Project aid disbursement and re-imburement |
| 5.2 | Project Director | 5.13 | Mission of the development |
| 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 | | |

06. Remarks & recommendations of the Project Director :

The project as implemented is playing a vital role in safeguarding the eroding banks of the river, Kushiara thereby huge movable and immovable properties have been saved. Similar projects should be taken up to protect the adjacent project area.


Syed Ahsan Ali
Superintending Engineer
Sylhet O&M Circle BWDB, Sylhet


(A.K.M. Shafiqul Haque)
Project Director
&
Executive Engineer
Sylhet O&M Division
BWDB, Sylhet

07. Remarks /Comment of Agency Head

Date :.....

Signature and seal

o8. Remarks /Comments of the officer in-charge of the Ministry / Division

Date :.....

Signature and seal