



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT MONITORING FORM: IMED 04/2001 (REVISED)

PROJECT COMPLETION REPORT (PCR) FOR

**PROTECTION OF GOALI CHARA , KAZIRBAZAR CHARA , JANGALIA-
JUGIRGAON AND MAHTABPUR IN SADAR UPAZILA, 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 : Protection of Goali Chara , Kazirbazar Chara , Jangalia-Jugirgaon and Mahtabpur in Sadar Upazila, Ditric-Sylhet.
02. Administrative Ministry / Division : Ministry of Water Resources.
03. Executing Agency : Bangladesh Water Development Board
04. Location of the Project : Upazila- Sylhet Sadar, District-Sylhet.
05. Objective of the Project :

The main objectives of the project are:

-To protect Sylhet-Sunamganj Highway (the only road way communication between Sylhet & Sunamganj) as well as valuable Govt. and private properties at Mahtabpur and it's adjoining areas by implementing the proposed bank protective works on left bank of the Surma River.

-To safeguard human lives & properties and restore social & natural security along with environmental preservation from continued threat of river-bank erosion for sustainable socio-economic development in the entire Sylhet.

06. Estimated Cost : (In lakh taka)

	Originl	Latest Revised
(a) Total	885.42	336.78
(b) Taka	885.42	336.78
(c) Foreign Currency	---	---
(d) Project Aid	---	---
(e) RPA	---	---

07. Date of Approval :

(a) Original :

(b) Latest Revised :

Original	Latest Revised
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10/09/2006

17/03/2008

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
336.78	----	336.78	----

9.2 Utilization of Project Aid : (Source wise)

(In million)

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

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

9.3 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	2007-09	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	885.42	336.78	246.04	---	
TAKA	885.42	336.78	246.04	---	
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	0.50	1	0.50	1	0.00
Survey & Investigation	Item	0.50	1	0.50	1	0.00
Printing & publication	Item	0.50	1	0.50	1	0.00
Petrol & Lubricant	Item	1.00	1	1.00	1	0.00
Repair, Maintenance of motor vehicle	Item	1.00	1	1.00	1	0.00
Sub-Total (Revenue):		3.50		3.50		0.00
Capital Component:						
River Bank Protective Work on left bank of the Surma River at mahtabpur: 475 m	Metre	333.28	475	242.54	475	-90.74
Sub-Total (Capital):		333.28		242.54		-90.74
Grand-Total		336.78		246.04		-90.74

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 Surma river at Mahtabpur from Ch. 144.00 km. to Ch. 144.218 km = 218.00 m in Sadar upazila of Sylhet District during the year-2007-08.	1.5296	1.1025	10/12/07	17/04/08	30/01/09	15/04/09
River Bank Protective work at the left bank of Surma river at Mahtabpur from Ch. 144.218 km. to Ch. 144.475 km = 257.00 m in Sadar upazila of Sylhet District during the year-2007-08.	1.8032	1.2100	10/12/07	21/05/08	30/01/09	15/04/09

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	442.66	442.66	---	50%	---	---	---	---
2007-08	442.76	442.76	---	50%	202.00	202.00	---	59.98%
2008-09	---	---	---	---	134.78	134.78	---	40.02%
Total:	885.42	885.42	---	100%	336.78	336.78	---	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	141.50	141.50	---	15.16%	52.04	52.04	---	15.16%
2008-09	194.00	194.00	---	84.84%	195.00	195.00	---	84.84%
Total:	335.50	335.50	---	100.00%	247.04	247.04		100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
a) To protect Sylhet-Sunamganj Highway (the only road way communication between Sylhet & Sunamganj) as well as valuable Govt. and private properties at Mahtabpur and it's adjoining areas by implementing the proposed bank protective works on left bank of the Surma River. b) To safeguard human lives & properties and restore social & natural security along with environmental preservation from continued threat of river-bank erosion for sustainable socio-economic development in the entire Sylhet.	a) Mahtabpur and it's adjoining areas & Sylhet-Sunamganj Highway in Sadar Upazila of Sylhet district have been protected through implementation of the protective works as planned on the left bank of the Surma River. b) through implementation of the protective works safeguarded human lives & properties & restoration social & natural security along with environmental preservation from continued threat of river-bank erosion for sustainable socio-economic development in the entire Sylhet.	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	1.86:1.00	
(ii) Economic	1.92:1.00	
(2) Internal Rate of Return		
(i) Financial	23.90%	
(ii) Economic	22.78%	

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	Director General (O&M-1) visited sites on 24/03/09 --- --- 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 26/08/09		
(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.

Sylhet town is not only economically important but also historically significant. For keeping the present trends of economic upliftment in Sylhet, both banks of the Surma River have to be made stable. The main objectives of the project are to protect valuable Govt. and private properties in Sylhet town and its adjoining areas by implementing the proposed protective works on both the banks of the Surma River and to safeguard human lives & properties and restore social & natural security along with environmental preservation from continued threat of river-bank erosion and drainage congestion for sustainable socio-economic enhancement in the entire Sylhet town.

Sylhet town as well as its adjoining areas is facing a serious threat to erosion of the river, Surma. The river, Surma originates from Barak River which has been bifurcated at Amalshid into Surma River in the south and Kushiya in the north. On its way to the Meghna River at Bhairab bazar, Surma passes through Sylhet town travelling approximately 110 km from Amalshid and it receives flows from Lubachara, Kakra, Gomra, Boleswar, etc. originated in the Khasia-Jainta hilly region of Indian state, Meghalaya at the upstream of Sylhet town. The Barak River has got enormous drainage boundary having catchment area of approximately 20,263 km². 40% of the Barak's flow enters into Surma River during monsoon and no flow during dry season. Moreover, Lubachara's flow is predominant in making devastation in Sylhet town. However, it is very much needed to stable the banks of the Surma river for rapid urbanization of Sylhet town. Presently, different locations on the both banks from Alampur to Tokerbazar are seriously vulnerable and need immediate protective measure before further deterioration.

There has been a long standing social demand for early execution of the above mentioned project to safeguard lives and properties from devastating erosion. Following continued people's demand the issue has been duly endorsed at higher policy level. From field level survey, it is identified that by implementing new protective works having length of 475 metre will protect the Sylhet-Sunamganj highway at Mahtabpur. Location of proposed bank protection works shown in index map and separately enclosed as appendix.

1.2 Justification / Adequacy

Both Surma and Lubachara Rivers are known as flashy rivers. The Surma River receives huge volume of flow from Barak river and Luba Chara which demonstrates tremendous damages to the infrastructures situated on the left bank of Surma River at Sylhet. 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 Sylhet-Sunamganj Highway (the only road way communication between Sylhet & Sunamganj) as well as valuable Govt. and private properties at Mahtabpur and it's adjoining areas by implementing the proposed bank protective works on left bank of the Surma River.
- 2) To safeguard human lives & properties and restore social & natural security along with environmental preservation from continued threat of river-bank erosion for sustainable socio-economic development in the entire Sylhet.

1.4 Project revision with reason

The project needs revision due to reduced scope of works, overall 28.18% cost increase for protective works due to enhanced schedule of rates of concerned BWDB Circle & 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 18/02/2007. Committee recommends to execute river bank protective work at the left bank of Surma river at Mahtabpur to protect Sylhet-Sunamganj Highway as well as valuable govt. and private properties. Committee also recommends excluding from the RDPP to execute river bank protective work at Goali Chara, Kazirbazar Chara & Jangalia-Jugirgaon. 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 the component of protective work on left bank of Surma river at Mahtabpur only. The lengths of protective works at Mahtabpur is 475.00 M. For this reason, revised DPP is proposed with 475.00 M protective works at Mahtabpur.

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 17/03/2008.

- 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 Surma River would protect Sylhet- Sunamganj Highway (the only roadway communication between Sylhet & Sunamganj District) situated on the left bank 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 Surma River and only one roadway communication between two important districts Sylhet – Sunamganj 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. 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).

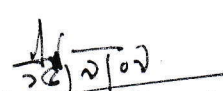
No significant problem was encountered during implementation either any of the items described below.

- | | | | |
|------|---|-------|--|
| 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, Surma thereby only one roadway communication between Sylhet – Sunamganj districts have been saved. Similar projects should be taken up to protect adjacent project areas.


Syed Ansan 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