

Bangladesh Water Development Board



PROJECT COMPLETION REPORT : IMED 04/2003 (Revised)

Name of the Project: Rehabilitation and Strengthening of
Embankment on both sides of Gumti River

Division : Comilla O&M Division, BWDB, Comilla.
&
Gumti O&M Division, BWDB, Comilla.

Circle : Comilla O&M Circle, BWDB, Comilla.

Zone : Eastern Zone, BWDB, Comilla.

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** : Rehabilitation and Strengthening of Embankment on both sides of Gumti River
02. **Administrative Ministry/Division** : Ministry of Water Resource
03. **Executing Agency** : Bangladesh Water Development Board
04. **Location of the Project** : District: Comilla, Upazilla: Sadar, Burichang, Debidwar, Muradnagar, Brahmanpara & Titas
05. **Objective of the Project** :

- The main objective of the proposed project is to strengthen the existing embankment on both banks of Gumti River and to improve flood management in the Gumti Basin with a view to mitigate possible bank erosion and breaching of the Embankments. .
- The implementation of this project will ensure safety of human lives and properties from river erosion hazards and recurrent floods of Gumti River that experience flash floods by erection of Permanent River bank protection works and other ancillary works.
- Moreover gross 1,02,000 ha and net 81,480 ha cultivatable land will get FCDI Facilitates and the same time transport facilities of the project area and fish cultivation will improved

06. **Estimated Cost** :

(In lakh Taka)

	Original	Latest Revised
(a) Total	7337.05	6780.52
(b) Taka	7337.05	6780.52
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. **Date of Approval** :

PCP	PP
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- (a) **Original** : 08.06.2011
- (b) **Latest Revised** : 29.04.2014

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	January 2011	June 2013
(b) Latest Revised	January 2011	June 2015
(c) Actual	January 2011	June 2015

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
6780.52	-	-	-

9.2 Utilization of Project Aid : (Source wise) Not Applicable

(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

9.3 Re-imbursible Project Aid (RPA): Not Applicable.

(In lakh Taka)

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

B. IMPLEMENTATION POSITION

01. Implementation Period:

Implementation Period as per PP		Actual Implementation period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
January 2011 to June 2013	January 2011 to June 2015	January 2011 to June 2015	80%	

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	7337.05	6780.52	6159.98	(-) 16.04%	
TAKA	7337.05	6780.52	6159.98	(-) 16.04%	
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		
1	2	3	4	5	Male	Female
Officer (s)		DPP page-19, Annexure –II Attached	Project work had been completed by existing manpower of BWDB			
Staff(s)						
Total :						

04. Training of Project Personnel (Foreign/Local) : No training was scheduled.

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

b. Local



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

(In lakh Taka)

Items of work (as per PP)	Unit	Target (as per PP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
Printing & Publications	1 item	8.00	-	3.00	-	
Stationery, seal & stamps	1 item	6.00	-	6.00	-	
Survey & Investigation	1 item	10.00	-	10.00	-	
Vehicle(Motor Cycles 125CC) (4Nos)	No	7.30	4 Nos	7.30	4 Nos	
Leveling instrument (1 set) & Gestetner machine (1 set)	Nos	3.50	2 Set	3.50	2 Set	
Computer (Pentium-iv) with laser printer (1 computer + printer for MoWR (2Sets)	Sets	3.00	2 Sets	3.00	2 Sets	
Acquisition of land (2.42 Ha)	Ha	1038.00	2.42 ha	741.38	2.181 ha	As per design & field condition requisition of land quantities less than PP quantities.
Bank protective work (1220m)	Meter	1008.37	1220 m	803.59	820 m	400m of work has been dropped as per public demand & as per decision of PSC meeting.
Re-sectioning of left embankment of Gumti river (48.814Km)	Km	1957.01	48.814 km	1957.01	48.814 km	
Re-sectioning of Right embankment of Gumti river (53.010Km)	Km	1697.94	53.010 km	1696.94	53.010 km	
Loop cut at Muradnagar (Ch.near at 47.500 Km)	1 item	153.59	1 no	153.38	1 no	
Re-excavation of Ghungur River (15.620 Km)	Km	503.85	15.620 km	484.38	15.620 km	
Ditch filling (34Nos)	Nos	148.70	34 nos	148.43	34 nos	
Construction of Ramps (20Nos)	Nos	142.07	20 Nos	142.07	20 Nos	
Total		6687.33	100%	6159.98	97.15%	

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
Md. Ferdous Superintending Engineer 25750 – 1000X 8 – 33750	-	Part time	Ok	19.01.2010	20.01.2011	
Riaz Uddin Ahmed Superintending Engineer 25750 – 1000X 8 – 33750	-	Part time	Ok	27.01.2011	23.02.2011	

Aftab Ahmed Superintending Engineer 25750 – 1000X 8 – 33750	-	Part time	Ok	23.02.2011	23.03.2011	
Md. Nasir Uddin Superintending Engineer 25750 – 1000X 8 – 33750	-	Part time	Ok	23.03.2011	23.12.2012	
Ehsanur Rashid Superintending Engineer 25750 – 1000X 8 – 33750	-	Part time	Ok	23.12.2012	13.07.2014	
Kamrunnessa PEng Superintending Engineer 25750 – 1000X 8 – 33750	-	Part time	Ok	13.07.2014	25.09.2014	
Babul Chandra Shill Superintending Engineer 25750 – 1000X 8 – 33750	-	Part time	Ok	25.09.2014	10.12.2014	
Md. Mozaffar Hossain Superintending Engineer 25750 – 1000X 8 – 33750	-	Part time	Ok	10.12.2014	12.04.2015	
Md. Nurul Amin Superintending Engineer 22500 – 900X 10 – 31250	-	Part time	Ok	12.04.2015	To date	

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
Car						
Jeep						
Microbus						
Minibus						
Bus						
Pick-up						
Truck						
Motor Cycle	4	15.06.15	-	15.06.15	-	-
By-cycle						
Speed Boat						
Launch						
Others with name						

08. Procurement of Goods, Works and Consultancy Services:

08.1 Goods & Works of the Project costing above Tk. 200.00 lakh. and Consultancy above Tk. 100.00 lakh :

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Re-sectioning of Gumti left embankment in between km. 0.000 to km. 31.250 = 5.500 km. under Comilla O&M Division during the year 2010-11 & 2011-12.	2.50	2.50	07-03-11	15-06-11	16-06-13	16-06-13
Re-sectioning of Gumti right embankment in between km. 0.000 to 35.000 = 5.800km. under Comilla O&M Division during the year 2010-11 & 2011-12	2.89	2.89	07-03-11	15-06-11	16-06-13	16-06-13
Re-sectioning of Gumti left Embankment in between km.0.000 to km. 31.250 = 9.702 km. under Comilla O&M Division, BWDB, Comilla during the year 2011-12.	4.71	4.71	28-09-11	30-01-12	24-01-13	18-06-13
Re-sectioning of Gumti right Embankment in between km. 0.000 to 35.000 =12.700km. under Comilla O&M Division, BWDB, Comilla during the year 2011-12	5.46	5.46	28-09-11	18-01-12	16-01-13	23-06-13
Re-excavation of Gungur River from km. 0.000 to km. 5.000 = 5.000 km. under Comilla O&M Division, BWDB, Comilla during the year 2011-12	3.64	3.64	28-09-11	18-11-12	16-11-12	20-06-12
River Bank Protection work of Gumti right embankment for a length of km. 400.00m in between km. 32.000 to km. 35.000 at Jafargong in Upazilla-Debidwar, District-Comilla during the year 2013-14	3.23	3.23	15-12-13	12-05-14	06-06-15	06-06-15
Re-sectioning of Gumti left Embankment from km 33.320 to km 33.720, km 34.500 to km 35.000, km 36.500 to km 37.500, km 39.000 to km 41.100, km 42.000 to km 42.500, km 43.500 to km 44.000, km 51.000 to km 54.200, km 57.000 to km 57.800, km 62.500 to km 64.500, km 66.870 to km 68.760 (Total length=12.890km), at Upazila Debidwar, Muradnagar, Titas, Dist. Comilla in connection with Rehabilitation and Strengthening of embankment on both sides of Gumti River under Gumti O&M Division during the year 2011-12.	5.18	5.18	29-09-11	26-01-12	25-06-12	22-06-12
Re-sectioning of Gumti right Embankment from km 35.000 to km 37.000, km 40.140 to km 42.000, km 44.000 to km 46.500, km 48.500 to km 49.000 & km 49.000 to km 50.500, km 53.000 to 63.500 (Total	4.72	4.72	29-09-11	26-01-12	25-06-12	09-06-12

length=18.860 km), at Upazila Debidwar, Muradnagar, Dist. Comilla in connection with Rehabilitation and Strengthening of embankment on both sides of Gumti River under Gumti O&M Division during the year 2011-2012.						
Re-sectioning of Gumti left embankment from Km 31.750 to Km 32.250, Km 45.000 to Km 46.000, Km 47.000 to 48.800, Km 50.000 to Km51.000, Km 54.200 to Km55.000, Km 59.894 to Km 60.000,Km 66.000 to Km66.870,Km 68.760 to Km69.000, Km 72.000 to Km73.000, From Km73.500 to Km 74.000 and Km 74.500 to Km75.284 (Total length = 8.600Km)at Upazilla Debidwar, Muradnagar,Titas in connection with " Rehabilitation & Strengthening of embankment on both side of Gumti river" under Gumti O & M Division, BWDB, Comilla during the year 2013-2014	3.09	3.09	15-12-13	05-05-14	30-04-15	30-04-15

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

Name of the Field	Approved man month		Actual man month utilised	Remarks
	As per PP	As per contract		
1	2	3	4	5

a) Foreign :

b) Local :

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

Description of items	Quantity (as per PP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7

C. FINANCIAL AND PHYSICAL PROGRAMME :

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

(In lakh Taka)

Financial Year	Financial provision & physical target as per original PP				Financial provision & physical target as per latest revised PP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2010-11	1000.11	1000.11	-	13.63%	84.38	84.38	-	1.244%
2011-12	4353.92	4353.92	-	59.34%	1115.00	1115.00	-	16.429%
2012-13	1983.02	1983.02	-	27.03%	2200.00	2200.00	-	32.446%
2013-14	-	-	-	-	2000.00	2000.00	-	29.496%
2014-15	-	-	-	-	1381.14	1381.14	-	20.369%
Total	7337.05	7337.05	-	100%	6780.52	6780.52	-	100%

01. (b) Revised ADP allocation and progress :

(In lakh Taka)

Financial Year	Revised Allocation & target				Taka release	Expenditure & physical progress			
	Total	Taka	P. A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2010-11	200.00	200.00	-	1.244%	200.00	84.38	84.38	-	1.244%
2011-12	1116.00	1115.00	-	16.429%	1116.00	1115.00	1115.00	-	16.429%
2012-13	2200.00	2200.00	-	32.446%	2200.00	2200.00	2200.00	-	32.446%
2013-14	1000.00	1000.00	-	14.75%	1000.00	992.14	992.14	-	14.63%
2014-15	1808.00	1808.00	-	35.13%	1808.00	1768.46	1768.46	-	32.40%
Total	6324.00	6324.00		100%	6324.00	6159.98	6159.98	-	97.15%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
(a) The main objective of the proposed project is to strengthen the existing embankment on both banks of Gumti River and to improve flood management in the Gumti Basin with a view to mitigate possible bank erosion and breaching of the Embankments. (b) The implementation of this project will ensure safety of human lives and properties from river erosion hazards and recurrent floods of Gumti River that experience flash floods by erection of Permanent River bank protection works and other ancillary works. (c) Moreover gross 1,02,000 ha and net 81,480 ha cultivatable land will get FCDI Facilities and the same time transport facilities of the project area and fish cultivation will improved	Following the revised, RDPP the physical component likely re sectioning of both bank of embankment, protective work, loopcut, ditch filling, ramp construction have already been performed. As a result the main objective of the project has already been achieved. Due to the execution of the project, safety of human lives & properties from river erosion hazards during the flash floods have been enhanced in overall project area 1,02,000 ha. Peoples enjoying FCDI facilities in overall project area. In addition to that irrigation facilities also improved to an cultivable area of 81,480 ha, fish cultivation also improves to a certain area by using sweet water of Gumti river. Seepage / piping also prevented by filling remarkable artificial ditches / hole / borrowpit as a result probability of failure of embankment decreased. In some of the dangerous spot, erosion of bank and embankment have been prevented by implementing new protective work. Though the embankment on both sides of river re sectioned / repaired as per approved design which was furnished on the basis prevailing flow condition. At present the flow of the river is control within flood way no subsidence occurs. Overall the situation of the flood management of gumti basin is improved after implementation of the project.	River Bank Protection of Gumti right embankment for a length 400m in between km 32.000 to km 35.000 at Jaforgonj, Debidwar could not be executed due to obstruction made by the land owner, Local people . The problem was raised to the meeting of the Project Steering Committee. As per decision of the PSC the work has been dropped. It was not hamper in attaining project objectives / Goal.

E. BENEFIT ANALYSIS

01. Annual Out-put: Not Applicable

Items of out-put	Unit	Estimated quantity expected at full capacity	actual quantity of out-put during the 1st year of operation at full capacity (or during, real production for newly completed project).
(a)			
(b)			
(c)			
(d)			

02. Cost / Benefit : Not Applicable

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	4.46 : 1.00	4.46 : 1.00
(ii) Economic	5.97 : 1.00	5.97 : 1.00
(2) Internal Rate of Return		
(i) Financial	41.69%	41.69%
(ii) Economic	50.08%	50.08%

03. 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
1. Mrs Afroza Moazzem, Joint chief, MoWR, Dhaka. 2. Mr. Prodeep Kumar Mohattan, Deputy chief, MoWR, Dhaka. 3. Mr Rokanuddin, Deputy chief, MoWR, Dhaka.	15.08.2013	The team visited all the components of work of RDPP which were running or executed earlier. The team mainly inspected the component site of 8-vent regulator & its connecting 3km gungur link canal. They talked with local people / project beneficiaries. The team also visited the proposed loop cut site at jaforgonj, debidwar.	The team recommended to the higher authority to dropped the component of construction of 8-vent regulator at chatra khill & 3.00 km link channel with gungur river. The team also observed that the loop cut at jaforgonj was not still matured. They suggested to, implement protective work in severe eroded right bank instead of loop cut.
1. Mrs Afroza Moazzem, Joint chief, MoWR, Dhaka.	19.06.2014	Local people were divided into two parts. Some were in favor of muradnagar loop cut, some were against the loop cut. The situation was observed by the inspecting officer and talked with the both parties in connection with their problem some people whom obstructing in the implementation of the work already submitted a writ petition of the honorable high court. These situation was informed the inspecting officer. She was discussed with all local people present in the site about the matter. Besides this, she was visited the jaforgonj protective work site.	The muradnagar loop cut was implemented after settlement of the case from Honorable High Court. All the components of RDPP were executed only for the achievement of its goals, so that the stack holders get maximum benefits. As the land owners near the bank of river, local people, local elites made obstruction in the execution of protective work at jaforgonj. Considering the field situation, the inspecting officer instructed to raise the matter to the meeting of Project Steering Committee (PSC).

0.2. Auditing during and after Implementation:

0.2. Auditing during and after Implementation:

2.1. Internal Audit: Not Applicable

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:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2010-11	07.03.2012	Minor Objection	Resolving Objections Under process
2011-12	29.11.2012	-do-	-do-
2012-13	29.11.2013	-do-	-do-
2013-14	17.11.2014	-do-	-do-
2014-15		-do-	Within short time audit team will come to audit the work executed in the financial year 2014-15

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on :

1.1 Background: The Gumti River originates from the Tipperan hilly region of India and flows into territory of Bangladesh through katak Bazar Border. In Bangladesh, Gumti River flows from east towards northwest then southwest and ultimately falls into the river meghna at Daudkandi. Entire Gumti River flows through the district of Comilla. In Bangladesh the length of meandering Gumti River is approximately 83km. The river covers the area of Burichang, Debidwar, Muradnagar, Brahmanpara and part of Daudkandi, Homna, Bancharampur and Comilla Sadar Thanna in Comilla District. The catchment area of the Gumti River is 2173sq. km. Total run-off Gumti River original from the catchments area of the Tipperan hilly region. It is a flashy river in nature. Each year several flash floods occur from May to August. During flash floods both discharge and velocity of the flowing water is tremendous. It also carries a lot of sediment. The water level of Gumti River rises very rapidly. Within 24 hours water level may rise by 2 to 2.5 meter. As a result it inundates the area supposed to be protected from flow of the Gumti River damaging standing crops, important infrastructures, homesteads and even loss of lives. The project Gumti phase-I implemented in 1985-86 to 1991-92 to provide flood control and drainage facilities to a gross area 1,02,000 ha and irrigation facilities to 81,480 ha. Total cost of the project was Tk.11405.14 lakh. The main components of the project are as follows:

a) Embankment 141.00km, b) Excavation and re-excavation of canals 142.00 km, c) Foot Bridge 13 nos. d) Appurtenant structure 192 nos. e) Road development 78.00km. f) Bridge and Culvert 14 nos. g) Bank Revetment 50.000 sq. meter. h) Spur and bank piling 50 nos. i) Building 540 sq. meter.

The feasibility level design or the preliminary design of the proposed infrastructure have been done based on the model simulation of different options including hydraulic data, the topographical conditions and purpose of each type of structure. The preliminary design has covered hydrologic, hydraulic and structural & foundation design of the structures as per established criterion BWDB and preparation of typical outline drawings of the structures. Results of model simulation of several alternative options have been analyzed and the feasible options are selected for further details.

1.2 Justification/Adequacy : The physical component of the work included in DPP on the basis of the recommendation from the feasibility study report. The feasibility study was done by IWM. The components of works included in the DPP such as re-sectioning of embankment, loop cut, protective work, ditch filling, construction of ramp, re-excavation of Gungur river etc. these items of work are solely appropriate for strengthening of flood embankment. It may be stated that in the feasibility study the weak portion of the embankment, eroded bank of embankment the ditches which are allowing piping /seepage, loop cut for shortening of river in the meandering reach, for proper drainage of Gungur river, ramp for communication & transportation of farmers crops etc. detected for inclusion in the DPP. The components incorporated in the DPP are more justified in consideration with the safety strength of the flood embankment.

The protection work executed was more appropriate for safety of embankment. The embankments repaired & rehabilitated as per approved design of BWDB design circle. Those ditches / borrow pit allowing seepage has been filled up by earth. As a result seepage line becomes cut off, the embankment overcome from the risk of breach, after execution of the above component of work the flood management of Gumti basin was improved with a view of attaining all the goals of the project mentioned in DPP. Now a days the stakeholders of the project enjoy maximum benefit. As the executed project able to perform to its objectives the item of work introduced in the RDPP is quite justified as per present field condition.

1.3 Objectives : The Main objective of the proposed project is to strengthen the existing embankment of both banks of Gumti River and to improve flood management in the Gumti Basin with a view to mitigate possible bank erosion and breaching of the embankments. The implementation of this project will ensure safety of human lives and properties from river erosion hazards and recurrent floods of Gumti river that experience flash flood by erection of permanent river bank protection works and other ancillary works. It is anticipated that huge immovable properties located in vicinity of affected river basin will be saved and human suffering will be reduced from river erosion process and recurrent floods by virtue of execution of project.

1.4 Project revision with reasons : Some of the components of the original DPP likely construction of regulator over Gungur river (8-vent) & excavation of Gungur link canal 3km has been dropped due to public demand, present field requirement & recommendation of technical committee and as per decision of the project rationalization meeting held on 09.09.2013 in the MoWR. The length of one of the component of the execution of Gungur river has been increased for the proper drainage of the Shankir Jala area as per recommendation of technical committee & as per decision of the above rationalization meeting. For the above reasons the revision of the DPP is essential for the smooth implementation of the item of work ensuring maximum benefit in the project area.



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

Bangladesh is a riverine country and bank erosion of different rivers has been a recurrent effect, river bank erosion in alluvial lands of riverine Bangladesh is a complex and dynamic thrust of nature due to strong onrush of water and major variation in between normal water flow and surges of inflow during monsoon & post monsoon period in each year. The monsoon discharge of the major rivers is so large that there is recurrence of floods every year. Sometimes it becomes very severe and causes immense damages impacted by occurrence of devastating river erosion. This has significant social and economic impacts. The loss of land, crop and property has led to landlessness and impoverishment of thousands of dwellers living within bank-lines.

Lot of problems emerge from Gumti river and people badly suffer from them. Flash flood in the river emerges as the main problem of the area. The other problems are drainage congestion, sand/silt deposition, lack of irrigation facilities and river erosion. The vast majority of the respondents from both the project and control area have reported that they incur losses to their homestead, crop, land and other belongings due to those problems.

More than a half of the total sample respondents opine for re-excavation of Gumti River, raising and strengthening of both bank of Gumti River. In mitigating the problems respondent's main additional suggestion is straightening Gumti river by cutting loops of the river.

In this context, there have been a growing concern and reassessment of the economic and socio-political benefits of protecting important towns, infrastructure, huts and bazaar as well as agricultural land. The issue has been given due importance in the national planned documents for water sector and prioritized strategic location of river banks have been stressed for phased implementation for execution of river bank protection program at the apex level.

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

- ◆ **Project Identification:** Comilla O&M Division BWDB, Comilla & Gumti O&M Division BWDB, Comilla.
- ◆ **Project Preparation :** Comilla O&M Division BWDB, Comilla & Gumti O&M Division BWDB, Comilla.
- ◆ **Appraisal :** Planning Commission
- ◆ **Credit Negotiation:** Not required
- ◆ **Credit Agreement:** Not required
- ◆ **Credit Effectiveness:** Not required
- ◆ **Loan Disbursement:** Not required
- ◆ **Loan Conditionalities:** Not required
- ◆ **Project Approval:** Planning Commission
- ◆ **Others (if any) :** Implemented by GOB financing

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 : Not Applicable
- 4.3 O & M programme of the project: Will be taken when required.
- 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 : Yes
- 4.6 Employment generation through the project: Yes
- 4.7 Possibility of Self employment: Yes
- 4.8 Possibility of women-employment opportunity: Yes
- 4.9 Women's participation in development: Yes
- 4.10 Probable Impact on Socio-Economic activity : No
- 4.11 Impact on environment : Positive
- 4.12 Sustainability of the project: Positive
- 4.13 Contribution to poverty alleviation/reduction : Yes
- 4.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc. : Positive
- 4.15 Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities : No

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

- | | |
|---|---|
| 5.1 Project Management | 5.12 Project aid disbursement and re-imbursment |
| 5.2 Project Director | 5.13 Mission of the development partners. |
| 5.3 Land Acquisition | 5.14 Time & Cost Over-run |
| 5.4 Procurement | 5.15 Project Supervision/Inspection |
| 5.5 Consultancy | 5.16 Delay in Decision |
| 5.6 Contractor | 5.17 Transport |
| 5.7 Manpower | 5.18 Training |
| 5.8 law & Order | 5.19 Approval |
| 5.9 Natural calamity | 5.20 Others. |
| 5.10 Project financing, allocation and release. | |
| 5.11 Design formulation/approval | |

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

River Bank Protection of Gumti right embankment for a length 400m in between km 32.000 to km 35.000 at Jaforgonj, Debidwar could not be executed due to obstruction made by the land owner, Local people and elite person. During the execution of different component of DPP inhabitants of right bank of Gumti river at jaforgonj are demanding a loop cut near jaforgonj bazar of the meandering portion of the river. But the people of left bank opposed against it. Considering the demand of the people of right bank BWDB constitute a technical committee to study about the proposed loop at Jaforgonj. As per report formulated by the technical committee, the BWDB field officials submitted the RDPP incorporating the component of Jaforgonj loop-cut.

The revised RDPP was placed in the project rationalization meeting. The meeting was held on 09.09.2013 in MoWR. As per decision of said meeting proposed loop cut of Gumti river at Jaforgonj has been dropped considering the immature loop from satellite image & relevant documents submitted by technical committee (Minutes of meeting attached). In this meeting it was instructed to implement a protective work in severe eroded right bank to save the cultivable land & people's property from river erosion. Accordingly 400m protective work has been included in the re-casted RDPP instead of proposed loop. In this regard the component of 400m protective work at right bank of Jaforgonj has been under taken as per approved RDPP.

Whenever BWDB field official trying to implement the work, the land owner at the bank & inhabitants of right bank of Gumti River at Jaforgonj made an obstruction / varicate to stop the work. The inhabitants of that area land owners and local elites made a huge gathering against the execution of protective work. They raised their original demand to execute a short cut channel /Loop instead of protective work. The field officials have been tried heart & soul to motivate the local elites & stakeholders & land owner but failed. The problem in the execution of protective work at jaforgonj was placed to the higher authority of Board. Subsequently the BWDB higher authority raised the problem created by the local people, land elites and land owners in the execution of protective work at jaforgonj to the meeting of Project Steering Committee held on 03.02.2015 in MoWR. Due to the obstruction / varicate made by the local people, land owner and local elites the PSC was given a decision to stop the work. & also instructed in the meantime the manufactured block was kept as a stock pile, which may be used in the burnable eroded bank of Gumti River in future. It was further instructed that the blocks of stock pile will be used only the Gumti river at erodible bank after completion of the project with prior permission of competent authority (Minutes of meeting enclosed). As one of the protective work was partially done so there is a lagging of physical progress of work. As per RDPP the physical work likely re-sectioning of embankment (100%), Loop cut (100%), Ditch filling (100%), Ramp construction (100%), , Capital component –Goods (100%), Protective Work (Partly due to obstruction) have already been executed. After calculation weighted value of different components it was found that the overall physical progress of the project is 97.15% and declared complete. There is no impact of such lagging of progress in the completed project after completion of the physical components of the RDPP etc. This is completely capable to perform its objectives mentioned in RDPP. Peoples/ stockholders enjoy the project benefits with entire satisfaction. It may be stated that the flood embankment is a vital one and the protective work & ditch filling are also worked as a safe guard of the embankment. It may be further added that the flood embankment is far away from the said protective work site. As it was not executed there is no chance of breaching of embankment. In this portion the embankment is safe due to it is situated far away from flowing channel. No homestead is closed to the eroded bank, only agriculture land will loss due to erosion and this occur due to the obstruction / varicate mainly made by the land owners & their supporters. This happens due to the ignorance of 2-3 land owners. After all only the land owners will be looser.

Financial saving is due to the saving from different main items likely

i)	Revenue head: printing & stationary	=	4.00 lac
ii)	Land Acquisition	=	296.62 lac
iii)	Earth work oriented item such as re-sectioning of embankment, ditch filling, loop cut, re-excavation of Gungur River etc.	=	20.95 lac
iv)	Protective work	=	204.78 lac
v)	Physical contingency (100%)	=	30.71 lac
vi)	Price contingency (100%)	=	62.48 lac



Though the physical progress of the project is 97.15%, it is capable to deliver benefit approximately 100% Peoples within project area gets benefits with entire satisfaction. Thus the project is completed in 30th June /2015 & a successful one.


6/21/0120
(MD. NURUL AMIN)
Superintending Engineer (Addl ch)
Control & Circles
Project Director

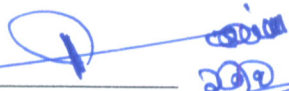
Date :

Signature and seal of the Project Director/Manager

7. Remarks/Comments of Agency Head

This project has improved the flood management system in Gumi basin as the banks of the Gumi river get strengthened. Moreover safety of human lives and private properties have become more secured. People are also enjoying FDI facilities through this project growing more crops on a large area. So, this project achieved its goals and objectives successfully.

Date :


20/06/2015
Signature and Seal
(MD. ISMAIL HOSSAIN)
Director General
BWDB, Dhaka.

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

Date :

Signature and Seal

(একই তারিখ ও স্মারকে স্থলাভিষিক্ত হবে)

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

পানি সম্পদ মন্ত্রণালয়

উন্নয়ন-১ অধিশাখা

বিষয় : "Rehabilitation and Strengthening of Embankment on both sides of Gumti River" শীর্ষক প্রকল্প বাস্তবায়নের সমস্যা, সমাধান ও সার্বিক বাস্তবায়ন অগ্রগতি পর্যালোচনার লক্ষ্যে গঠিত স্টিয়ারিং কমিটির ০৩-০২-২০১৫ ইং তারিখে অনুষ্ঠিত ৪র্থ সভার কার্যবিবরণী।

গত ০৩ রা ফেব্রুয়ারি, ২০১৫ তারিখে বাংলাদেশ পানি উন্নয়ন বোর্ডের আওতায় বাস্তবায়নাধীন "গোমতী নদীর উভয় তীরে বাঁধ পূর্ববাসন ও শক্তিশালীকরণ প্রকল্প" এর সার্বিক বাস্তবায়ন অগ্রগতি পর্যালোচনা এবং বাস্তবায়ন সমস্যা সমাধানের লক্ষ্যে গঠিত স্টিয়ারিং কমিটির ৪র্থ সভা পানি সম্পদ মন্ত্রণালয়ের সচিব ড. জাফর আহমেদ খান এর সভাপতিত্বে মন্ত্রণালয়ের সভাকক্ষে অনুষ্ঠিত হয়। সভায় উপস্থিত কর্মকর্তাদের তালিকা পরিশিষ্ট-"ক"-তে সংযুক্ত করা হলো।

২। সভাপতি উপস্থিত সবাইকে স্বাগত জানিয়ে সভার কাজ শুরু করেন। সভার শুরুতে তিনি এ প্রকল্পের উদ্দেশ্য সম্পর্কে আলোকপাত করেন। এরপর তিনি প্রকল্পের সার্বিক অবস্থা বিস্তারিত ভাবে উপস্থাপনের জন্য প্রকল্প পরিচালককে অনুরোধ জানান। সভাপতির অনুমতিক্রমে প্রকল্প পরিচালক এর পক্ষে নিবাহী প্রকৌশলী, গোমতী পওর বিভাগ, বাপাউবো, কুমিল্লা Power point presentation এর মাধ্যমে প্রকল্পের উদ্দেশ্য পটভূমি, সার্বিক অগ্রগতি এবং বর্তমান কাজের অবস্থা সভায় অবহিত করেন।

৩। প্রকল্প পরিচালক অবহিত করেন যে, মূল ডিপিপি অনুযায়ী প্রকল্পের মেয়াদকাল ছিল জানুয়ারী/২০১১ হতে জুন/২০১৩ পর্যন্ত এবং ব্যয় ছিল ৭৩৩৭.০৫ লক্ষ টাকা। প্রকল্পটি বাস্তবায়নকালে মাঠ পর্যায়ে প্রয়োজনীয়তার নিরীখে সংশোধন করা হয়। তদনুযায়ী প্রকল্পের যাচাই-বাছাই কমিটির সভায় দাখিলকৃত আরডিপিপি পর্যালোচনাতে কমিটি অনুমোদনের সুপারিশ করে। পানি সম্পদ মন্ত্রণালয়ের স্মারক নং- ৪২.০৪৩.০১৪.০১.০০.০৪৮.২০০৭-৩১ তারিখঃ- ২৯-০৪-২০১৪ খ্রিঃ মূলে আরডিপিপি অনুমোদিত হয়। আরডিপিপি মূল্য ৬৭৮০.৫২ লক্ষ টাকা এবং সংশোধিত প্রকল্প মেয়াদ জানুয়ারী/২০১১ হতে জুন/২০১৫ পর্যন্ত।

৪। প্রকল্প পরিচালক আরও জানান যে, গত ২০১৩-২০১৪ অর্থ বছরে প্রকল্পের সকল অঙ্গের কাজের দরপত্র আহবান সহ কার্যাদেশ প্রদান প্রক্রিয়া সম্পন্ন করা হয়েছে। আরডিপিপি অনুযায়ী প্রকল্পটি কুমিল্লা জেলার কুমিল্লা সদর, বুড়িচং, দেবিদ্বার, মুরাদনগর, ব্রাহ্মণপাড়া ও তিতাস উপজেলা নিয়ে বিস্তৃত। প্রকল্পের আওতায় গোমতী নদীর বাম বন্যা বাঁধ ৪৮.৮১৪ কিঃমিঃ এবং ডান বাঁধ ৫৩.০১ কিঃমিঃ পুনরাকৃতিকরণ, মুরাদনগর ১টি লুপকাট, ঘুংগুর ১৫.৬২০ কিঃমিঃ পুনঃখনন, ১২২০ মিঃ নদীর তীর সংরক্ষণ কাজ, ৩৪টি ডোবা ভরাটকরণ, ২০টি ব্যাস্প নির্মাণ ইত্যাদি অন্তর্ভুক্ত রয়েছে। কুমিল্লা পওর বিভাগ ও গোমতী পওর বিভাগ প্রকল্পটি বাস্তবায়নে নিয়োজিত। এ যাবৎ প্রকল্পের ভৌত অগ্রগতি ৮০% এবং আর্থিক অগ্রগতি ৫১৪০.০৩ লক্ষ টাকা। প্রকল্পের অগ্রগতিতে সন্তোষ প্রকাশ করা হয় তবে Power point presentation হতে লুপ কাট কাজের অগ্রগতি এবং দেবিদ্বারস্থ জাফরগঞ্জে প্রতিরক্ষামূলক কাজের অগ্রগতি সম্পর্কে সভাপতি মহোদয় বিস্তারিত জানতে চান।

৫। মহাপরিচালক, বাংলাদেশ পানি উন্নয়ন বোর্ড মহোদয় মুরাদনগর লুপকাটের সমস্যা বিস্তারিতভাবে উপস্থাপনের জন্য অনুরোধ জানান। সভাকে জানানো হয় যে, লুপ কাটের জন্য ২.৪২ হেক্টর জমি অধিগ্রহণকালে ৬-ধারা নোটিশজারী হয়। তৎপ্রেক্ষিতে জেলা প্রশাসক, কুমিল্লার অনুকূলে সমুদয় টাকা অর্থাৎ ৭৪১.৩৮ লক্ষ টাকা পরিশোধ করা হয়। এ প্রেক্ষিতে গোমতী পওর বিভাগের নিবাহী প্রকৌশলী জনাব মোঃ কামাল উদ্দিন জুঞা, পিতা মৃত- মোঃ মোজাম্মেল হক জুঞা, গ্রামঃ চৌধুরীকান্দি, ডাকঘর + উপজেলাঃ মুরাদনগর জমি অধিগ্রহণে আপত্তি তুলে হাইকোর্টে একখানা রীট করেন। যেহেতু মাননীয় হাইকোর্ট বিভাগ গত ১৪-০৭-২০১৪ ইং তারিখে একখানা রুহনিশি প্রদান করেন। তবে আদালত স্থগিতাদেশ প্রদান করেননি বিধায় এল এ কেইস মামলার পরবর্তী কার্যক্রম বিধি মোতাবেক পরিচালনার ক্ষেত্রে আইনগত কোন বাধা পরিলক্ষিত হয় না মর্মে গত ০২-০২-২০১৫ ইং তারিখে আইন, বিচার ও সংসদ বিষয়ক মন্ত্রণালয়ের সলিসিটর অনুবিভাগ এর সিনিয়র সহকারী সচিব, রিট-২ শাখা থেকে জেলা প্রশাসক কুমিল্লা বরাবর অবহিত করা হয়। সে মোতাবেক জেলা প্রশাসক, কুমিল্লার দপ্তর থেকে বর্তমানে ০৭ ধারা জারীর কার্যক্রম শুরু হয়েছে। অন্যদিকে রীট মামলা শুনানির জন্য ০৮-০২-২০১৫ তারিখ ধার্য আছে। রিট মামলাটি শুনানির জন্য মাননীয় পানি সম্পদ মন্ত্রী মহোদয় অতিরিক্ত এটর্নি জেনারেল মহোদয়কে টেলিফোনে গত ২০-০১-২০১৫ তারিখে দায়িত্ব প্রদান করেন। বিষয়টি সভায় অবহিত করা হয়।

১০। স্টক পাইলে বর্ণিত মজুদকৃত সিসি ব্রক প্রকল্পের মেয়াদ শেষে শুধুমাত্র গোমতী নদীর ডাঙ্গনকবলিত ঝুঁকিপূর্ণ স্থানে নদীর তীরের প্রতিরক্ষামূলক কাজ বাস্তবায়নে ব্যবহার করতে হবে। তবে এক্ষেত্রে বোর্ডের যথোপযুক্ত কর্তৃপক্ষের অনুমোদন গ্রহণ করতে হবে।

১০। অপর কোন আলোচ্য সূচী না থাকায় সভাপতি উপস্থিত সকলকে ধন্যবাদ জ্ঞাপন করে সভার সমাপ্তি ঘোষণা করেন।

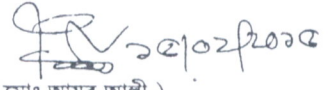
স্বাক্ষরিত/-
১০/০২/২০১৫
(ড. জাফর আহমেদ খান)
সচিব
পানি সম্পদ মন্ত্রণালয়

নং-৪২.০৩৪.০১৪.০০.০০.০২৪.২০১২-৬৪

২৯ মাঘ, ১৪২১
তারিখ : -----
১১ ফেব্রুয়ারি, ২০১৫

সদয় অবগতি ও প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য প্রেরণ করা হলো (জ্যেষ্ঠতার ভিত্তিতে নয়) :

- ১। সিনিয়র সচিব, বাস্তবায়ন পরিবীক্ষণ ও মূল্যায়ন বিভাগ, শেরে বাংলা নগর, ঢাকা।
- ২। সদস্য, কৃষি পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ, পরিকল্পনা কমিশন, শেরে বাংলা নগর, ঢাকা।
- ৩। মহাপরিচালক, বাংলাদেশ পানি উন্নয়ন বোর্ড, ওয়াপদা ভবন, মতিঝিল বা/এ, ঢাকা।
- ৪। অতিরিক্ত সচিব, পানি সম্পদ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৫। যুগ্ম-প্রধান, পানি সম্পদ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৬। অতিরিক্ত মহাপরিচালক (পশ্চিম রিজিয়ন), বাংলাদেশ পানি উন্নয়ন বোর্ড, ওয়াপদা ভবন, মতিঝিল বা/এ, ঢাকা।
- ৭। অতিরিক্ত মহাপরিচালক (পরিকল্পনা), বাংলাদেশ পানি উন্নয়ন বোর্ড, ওয়াপদা ভবন, মতিঝিল বা/এ, ঢাকা।
- ৮। উপ-প্রধান (সংশ্লিষ্ট), পানি সম্পদ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৯। প্রকল্প পরিচালক, “Rehabilitation and Strengthening of embankment on both sides of Gumti River” বাংলাদেশ পানি উন্নয়ন বোর্ড, কুমিল্লা।
- ১০। সচিব মহোদয়ের একান্ত সচিব, পানি সম্পদ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।


(মোঃ আয়ুব আলী)
উপ-সচিব
৯৫৭৬৭৭৮

