

Government of the People's Republic of Bangladesh

Ministry of Water Resources

Bangladesh Water Development Board



PROJECT COMPLETION REPORT

for

**Emergency Disaster Damage Rehabilitation (Sector)
Project-2007 (Part-E: Water Resources)**

July 2011

Government of the People's Republic of Bangladesh
Ministry of Planning
Implementation Monitoring & Evaluation Division

PROJECT COMPLETION REPORT: IMED 04/2003 (Revised)

A. PROJECT DESCRIPTION:

1. Name of the Project : Emergency Disaster Damage Rehabilitation (Sector) Project-2007 (Part-E: Water Resources).
2. Administration Ministry/Division : Ministry of Water Resources
3. Executive Agency : Bangladesh Water Development Board
4. Location of the Project : All over Bangladesh
5. Objectives of the Project : The main objective of the project is to rehabilitate/repair the BWDB infrastructure damaged by flood 2007 in Govt. declared 39 severely affected districts covered under the jurisdiction of 37 BWDB field divisions, so as to bring the damaged structures to the original condition to ensure the desired benefits of the sub-projects.

6. Estimated Cost : (In lakh Taka)

	Original	Latest Revised
(a) Total	29051.42	32,669.00
(b) Taka	8527.96	6041.15
(c) Project Aid (PA)	20523.46	26627.85
(d) Foreign Currency (DPA)	940.82	675.79
(e) RPA	19582.64	25952.06

7. Date of Approval : PCP | PP/DPP
- (a) Original : 29 November 2007
- (b) 1st Revised : 17 September 2009
- (c) 2nd Revised : 29 November 2010
- (d) Special Revised :

8. Project Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	2007-08 (Jan. 2008)	2009-10 (June 2010)
(b) Latest Revised	2007-08(Jan 2008)	2010-11 (March 2011)
(c) Actual	2007-08(Jan 2008)	2010-11 (March 2011)

9. 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
ADB	US\$	3.48	Loan	04.02.08	90 days after as per loan agreement	31.12.10	
GON	US\$	24.00	Grant	20.11.08	20.11.08	30.06.11	
JICA	US\$	8.20	Loan	27.02.08	27.02.08	24.03.12	
CIDA	US\$	2.39	Grant	28.03.08	28.03.08	30.06.10	31.12.10

b) GoB : (In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
6041.15	-	Grant	-

9.2 Utilization of Project Aid: (Source wise) : (In Million)

Source (s)	Allotted amount		Actual Expenditure		Utilization amount	
	In US\$	In local Currency (in lakh Tk.)	In US\$	In local Currency	In US\$	In local Currency
1	2	3	4	5	6	7
ADB	3.48	2414.42	3.48	2360.44	3.48	2360.44
GON	24.00	16651.20	24.00	15692.73	24.00	15692.73
JICA	8.20	6328.00	7.42	5723.75	7.42	5723.75
CIDA	2.39	1658.18	1.19	1417.64	1.19	1417.64
GoB	8.70	6041.15	8.59	5957.64	8.59	5957.64

9.3 Reimbursable Project Aid: (RPA) : (In Million)

RPA amount		Amount spent	Amount Claimed	Amount Reimbursed	Remarks
As per RDPP	As per Agreement				
1	2	3	4	5	6
25952.07	26373.61	24519.29	24519.29	24488.85	

B. IMPLEMENTATION POSITION**1. Implementation Period :**

Implementation Period as per DPP		Actual Implementation	Time over-run (% of original implementation period)	Remarks
Original	Latest Revised			
2007-08 (Jan. 2008) to 2009-10 (September 2010)	2007-08 (Jan. 2008) to 2010-11 (March 2011)	2007-08 Jan. 2008 to 2010-11 (March 2011)	20%	Due to finalization of packages, modification of design, irregular fund flow, early rise of river stage in some rivers of South-Eastern Zone of the country, negligence of contractor to complete the work are the main reasons for time over-run.

2. Cost of Project :

Description	Estimated cost		Actual Expenditure	Cost over-run (% of original cost)	Remarks
	Original	Latest Revised			
Total	29051.42	32,669.00	31152.20	7.23%	Scope of works, change in design and change of schedule rates are the main reasons for the cost over-run.
Taka	8527.96	6041.15	5957.64	-30.14%	
PA	20523.46	26627.85	25194.56	22.76%	

3. Project Personnel :

	Manpower engaged during execution	Status of the existing Manpower			Manpower employed
		Manpower recruitment for O & M period	Existing manpower for O & M	Others	
Officer	Project Coordinator, Addl. CE/SE -1 PD/SE - 1 XEN-3 SDE/AE -2 AO-1 SO-1		PD/SE - 1 XEN-2 AO-1 SO-1		-
Staff	Senior Accounts Assistant-1 Driver-1 Guard-1 MLSS-2		Driver-1 Guard-1 MLSS-1		-
Total	14 nos.		8 nos.		

4. Training of Project Personal (Foreign/Local) : (In Million)

Field of Training/ Study/tour workshop/ Seminar etc.	Provision as per DPP		Actual		Remarks
	Number of person	Man months	Number of person	Man months	
1	2	3	4	5	6
a. Foreign	-	-	-	-	-
b. Local	-	-	-	-	-

5. Component wise progress (As per latest approval DPP).

Economic Code	Work component as per RDPP	Revised DPP Cost (2 nd revision)	Achievement up to March 2011	
			Financial	Physical (% of the comp)
4800	<u>Supplies and Services</u>			
4801	Traveling Allowance	0.20	0.05	100
4805	Over Time	0.40	0.37	100
4814	Other Taxes (VAT,IT of Consultants)	285.22	267.80	100
4815	Postage	0.33	0.21	100
4823	Petrol & Lubricant	89.59	83.84	99.30
4827	Printing & Publications	10.00	8.47	100
4828	Stationary	19.63	16.53	100
4874	Design & Supervision Consultant	1703.61	1679.93	99.93
4886	Survey and Investigation	30.35	28.84	100
4888	Computer and photocopy accessories	12.33	10.38	100
4899	Others Expenditure	7.82	2.52	74
4900	<u>Repairs Maint. and Rehabilitation:</u>			
4901	Motor vehicle (Maint.)	2.19	1.43	99.80
4921	Office Building (Maint.)	9.05	7.99	99.34
4991	Others	0.30	0.30	100
7000	<u>Civil Works:</u>			
7081	Embankment (km):			
	Full: 43.568	1710.83	1710.83	100
	Part: 299.587	3240.38	3149.57	98
7081	Irrigation canal /drainage channel (km)			
	Part: 28.755	250.12	250.12	100
7041	Water control structure (nos)			
	Full: 17	1675.97	1501.36	100
	Part: 58	254.73	236.49	100
7081	Protective Work (km):			
	Revetment:			
	Full: 27.980	20220.48	19041.07	98.60
	Part: 7.519	2179.38	2179.38	100
	Spur (Nos):			
	Part:10	966.09	964.70	100
Total		32699.00	31152.20	98.92*

* As per completed physical work

6. 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
Abdur Rahman Bhuiyan Superintending Engineer	Full time	-	-	23.12.2007	14.02.2010	Retired from Service
Md. Sirajul Islam Superintending Engineer	Full time	-	Yes	14.02.2010		

7. Procurement of Transport (in nos.) :

Type of transport	Number as per PP	Procured with date	Transferred to transport with date	Transferred to O & M with date	Condemned /damaged with date	Remarks
1	2	3	4	5	6	7
Jeep	<i>Nil</i>					
Microbus						
Sedan						
Water Transport						

8. Procurement of Goods, works and consultancy services :

8.1 Goods, works of the project costing above tk. 100.00 lac and Consultancy above tk. 50.00 lac

Description of procurement goods works/consultancy as per bid document contract no.	Tender/bid/proposed cost (in completion)		Tender/bid/proposed		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 (Revised)
1	2	3	4	5	6	7
<i>Attached as annexure – 1</i>						

8.2. Use if project consultancy (s) (Foreign/Local):

Name of field	Approved man month		Actual man month	Remarks
	As per RDPP	As per contract		
1	2	3	4	5
(a) Foreign	-	-	-	-
(b) Local:	-	-	-	-
International expert	31.29 mm	30.83 mm	30.83 mm	-
Local	483.92 mm	480.24 mm	480.24 mm	-

9. Construction/Erection/Installation Tools & Equipment :

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

C. FINANCIAL AND PHYSICAL PROGRAMME:**1. (a) Original and revised schedule as per DPP :**

Financial year	Financial provision & physical target as per original DPP				Financial provision & physical target as per latest revised DPP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
2007-08 (Jan. 2008) to 2010-11 (March 2011)	29051.42	8527.96	20523.46	100%	32669.00	6041.15	26627.85	100%

1. (b) Revised RDPP allocation and progress :

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
2007-08 (Jan. 2008) to 2010-11 (March 2011)	32669.00	6041.15	26627.85	100%		31152.20	5957.76	25194.44	98.92%

D. ACHIEVEMENT OF OBJECTIVE OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall if any
The main objective of the project is to rehabilitate/ repair the BWDB infrastructure damaged by flood 2007 in Govt. declared 39 severely affected districts covered under the jurisdiction of 37 BWDB field divisions, so as to bring the damaged structures to the original condition to ensure the desired benefits of the 119 nos. sub-projects.	DPP cost (2 nd revision) for the Project was Tk. 32669.00 lac. Physical progress upto February 2011 is 98.92% and Financial achievement was Tk. 31152.20 lac.	Basically there is no shortfall in the achievement of physical target of the project component. 98.92% Physical progress of the project has been achieved within the completion period. It has been assessed that components of all the sub-projects under the projects have been rehabilitated successfully for which financial cost involved is Tk. 31152.20 lac.

E. BENEFIT ANALYSIS

Benefits due to the project can not be quantified directly. However, rehabilitation of BWDB infrastructures and bring the damaged structures in operable condition to ensure the desired benefits of the sub-projects.

1. Actual 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).
		Not tangible benefit.	

2. Cost Benefit:

Item	Estimated	Actual
i) Benefit cost ratio of the project		
(a) Financial	Implementation of the project initially was considered rehabilitation of the damaged sub-projects to ensure desired output of the original projects. So no estimation for BCR & IRR of the project was made.	2.14 : 1.00
(b) Economic		2.43 : 1.00
ii) Internal rate of return project		
(a) Financial		28.93%
(b) Economic		33.39%

3. Please give reasons for shortfall, if any, between the estimated and actual benefit:
Not applicable

F. MONITORING AND AUDITING:**0.1. Monitoring:**

Name & designation of expecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
Ministry/Agency: IMED: Director & Deputy Director Others: Project Monitoring Team of BWDB & Project Consultant	Main monitoring was done by the project consultant. Besides the project consultant, monitoring was also done by IMED. Director & Deputy Director of IMED visited a number of sub-projects. Problem identified during visit of IMED was rectified in field level and accordingly IMED was duly informed. BWDB's project monitoring team also supervised the implementation work frequently and ensured the work done as per specification.		

0.2. 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
Not applicable			

2.2 External Audit:

Period of Audit	Date of submission of Audit Report	Major findings objections	Whether objections resolved or not.
1	2	3	4
Audit was performed by Foreign Aided Project Audit Directorate (FAPAD) for period of 2007-08 (Jan. 2008) to 2010-11 (March 2011)	In due time	No major objection was raised	Out of 27 nos. objections raised by FAPAD, spot settled 6 nos. Reply was given for 21 nos. to FAPAD from where 11 nos. fully and 01 no partly settled by FAPAD later on. 09 nos. reply under process by FAPAD. It is noted that out of 09 nos. unsettled audit observations, 5 nos. are related with revenue realised from selling of tender documents, bank interest, forfeited tender security & performance security which has been deposited to BWDBs Central Revenue Account as per BWDBs rule. According to FAPAD opinion, these should be deposited to Govt. account. Policy decision is needed.

G. DESCRIPTIVE REPORT:

1. General Observations/Remarks of the project on:

1.1 Background

As Bangladesh is a riverine country, floods are considered as primary natural disasters for the country as a whole. Sometimes, the severity of floods in regular/irregular intervals causes for devastation for both lives and properties with environmental imbalance.

Bangladesh experienced a severe flood during the year 2007. The 2007 flood was in two short spells over three months during July-September. The first spell started from the end of July and continued till mid August, flooding about 30% of the land mass of the country. The second spell occurred following prolonged and heavy rainfall at the end of August and mid September, flooding about 42% of the land mass of the country. With slow receding at the Chandpur confluence of the river Meghna and Jamuna, the second spell resulted in flood stagnation in the upper Meghna basin and the lower Brahmaputra and Ganges basin. The floods covered 46 districts (40 districts in July to mid August and additional six following end-August to mid-September flood), but due to tidal and cyclonic surcharge some districts are affected. The most severely affected districts are 47 of which rehabilitation works under this DPP covers 35 districts. Damaged works of other districts was taken up from other source.

The information received from the field offices was compiled to prepare a preliminary report which was examined at the BWDB headquarters in the light of experience of implementation of Emergency Flood Damage Rehabilitation Project -2004. As per this report 2077.56 km embankment, 60.670 km protective works, 314.72 km irrigation/drainage khals, 764 nos. water control structures, 38 nos Groyne/Spur & 52 other structure were fully or partly damaged.

Total Cost of damages due to flood-2007 was Taka 55592.00 lakh which was required Taka 59968.00 lakh for rehabilitation. During financial year 2007-08 the very urgent rehabilitation works was done from O & M Budget for an amount of taka 8338.00 lakh. Initially, rehabilitation works worth Tk 3600.00 lakh for on going projects were planned for implementation through revising the existing DPP of Emergency Flood Damage Rehabilitation Project -2004 with cost TK.29051.42 lakh.

After an initial flood damage assessment, the government of Bangladesh (GoB) immediately sought assistance of the to Donors to finance the cost of restoration of the severe damages inflicted to embankments, irrigation and canals, sluices/bridges/culverts and other flood protection related works.

The ADB and the World Bank along with the expert of the Government of Bangladesh fielded a joint mission to assess the extent of damage of flood affected infrastructure and conducted several meeting and discussion. ADB agreed to provide special Operations Loan for the rehabilitation of 2007 flood damaged infrastructure. Considering the emergent nature of the Project, the consultants was mobilized and project activates were started with effect from 01.01.2008 before the loan agreement was signed.

1.2. Justification/adequacy

Flood in Bangladesh is a recurrent natural phenomenon. Natural disasters can be sudden or slow in onset. Sudden commencement of disasters such as flood, cyclone, river bank erosion can destroy the country's infrastructures, commercial and industrial activities and environment. Flood causes enormous damage to lives, properties, commercial establishments, installations and various kinds of infrastructures. Thus for restoration of damaged infrastructures, the FDR works undertaken by BWDB is inevitable. To bring desired level of stipulated benefits from the significant works established in the past, the present state of FDR is fully justified and it will help contribute in surplus food production of the country

Bangladesh experienced severe flood in different periods of the years of 1987, 1988, 1998 and 2004. In 2007 Bangladesh again faced flood disaster that caused heavy damages to the major infrastructures roads, bridges, embankments and irrigation systems. It also caused significant economic losses to agriculture and small scale industries. So far information received about 14 million people were affected and 1 million homesteads/settlements, 11 million ha of crop and more than 31,000 km of roads were damaged. These preliminary estimates suggest that the reconstruction cost of the lost and damaged infrastructures are likely to be significantly high.

The project (Part-E:Water Resources) was undertaken for the repair and rehabilitation of the components of existing BWDB project. So there is no recurring quantifiable benefit will be accrued by virtue of execution of the project. As such, it has no effect on balance of payment. However reduction of crops damage due to the damage of the project component by the flood 2007, throughout Bangladesh will have impact on country's economic situation. The project will provide additional income and employment opportunities for multiple groups in the respective sub- project area. New job opportunities for local unskilled and skilled labour will be generated both during construction period and after wards annual O & M period, Women are also considered as project beneficiaries. The project is expected to achieve a better

hydrological balance in the rivers of the project area and thereby better ecological balance will be maintained.

1.3. Objectives.

The main objective of the project is to rehabilitate/repair BWDB infrastructures damaged by flood 2007 in Govt. declared 35 severely affected districts so as to bring the damaged structures in operational condition to ensure the desired benefits of the sub-projects.

1.4 Project revision with reasons:

The physical works of the project was scheduled to complete by 30 June 2010 and the financial activities by 30 September 2010 as per concurrence of ADB which was reflected in the approved 1st revised DPP of EDDRP-07 (Part E: Water Resources).

According to approved 1st revised DPP of EDDRP-07 (Part E : Water Resources), all physical works were targeted to complete by 30 June 2010 and financial activities by 30 September 2010. But the Government of the Netherlands (GoN), the major development partner of the project informed that about 5 million US\$ could not be disbursed earliest 28 February 2011. From middle of April 2010, river stage in some rivers of North-Eastern Region of the country suddenly rised that was the pick time for execution of works in the field. The river stage was so high that dumping of materials in the river bed and placing of CC blocks on the slope of the river bank was not possible. ADB mission visited flood affected ongoing works under Sylhet O&M Division and Moulavibazar O&M Division on 18-30 April 2010 and reported unusual rising of water level caused the barrier to complete the works and recommended for extension of time for civil works to be completed beyond 30 June 2010 in Mision Aide Memoire. Moreover, JICA stopped their fund disbursement from April 2010 because of audit objection on some contracts raised by Foreign Aided Project Audit Directorate (FAPAD). This decision of JICA slowed down the progress of physical works because of fund constraint at high working time. As a result, some contracts of JICA funded were needed to carry over in the proposed extended period. So the extension of project duration was obligatory.

Under the above circumstances, IMED, Planning Commission opined to complete the remaining physical works with the extension of the project by June 2011. The matter was discussed in the Wrap Up and Project Steering Committee meeting held on 24.06.2010 chaired by the Chairman of the Project Steering Committee and Secretary, Planning Division, Planning Commission. In the meeting, the matter was agreed in principle regarding the completion of incompleted works and the discussion was made regarding extension of implementation period up to June 2011. The decision of the steering committee is as follows "In order to extend the implementation period of the project ERD may be approached to take necessary steps to extend the loan agreement of the project". As per proposal of ERD, ADB agreed to extend the project loan duration for physical work up to 31 December 2010 and further 3(three) months after December 2010 to facilitate the disbursement for the expenditures. Finally, ERD has given concurrence on the decision of ADB. Considering the

above situation, 2nd revision of the DPP was prepared with Taka 32669.00 lac which has been approved by ECNEC on 29.11.2010.

2. Rationale:

Flood in Bangladesh is a recurrent natural phenomenon. Natural disasters can be sudden or slow in onset. Sudden onset of disasters such as flood, cyclone, river bank erosion can destroy the country's infrastructures, commercial and industrial activities and environment. Flood causes enormous damage to lives, properties, commercial establishments, installations and various kinds of infrastructures. Thus for restoration of damaged infrastructures, the FDR works undertaken by BWDB is inevitable. To bring desired level of stipulated benefits from the significant works established in the past, the present state of FDR is fully justified and it will help contribute in surplus food production of the country.

Under the project, 286 nos. design works were made and reviewed of existing drawings for various components of works involving design of embankments, re-excavation of khals, construction & repair of hydraulic structures like regulators, spurs etc. during the project implementation period.

3. Brief description of planning and finance of the project and its applicability:

The infrastructures of Bangladesh Water Development Board (BWDB) were severely damaged by the devastating flood of 2007. After flood (October 2007), a DPP of Taka 507.15 crore for rehabilitation of flood damaged infrastructures was prepared based on the information collected by the field offices of BWDB where cost of civil works was Taka 459.44 crore. Later on, massive discussions were held among the development partners (ADB, World Bank, JICA and CIDA) and Government of Bangladesh (GoB) for assistance in restoration works. Finally, considering the limitations of fund cost of DPP was reduced to Taka 29051.42 lac where cost of civil works in 35 districts for 197 nos. sub-projects was Taka 26593.70 lac and the proposed DPP was approved by ECNEC on 29-11-2007. It may be mentioned here that DPP was prepared for the fulfillment of ADB guideline for providing loan facilities where actual assessment for flood damage structures were not done because of time constraint.

Later on, few sub-projects from this project were transferred to Water Management Implementation Project (WMIP). The cost of 1st revised DPP for implementation of 114 subprojects was Taka 33073.64 lac and all civil works under the project was scheduled to June 2010. But the Government of the Netherlands (GoN), the major development partner of the project informed that about 5 million US\$ could not be disbursed earliest 28 February 2011 and also suddenly rise of river stage from middle of April 2010 in some rivers of North-Eastern Region of the country, hampered the target of project implementation. ADB mission visited flood affected ongoing works under Sylhet O&M Division and Moulavibazar O&M

Division on 18-30 April 2010 and reported unusual rising of water level caused the barrier to complete the works and recommended for extension of time for civil works to be completed beyond 30 June 2010 in Mission Aide Memoire. Moreover, JICA stopped their fund disbursement from April 2010 because of audit objection on some contracts raised by Foreign Aided Project Audit Directorate (FAPAD). This decision of JICA slowed down the progress of physical works because of fund constraint at high working time. As a result, some contracts of JICA funded were needed to carry over in the proposed extended period. So the extension of project duration was obligatory and 2nd revision of DPP was made with a total cost of Taka 32669.00 lac which was approved by planning commission on 30-11-2010. According to the 2nd revised DPP, financial formalities are scheduled to be completed by March 2011.

As per original project document full project aid (PA) was channeled from ADB soft loan. Later on, Government of Netherlands (GON), CIDA and JICA entered into the project through a bilateral agreement with the prior concurrence of GoB to provide loan facilities 24 million US\$, 1 million US\$ and 951 million ¥ respectively. Later on, 110 million ¥ was surrendered to JICA as it will not be required for implementation because of the increase of Yen value against the US\$ though the scope of work remain unchanged.

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: Project will ensure full benefit as it was.
- 4.3 O&M Programme of the Project: O&M cost of the project will be maintained from BWDB's annual O&M budget.
- 4.4 Impact of the Project: No negative impact will arise
- 4.5 Transfer of technology and institutional Building through the Project: Indigenous technology has used to involve less investment cost and provided for further improvement. Adoption or transfer of foreign technology has not envisaged under the project
- 4.6 Employment generation through the project: Over all employment generation high lighting the creation of income generating activities for the target groups, especially for women. The project has provided additional employment additional income and opportunities for multiple groups in the respective sub-projects area. New job opportunities for local skilled and unskilled labour have generated during construction period and will be generated during annual period. Women are also considered as project beneficiaries.

- 4.7 Possibility of self employment: Self employment from the farmer, fisherman will ensure by the project rehabilitation.
- 4.8 Possibility of employment opportunity: Women folk of the landless households and functionally landless households are to be organized by NGOs working in the sub-project areas to take up a certain amount of earth work as recommended in Appraisal Mission's report, 1990. The sub-projects have not direct impact on population control. However, new women employment opportunities and incomes generated by the sub-projects have encouraged the rural poor and adopt planned families, if properly motivated by NGOs working in the areas.
- 4.9 Women's participation in development: A number of women have engaged during execution of the project.
- 4.10 Probable impact in Socio-Economic activity: The micro level flood controlled areas have better physical environment in National Socio-Economic uplift.
- 4.11 Impact on environment: The project has achieved a better hydrological balance in the rivers of the project area.
- 4.12 Sustainability of the project: According to past similar experiences, this project will be sustained.
- 4.13 Contribution on poverty alleviation/reduction: Over all employment generation and poverty alleviation highlighting the creation of income generating activates for the target groups, especially for women. During execution of the project provided employment of skilled, semiskilled and unskilled labour and will provide for annual O & M period. Especially, a number of women have engaged during execution of the project
- 4.14 Opinion of the public representatives, local administration, teachers, religious leaders, women's representative etc: No adverse opinion from the public representative & others
- 4.15 Contribution of micro-credit programme and comments on overlapping with any NGO activities: No overlapping with any NGO actives.

5. **Problems encountered during Implementation (with duration & steps taken to remove those):** Does not arise

1. Project Management
2. Project Director
3. Land Acquisition
4. Procurement
5. Consultancy
6. Contractor
7. Manpower
8. Law & order
9. Natural calamity
10. Project financing, allocation and release
11. Design formulation/approval
12. Project aid disbursement and reimbursement
13. Mission of the development partners
14. Time & cost over run
15. Project Supervision/Inspection
16. Delay Decision
17. Transport
18. Training
19. Approval
20. Other

6. **Remarks & Recommendation of the Project Director**

The Project is successfully completed as per design and specification and it will serve the objectives of the Project.

Date: 27.06.11


Signature and seal of the
Md. Abdul Mannan
Project Director
EDDRP-2007: Part-E
Bangladesh Water Dev. Board
Green Road, Dhaka-1215

7. **Remarks Comments of Agency Head**

Date:


Signature and seal
(Md. Habibur Rahman)
Director General
Bangladesh Water Dev. Board
Dhaka

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

Date:

Signature and seal

8 . Procurement of Goods, works and consultancy services

Goods, works of the project costing above tk. 100.00 lac and Consultancy above tk. 50.00 lac

(Tk in lac)

Description of procurement goods works/consultancy as per bid document	Tender/bid/ proposed cost (in completion)		Tender/bid/proposed		Date of completion of works/services and supply of goods.	
Contract No.	As per DPP	Contract Amount	Invitation date	Contract singing/L.C. opening date	As per contract	Actual (Revised)
BWDB-COM-04		153.08	06.03.08	16.11.08	15.03.09	31.03.09
BWDB-COM-08		207.00	22.12.08	20.05.09	29.01.10	30.06.10
BWDB-COM-10		149.79	22.12.08	01.11.09	28.02.10	30.06.10
BWDB-COM-11		250.00	22.12.08	20.05.09	29.01.10	30.06.10
BWDB-COM-12		360.44	27.09.09	27.12.09	27.05.10	30.06.10
BWDB-GUM-01		182.52	28.02.08	10.11.08	07.02.09	30.06.09
BWDB-GUM-02		129.98	28.02.08	10.11.08	07.02.09	30.06.09
BWDB-HAB-05		165.93	12.03.08	21.11.08	18.06.09	28.02.10
BWDB-MOU-03		403.54	03.11.08	15.03.09	25.01.10	10.06.10
BWDB-CHA-01		136.68	24.02.08	20.05.08	19.05.09	
BWDB-CHA-02		137.05	24.02.08	20.05.08	19.05.09	
BWDB-CHA-03		131.94	24.02.08	20.05.08	19.05.09	
BWDB-CHA-04		140.02	24.02.08	20.05.08	19.05.09	
BWDB-SYL-02		101.84	22.10.09	01.01.10	25.06.10	
BWDB-SYL-03		135.88	22.10.09	01.01.10	25.06.10	
BWDB-SYL-04		124.06	22.10.09	01.01.10	25.06.10	
BWDB-SYL-05		201.77	22.10.09	12.01.10	25.06.10	
BWDB-SYL-06		188.52	22.10.09	12.01.10	25.06.10	
BWDB-COX-03		281.83	10.03.08	01.10.08	30.09.09	
BWDB-COX-04		180.74	10.03.08	27.08.08	26.08.09	
BWDB-COX-05		159.41	10.03.08	01.09.08	31.08.09	
BWDB-COX-06		138.76	10.03.08	01.09.08	31.08.09	
BWDB-COX-08		209.10	10.03.08	16.10.08	15.10.09	
BWDB-COX-09		151.81	14.09.09	02.02.10	30.04.10	
BWDB-COX-10		184.56	14.09.09	02.02.10	30.04.10	
BWDB-COX-11		114.17	14.12.09	01.02.10	30.04.10	
BWDB-CTG1-03		156.97	10.03.08	12.10.08	11.06.09	31.12.09
BWDB-CTGI-04		385.03	14.01.09	18.03.09	31.12.09	30.06.10
BWDB-CTGI-05		779.17	14.01.09	01.04.09	31.03.10	30.06.10
BWDB-CTGII-01		141.36	10.03.08	17.12.08	30.06.09	31.05.10
BWDB-CTGII-02		162.39	10.03.08	21.09.08	30.04.09	13.06.09
BWDB-CTGII-03		148.58	18.03.09	10.10.09	31.05.10	
BWDB-CTGII-04		468.26	18.03.09	10.10.09	31.05.10	
BWDB-CTGII-05		128.13	14.09.09	21.12.09	30.05.09	
BWDB-RMT-01		112.98	23.04.08	26.09.08	30.04.09	10.06.09
BWDB-FEN-01		128.07	20.03.08	12.06.08	11.04.09	25.05.09
BWDB-FEN-02		105.37	20.03.08	12.06.08	11.04.09	25.05.09
BWDB-NOA-05		207.76	20.05.09	16.11.09	15.05.10	
BWDB-LAX-02		173.98	31.08.09	30.01.10	15.05.10	25.06.10
BWDB-DHA1-06		121.09	21.12.08	05.05.09	16.02.10	
BWDB-DHA1-08		399.17	21.12.08	13.05.09	12.05.10	
BWDB-DHA1-09		118.25	30.03.09	04.11.09	03.03.10	10.06.10
BWDB-DHAI-01		205.87	05.03.08	10.06.08	31.10.08	28.02.10
BWDB-MYN-01		113.03	18.02.08	09.06.08	06.10.08	31.12.09
BWDB-MYN-03		113.52	18.02.08	09.06.08	06.10.08	30.05.10
BWDB-MYN-04		141.98	18.02.08	09.06.08	06.10.08	30.05.10

Goods, works of the project costing above tk. 100.00 lac and Consultancy above tk. 50.00 lac

(Tk in lac)

Description of procurement goods works/consultancy as per bid document		Tender/bid/ proposed cost (in completion)		Tender/bid/proposed		Date of completion of works/services and supply of goods.	
Contract No.		As per DPP	Contract Amount	Invitation date	Contract singing/L.C. opening date	As per contract	Actual (Revised)
BWDB-MYN-05			124.61	18.02.08	09.06.08	06.10.08	31.12.09
BWDB-MYN-06			134.94	18.02.08	09.06.08	20.01.09	30.05.10
BWDB-TAN-01			152.70	28.02.08	03.06.08	01.09.08	28.02.10
BWDB-TAN-02			186.16	28.02.08	03.06.08	01.09.08	30.04.10
BWDB-TAN-03			190.06	28.02.08	03.06.08	01.09.08	30.04.10
BWDB-TAN-04			155.81	28.02.08	03.06.08	01.09.08	20.04.10
BWDB-TAN-05			228.35	12.03.08	20.06.08	17.09.08	28.02.10
BWDB-TAN-06			271.26	12.03.08	20.06.08	17.09.08	20.06.10
BWDB-TAN-07			108.25	07.05.08	28.07.08	23.10.08	30.04.10
BWDB-TAN-08			178.36	07.05.08	25.07.08	02.02.09	30.04.10
BWDB-TAN-09			224.94	01.03.09	01.06.09	30.09.09	30.04.10
BWDB-TAN-10			262.43	01.03.09	01.06.09	30.09.09	30.04.10
BWDB-TAN-11			102.71	30.03.09	27.07.09	28.02.10	25.06.10
BWDB-TAN-12			103.94	22.04.09	23.07.09	28.02.10	10.06.10
BWDB-JAM-01			311.57	24.02.08	26.04.08	20.12.08	30.06.09
BWDB-JAM-02			115.99	24.02.08	03.06.08	16.01.09	30.06.09
BWDB-NET-01			143.99	18.06.08	20.11.08	09.04.09	30.03.10
BWDB-NET-03			109.28	18.06.08	20.11.08	18.04.09	30.03.10
BWDB-NET-04			165.63	15.03.09	07.01.10	28.06.10	
BWDB-NET-05			160.84	15.03.09	07.01.10	28.06.10	
BWDB-KUR-01			242.05	21.01.08	02.05.08	16.04.09	31.05.10
BWDB-KUR-02			127.59	13.03.08	24.06.08	30.05.09	26.06.09
BWDB-KUR-03			260.06	19.03.08	18.09.08	25.06.09	31.05.10
BWDB-KUR-04			100.89	26.08.08	30.01.09	11.09.09	
BWDB-KUR-05			130.49	26.08.08	03.02.09	27.06.09	16.07.09
BWDB-KUR-07			208.09	26.08.08	11.02.09	27.06.09	17.06.09
BWDB-KUR-08			111.36	20.04.09	29.09.09	25.06.10	25.06.10
BWDB-LAL-01			249.63	14.03.08	03.09.08	30.04.09	17.06.09
BWDB-LAL-05			204.91	08.05.08	01.09.08	04.05.09	21.06.09
BWDB-LAL-06			176.03	12.11.08	25.02.09	24.06.09	31.10.09
BWDB-GAI-02			109.69	25.11.07	18.02.08	17.05.08	
BWDB-GAI-04			158.78	27.03.08	10.06.08	07.10.08	15.08.09
BWDB-GAI-05			323.24	27.03.08	08.01.09	08.05.09	
BWDB-GAI-06			106.80	31.08.09	01.12.09	13.06.10	12.06.10
BWDB-RAN-01			219.54	24.02.08	15.05.08	11.10.08	
BWDB-RAN-04			182.04	24.02.08	01.06.08	28.10.08	
BWDB-RAN-05			216.57	24.02.08	01.06.08	25.10.08	
BWDB-RAN-06			162.49	24.04.08	27.08.08	24.12.08	
BWDB-RAN-07			166.81	24.04.08	27.08.08	24.12.08	
BWDB-RAN-09			128.44	24.04.08	29.09.08	26.01.09	25.06.09
BWDB-RAN-10			185.66	30.03.09	01.11.09	28.02.10	
BWDB-DAL-02			102.92	28.02.08	29.05.08	28.01.09	30.05.10
BWDB-DAL-03			117.29	28.02.08	29.05.08	28.01.09	26.06.09
BWDB-DAL-05			151.71	28.02.08	14.12.08	06.06.09	15.06.10
BWDB-DAL-06			165.06	26.05.08	14.12.08	06.06.09	31.03.10
BWDB-DAL-07			426.32	20.08.09	15.12.09	13.05.10	
BWDB-BAR-04			116.51	03.09.08	28.01.09	27.07.09	30.06.10
BWDB-MAD-01			131.27	06.05.08	01.11.08	29.04.09	30.07.09
BWDB-MAD-02			143.99	06.05.08	01.11.08	29.04.09	30.07.09

Goods, works of the project costing above tk. 100.00 lac and Consultancy above tk. 50.00 lac

(Tk in lac)

Description of procurement goods works/consultancy as per bid document	Tender/bid/ proposed cost (in completion)		Tender/bid/proposed		Date of completion of works/services and supply of goods.	
	As per DPP	Contract Amount	Invitation date	Contract singing/L.C. opening date	As per contract	Actual (Revised)
BWDB-MAD-05		687.05	19.10.08	23.11.09	21.05.10	26.06.10
BWDB-MAD-06		887.44	12.10.08	23.11.09	21.05.10	26.06.10
BWDB-MAD-07		894.42	12.10.08	23.11.09	21.05.10	26.06.10
BWDB-MAD-09		106.70	14.05.09	05.11.09	02.04.10	22.03.10
BWDB-MAD-10		272.49	14.05.09	23.11.09	21.04.10	26.06.10
BWDB-SHA-01		342.84	26.11.08	18.03.09	17.08.09	31.01.10
BWDB-SHA-02		527.55	16.02.09	11.11.09	30.03.10	29.04.10
BWDB-RAJ-01		148.71	13.04.08	05.10.08	20.06.09	15.05.10
BWDB-KHU2-01		150.14	21.05.08	24.12.08	21.06.09	25.05.09
BWDB-KHU2-03		179.03	22.02.09	31.07.09	25.06.10	
BWDB-KHU2-06		149.82	22.02.09	31.07.09	25.06.10	
BWDB-KHU2-08		112.17	17.11.09	18.01.10	15.06.10	
BWDB-BOG-01		247.56	07.02.08	05.05.08	04.12.08	01.01.10
BWDB-BOG-02		385.91	07.02.08	05.05.08	04.12.08	16.02.10
BWDB-BOG-03		411.11	07.02.08	05.05.08	04.12.08	31.12.09
BWDB-BOG-04		399.75	07.02.08	06.05.08	04.12.08	30.06.09
BWDB-BOG-05		411.79	07.02.08	29.01.09	28.04.09	31.03.10
BWDB-BOG-06		439.67	07.02.08	29.01.09	28.04.09	15.04.10
BWDB-BOG-07		157.97	07.02.08	08.02.09	08.05.09	30.05.10
BWDB-BOG-08		432.83	07.02.08	29.01.09	28.04.09	15.04.10
BWDB-BRE-01		234.12	24.02.08	28.04.08	26.06.08	27.07.08
BWDB-BRE-02		139.70	24.02.08	28.04.08	26.06.08	30.05.09
BWDB-BRE-03		159.82	30.08.09	22.12.09	20.05.10	
BWDB-CWD-01		416.93	26.11.08	10.08.09	28.06.10	
Design & Supervision Consultant including taxes	1988.83	1,923.72	Dec-07	Jan-08	30.06.2010	31.12.2010



Contract No. BWDB-BOG-05, 06, 07& 08: On the right bank of Jamuna River at Talukdarpara, Upazilla-,Sariakandi, District- Bogra.



Contract No. BWDB-BRE-02: On the left bank of Bangali River, Upazilla-,Sariakandi, District- Bogra.



Contract No. BWDB-KUR-05: Right bank of Dharla River at Holokhana, Upazilla- Kurigram Sadar, District- Kurigram.



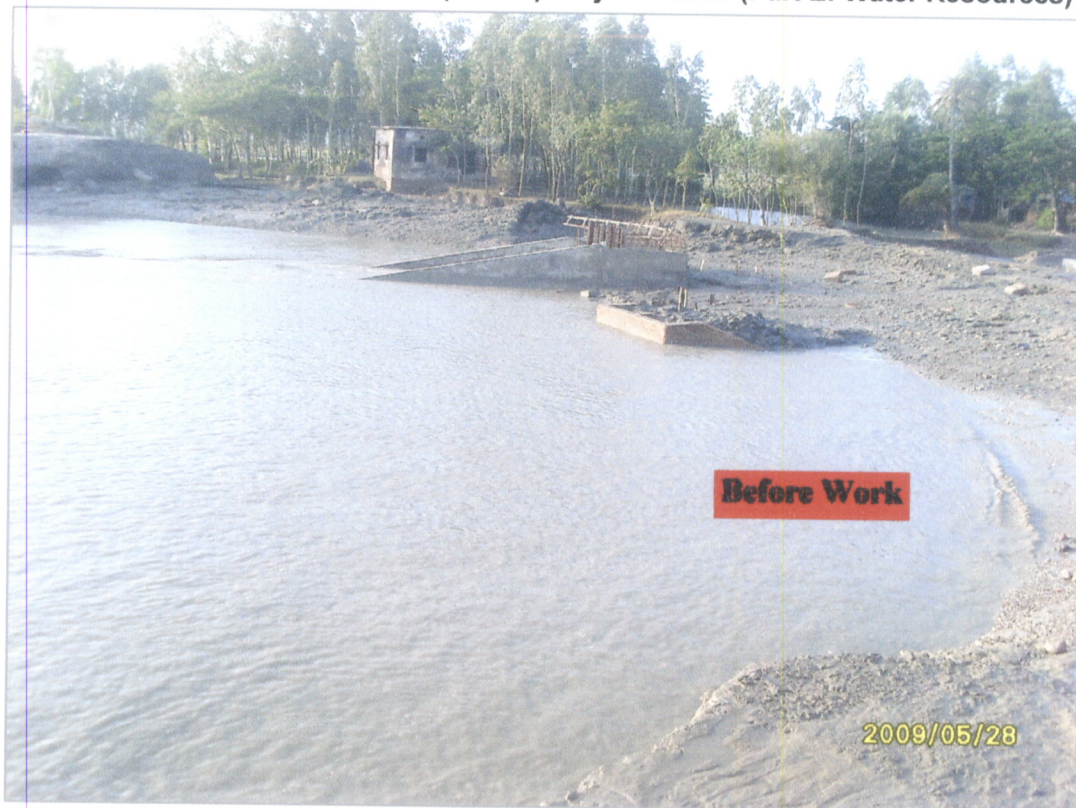
Contract No. BWDB-LAL-06: Right bank of Dudhkumar River at Borobari, Upazilla- Nagerswari, District- Kurigram.



Contract No. BWDB-CHA-04: Right bank of Dakatia river, Upazila : Chandpur Sader,
Dist: Chandpur



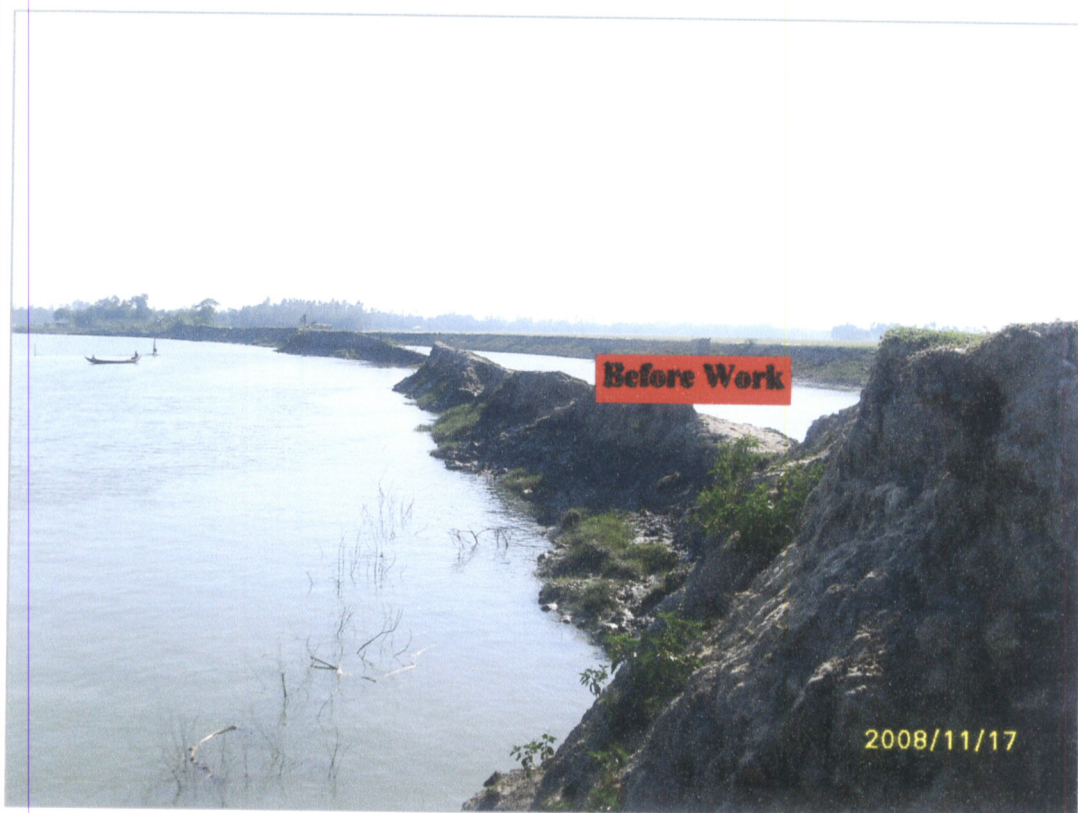
Contract No. BWDB-CTGI-04: Left bank of Sandwip Channel at Anandabazar, Upazilla: Chittagong Sadar, District: Chittagong.



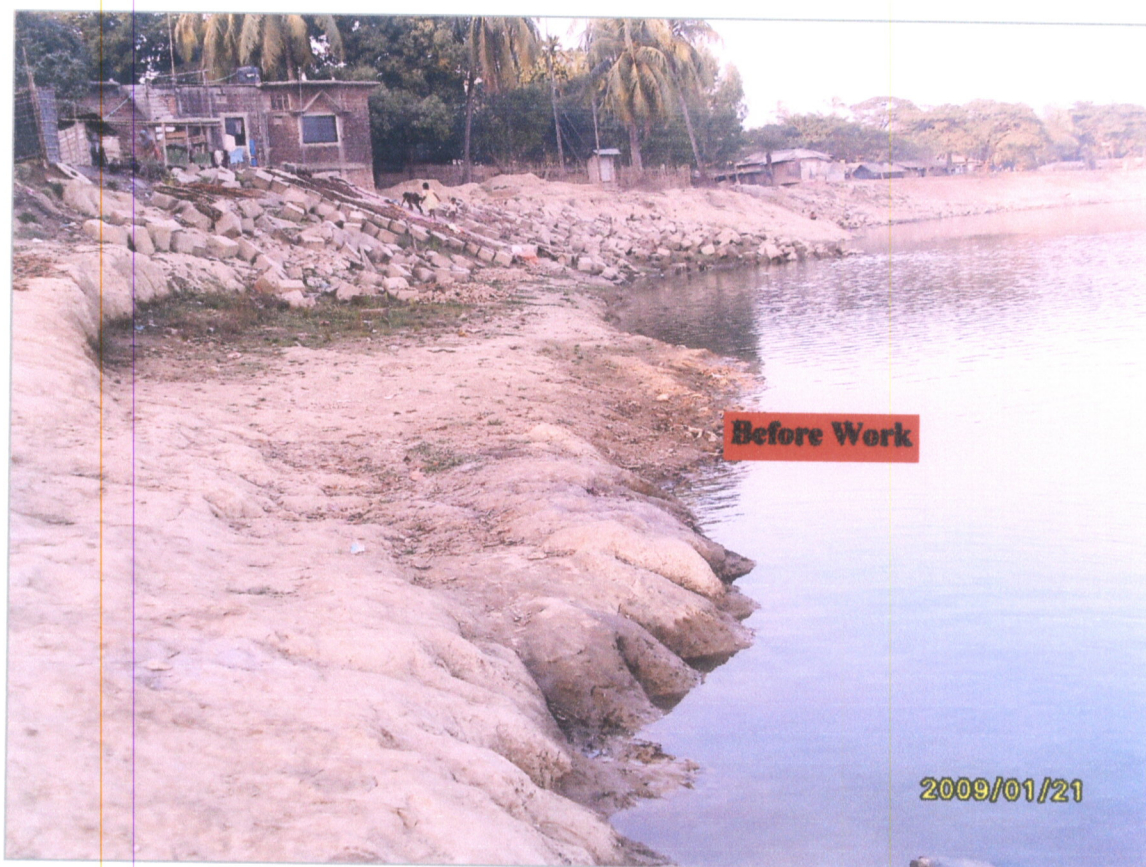
Contract No. BWDB-CTGII-05: Left bank of Sandwip channel ,Upazilla : Sitakunda,
District: Chittagong.



Contract No. BWDB-COM-04: Right bank of Salda river at Nishchintapur,
Upazilla : Kasba, District: Brahmanbaria.



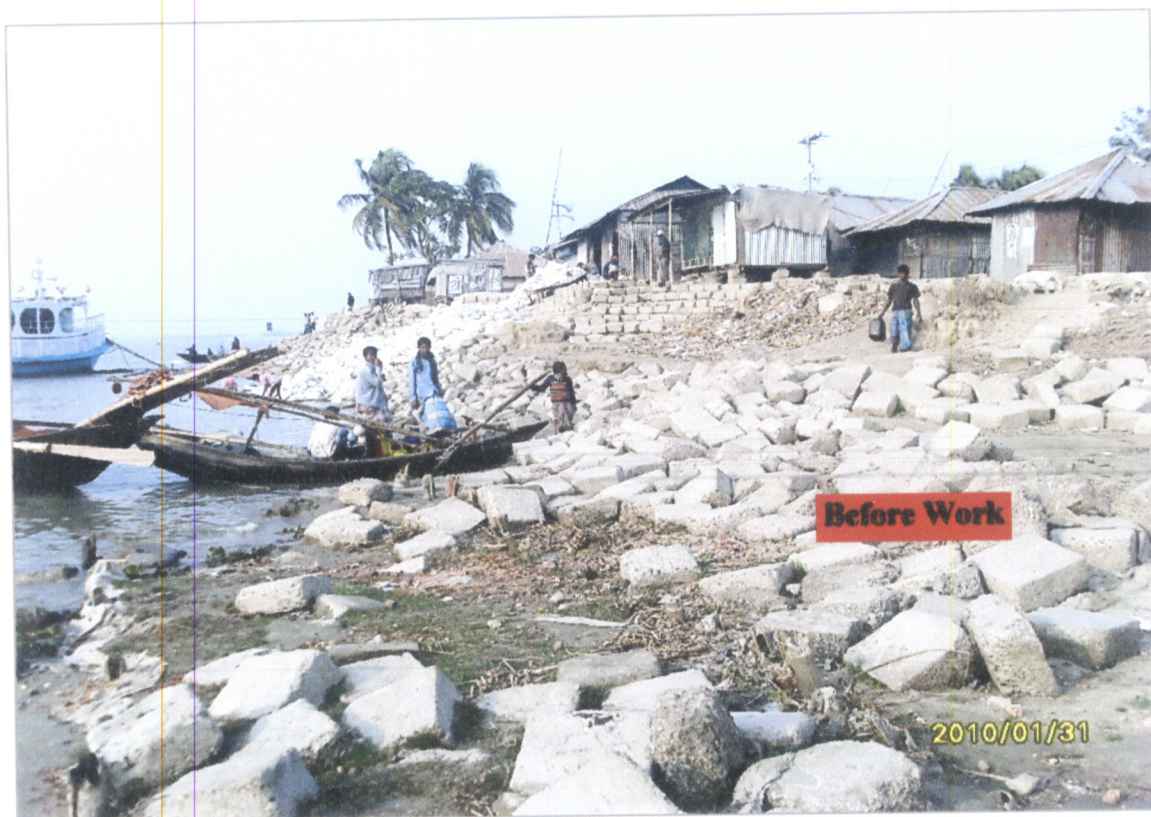
Contract No. BWDB-Cox-03: Left bank of Manikchari river at Mehernama, Upazilla :
Pekua, District: Cox's Bazar.



Contract No. BWDB-Cox-08: Right bank of Mathamuhuri river ,Upazilla : Chakari, District: Cox's Bazar.



Contract No. BWDB-GUM-02: Right bank of Gumti river at Chandpur, Upazilla :
Devidwar, District: Comilla.



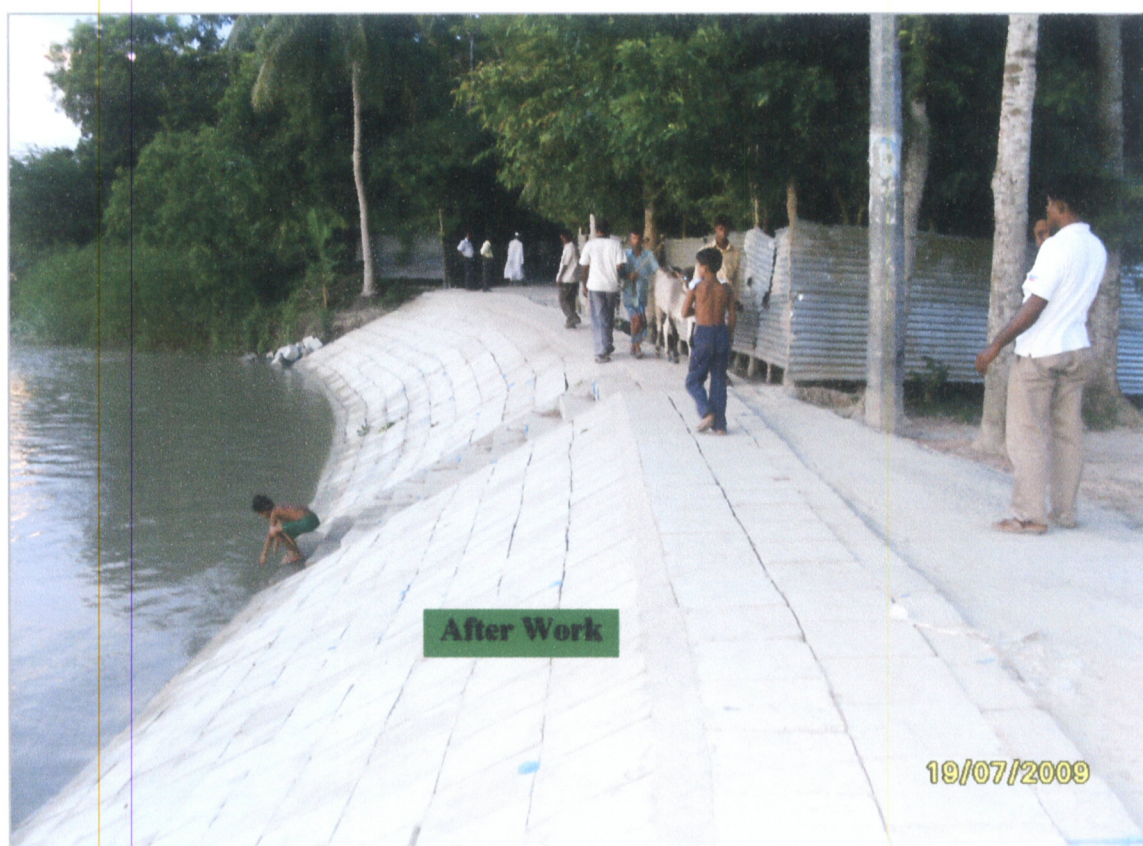
Contract No. BWDB-LAX-02: Left bank of Megna river ,Upazilla : Kamal Nager,
District: Laxmipur.



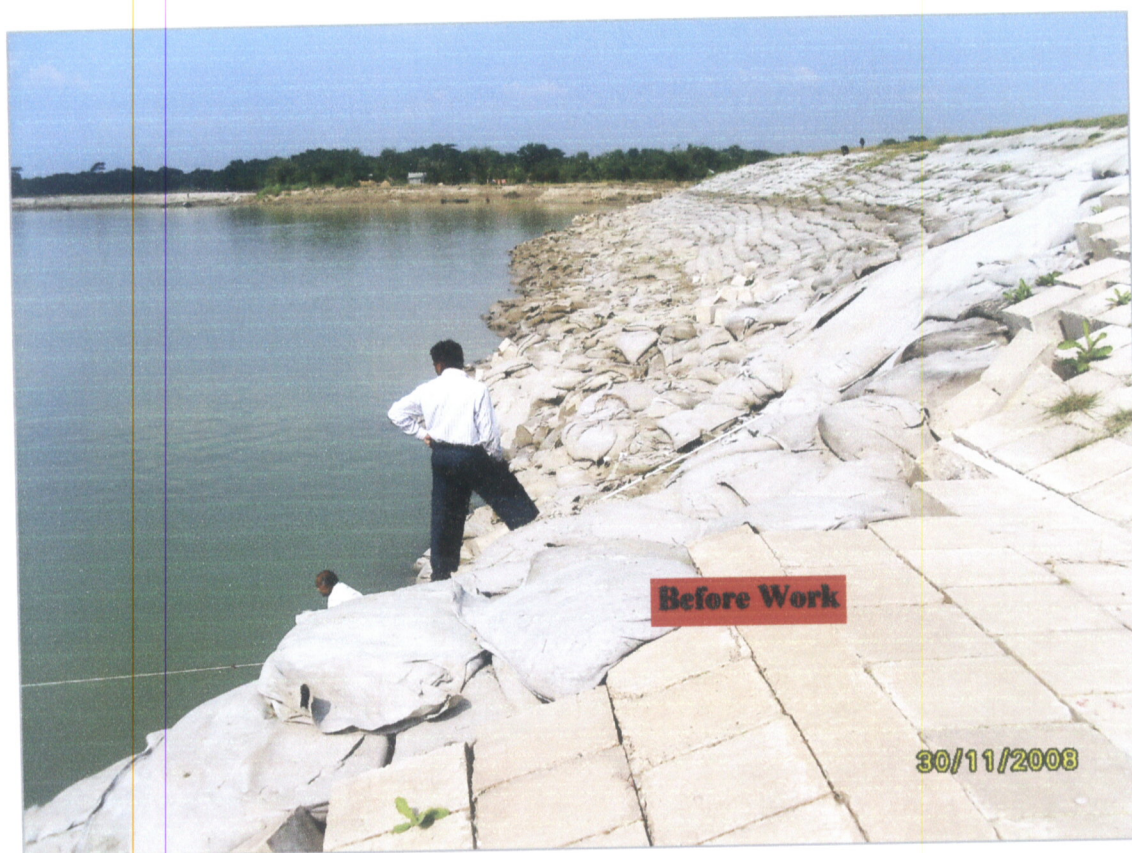
Contract No: BWDB-NOA-03: Polder 59/3C, Algir khal ,Upa Zila :
Companigonj,Dist: Noakhali



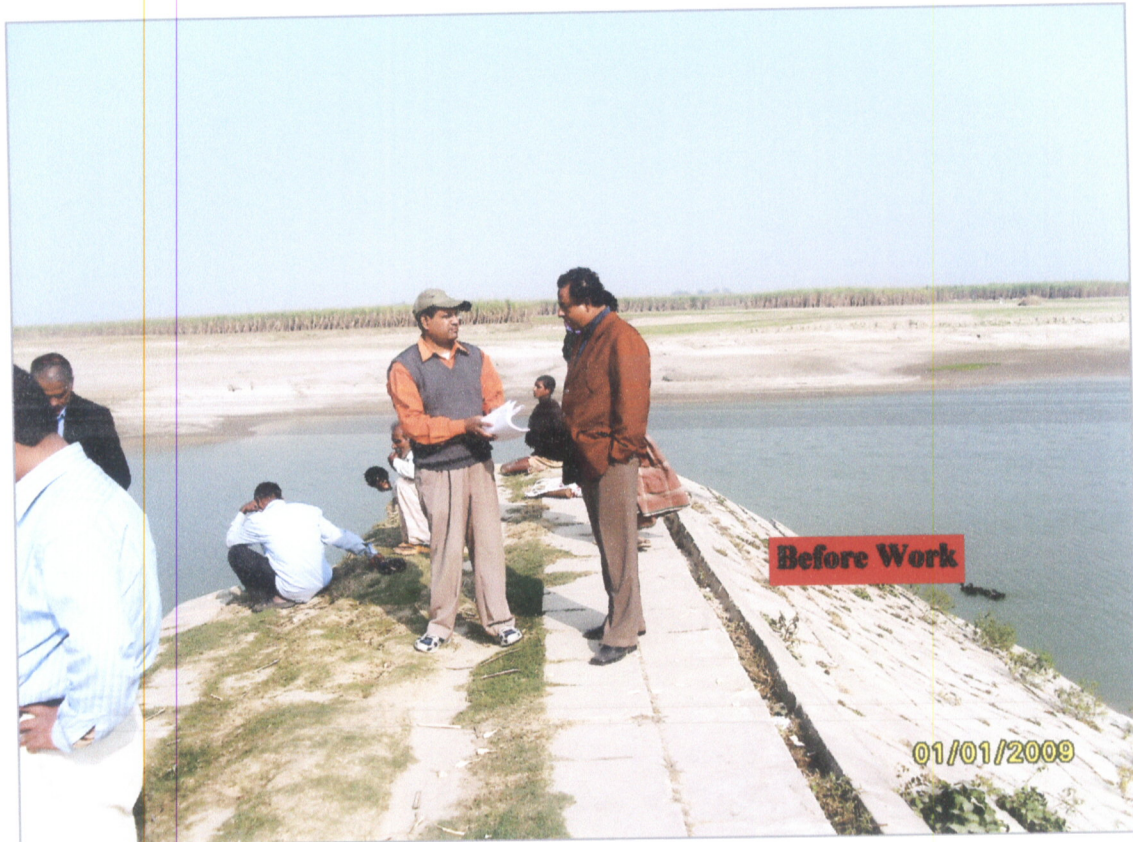
Contract No: BWDB-NOA-05: Polder 73/1(A+B), Over Pakua Khal,
Upazila: Hatiya, Dist: Noakhali



Contract No. BWDB-MAD-02: Left Bank of Lower Kumar river, Upazila: Madaripur sadar, District: Madaripur,



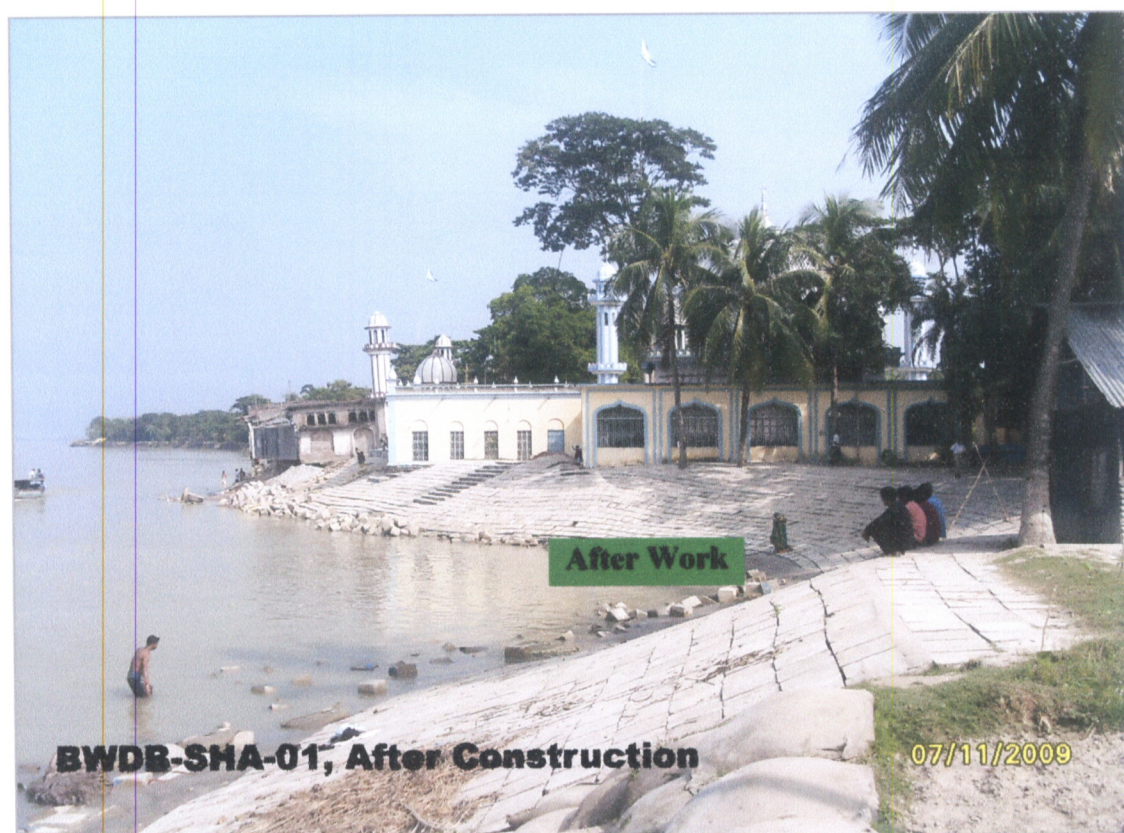
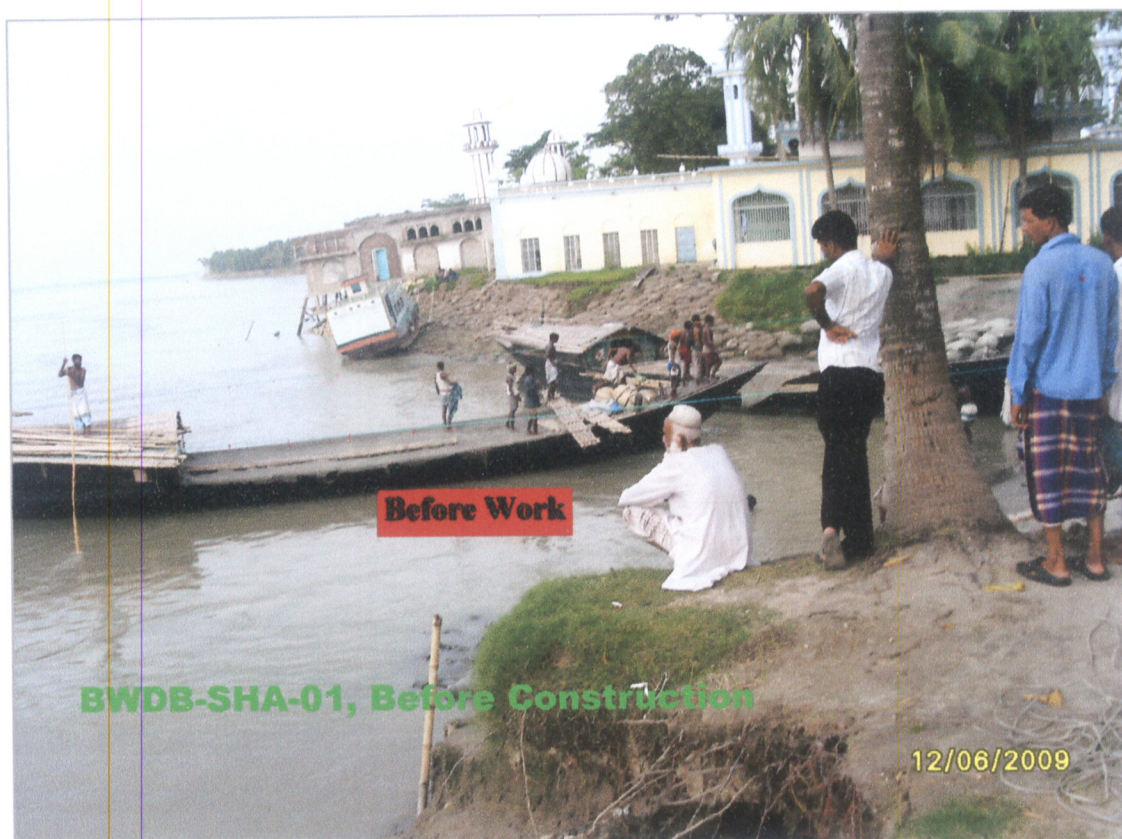
Contract No. BWDB-MAD-07: Left Bank of Arial Khan river at Haji Shariatulla Bridge, Upazila: Shibchar, District: Madaripur.



Contract No. BWDB-RAJ-01: Extension & Rehabilitation of spur at Hasimpur bazar, Upazila: Kumarkhali, District: Kustia.



Contract No. BWDB-RAJ-02: Re-excavation of Moharajpur Irrigation Canal (SWZ-09),
Upazila: Faridpur Sadar, District: Faridpur



Contract No. BWDB-SHA-01: Right Bank of Padma river at Sureswar Darbar Shahi, Upazila: Noria, District: Shariatpur.



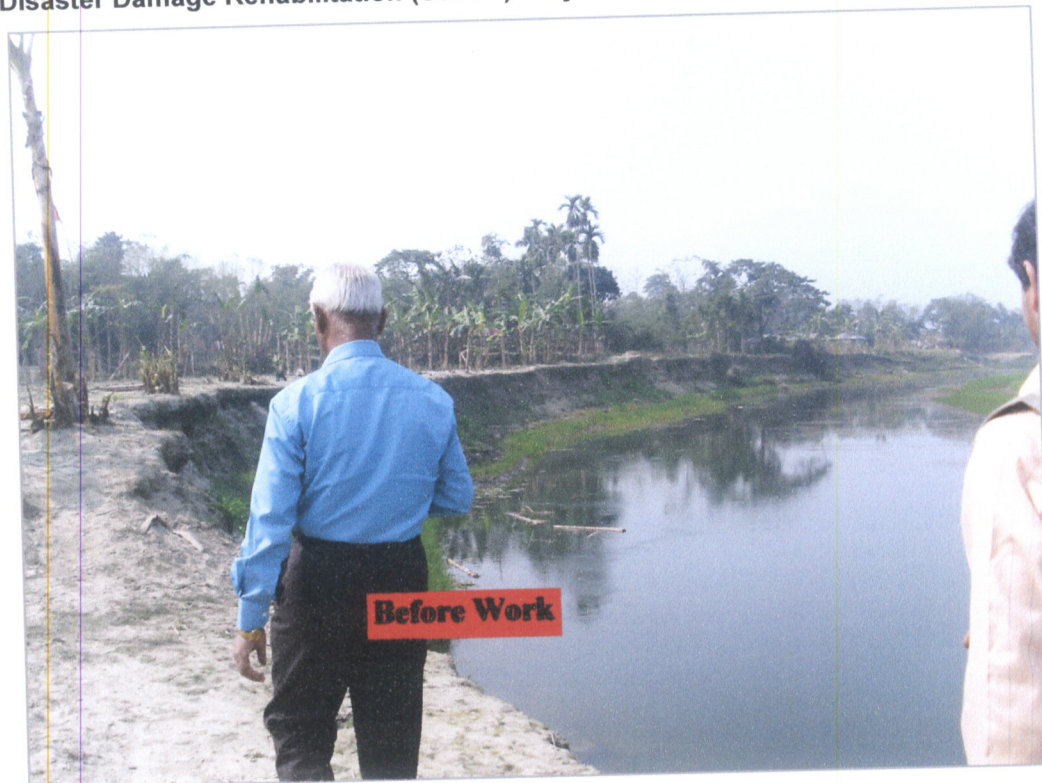
Contract No. BWDB- MYN-05: Old Bharmaputra River, Right Bank at Tetulia, Upa: Gaffergaon, Dist: Mymensingh.



Contract No. BWDB- MOU-01: Dholai River, Left Bank at Kumrakapon , Upazilla: Kamalgonj Dist: Moulvibazar.



Contract No. BWDB-HAB-01: Sonai River, Left Bank, Upa: Madhubpur,
Dist: Habiganj.



Contract No. BWDB-LAL-05: Right bank of Dudkumar River at Dhaurakati, Upazilla-Nageswari, District- Kurigram.



Contract No. BWDB-RAN-07: Right bank of Teesta River at Gannarpar, Upazilla-Gongachara, District- Rangpur.