



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT

IMED FORM NO. : 04/2003 (Revised)

NAME OF PROJECT : STRENGTHENING OF DUMPING ZONE OF PROTECTIVE WORK OF JAMALPUR TOWN PROTECTION PROJECT IN JAMALPUR SADAR UPAZILA OF JAMALPUR DISTRICT (1ST REVISED).

DIVISION : JAMALPUR O&M DIVISION, BWDB, JAMALPUR

CIRCLE : MYMENSINGH O&M CIRCLE, BWDB, MYMENSINGH

ZONE : CENTRAL ZONE, BWDB, DHAKA.

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 : Strengthening of Dumping zone of Protective Work of Jamalpur Town Protection Project in Jamalpur Sadar upazila of Jamalpur district (1st Revised)..
02. Administrative Ministry/Division : Ministry of Water Resources
03. Executing Agency : Bangladesh Water Development Board
04. Location of the Project : Upazila- Jamalpur Sadar, District- Jamalpur & Upazila-Sherpur Sadar, District- Sherpur
05. Objective of the Project :

- To Strengthen the existing dumping zone of Protective work of Jamalpur Town Protection Project to ensure the safeguard of existing Protective work from serious erosion of the Brahmaputra River adjacent to Jamalpur Town;
- To safeguard various Government and Non-Government infrastructures such as, DC office, Zila School, Government Dormitory, Settlement office, Pouro Bhaban, etc.;
- To Safeguard the security of Jamalpur Sadar to Islampur Road from threat of flooding and engulfing by the Brahmaputra River near Jamalpur Town; and
- Diverting the flow near the Town to its original course.

06. Estimated Cost : (In Lakh Taka)

	Original	Latest Revised
(a) Total	2174.18	2216.96
(b) Taka	2174.18	2216.96
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. Date of Approval :

PCP	DPP
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- (a) Original : --- 25-02-2016
- (b) Latest Revised : --- 19-03-2018

08. Implementation :

	Date of Commencement	Date of Completion
(a) Original	01-02-2016	30-06-2018
(b) Latest Revised	01-02-2016	30-06-2018
(c) Actual	01-02-2016	30-06-2018

09. 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 Effective-ness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8
Not applicable							

b) GOB :

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
2216.96	-	2216.96	-

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) :

(In lakh Taka)

R P A 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 DPP		Actual Implementation Period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
February, 2016 to June'2018	February, 2016 to June'2018	February, 2016 to June'2018	0.00%	

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	2174.18	2216.96	2180.00	0.27%	
TAKA	2174.18	2216.96	2180.00	0.27%	
PA	--	--	--	--	

03. Project Personnel :

Sanctioned strength as per DPP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per DPP	Existing manpower for O&M	Others	Male	Female
1	2	3	4	5	6	7
Officer (s)	Existing manpower of the implementing agency were deployed during execution of the project. No separate manpower was engaged for the project.					
Staff (s)						
Total :						

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

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	Not applicable				
b. Local	Not applicable				



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

Items of work (as per PP)	Unit	Target (as per DPP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
Revenue Component :						
Petrol & Lubricant	L.S	1.50	1 item	1.50	1 item	
Printing and Publication	L.S	0.50	1 item	0.50	1 item	
Stationery, seal & Stamps	L.S	0.50	1 item	0.33	1 item	
Mid-Term Evaluation	L.S	3.00	1 item	0.00	1 item	
Honourium for PSC, PIC, TEC, etc. members	L.S	2.00	1 item	2.00	1 item	
Survey (Bathymetry and Bank line Survey)	L.S	1.00	1 item	1.00	1 item	
Sub-Total (Revenue		8.50		5.33		
Capital Component :						
Dredging work for diverting the flow of Old Brahmaputra River km 0.000 to km 2.400 =2.400 km near Jamalpur Town Protection Project in Sherpur Sadar upazila (504530.41 cum)	km	744.00	2.40 km	743.43	2.40 km	Expenditure has been included as per final bill paid.
Strengthening of Dumping zone of Protective Work from km 1.800 to km 2.450= 650m of Jamalpur Town Protection Project in Jamalpur Sadar upazila.	Metre	1098.75	650 metre	1098.22	650 metre	Expenditure has been included as per final bill paid.
Temporary crossdam construction over existing Old Brahmaputra River of length 500m in Sherpur Sadar upazila.	Metre	365.71	500 metre	333.02	500 metre	Expenditure has been included as per final bill paid.
Sub-Total (Capital		2208.46		2174.67	100%	
Grand-Total		2216.96	100%	2180.00	100%	

06. Information regarding Project Director(s):

Name & Designation with pay Scale	Full time	Part time	Responsible for more than one project	Date		Remarks
				Joining	Transfer	
1	2	3	4	5	6	7
Rezaul Mustafa Ashafuddula Superintending Engineer Tk. 50000- -71200	Full time	-	Yes	26/01/2016	31/07/2017	
A.K.M. Shafiqul Haque Superintending Engineer Tk. 50000- -71200	Full time	-	Yes	05/08/2017	Till to date	

07. Procurement of Transport (In Nos.) :

Type of transport	Number as per DPP	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
There was no provision of procuring transport and accordingly no transport was procured under the project						

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 DPP	Contracted value	Invitation date	Contract signing/LC opening date	As per contract	Actual
1	2	3	4	5	6	7
Dredging work for diverting the flow of Old Brahmaputra River km km 0.000 to km 2.400 =2.400 km near Jamalpur Town Protection Project in Sherpur Sadar upazila of Jamalpur District under Jamalpur O&M Division, BWDB, Jamalpur. during FY 2015-16 & 2016-17.	9.0678	7.9260	01/04/2016*	01/04/2016*	20/07/2017	13/07/2017
Strengthening of Dumping zone of Protective Work from km 1.800 to km 2.450= 650m of Jamalpur Town Protection Project in Jamalpur Sadar upazila of Jamalpur District under Jamalpur O&M Division, BWDB, Jamalpur during FY 2016-17 & 2017-18.	10.9875	10.9872	28/08/2016	08/01/2017	30/06/2018	30/06/2018
Temporary crossdam construction over existing Old Brahmaputra River of length 500m in Sherpur Sadar upazila of Sherpur District under Jamalpur O&M Division, BWDB, Jamalpur during FY 2017-18.	3.6571	3.4778	14/09/2017	04/03/2018	30/06/2018	30/06/2018

* Dredging work has been executed by BWDB's Dredging Directorate.

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

Name of the Field	Approved man month		Actual man month utilized	Remarks
	As per DPP	As per Contract		
1	2	3	4	5
a) Foreign :	Not applicable			
b) Local :	Not applicable			

09. Construction/Erection/Installation Tools & Equipment :

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

C. FINANCIAL AND PHYSICAL PROGRAMME:

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

(In lakh Taka)

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%
1	2	3	4	5	6	7	8	9
2015-16	301.50	301.50	--	13.87	-	-		-
2016-17	1172.83	1172.83	--	53.94	941.13	941.13		44.00
2017-18	699.85	699.85	--	32.19	1275.83	1275.83		56.00
Total	2174.18	2174.18		100.00	2216.96	2216.96	--	100.00

01. (b) Revised ADP allocation and progress:

(In lakh Taka)

Financial Year	Revised Allocation & target				Taka release	Expenditure & physical progress			
	Total	Taka	P.A.	Physical		Total	Taka	P.A.	Physical
1	2	3	4	5	6	7	8	9	10
2015-16	-	-	--	-	-	-	-	--	4.00
2016-17	941.13	941.13	--	44.00	943.00	941.13	941.13	--	40.00
2017-18	1275.83	1275.83	--	56.00	1259.18	1238.87	1238.87	--	56.00
Total	2216.96	2216.96	--	100.00	2202.18	2180.00	2180.00	--	100.00

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any
(1) To Strengthen the existing dumping zone of Protective work of Jamalpur Town Protection Project to ensure the safeguard of existing Protective work from serious erosion of the Brahmaputra River adjacent to Jamalpur Town; (2) To safeguard various Government and Non-Government infrastructures such as, DC office, Zila School, Government Dormitory, Settlement office, Pouro Bhaban, etc.; (3) To Safeguard the security of Jamalpur Sadar to Islampur Road from threat of flooding and engulfing by the Brahmaputra River near Jamalpur Town; and (4) Diverting the flow near the Town to its original course.	(1) Through implementation of the project, Old Brahmaputra River has been diverted to its original course. As a result, Jamalpur town has been made safe from river erosion. (2) Most important properties that have been saved from river erosion are DC Office, SP Office, Settlement Office, BRTA Office, Jamalpur Pourashava Building, Government Dormitory, Community Hall, metaled road connecting with Melandha, Islampur, Dewanganj Upazila, etc There are other govt. and non-govt. properties located at Fouzdari Mour, the most densely populated area of Jamalpur town saved from river erosion. (3) Properties value that have been saved from river erosion is approximately 310 crore. (4) More than 1.50 lakh people inhabiting along the river bank as well as in Jamalpur district town in the vicinity of the project are benefitted from implementation of the project. (5) Through implementation of the project, approximately 170 ha of land located in township area have been saved from river erosion.	No short fall



E. BENEFIT ANALYSIS

01. Annual Output :

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) Land Saved	Ha	170	Implementation of the project has just been completed and output of the project can be assessed during evaluation carried out by IMED.
(b) Population benefitted through bank protection	Nos.	1.50 lac	
(c) Office Building including Poura Bhaban, School, College, etc.	Nos.	26	
(d) Homestead	Nos.	300	
(e) Metaled Road	Km	6	

02. Cost/Benefit: Will be evaluated later by BWDB's concern office & IMED.

Item	Estimated	Actual
(1) Benefit cost ratio of the project		Will be evaluated later by concerned directorate of BWDB and IMED.
(i) Financial	1.67:1.00	
(ii) Economic	1.92:1.00	
(2) Internal Rate of Return		
(i) Financial	22.36%	
(ii) Economic	25.84%	

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

There is no short fall between the estimated and actual benefit.

F. MONITORING AND AUDITING

0.1 Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(a) Ministry/Agency:			
1. Mr. Md. Hiruzzaman Deputy Secretary, MoWR	September/2016	No Problem was identified during the execution of the Project.	Instructed to allocate budget for completing the project in time.
2. Begum Sajida Khatun Deputy Chief, MoWR	30/09/2017		
3. A.H.M. Fakhru Islam Chief Engineer, Central Zone BWDB, Dhaka	December'2017		
4. A.H.M. Fakhru Islam Chief Engineer, Central Zone BWDB, Dhaka	May'2018		

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(b) IMED: 1. Mr. Md. Afzol Hossain, Director, IMED 2. Mr. Md. Afzol Hossain, Director, IMED	07-08/12/2016 12/12/2017	No Problem was identified during the execution of the Project.	IMED recommended implementing the Project within the stipulated completion time.
(c) Others : (Please specify)			

0.2. Auditing during and after Implementation:

2.1 Internal Audit:

No internal audit has been conducted

Period of Audit	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not
1	2	3	4
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2.2. External Audit:

Audit Period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not
1	2	3	4
2016-17	July'2018	Different issues	Partly resolved

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on:

1.1 Background

Bangladesh is a riverine country and bank line erosion of different rivers has been a recurrent effect. The present project is located adjacent to the Jamalpur Town of Jamalpur Sadar Upazila of Jamalpur district. The area is dispersed in the left bank of the Brahmaputra River. The Brahmaputra River is one of the large river systems in Bangladesh. The river is very meandering in nature as well as frequently shifting channel towards curved portions. Thus process of bank erosion has been continuous and devastating consequent with deleterious social and natural impacts viz. loss of lives and properties due to river erosion and/or dynamic changes of the river morphology.

Devastating bank erosion near Jamalpur Town starts from early 2005. Considering the intensity/velocity of river erosion rate at these affected places, it seemed that the said affected segment were supposed to be washed out into the river unless proper adequate measures not taken within next financial year. The existing protective work constructed under STIFPP-II was then threatened by ever shifting tendency of Brahmaputra River near Jamalpur Town. As the main flow of the river was far away from the Town and a lean flow was adjacent to the Town, the designed dumping volume of hard materials for protective work was very little. But at the changed scenario, the two channels were then coincided and flowing near the Town. For this reason, the river bed scoured in that location and posed a threat to existing Protective work as well as embankment. In that situation, the DC office, Settlement office, SP office, Zila School, Pouro Bhaban etc. were in continuous threat of riverbank erosion at the affected place. Besides, vast important local area of Jamalpur Town would be affected by the severity of river bank erosion. It may be mentioned here that 5.65 km of embankment cum road, 5.65 km embankment protection work, 8 nos. regulator and 11 nos. surface drainage outlets were constructed under STIFPP-II project. The project was started in Jamalpur during the year 2006-07 and completed during 2012-13. Total Tk. 51.21 Crore was spent for the project. Before STIFPP-II project, a narrow channel of Old Brahmaputra

River was flowing along the constructed embankment from km 0.00 to km 5.45 and flow through that narrow channel taken off from Old Brahmaputra River was completely stopped by construction of one crossdam over the channel under the said project. As a result, dumping volume in the protective work was only 3.00 m³/m. Whereas embankment from km 5.45 to km 5.65 located at the right bank of Old Brahmaputra River and dumping volume was as much as 28 m³/m. Damages to protection work from km 1.80 to km 2.45 = 650 metre was resulted from merging of the main channel and the above mentioned narrow channel of Old Brahmaputra River. The protection work for the said location was designed for acting as guide wall only, not for protection of any kind of river erosion. For this reason, protection work for a length of 650m (km 1.80 to km 2.45) did not sustain. On the other hand, flow of Old Brahmaputra River was required be brought to its original course. If the course of Old Brahmaputra River flowing along the embankment at that time remained live, similar damages to protection work from km 2.45 to km 5.45 = 3.00 km might be happened and huge rehabilitation cost would be incurred. By dredging, Old Brahmaputra River was planned to bring back to its original course.

1.2 Justification/Adequacy

Safety of huge immovable properties, valued approximately Tk. 31000 lakh (at current market price) located in the vicinity of affected area in Jamalpur district town, will be ensured against revised investment cost of Tk. 2216.96 lakh. In this context, project seems viable as well as cost effective. Moreover, cost per meter of proposed protective work stand at Tk. 1.690 lakh that seems as cost effective in comparison with other similar type of projects.

There is a direct relevance of the project to the objectives stated above. Immediate objective of protection of Jamalpur district town from river bank erosion and taking back of Old Brahmaputra River's flow to its original course, the ultimate objective is the safety of lives & properties and its economic impacts will be fulfilled for improved environmental impacts.

As for its relevance with the water-sectoral objectives, the project is in line with the policy and macro-level plan objectives of GOB for poverty reduction as laid down in vision, goals, objectives and targets of the water sector for Seventh Five Year Plan (SFYP). River management, commonly understood as dredging, would be given top most priority with feasibility assessment in case by case.

1.3 Objectives

The objectives of the project are to provide safety of human lives, properties and improve economic activities by strengthening of dumping zone of protective work executed earlier under STIFP-II at vulnerable location along the right bank of the Old Brahmaputra River, diverting the flow of Old Brahmaputra river to its original course & augmentation of flow along the dredged channel through construction of crossdam over the old channel of the river. Valuable establishments valued Tk. 31000 lakh are supposed to be saved by implementation of the project.

However, the specific objective and targets of the projects are as follows:

- To Strengthen the existing dumping zone of Protective work of Jamalpur Town Protection Project to ensure the safeguard of existing Protective work from serious erosion of the Brahmaputra River adjacent to Jamalpur Town;
- To safeguard various Government and Non-Government infrastructures such as, DC office, Zila School, Government Dormitory, Settlement office, Pouro Bhaban, etc.;
- To Safeguard the security of Jamalpur Sadar to Islampur Road from threat of flooding and engulfing by the Brahmaputra River near Jamalpur Town; and
- Diverting the flow near the Town to its original course..



1.4 Project revision with reasons

The project was revised once for specific reasons. Approval of original and revised DPPs with reasons are described below:

- (1) Original DPP as proposed was approved by Hon'ble Minister, Ministry of Planning on 25/02/2016
- (2) 1st Revised DPP was approved by Hon'ble Minister, Ministry of Water Resources and the revised cost was Tk. 2216.96 lakh. Revision was required for the following description :

Dredging work along Old Brahmaputra Rivers original alignment was stopped by illegal occupants for several times. The land along its original alignment is khas land. The benefit accrued from dredging work will go in favour of Jamalpur town, whereas dredging work was being done in Sherpur district. Due to conflict of interest, obstruction from illegal occupants from time and again was evident and several meetings with the occupants, political personalities & elites were convened. The matter was brought to the notice of Honourable State Minister for Ministry of Textile & Jute, Honourable Whip & Member of Parliament of Sherpur Sadar alongwith the Deputy Commissioners of Jamalpur and Sherpur districts. They visited the dredging alignment several times. Dredged spoil was planned to dump in the existing course of Old Brahmaputra River and accordingly, dredging work started. In a visit to the area by Honourable State Minister for Textile & Jute, local people demanded for filling the low lying area situated at the left bank of proposed channel to be dredged instead of dumping the spoil into the existing course of Old Brahmaputra River. Honourable State Minister directed the local BWDB officials to take action for filling the low lying area as demanded by the local people.

For augmentation of flow through the dredged channel, one crossdam at the downstream of confluence point of newly dredged channel and Old Brahmaputra River had to be immediately constructed. As per DPP, earthwork part of crossdam was planned to be completed from dumping of dredged material along the crossdam alignment and package cost was Tk. 161.15 lakh. The cost was for temporary protection of the crossdam and it was done for minimizing the cost. But in reality, it was not possible to make hindrance/blockage to the flowing channel before providing alternate channel for the flow. It may be mentioned here that there is no alternate channel except flowing Old Brahmaputra River through which inherent flow of the River could pass and alternate channel would only be available when dredging would be completed. Moreover, there was no provision of land acquisition in the DPP and the inhabitants who occupied the land along the dredging alignment demanded to fill up the low-lying area along the left bank of new channel to be dredged as described above.

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

Bangladesh is a densely populated with poor natural resources base, lack of industrialization and vulnerability to natural disasters; like flooding, river bank erosion, saline inundation and cyclones etc. made Bangladesh as one of the undeveloped countries in the world. The major problem responsible for poverty includes high level of landlessness due to river bank erosion (i.e. population displacement and potential erosion damages and losses to productive agricultural and urban land and severs damage to property and infrastructure), recurrent floods, unemployment, illiteracy and malnutrition. The population of the Project area is very dense (about 1085 per square kilometer) and landless population is about 20-30% who are now living as squatters in flood embankment and other Govt. areas. Socio-economic development of the people through agriculture and business generation development providing flood control support and protection of potential lands, infrastructures of urban and rural areas from erosion damages is the main objective to alleviate poverty of the area. The Project is placed in environmental screening category B since its bank protective works by construction of improved bank revetment work, do not create irreversible and diverse adverse physical and social impacts. No adverse impacts were identified during implementation period lasting 2 years.

As such, the interventions by providing river bank protective work and development of embankment have very little impacts or no negative impacts in and around the area. The project is preventing the erosion loss of about 170 ha of urban area of Jamalpur town and protects a population of about 150000 people from loss of land, livelihood, property, displacement and impoverishment. It also prevents severe flood damage to property and infrastructure as a result of embankment breached induced increased flooding from the Brahmaputra River. Therefore, it was rationale to implement erosion mitigation measures at Jamalpur district town at the earliest.

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

◆ **Project Identification:**

The project was initially identified by local politicians, local elites, etc. Those stakeholders earnestly requested the Honourable State Minister for Ministry of Jute and Textile for addressing the problem of river erosion from Old Brahmaputra River.

◆ **Project Preparation:**

The site was visited by the Hon'ble Minister for Ministry of Water Resources, Hon'ble State Minister for Water Resources, the Secretary of Ministry of Water Resources, the Addl. Director General of BWDB, Dhaka on 11-06-2014. They instructed to take necessary action to reduce the threat of damage of existing protective work. Later on, a Technical Committee was formed by BWDB. On the basis of Technical Report submitted by Committee, the project was prepared.

◆ **Appraisal:**

PEC meeting was held on 05/07/2015 in Planning Commission and decision was taken to incorporate dredging work along the alignment where khas land is available. Technical Committee of the project also recommended the alignment where khas land is available as the dredging work will be more sustainable there. Length along that alignment is 2.40 km and dredging location was to Sherpur Sadar Upazila of Sherpur district. For ensuring flow through the channel to be dredged, a crossdam over the existing channel located at immediate downstream of the confluence point of existing channel of Old Brahmaputra River and the new channel. As per decision of PEC, Hon'ble Minister, Ministry of Planning approved the project on 25 February 2016.

◆ **Credit Negotiation:** Not applicable

◆ **Credit Agreement:** Not applicable

◆ **Credit Effectiveness:** Not applicable

◆ **Loan Disbursement:** Not applicable

◆ **Loan Conditionality:** Not applicable

◆ **Project Approval:** The project was approved on 25/02/2016 & subsequent revision was approved on 19/03/2018.

◆ **Others (if any):** Nil



4. Analysis of the Post-Implementation situation and result of the project:
- 4.1 **Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project:**
Yes.
- 4.2 **Programme for use of created-facilities of the project:**
The stakeholders are directly taking advantages of the created facilities of the project.
- 4.3 **O & M programme of the project:**
Post Project recurrent O&M works will be arranged from the regular O&M allocation.
- 4.4 **Impact of the Project -**
- 4.4.1 **Direct:**
- Protection of DC Office, SP Office, Settlement Office, BRTA Office, Jamalpur Pourashava Building, Government Dormitory, Community Hall, metaled road connecting with Melandha, Islampur, Dewanganj Upazila, etc There are other govt. and non-govt. properties located at Fouzdari Mour, the most densely populated area of Jamalpur town saved from river erosion
 - Safety of public and government owned assets and natural resources of the project area
 - Properties valued at approximately Tk. 310.00 crore have been saved from river bank erosion.
- 4.4.2 **Indirect:**
- Environmental enhancement from river erosion hazards.
 - Sustainable socio-economic enhancement.
- 4.5 **Transfer of Technology and Institutional Building through the project:**
Not Applicable
- 4.6 **Employment generation through the project:**
Employment generation for skilled/unskilled during construction period is more than 1 lakh man-days.
- 4.7 **Possibility of Self-employment:**
There are possibilities of self-employment as existing commercial and business centers are protected from river bank erosion.
- 4.8 **Possibility of women-employment opportunity:**
Yes, there is possibility of women-employment through the project.
- 4.9 **Women's participation in development:**
Yes.
- 4.10 **Probable Impact on Socio-Economic activity:**
Protecting the river bank erosion, various infrastructures are saved from the erosion. The impact of socio-economic is balanced in the locality.



4.11 **Impact on environment:**

Environmental enhancement is achieved through the implementation of the Project. Bank erosion hazards of environment are eradicated.

4.12 **Sustainability of the project:**

The project is sustainable but requires periodic maintenance.

4.13 **Contribution to poverty alleviation/reduction:**

The project fulfilled the following benefits in compatible strategic goal i.e., a) reduction of vulnerability to water related disaster, b) manage erosion of major rivers and protect large and small towns of poverty alleviation as per SDG:

- 1) The project ensures immovable properties of total worth of approximately Tk. 31000 lakh.
- 2) It generated employment for skilled/unskilled during construction period and also in annual O&M phase in project performance. Also better employment access in business tertiary sectors is enhanced.
- 3) Natural security against river bank erosion is resorted.

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

Positive remarks regarding the project.

4.15 **Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities.**

Not Applicable

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

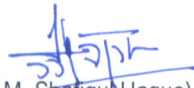
5.1	Project Management	5.12	Project aid disbursement and re-imbursement
5.2	Project Director	5.13	Mission of the development partners
5.3	Land Acquisition	5.14	Time & Cost Over-run
5.4	Procurement	5.15	Project Supervision/Inspection
5.5	Consultancy	5.16	Delay in Decision
5.6	Contractor	5.17	Transport
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	5.21	
5.11	Design formulation/approval		

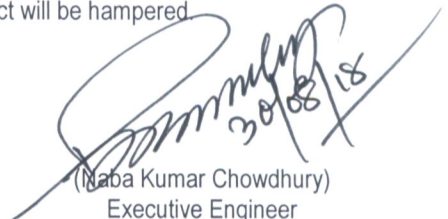
No problems encountered during implementation of the project regarding the above facts.

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

The river bank erosion problem along this regime of Old Brahmaputra River has been mitigated. The safety of human livelihood and properties has been increased. Through implementation of the project, important installations like DC Office, SP Office, Settlement Office, BRTA Office, Jamalpur Pourashava Building, Government Dormitory, Community Hall, metaled road connecting with Melandha, Islampur, Dewanganj Upazila, etc There are other govt. and non-govt. properties located at Fouzdari Mour, the most densely populated area of Jamalpur town saved from river erosion. Estimated properties' value saved from river

erosion is as much as approximately 310 crore. Land of approximately 170 ha is in township area and value is approximately Taka 200 crore. Moreover more than 1.50 lakh people inhabiting along the river bank are benefitted from implementation of the project. Proper monitoring and regular maintenance of the revetment works and others necessary components should be continued to ensure the sustainability of the project. Otherwise the benefit of the project will be hampered

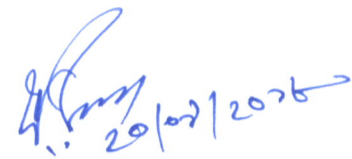

(A.K.M. Shaifur Haque)
Project Director
&
Superintending Engineer
Mymensingh O&M Circle
BWDB, Mymensingh


(Maba Kumar Chowdhury)
Executive Engineer
Jamalpur O&M Division
BWDB, Jamalpur

7. Remarks/Comments of Agency Head

Through implementation of the project, approximately 170 Ha. of land within Jamalpur Township area have been saved from erosion of Brahmaputra River. More than 1.50 lakh inhabitants of Jamalpur Town have been benefitted from this project. After implementation of dredging work, Old Brahmaputra River has been diverted to its original course. As a result, Jamalpur Town has been saved from erosion.

Date:


Signature and Seal
(Md. Mahfuzur Rahman)
Director General
BWDB, Dhaka.

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

Date:

Signature and Seal

