



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT

IMED FORM NO. : 04/2003 (Revised)

NAME OF PROJECT : PROTECTION OF LEFT BANK OF THE JAMUNA RIVER FROM BAHADURABAD GHAT TO FUTANI BAZAR IN DEWANGONJ & ISLAMPUR UPAZILA, PINGNA BAZAR AREA IN SHARISHABARI UPAZILA AND FROM HORINDHARA TO HARGILA IN ISLAMPUR UPAZILA UNDER JAMALPUR DISTRICT (2ND 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 : Protection of Left Bank of the Jamuna River from Bahadurabad Ghat to Futani Bazar in Dewanganj & Islampur Upazila, Pingna Bazar Area in Sharishabari Upazila and from Horindhara to Hargila in Islampur Upazila under Jamalpur District (2nd Revised)..
02. Administrative Ministry/Division : Ministry of Water Resources
03. Executing Agency : Bangladesh Water Development Board
04. Location of the Project : Upazila- Dewanganj, Islampur & Sharishabari, District- Jamalpur
05. Objective of the Project :

- To Protect Dewanganj Upazila Parishad, Railway Station, Railway Line, Zill Bangla Sugar Mill, Bahadurabad Ghat, other industries, Government/Non-Government offices, historical Pingna high school, college, Pingna Bazar, Mosque, Bhuapur-Tarakandi road cum embankment, Ghutail Revetment structures, Ghutail Bazar, Ulia Bazar, Hargila Bazar & Kadamtali Bazar area by construction of Protective Work along the left bank of the Jamuna River from Futani Bazar to Bahadurabad Ghat, Horindhara to Hargila & Pingna Bazar Area under Jamalpur District.
- To achieve the above objective 16.55 km bank protective works along the left bank of the Jamuna River will have to be constructed.
- It is anticipated that huge immovable properties located around the said vulnerable segment of the area with total approximate worth Tk.306975.00 lakh. Also the project will enhance natural environment by reducing the intensity of river erosion as well as socio-economic development in the area.
- The long term objective of the project is to ensure safety of the existing Bhuapur-Tarakandi embankment cum road from devastating erosion of the Jamuna River with view to restore road communication network from Jamalpur district and Jamuna Fertilizer Industry towards entire northern part of the country.

06. Estimated Cost : (In Lakh Taka)

	Original	Latest Revised
(a) Total	36596.03	48949.40
(b) Taka	36596.03	48949.40
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. Date of Approval :

PCP	DPP
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- (a) Original : --- 13-04-2010
- (b) Latest Revised : --- 24-11-2014



08. Implementation :

	Date of Commencement	Date of Completion
(a) Original	01-04-2010	30-06-2013
(b) Latest Revised	01-04-2010	30-06-2016
(c) Actual	01-04-2010	30-06-2017*

* 1(one) year time extension from 01-07-2016 to 30-06-2017 was approved vide Agriculture, Water Resources & Rural Institution Division (Irrigation Wing)'s memo no. 20.358.014.01.403.2008/147(1), dated 14/07/2016.

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
48949.40	-	48949.40	-

9.2 Utilization of Project Aid : (source wise)

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
Not applicable						

9.3 Reimbursable Project Aid (RPA) :

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
April, 2010 to June'2013	April'2010 to June'2016	April'2010 to June'2017	123.08%	Time over-run for not receiving yearly ADP allocation as per DPP provision, length of work increased as adjacent vulnerable area included in RDPP and delay in approving RDPP

02. Cost of the Project :

Description	Estimated Cost		Actual expenditure	Cost over-run (% of original cost)	Remarks
	Original	Latest revised			
1	2	3	4	5	6
TOTAL	36596.03	48949.40	45592.95	24.58%	Original DPP was prepared for bank protection of length 9.70 km, but latest revised was prepared for bank protection of length 16.55 km. Accordingly, physical work has been executed.
TAKA	36596.03	48949.40	45592.95	24.58%	
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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 is 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, 1 item	L.S	10.00	1 item	10.00	1 item	
Printing & Publications, 1 item	L.S	4.29	1 item	3.39	1 item	
Office Stationares, 1 item	L.S	5.50	1 item	5.50	1 item	
Survey & investigation, 1 item	L.S	6.99	1 item	6.99	1 item	
Repair & Maintenance of Vehicle, 1 item	L.S	6.42	1 item	6.42	1 item	
Sub-Total (Revenue)		33.20		32.30		
Capital Component :						
Motor Cycles, 2 Nos.	No.	3.18	2 Nos.	3.18	2 Nos.	
Photocopier, 1 No	No.	1.49	1 No.	1.49	1 No.	
Levelling Instrument with Stand (2 nos.)	No.	2.48	2 Nos.	2.48	2 Nos.	
Geographical Positioning System (2 nos.)	No.	0.50	2 Nos.	0.50	2 Nos.	
Computer with laser printer (P4, Brand) and other accessories (2 nos.)	No.	1.89	2 Nos.	1.89	2 Nos.	
Tree plantation at Pimgna Bazar area	LS	0.50	1 Item	0.00	-	Along the bank, there is no land owned by BWDB. Moreover, no embankment is there where plantataion can be done. That's why plantation has not been done.
Bank Protective Work from Futani Bazar to Bahadurabad Ghat (8.20 km.)	Km	23958.90	8.20 km	23643.27	8.20 km (100%)	Expenditure has been included as per final bill paid. Final amount is reduced for the contract price was less than DPP provision.
Bank Protective work at Pingna Bazar Area (2.25 km.)	Km	5061.54	2.25 km	4954.64	2.25 km (100%)	Expenditure has been included as per final bill paid. Final amount is reduced for the contract price was less than DPP provision.
Bank Protective work at Horindhara to Hargila (6.10 km.)	Km	19885.72	6.10 km	16953.20	6.10 km (100%)	Expenditure has been included as per final bill paid. Required amount was less than the DPP provision. This is for design change and tendered values of some contracts were low in comparison to estimate. However, the work has been done as per design and specification.
Sub-Total (Capital)		48916.20		45560.65	100%	
Grand-Total		48949.40	100%	45592.95	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
A.K.M. Nazmul Haque Superintending Engineer Tk. 25750-1000x8-33750	Full time	-	Yes	01/04/2010	25/09/2011	
Md. Rafiqul Islam Superintending Engineer Tk. 25750-1000x8-33750	Full time	-	Yes	26/09/2011	12/09/2013	
Md. Abdul Latif Miah Superintending Engineer Tk. 25750-1000x8-33750	Full time	-	Yes	13/09/2013	06/11/2013	
Jashim Uddin Bhuiyan Superintending Engineer Tk. 25750-1000x8-33750	Full time	-	Yes	07/11/2013	04/08/2014	
Md. Abdul Mannan Khan Superintending Engineer Tk. 50000- -71200	Full time	-	Yes	05/08/2014	25/01/2016	
Rezaul Mustafa Ashafuddula Superintending Engineer Tk. 50000- -71200	Full time	-	Yes	26/01/2016	31/07/2017	

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
Motor Cycle	2 Nos	20/06/2011	--	15/07/2011	--	

Equipment: Survey Instrument.

Type of Equipment	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
Leveling Machine with Stand	2 sets	25/06/2012	--	15/07/2012	--	

Equipment: Office Equipment

Type of Equipment	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
Photocopy Machine	1 No.	25/06/2012	--	15/07/2012	--	
Computer with Laser Printer	2 Nos.	20/06/2011	--	15/07/2011	--	--
Geographical Positioning System	2 Nos.	25/06/2012	--	15/07/2012	--	--

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
Making and Supplying of 175 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 1800 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2010-2011. Package#BFB-RBP-20/10-11	535.59	535.59	03/10/2010	23/11/2010	26/05/2013	26/05/2013
Making and Supplying of 175 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 1300 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2010-2011. Package# BFB-RBP-21/10-11	387.47	387.47	03/10/2010	23/11/2010	26/05/2013	26/05/2013
Making and Supplying of Non-woven needle punched Geo-textile (empty) bags (175 kg) in connection with Protection of 1900.00m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2010-2011. Package# BFB-RBP-15/10-11	580.10	580.10	01/03/2011	22/06/2011	18/05/2013	18/05/2013
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 609.50 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2009-2010 & 2010-2011. Package# BFB-RBP-06/09-10	594.38	594.38	15/04/2010	29/07/2010	31/05/2013	31/05/2013
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 750 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2009-2010 & 2010-2011. Package# BFB-RBP-07/09-10	596.35	596.35	15/04/2010	29/07/2010	30/11/2013	30/11/2013
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 1078.50 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2009-2010 & 2010-2011. Package# BFB-RBP-08/09-10	937.21	937.21	15/04/2010	28/06/2010	27/05/2013	27/05/2013
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 1000 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2009-2010 & 2010-2011. Package# BFB-RBP-14/10-11	914.76	914.76	15/04/2010	29/07/2010	27/05/2013	27/05/2013

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
Manufacturing and supplying of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of 0 km to 0.835 km = 835 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar Package# BFB-RBP-16/11-12	868.85	868.84	03/03/2013	02/07/2013	23/08/2015	23/08/2015
Manufacturing and supplying of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of km. 0.835 to km. 1.670 = km. 835.00 of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar Package# BFB-RBP-22/11-12	868.97	868.97	03/03/2013	15/07/2013	30/6/2015	30/6/2015
Manufacturing and supplying of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of km. 1.670 to km. 2.500 = km. 830.00 of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar Package#BFB-RBP-23/11-12	863.77	863.76	03/03/2013	15/07/2013	30/6/2015	30/6/2015
Manufacturing and supplying of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of km (-) 2.600 to km (-) 2.700 = 100.00 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar Package#BFB-RBP-28/13-14	179.16 (Through re-appropriation among packages)	179.16	07/05/2015	06/08/2015	19/01/2016	19/01/2016
Dumping of Non-woven needle punched Geo-textile bags in connection with Protection of 0 m to 800 m (including 319 m U/S end termination) of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2009-2010 & 2010-2011. Package#BFB-RBP-09/09-10	342.04	342.28	27/02/2010	14/11/2010	31/05/2013	31/05/2013
Dumping of Non-woven needle punched Geo-textile bags in connection with Protection of 800 m to 1800 m of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2009-2010 & 2010-2011. Package#BFB-RBP-17/10-11	294.76	294.94	27/02/2010	14/11/2010	31/05/2013	31/05/2013
Dumping of Non-Woven needle Punched Geo-textile bags following JMREMP methodology in c/w Protection of left Bank of Jamuna River from ch. 1800 m to 2800 m of Segment Bahadurabad Ghat to Futani Bazar during the year 2010-2011. Package#BFB-RBP-18/10-11	362.22	362.24	10/03/2011	26/06/2011	31/05/2013	31/05/2013
Dumping of Non-Woven needle Punched Geo-textile bags following JMREMP methodology in c/w Protection of left Bank of Jamuna River from ch. 2800 m to 3700 m of Segment Bahadurabad Ghat to Futani Bazar during the year 2010-2011. Package# BFB-RBP- 19/10-11	335.67	335.67	10/03/2011	03/07/2011	31/05/2013	31/05/2013

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
Dumping of Non-woven needle punched Geo-textile bags in connection with Protection of 3700.00 m to 5000.00 m (including 128.50 D/S end termination) of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2009-2010 & 2010-2011. Package# BFB-RBP-10/09-10	471.67	471.67	27/02/2010	14/11/2010	31/05/2013	31/05/2013
Dumping of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of km. 0.00 to km. 1.250 = km. 1.250 of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar Package# BFB-RBP-24/11-12	520.90	520.90	03/03/2013	16/07/2013	01/06/2015	01/06/2015
Dumping of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of km. 1.250 to 2.500 = km. 1.250 of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar Package# BFB-RBP-25/11-12	520.81	520.81	05/07/2013	05/07/2013	20/05/2015	20/05/2015
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch 0.00 m to Ch (-) 0.941 m U/S at Futani Bazar (in place of U/S end termination) along the left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2010-2011 & 2011-2012 Package# BFB-RBP-01/09-10	1292.31	1292.30	11/11/2010	04/05/2011	15/06/2015	15/06/2015
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch 0.00 m to Ch 800.00 m at Segment Bahadurabad Ghat to Futani Bazar during the year 2013-2014. Package# BFB-RBP-03/09-10	760.00	751.34	10/04/2014	31/12/2014	20/05/2017	20/05/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch. 3700.00 m to Ch. 4350.00 m at Bahadurabad of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2010-11 & 2012-13. Package# BFB-RBP-04/09-10	449.68	449.68	24/11/2010	04/05/2011	19/06/2016	19/06/2016
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch.4350.00 m to Ch. 5000.00 m and Ch. 5000.00 m to Ch. 5230.00 m (in place of D/S end termination) and Supply and dumping of Non-woven needle punched geo-textile bags from Ch. 5230.00 m (in place of D/S end termination) at Bahadurabad of left Bank of Jamuna River of Segment Bahadurabad Ghat to Futani Bazar during the year 2010-2011 & 2011-2012. Package# BFB-RBP-05/09-10	1758.10 (Through re-appropriation among packages)	1758.10	11/11/2010	04/05/2011	06/06/2017	06/06/2017

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
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch 800.00 m to Ch 1800.00 m at Segment Bahadurabad Ghat to Futani Bazar during the year 2013-14. Package# BFB-RBP-11/09-10	960.00	957.60	10/04/2014	30/12/2014	15/06/2017	15/06/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch 1800.00 m to Ch 2800.00 m at Segment Bahadurabad Ghat to Futani Bazar during the year 2013-14. Package# BFB-RBP-12/09-10	1134.46 (Through re-appropriation among packages)	1134.46	10/04/2014	15/12/2014	15/06/2017	15/06/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch 2800.00 m to Ch 3700.00 m at Segment Bahadurabad Ghat to Futani Bazar during the year 2013-14. Package# BFB-RBP-13/09-10	942.26	942.26	10/04/2014	30/12/2014	15/06/2017	15/06/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch (-) 941.00 m to Ch (-) 1735.00 m at Segment Bahadurabad Ghat to Futani Bazar. Package# BFB-RBP-29/14-15	923.00	901.82	18/09/2014	15/12/2014	30/06/2017	20/06/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch (-) 1735.00 m to Ch (-) 2500.00 m at Segment Bahadurabad Ghat to Futani Bazar. Package# BFB-RBP-30/14-15	902.00	862.51	18/09/2014	15/12/2014	30/06/2017	20/06/2017
Manufacturing, Placing & Dumping of CC Block of different sizes and Dumping of Sand filled Geo-bags in connection with U/S end termination 209.50 m (From M(-) 2700.00 towards C/S) at U/S of Futani Bazar of left Bank of Jamuna River of Segment Futani Bazar to Bahadurabad. Package# BFB-RBP-31/14-15	2072.07 (Through re-appropriation among packages)	2072.07	22/07/2015	07/10/2015	30/06/2017	20/06/2017
Manufacturing, Placing & Dumping of CC Block of different sizes in connection with protection of U/S end termination of 209.50 m (From M(-) 209.50m to M(-) 419.00m towards C/S) at U/S of Futani Bazar of left Bank of Jamuna River of Segment Futani Bazar to Bahadurabad. Package# BFB-RBP-32/14-15	1371.01	1350.30	22/07/2015	07/10/2015	31/05/2017	31/05/2017
Bank Revetment Work including supply of 250 kg Geo Bag, dumping of Geo Bag and manufacturing, dumping / placing of cc blocks and all other items of work as per estimate from km. (-)2.500 to km. (-)2.700 at Futani Bazar along the left bank of Jamuna River Package# BFB-RBP-33/14-15	495.00	490.22	22/07/2015	15/09/2015	15/05/2017	15/05/2017

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
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch 5.230 m to Ch 5.500 m at Segment Bahadurabad Ghat to Futani Bazar during the year 2013-14 to 2015-16. Package# BFB-RBP-37/13-14	849.79 (Through re-appropriation among packages)	849.79	18/09/2014	15/12/2014	15/04/2017	15/04/2017
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 700 m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila during the year 2009-2010 & 2010-2011. Package# HH-RBP-04/09-10	656.72	656.72	15/04/2010	29/07/2010	31/05/2013	31/05/2013
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 578.50 m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila during the year 2009-2010 & 2010-2011. Package# HH-RBP-05/09-10	502.92	502.92	15/04/2010	29/07/2010	27/05/2013	27/05/2013
Making and Supplying of 175 kg. Non-woven needle punched Geo-textile (empty) bags in connection with Protection of 1000 m of left Bank of Jamuna River at Kadamtali of Segment during the year 2009-2010 & 2010-2011. Package# HH-RBP-15/10-11	363.18	363.18	03/10/2010	23/11/2010	26/05/2013	26/05/2013
Manufacturing and supplying of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of 0 m to 1000 m = 1000 m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila Package# HH-RBP-07/11-12	1040.69	1040.68	03/03/2013	15/07/2013	30/06/2015	30/06/2015
Manufacturing and supplying of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of 1000 m to 2000 m = 1000 m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila Package# HH-RBP-08/11-12	1040.68	1040.53	03/03/2013	02/07/2013	30/06/2015	30/06/2015
Manufacturing and supplying of 250 kg Non-woven needle punched Geo-textile bags in connection with Protection of m 2000 to m 3000 = 1000m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila Package# HH-RBP-09/11-12	1040.53	1040.53	03/03/2013	02/07/2013	25/05/2015	25/05/2015
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with D/S 0.00-0.750km=750 m at Kadamtoli in the segment of Horindhara to Hargila during the year 2011-12 Package# HH-RBP-11/11-12	780.63	780.63	03/03/2013	22/03/2013	15/06/2015	15/06/2015

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
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with D/S 0.750-0.1.500 km=750 m at Kadamtoli in the segment of Horindhara to Hargila during the year 2011-12 Package# HH-RBP-12/11-12	780.63	780.63	03/03/2013	30/04/2013	30/06/2015	30/06/2015
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with D/S 3.000-3.800km=8000 m at Kadamtoli in the segment of Horindhara to Hargila during the year 2013-14 Package# HH-RBP-33/13-14	1159.53	999.28	28/05/2014	20/01/2015	30/06/2015	30/06/2015
Making and Supplying of 250 kg. Non-woven needle punched Geo-textile (empty) bags in connection with D/S 3.800-4.600km=8000 m at Kadamtoli in the segment of Horindhara to Hargila during the year 2013-14 Package# HH-RBP-34/13-14	1159.53	1000.63	28/05/2014	20/01/2015	30/06/2015	30/06/2015
Dumping of Non-woven needle punched Geo-textile bags in connection with Protection of km 0.000 to km. 0.900 (including 350m U/S and 128.50m D/S end termination) of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila Package# HH-RBP-06/10-11	599.85	475.55	27/02/2010	14/11/2010	30/06/2012	30/06/2012
Dumping of Non-woven needle punched Geo-textile bags in connection with Protection of km 0.000 to km. 1.000 = 1000 m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila Package# HH-RBP-13/11-12	415.36	415.36	03/03/2013	07/08/2013	30/06/2015	30/06/2015
Dumping of Non-woven needle punched Geo-textile bags in connection with Protection of km 1.000 to km. 2.000 = 1000 m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila Package# HH-RBP-14/11-12	415.38	415.38	03/03/2013	25/06/2013	30/06/2015	30/06/2015
Dumping of Non-woven needle punched Geo-textile bags in connection with Protection of km 2.000 to km. 3.000 = 1000 m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila Package# HH-RBP-16/11-12	414.30	414.30	03/03/2013	15/07/2013	30/06/2015	30/06/2015
Dumping of Non-woven needle punched Geo-textile bags in connection with Protection of km 0 to km 0.750 = 750 m of left Bank of Jamuna River at Kadamtali of Segment Horindhara to Hargila Package# HH-RBP-17/11-12	306.85	306.85	03/03/2013	24/04/2013	20/06/2015	20/06/2015
Dumping of Non-woven needle punched Geo-textile bags in connection with D/S 0.750-1.500 km=750 m at Kadamtoli in the segment of Horindhara to Hargila during the year 2011-12 Package# HH-RBP-18/11-12	306.44	306.44	03/03/2013	23/04/2013	30/06/2015	30/06/2015

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
Dumping of Non-woven needle punched Geotextile bags in connection of 800.00 m (M 3000.00- M 3800.00) at Kadamtoli of left bank of Jamuna river of segment of Horindhara to Hargila Package# HH-RBP-35/13-14	616.49	262.36	26/05/2014	31/12/2014	30/06/2015	30/06/2015
Dumping of Non-woven needle punched Geotextile bags in connection of 800.00 m (M 3800.00- M 4600.00) at Kadamtoli of left bank of Jamuna river of segment of Horindhara to Hargila Package# HH-RBP-36/13-14	582.59	265.07	26/05/2014	31/12/2014	30/06/2015	30/06/2015
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work of 1000.00 m (M0.0-M 1000.00) at U/S of Kadamtoli and D/S of Ghutail Hard point of left bank of Jamuna of segment of Horindhara to Hargila Package# HH-RBP-19/11-12	1314.22	1055.64	18/09/2014	15/12/2014	30/06/2017	30/06/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work of 1000.00 m (M 1000.00-M 2000.00) at U/S of Kadamtoli and D/S of Ghutail Hard point of left bank of Jamuna of segment of Horindhara to Hargila Package# HH-RBP-20/11-12	1314.22	981.20	18/09/2014	15/12/2014	30/06/2017	30/06/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work of 1000.00 m (M 2000.00-M 3000.00) at U/S of Kadamtoli and D/S of Ghutail Hard point of left bank of Jamuna of segment of Horindhara to Hargila Package# HH-RBP-21/11-12	1314.22	1027.59	18/09/2014	15/12/2014	30/06/2017	30/06/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Protection of 800.00 m (M3000.0-M3800.00) at Kadamtali of left Bank of Jamuna River of Segment Horindhara to Hargila Package# HH-RBP-3A/14-15	1004.88	840.99	22/07/2015	07/10/2015	31/05/2017	31/05/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Protection of 800.00 m (M3800.0-M4600.00) at Kadamtali of left Bank of Jamuna River of Segment Horindhara to Hargila Package# HH-RBP-3B/14-15	1004.88	869.63	22/07/2015	16/09/2015	30/06/2017	30/06/2017
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Protection of 1500.00 m (M4600.0-M6100.00) at D/S of Kadamtali of left Bank of Jamuna River of Segment Horindhara to Hargila Package# HH-RBP-22/14-15	2011.31	1736.37	22/07/2015	12/10/2015	20/06/2017	20/06/2017

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
Making and Supplying of Non-woven needle punched Geo-textile (empty) bags (200 kg) in connection with Protection of 0m to 1000.00m = 1000.00 m of left Bank of Jamuna River at Sarishabari Segment of Pingna Bazar Area during the year 2009-2010 & 2010-2011. Package# Pingna-RBP-03/10-11	1002.87	1002.87	20/03/2011	02/06/2011	30/06/2014	30/06/2014
Making and Supplying of Non-woven needle punched Geo-textile (empty) bags (200 kg) in connection with Protection of 1000.00m to 2000.00 m = 1000.00 of left Bank of Jamuna River at Sarishabari Segment of Pingna Bazar Area during the year 2009-2010 & 2010-2011. Package# Pingna-RBP-04/10-11	1066.70	1066.70	20/03/2011	02/06/2011	30/08/2013	30/08/2013
Dumping of Non-woven needle punched Geo-textile (empty) bags (200 kg) in connection with Protection of 0 m to 1000.00m = 1000.00 m of left Bank of Jamuna River at Sarishabari Segment of Pingna Bazar Area during the year 2009-2010 & 2010-2011. Package# Pingna-RBP-05/10-11	372.40	372.40	13/02/2011	26/06/2011	30/03/2014	08/03/2014
Dumping of Non-woven needle punched Geo-textile (empty) bags (200 kg) in connection with Protection of 1000.00m to 2000.00 m = 1000.00 m of left Bank of Jamuna River at Sarishabari Segment of Pingna Bazar during the year 2009-2010 & 2010-2011. Package# Pingna-RBP-06/10-11	395.34	395.35	13/02/2011	03/07/2011	30/05/2014	08/03/2014
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch 0.00 m to Ch 1200.00 m of left Bank of Jamuna River at Sarishabari Segment of Pingna Bazar during the year 2010-2011 & 2012-2013. Package# PINGNA-RBP - 01/10-11	1023.12	1023.11	15/11/2011	28/12/2011	29/08/2014	29/08/2014
Manufacturing, Placing & Dumping of CC Blocks of different sizes in connection with Bank Protective work from Ch 1200.00 m to Ch 2000.00 m of left Bank of Jamuna River at Sarishabari Segment of Pingna Bazar a during the year 2010-2011 & 2012-2013. Package# PINGNA-RBP - 02/10-11	1201.11	1201.11	15/11/2011	28/12/2011	30/11/2013	30/11/2013

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
2009-2010	13767.10	13767.10	--	37.62	98.78	98.78		0.20
2010-2011	12154.67	12154.67	--	33.21	2299.57	2299.57		4.70
2011-2012	5253.41	5253.41	--	14.36	3299.92	3299.92		6.74
2012-2013	5420.85	5420.85	--	14.81	5499.96	5499.96		11.24
2013-2014					6490.00	6490.00		8.17
2014-2015					18630.11	18630.11		43.15
2015-2016					12631.06	12631.06		25.80
2016-2017								
Total	36596.03	36596.03		100.00	48949.40	48949.40	--	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
2009-2010	100.00	100.00	--	0.30	100.00	98.78	98.78	--	0.30
2010-2011	2300.00	2300.00	--	6.30	2300.00	2299.57	2299.57	--	6.30
2011-2012	3300.00	3300.00	--	10.00	3300.00	3299.92	3299.92	--	10.00
2012-2013	5500.00	5500.00	--	14.00	5500.00	5499.96	5499.96	--	12.00
2013-2014	6490.00	6490.00	--	14.40	6490.00	6490.00	6490.00	--	14.40
2014-2015	7300.00	7300.00	--	18.00	7300.00	7300.00	7300.00	--	20.00
2015-2016	13500.00	13500.00	--	17.00	13500.00	13448.96	13448.96	--	17.00
2016-2017	7500.00	7500.00	--	20.00	7500.00	7155.76	7155.76	--	20.00
Total	45990.00	45990.00	--	100.00	45990.00	45592.95	45592.95	--	100.00

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any
<p>(1) To Protect Dewanganj Upazila Parishad, Railway Station, Railway Line, Zill Bangla Sugar Mill, Bahadurabad Ghat, other industries, Government/Non-Government offices, historical Pingna high school, college, Pingna Bazar, Mosque, Bhuapur-Tarakandi road cum embankment, Ghutail Revetment structures, Ghutail Bazar, Ulia Bazar, Hargila Bazar & Kadamtali Bazar area by construction of Protective Work along the left bank of the Jamuna River from Futani Bazar to Bahadurabad Ghat, Horindhara to Hargila & Pingna Bazar Area under Jamalpur District.</p> <p>(2) To achieve the above objective 16.55 km bank protective works along the left bank of the Jamuna River will have to be constructed</p> <p>(3) The long term objective of the project is to ensure safety of the existing Bhuapur-Tarakandi embankment cum road from devastating erosion of the Jamuna River with view to restore road communication network from Jamalpur district and Jamuna Fertilizer Industry towards entire northern part of the country.</p>	<p>(1) Through implementation of the project, approximately 11200 ha of land has been saved from river erosion.</p> <p>(2) Most important properties that have been saved from river erosion are Zill Bangla Sugar Mill, Dewanganj Upazila Complex, Dewanganj Rail Station, Rail line having length approximately 5 km, more than 40 km Pucca Road, etc. There are other govt. and non-govt. properties saved from erosion.</p> <p>(3) Properties value that have been saved from river erosion is approximately 3070 crore.</p> <p>(4) More than 3 lakh people inhabiting along the river bank are benefitted from implementation of the project.</p> <p>(5) Among the total land, approximately 9000 ha agricultural land is saved and crop value is approximately Taka 200 crore.</p>	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)
<p><u>Futani bazar to Bahadurabad Ghat</u> 8200 m of new protective work located at Dewanganj Upazila and Islampur upazila under Jamalpur district for protection of vast area from the erosion of Jamuna river.</p> <p><u>Pingna Bazar Area</u> 2250 m of new protective work located at Sharishabari upazila under Jamalpur district for protection of vast area from the erosion of Jamuna river.</p> <p><u>Horindhara to Hargila</u> 6100 m of new protective work located at Islampur upazila under Jamalpur district for protection of vast area from the erosion of Jamuna river.</p>	m	<p><u>Dewanganj Upazila</u> 3500m</p> <p><u>Sharishabari Upazila</u> 2250m</p> <p><u>Islampur Upazila</u> 10800m</p>	16550m (Physical progress 100% as per schedule)



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

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	2.38:1.00	Will be evaluated later by concerned directorate of BWDB and IMED.
(ii) Economic	2.76:1.00	
(2) Internal Rate of Return		
(i) Financial	32.48%	
(ii) Economic	36.67%	

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. Dr. Zafar Ahmed Khan Secretary, MoWR	11-12 June 2014	No Problem was identified during the execution of the Project.	Instructed to allocate budget for completing the project in time.
2. Mrs. Afroza Moazzem, Joint Chief, MoWR	11-12 June 2014		
3. Mr. Montu Kumar Biswas, Joint Chief, MoWR	06 February 2016		
4. Mr. Md. Giash Uddin Ahamed Additional Director General (Eastern Region), BWDB	11-12 June 2014		
5. Mr. Md. Hiruzzaman Deputy Secretary, MoWR	September/2016		
(b) IMED:			
1. Mr. Md. Shahid Ullah Khandaker Secretary, IMED	07-08/11/2014	No Problem was identified during the execution of the Project.	IMED recommended implementing the Project within the stipulated completion time.
2. Mr. Rabindra Nath Barman, Director, IMED	11/05/2011		
3. Mr. Abul Kalam Azad, Director, IMED	07-08/11/2014		
4. Mr. Md. Afzol Hossain, Director, IMED	07-08/12/2016		

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(c) Others : (Please specify) 1. Mr. Mohammad Shafiqul Azam, Member, Irrigation, Water Resources & Rural Institution of Planning Commission	07-08/11/2014	No Problem was identified during the execution of the Project.	Instructed to complete the project in time.

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
--	--	--	--

2.2. External Audit:

Audit Period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not
1	2	3	4
2009-2010	--	--	
2010-2011	10/09/2012	Different issues	Partly Resolved
2011-2012	03/07/2013	Different issues	Partly Resolved
2012-2013	24/12/2013	Different issues	Partly Resolved
2013-2014	30/11/2014	Different issues	Resolved
2014-2015	06/08/2015	Different issues	Partly Resolved
2015-16	-	-	Not yet audited
2016-17	-	-	Not yet audited

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 Brahmaputra-Jamuna River system is the largest and most important in Bangladesh. This river is braided with frequently shifting of channels. Along the Brahmaputra-Jamuna River, average erosion rate is 100m/year, but sometimes increases to as high as 800m/year in case of severe floods. The bank erosion along this river system has deleterious social and economic impacts leading to loss of land and property, environmental degradation and human hazards.

Bahadurabad Ghat to Futani Bazar

This segment of project is located in the Dewangonj and Islampur upazilla of Jamalpur district, The area is dispersed in the left bank of the Jamuna River. Being largest river system in Bangladesh the Brahmaputra-Jamuna is accounting for more than 50% of the total inflow into the country from cross border. The river is braided in nature without any fixed banks as well as frequently shifting channels, Thus the process of bank erosion has been very complex 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.

On account of continuous left bank erosion of the Jamuna River, vast tract of important localities under Dewangonj and Islampur Upazila in the district of Jamalpur were being eroded into the river. About 7/8 Km at different segment of the areas was engulfed into river bed. Pollakandi, Chikajani; Chukaibari, Futani Bazar and adjacent areas of Dewangonj upazila were suffered from the river erosion since last several years, On the other hand, Shasharia Bazar, Harindhora, Bahadurabad Ghat, Kulkandi of Islampur upazila were also in danger from the river erosion. Several unions of this Upazila were in serious threatened position. Major parts of the Sapdhori union were engulfed by the Jamuna river. The resultant deleterious social impact compelled thousands of dwellers of said eroded villages to maintain helpless inhuman lives.

The project area under Dewangonj and Islampur Upazila in Jamalpur District was very important area in respect to the business & industrial activities in Bangladesh Economy. Zill Bangla Sugar Mill and other industries were the major part of the economic activities of the project area. In the project area, there were many other valuable government/non-government immovable properties i.e. Upazila Head Quarters, Railway Station, Railway line, school/colleges, and residential areas. During last few years, Jamuna River has eroded remarkably. The river bank line eroded most of the Railway line, Railway track between Dewangonj to Bahadurabad Ghat was removed by the Railway Department. Without erosion mitigation measures, Dewangong sadar area and the area of economic importance of the Islampur Upazila would have engulfed by the river Jamuna within next few years.

PC-II was prepared for Model Study of "Feasibility study for River Bank Protection of Left Bank of the Jamuna at Harindhara and Ulia" and that was approved by Planning Commission on 11.06.2005. Model Study was carried out by IWM & the final report was submitted. In the Study, the Model for 58.00 km river reach was developed on the basis of bathymetric survey campaign carried in November-December 2005. In the model study 6.10 km length of river bank of upstream of Bahadurabad Hard Point was included in the study and was given emphasis as "reaches of the Jamuna under high, moderate and low risk category". As per recommendation and findings of the Final Feasibility Report by IWM, protective work at 5(five) places from Horindhara to Hargila had been identified (Anandabazar-816 m, Ghutail-New at upstream 250 m, downstream 604 m and Ghutail itself 600 m, Kadarntali 816 m, Ulia at upstream 474 m, downstream 242 m and Hargila 816 m).



Pingna Bazar Area of Sharishabari Upazila

This segment is located at Pingna Bazar about 11.00 km south of Sharishabari Upazila Sadar in the district of Jamalpir. The area is dispersed in the left bank of the Jamuna river. On account of continuous left bank erosion of the Jamuna River, vast tracts of important localities of Sharishabari Upazila in district of Jamalpur were being eroded into the river. Some of the places of rural localities were engulfed into the river bed. Many rural villages (Chandanpur, Barikandi, Kumarpara, Kulpal & Ullah Aona) of Sharishabari Upazila washed out into the river.

Devastating bank erosion occurred since June, 2001 at Pingna Bazar area, downstream of Jagannathgonj under Sharishabari Upazila. Considering intensity/velocity of river erosion rate at this affected place, it seemed that said affected segment of Bhuapur-Tarakandi embankment cum-Road were supposed to be washed out into the river unless emergency permanent revetment work be constructed within a short period of time. The existing Bhuapur-Tarakandi embankment – cum - Road was the sole way of road-communication network from entire Jamalpur district and Jamuna Fertilizer Industry towards northern & southern Bangladesh. Besides, vast important local area under Sarishabari Upazila in the district of Jamalpur and Gopalpur, Modhupur, Ghatail & Kalihati Upazila would have affected by the severity of seasonal floods.

IMED conducted Terminal Evaluation on the completed project entitled as "Protection of Bhuapur-Tarakandi Road at Kawamara from erosion of the Jamuna river which was implemented during 2004-2005 to 2005-2006 & the proposed project was adjacent & continuation to the downstream. In the Terminal Evaluation on this completed project, IMED recommended as "Protective work for a length of 700 m at Kawamara to save Bhuapur-Tarakandi road and renowned Pingna Bazar was not sufficient; hence protective work might be started in the downstream of the area by preparing a DPP and other ancillary formalities after assessing the requirement of protective work". Accordingly, present project was formulated.

During the flood 2007, severe river bank erosion occurred at the Pingna bazar area. River bank eroded at an average of 8.00-10.00 meter along the Pingna Bazar area.

Horindhara to Hargila in Islampur Upazila:

This segment (Horindhara to Hargila) is located at about 12 km west of Islampur Upazila Headquarter under Jamalpur district. The area is dispersed in the left bank of the Jamuna River. Many villages such as Belgacha, Uli, Chinaduli and Nowapara of Upazila eroded into the river. Devastating bank erosion occurred since June, 2001 at Horindhara to Hargila under Islampur Upazila. Considering the intensity/rate of the river erosion, it seemed that the said affected segment of Horindhara to Hargila areas supposed to be washed away into the river unless emergency permanent bank revetment work was done.

There was severe bank erosion along the left bank of the Jamuna River from Horindhara to Hargila area under Islampur Upazila of Jamalpur District. The area was just downstream of Ghulail FAP 21 protection work and also about 6.00 km downstream of Kulkandil FAP-21.



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 present 'Three Years Rolling Investment Programme' prepared as per directives of PRSP (Poverty Reduction Strategy Paper).

1.3 Objectives

The objectives of the project are to provide safety of human lives, properties and improve economic activities by construction of protective works at vulnerable locations along the left bank of the Jamuna River. Valuable establishments valued Tk.306975.00 lakh are supposed to be saved by implementation of proposed protective works.

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

- To protect Dewangonj Upazila Parishad, Railway Station, Railway Line, Zill Bangla Sugar Mill, Bahadurabad Ghat, other industries, Government/Non-Government offices, historical Pingna high school, college, Pingna Bazar, Mosque, Bhuapur-Tarakandi road cum embankment, Ghutail Revetment structures, Ghutail Bazar, Ulia Bazar, Hargila Bazar & Kadamtali Bazar area by construction of Protective Work along the left bank of the Jamuna River from Futani Bazar to Bahadurabad Ghat, Horindhara to Hargila & Pingna Bazar Area under Jamalpur District.
- To achieve the above objective 16.55 km bank protective works along the left bank of the Jamuna River will have to be constructed.
- It is anticipated that huge immovable properties located around the said vulnerable segment of the area with total approximate worth Tk. 306975.00 lakh. Also the project will enhance natural environment by reducing the intensity of river erosion as well as socio-economic development in the area.
- The long term objective of the project is to ensure safety of the existing Bhuapur-Tarakandi embankment cum road from devastating erosion of the Jamuna River with view to restore road communication network from Jamalpur district and Jamuna Fertilizer Industry towards entire northern part of the country.

1.4 Project revision with reasons

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

- (1) Original DPP as proposed was approved ECNEC on 13/04/2010
- (2) 1st Revised DPP was approved by Hon'ble Planning Minister on 29/03/2012 and the revised cost was Tk. 41700.71 lakh. Revision was required for inclusion of additional vulnerable length of 2.50 km at U/S of



Bahadurabad Ghat to Futanibazar Segment and additional vulnerable length of 4.00 km at D/S of Horindhara-Hargila Segment. On the other hand, rehabilitation of existing Ghutail Hard Point is excluded from DPP for non-requirement. However, lengths of protective work in original DPP and 1st revised DPP are 9.70 km and 15.60 km respectively.

(3) 2nd Revised DPP was approved by Hon'ble Planning Minister on 24/11/2014 and the revised cost was Tk. 48949.40 lakh. Revision was required for inclusion of additional vulnerable length of 0.70 km at U/S & D/S of Bahadurabad Ghat to Futanibazar Segment and additional vulnerable length of 0.25 km at D/S of Pingna Bazar Segment. However, lengths of protective work in original DPP, 1st revised DPP and 2nd revised DPP are 9.70 km, 15.60 km and 16.55 km respectively.

(4) Time extension without cost increase was approved on 14/07/2016.

Revisions were made as per IMED report, Technical Report and field requirement. Cost increased due to increase in length of protective work as well as increase of market rate.

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

The project area under Dewanganj, Islampur and Sharishabari Upazila in Jamalpur district was very important in respect to the business & industrial activities in Bangladesh economy. Zill Bangla Sugar Mill and other industries are the major part of the economic activities of the project area. In the project area, there are many other valuable government/non-government immovable properties i.e. Upazila Head Quarters, Railway Station, Railway line, Schools/Colleges, Pingna Bazar, Mosque, Bhuapur-Tarakandi road cum Embankment, Ghutail Bazar, Ulia bazar, Kadamtali, etc. During last few years before inception of the project, Jamuna River eroded remarkably. The river was just about 150m to 300m away from the Railway Line. Without erosion mitigation measures, Dewanganj Sadar area and the project area of economic importance of Islampur Upazila would have engulfed by the river, Jamuna within next few years. Therefore, it was rationale to implement erosion mitigation measures at Dewanganj, Sharishabari & Islampur Upazila at the earliest.

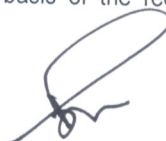
3. Brief description on planning and financing of the project and its applicability.

◆ Project Identification:

The project was initially identified by local politicians, UP chairmen, local elites, etc. Those stakeholders earnestly requested the then Honourable Chief Advisor of the People's Republic of Bangladesh for addressing the problem of river erosion from Jamuna River.

◆ Project Preparation:

IMED conducted Terminal Evaluation on the completed project entitled as "Protection of Bhuapur-Tarakandi Road at Kawamara from erosion of the Jamuna river which was implemented during 2004-2005 to 2005-2006. In the Terminal Evaluation of the completed project, IMED recommended for protection of river bank immediately at the downstream. On the basis of the recommendation, IWM conducted the



Feasibility Study. Later on, a Technical Committee was formed by BWDB. On the basis of Feasibility Study conducted by IWM and Technical Report submitted by Committee, the project was prepared.

◆ **Appraisal:**

PEC meeting was held on 03/12/2009 and a Cost Rationalization Committee was formed. On the basis of report submitted by Cost Rationalization Committee, PEC meeting was again held on 07/02/2010 and the project was recommended for approval in that meeting. Later on, DPP was approved on 13/04/2010 in ECNEC meeting.

◆ **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 13/04/2010 & subsequent revisions were approved on 29/03/2012 and 24/11/2014 respectively.

◆ **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 Dewangonj Upazila Parishad, Railway Station, Railway Line, Zill Bangla Sugar Mill, Bahadurabad Ghat, other industries, Government/Non-Government offices, historical Pingna high school, college, Pingna Bazar, Mosque, Bhuapur-Tarakandi road cum embankment, Ghutail Revetment structures, Ghutail Bazar, Ulia Bazar, Hargila Bazar & Kadamtali Bazar area by construction of Protective Work along the left bank of the Jamuna River from Futani Bazar to Bahadurabad Ghat, Horindhara to Hargila & Pingna Bazar Area under Jamalpur District.
- Safety of public and government owned assets and natural resources of the project area

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 5 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 PRS:

- 1) The project ensures immovable properties of total worth of Tk. 306975.00 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		

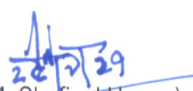
No problems encountered during implementation of the project regarding the above facts.

6. Remarks & Recommendations of the Project Director:

The river bank erosion problem along this regime of Jamuna River has been mitigated. The safety of human livelihood and properties has been increased. Through implementation of the project, approximately 11200 ha of land has been saved from river erosion, important installations like Zill Bangla Sugar Mill, Dewanganj Upazila Complex, Dewanganj Rail Station, Rail line having length approximately 5 km & more than 40 km Pucca Road along with many other govt. and non-govt. properties have been saved from erosion. Estimated properties' value saved



from river erosion is as much as approximately 3070 crore. Out of total land approximately 9000 ha is agricultural land and crop value is approximately Taka 200 crore. Moreover more than 3 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.

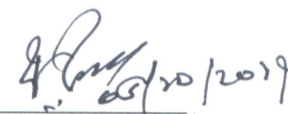

(A.K.M. Shafiqul Haque)
Superintending Engineer
Mymensingh O&M Circle
BWDB, Mymensingh


(Naba Kumar Chowdhury)
Executive Engineer
Jalalpur O&M Division
BWDB, Jalalpur

7. Remarks/Comments of Agency Head

Due to implementation of this project, Dewanganj Upazilla Parishad, railway station, railway track, Zill Bangla Sugar Mill, Bahadurabad shat, Bhupur-Tarakandi road, cum embankment and many other public and private important establishment with total net worth of approx. Tk. 3070 crore have been protected from left bank erosion of Jamuna river. 9000 Ha area of agricultural land have been saved from river bank erosion. Thus 3 lac people inhabiting near the bank line of the river got directly benefited and these make the project successful.

Date:


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

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

Date:

Signature and Seal