

2010-11.

11

ADP No 10

2010-11

BANGLADESH WATER DEVELOPMENT BOARD



PROJECT COMPLETION REPORT: IMED-04/2003 (Revised)

Name of the Project : Embankment Construction Project
from Kazirhat to Satharia in the Dist.
of Pabna.

PROJECT PERIOD: JULY 2003 TO JUNE 2011.

PABNA O&M DIVISION, BWDB, PABNA.

PABNA O&M CIRCLE, BWDB, PABNA.

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 : Embankment construction project from Kazirhat to Satbaria in the Dist. of Pabna.
02. Administrative Ministry/Division : Ministry of Water Resources.
03. Executing Agency. : Bangladesh Water Development Board.
04. Location of the Project : Bera & Sujanagar Upazila under Pabna District.
05. Objective of the Project :
- The main objective of the project is to provide comprehensive flood control and drainage improvement by erecting flood control embankment and integrated flood water management programme in the area outside of existing flood embankment erected under Pabna Irrigation and Rural Development Project (1st Phase).
 - Another important objective of the project is making provision of irrigation facilities by farmers own initiative through, enhancing desired surface water in flowing rivers and internal khals/channels.
 - The project has ensure safety of lives & properties and restore social & natural security along with environmental up-gradation from continuous threat of river bank erosion for sustainable socioeconomic enhancement in the entire area.

06. Estimated Cost :

(In lakh Taka)

	Original	Latest Revised
(a) Total	2454.31	3422.97
(b) Taka	2454.31	3422.97
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. Date of Approval :

PCP

PP/DPP

(a) Original : May, 2005.

(b) Latest Revised : July, 2007.

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	2005-2006	2007-2008
(b) Latest Revised	2005-2006	2010-2011
(c) Actual	2005-2006	2010-2011

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 Effectiveness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8
N/A							

b) GOB :

(In lakh Taka)			
Total Amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
3422.97	-	3422.97	-

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
N/A						

9.3. Re-imbursible Project Aid: (RPA) :

RPA Amount		Amount Spent	Amount Claimed	Amount Re-imbursed	Remarks.
As per PP	As per Agreement				
1	2	3	4	5	6
N/A					

B. IMPLEMENTATION POSITION

01. Implementation Period :

Implementation Period as per PP		Actual Implementation period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
July, 2005	July, 2005	July, 2005	-	Project consited.
June, 2007	July, 2011	June, 2011	20% (1 year)	June, 2011

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	2454.31	3422.97	3347.50	-	Project completed
TAKA	2454.31	3422.97	3347.50	-	Project completed
PA	-	-	-	-	-

03. Project Personnel :

Sanctioned strength as per PP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per PP	Existing manpower for O&M	Others	Male	Female
1	2	3	4	5	6	7
Officer(s)	-	-	8 Nos.	-	-	-
Staff(s)	-	-	15 Nos.	-	-	-
Total :	-	-	23 Nos.	-	-	-

04. Training of Project Personnel (Foreign/Local) :

Field of Training/ Study tour/ work-shop/ Seminar etc.	Provision as per PP		Actual		Remarks.
	Number of Person	Man – months	Numer of person	Man – months	
1	2	3	4	5	6
a) Foreign	-	-	-	-	-
b) Local	-	-	-	-	-

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

Items of work (as per PP)	Unit	Target (as per PP)		Actual Progress		Reasons for deviation (#)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
1. New construction and re-sectioning of embankment (Polder 1 & 2).	Km.	100.00	14 Km. (1.52 lac cubic m soil)	100.00	6.10 Km.	Due to increasing of schdule of rates.
2. New construction of embankment (Polder 4).	Km.	840.00	22.10 Km.	838.61	15.20 Km.	Due to increasing of schdule of rates.
3. Re-excavation of Badai river and Construction of Dyke in both side. embankment (Polder 4).	Km.	320.00	13.45 Km.	293.68	5.76 Km.	Due to increasing of schdule of rates.
4. Construction of Drainage Sluice.	Nos.	99.00	3 Nos.	99.00	3 Nos.	-
5. Construction of drainage out let.	Nos.	96.00	12 Nos.	96.00	12 Nos.	-
6. River Bank Protection (Polder-1).	km.	840.00	1.20 km.	792.26	1.20 Km	-
7. Protection in slope of embankment (Polder-1).	km.	600.00	16.70 km.	600.00	3.75 Km	Due to changed design & increasing of schdule of rates.
8. O&M cost during execution purchase of Furniture, Tools & 2 No.Motor cycle.	Each.	6.50	1 item.	6.50	1 Item.	-
9. Land acquisition	Each.	490.31	1 item.	490.31	1 Item.	-
10. Survey & Soil investigation/design.	Each.	8.00	1 item.	7.98	1 Item.	-
11. Overhead	Each.	18.00	8% of physical work.	18.00	1 Item.	-
12. Contingency.	Each.	5.16	1% of physical work.	5.16	1 Item.	-
Total :		3422.97	-	3347.50	-	

66. Information regarding Project Director(s) :

Name & Designation with pay Scale.	Full time	Part time	Responsible for more than one project	Date of		Remarks.
				Joining	Transfer	
1	2	3	4	5	6	7
1. A.K.M. Azharul Islam, Superintending Engineer, 15000-600x8-19800/=	-do-	-	Yes	21-04-2005	24-05-2006	
2. Md. Abdul Mannan, Superintending Engineer, 15000-600x8-19800/=	-	-do-	Yes	24-05-2006	14-09-2006	
3. A.K.M. Azharul Islam, Superintending Engineer, 15000-600x8-19800/=	-do-	-	Yes	14-09-2006	17-09-2006	
4. Tapan Kumar Saha, Superintending Engineer, 15000-600x8-19800/= 25750-1000x7-33750/=	-do-	-	Yes	17-09-2006	05-01-2010	
5. Md. Mahatab Uddin, Superintending Engineer, 15000-600x8-19800/= 25750-1000x7-33750/=	-	-do-	Yes	05-01-2010	17-01-2010	
6. Md. Ali Akbar, Superintending Engineer, 15000-600x8-19800/= 25750-1000x7-33750/=	-do-	-	Yes	17-01-2010	01-06-2011	
7. Samir Kumar Bhattacharyya, Superintending Engineer, 15000-600x8-19800/= 25750-1000x7-33750/=	-do-	-	Yes	01-06-2011	Runing	

07. Procurement of Transport (In Nos.) :

Type of transport	Number as per PP	Procured with date	Transferred to Transport Pool with date	Transferred to O&M with date	Condemned/ damaged with date	Remarks.
1	2	3	4	5	6	7
Car	-	-	-	-	-	-
Jeep	-	-	-	-	-	-
Microbus	-	-	-	-	-	-
Minibus	-	-	-	-	-	-
Bus	-	-	-	-	-	-
Pick-up	-	-	-	-	-	-
Truck	-	-	-	-	-	-
Motor Cycle	1 Nos.	21-06-11	-	-	-	-
By-cycle	-	-	-	-	-	-
Speed Boat	-	-	-	-	-	-
Launch	-	-	-	-	-	-
Others with name.	-	-	-	-	-	-

08. Procurement of Goods, Works and Consultancy Services

08.1 Goods & Works of the Project costing above Tk. 100.00 lakh, and Consultancy above Tk. 50.00 lakh.:

Description of procurement (goods/works/ consultancy) as per bid document	Tender/Bid/Proposla Cost (in lakh Taka)		Tender/Bid/ Proposla		Date of completion of works/ services and supply of goods.	
	As per PP	Contracted value	Invitation date	Contract signing/ L.C. opening date	As per contract	Actual.
1	2	3	4	5	6	7
1. Bank protective work from Km. 0.00 to km. 0.600 at Raypur Bazar in Upazila: Sujanagar, Dist. Pabna under Polder No.1 during the year 2005-06.	840.00	192.90	15-09-2005	28-12-05	28-06-06	28-06-06
2. Bank protective work from Km. 1.350 to km. 1.575 at Raypur Bazar in Upazila: Sujanagar, Dist. Pabna under Polder No.1 during the year 2008-09.	840.00	145.13	07-08-2008	11-11-08	16-03-09	30-06-09
3. Bank protective work from Km. 1.575 to km. 1.800 at Raypur Bazar in Upazila: Sujanagar, Dist. Pabna under Polder No.1 during the year 2008-09.	840.00	238.58	16-09-2008	28-01-09	14-04-09	30-06-09
4. Construction of New embankment in between from Km. 2.200 to km. 6.200 under Polder-4 in Upazila: Bera, Dist. Pabna during the year 2008-09.	840.00	191.98	28-07-2008	26-01-2009	28-06-09	28-06-09
5. Construction of New embankment Polder-4 from Km. 2.200 to km. 7.520 (2.200-2.350, 2.813-2.870, 4.287-4.650, 4.820-4.930 & 6.200-7.520) in Upazila: Bera, Dist. Pabna during the year 2008-09.	840.00	156.15	07-08-2008	09-11-2008	13-02-09	30-06-09
6. Slope protection of embankment of Polder-4 from Km. 2.350 to km. 2.800 & Km. 2.870 to km. 3.920 in Upazila: Bera, Dist. Pabna during the year 2005-06.	600.00	205.64	04-08-2008	09-11-2008	15-03-09	11-11-09
7. Slope protection of embankment of Polder-4 from Km. 2.200 to km. 2.350, 2.800-2.870, 3.920-4.870 in Upazila: Bera, Dist. Pabna during the year 2009-10.	600.00	198.64	23-08-2009	11-01-2010	10-06-10	10-06-10
8. Slope protection of embankment of Polder-4 from Km. 4.870 to km. 5.950 in Upazila: Bera, Dist. Pabna during the year 2009-10.	600.00	200.68	17-01-2010	10-06-2010	10-06-10	10-06-10
9. Re-excavation of Badai river from Km. 4.940 to km. 8.350 in construction dyke of Polder-4, in Upazila: Bera, Dist. Pabna during the year 2009-10.	320.00	160.00	23-08-2009	30-12-2009	10-06-10	10-06-10
10. Re-excavation of Badai river from Km. 8.350 to km. 11.700 in construction dyke of Polder-4, in Upazila: Bera, Dist. Pabna during the year 2009-10.	320.00	160.00	23-08-2009	17-01-2010	10-06-10	10-06-10
11. Construction of New embankment Polder-4 from Km. 10.020 to km. 15.020 in Upazila: Bera, Dist. Pabna during the year 2009-10.	840.00	311.06	23-08-2009	11-01-2010	10-06-10	10-06-10
12. Construction of New embankment Polder-4 from Km. 9.820 to km. 10.020 & Re-section of embankment from Km. 0.000 to km. 2.200 in Upazila: Bera, Dist. Pabna during the year 2009-10.	840.00	174.68	23-08-2009	11-01-2010	10-06-10	10-06-10

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

Name of the Field	Approved man month		Actualman month utilised	Remarks.
	As per PP	As per contract		
1	2	3	4	5
a) Foreign :	-	Nil	-	-
b) Local :	-	Nil	-	-

09. Construction/Erection/InstallationTools & Equipment :

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

C. FINANCIAL AND PHYSICAL PROGRAMME :

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

(In lakh Taka)

Financial Year	Financial provision & physical target as per original PP				Financial provision & physical target as per latest revised PP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2005-06	600.00	600.00	-	24.45	-	-	-	-
2006-07	1378.44	1378.44	-	56.16	491.95	491.95	-	14.37
2007-08	475.87	475.87	-	19.39	1627.73	1627.73	-	49.55
2008-09	-	-	-	-	1060.54	1060.54	-	30.98
2009-10	-	-	-	-	242.75	242.75	-	7.09
2010-11	-	-	-	-	-	-	-	-
Total:	2454.31	2454.31	-	100	3422.97	3422.97	-	100

01. (b) Revised ADP Allocation and Progress :

(In lakh Taka)

Financial Year	Revised Allocation & target				Taka release	Expenditure & physical progress.			
	Total	Taka	P.A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2005-06	593.00	593.00	-	17.32	575.00	463.98	463.98	-	13.56
2006-07	100.00	100.00	-	2.92	100.00	27.97	27.97	-	0.82
2007-08	350.00	350.00	-	10.23	345.71	322.49	322.49	-	9.42
2008-09	797.00	797.00	-	23.28	797.50	794.97	794.97	-	23.22
2009-10	1173.02	1173.02	-	34.27	1173.50	1172.50	1172.50	-	34.26
2010-11	600.00	600.00	-	17.53	600.00	565.59	565.59	-	16.52
Total:	-	-	-	-	-	3347.50	3347.50	-	97.80

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per PP	Actual Achievement	Reasons for shortfall, if any
The main objective of the project is to provide comprehensive flood control and drainage improvement by erecting flood control embankment and integrated flood water management programme in the area outside of existing flood embankment erected under Pabna Irrigation and Rural Development Project (1 st Phase).	Objectives have been achieved by the implementation of the project. As per original PP cost of Tk. 2154.31 lac & 1 st RDPP cost of Tk. 3422.97 lac, physical progress upto June/10 was 81.27%. But due to increase cost of estimate 2 nd RDPP has been prepared amounting to Tk. 5621.70 lac and submitted to water Resource Ministry earlier of 2010. For the greatest interest of project people the remaining work must be executed. Otherwise people should not be completely benefited by the project. The remaining work should be implemented by the O&M budget. So, people should get their full benefit.	As per original PP cost of Tk. 2154.31 lac & 1 st RDPP cost of Tk. 3422.97 lac, physical progress upto June/10 was 81.27%. But due to increase cost of estimate 2 nd RDPP has been prepared amounting to Tk. 5621.70 lac and submitted to water Resource Ministry earlier of 2010. For the greatest interest of project people the remaining work must be executed. Otherwise people should not be completely benefited by the project. The remaining work should be implemented by the O&M budget. So, people should get their full benefit.

E. BENEFIT ANALYSIS :

01. Annual Out-put:

It is a project consists of various physical component such as river bank protective work, construction of pipe sluices drainage outlet and regulators, new embankment construction and re-sectioning of existing embankment. So, its direct benefit can not be quantifiable. Safety of valuable properties with a total work of Tk.2308.00 lakh dispersed in vicinity of vulnerable river bank at Manikhat Bazar will be ensured. Annual incremental paddy production of 12,638,30 mt. will be achieved at full development period. Gross 6,555 ha. (net 5,415 ha.) area will be provided comprehensive flood control and drainage facilities.

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).
N/A			

02. Cost/ Benefit :

Items	Estimated	Actual
(1) Benefit cost ratio of the project.		
(i) Financial	Not Applicable.	Not Applicable.
(ii) Economic		
(2) Internal Rate of Return.		
(i) Financial	Not Applicable.	Not Applicable.
(ii) Economic		

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

F. MONITORING AND AUDITING :

01. Monitoring :

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
a) Ministry :			
1. Begum Kamrun Nahar Khanam Additional Secretary, Water Resource Ministry Dhaka, Bangladesh. ✓	27 & 28 February, 2010	Not found	Progress of work is satisfactory.
2. Md. Hasanul Rahman Joint-Chief Water Resource Ministry Dhaka, Bangladesh. ✓	27 & 28 February, 2010	Not found	Progress of work is satisfactory.
3. Joyal Mollah Asstt. Chief-2 Water Resource Ministry Dhaka, Bangladesh. ✓	27 & 28 February, 2010	Not found	Progress of work is satisfactory.
b) Agency			
1. Md. Habibur Rahman Director General BWDB, Dhaka. ✓	Several times	Not found	Work to be completed within schedule time.
2. Md. Sajedul Karim Chowdhury Chief Engineer North-Western Zone BWDB, Rajshahi.	Several times	Not found	Progress of work is satisfactory.
3. Md. Afzal Hossain Chief Engineer North-Western Zone BWDB, Rajshahi.	Several times	Not found	Progress of work is satisfactory.
4. A.K.M. Azharul Islam, Superintending Engineer Pabna O&M Circle, BWDB, Pabna	Several times	Not found	Progress of work is satisfactory.
5. Md. Abdul Mannan Superintending Engineer Pabna O&M Circle, BWDB, Pabna	Several times	Not found	Progress of work is satisfactory.
6. A.K.M. Azharul Islam Superintending Engineer Pabna O&M Circle, BWDB, Pabna	Several times	Not found	Progress of work is satisfactory.
7. Tapan Kumar Saha Superintending Engineer, Pabna O&M Circle, BWDB, Pabna	Several times	Not found	Progress of work is satisfactory.
8. Md. Mahatab Uddin Superintending Engineer, Pabna O&M Circle, BWDB, Pabna	Several times	Not found	Progress of work is satisfactory.
9. Md. Ali Akbar, Superintending Engineer, Pabna O&M Circle, BWDB, Pabna	Several times	Not found	Progress of work is satisfactory.
10. Samir Kumar Bhattacharyya, Superintending Engineer, Pabna O&M Circle, BWDB, Pabna	Several times	Not found	Progress of work is satisfactory.
c) IMED :			
1. Rabindranath Barman Director, IMED	06-07-2010	Not found	Progress of work is satisfactory. ✓
2. Doyananda Devenath Deputy Director, IMED	06-07-2010	Not found	Progress of work is satisfactory.

(c) Others : (Please specify) : N/A

02. Auditing during and after Implementation :

2.1 Internal Audit :

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

2.2 External Audit :

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2005-06	01-10-2006	Damping Register not found. Tk. 40,94,180/=	Yes, objections are resolved
"	01-10-2006	Related voucher why not collected from district commissioner office. Tk. 8,39,177/=	Yes, objections are resolved
"	01-10-2006	Work done, exceding budget allocation of that financial year (liabilities) Tk. 17,68,133/=	Yes, objections are resolved
"	01-10-2006	10% Penalty why not imposed to contractor's bill for delay completion of work. Tk. 1,03,489/=	Not resolved (Answer of the objection has been sent to the respective authority, it should be resolved soon).
"	01-10-2006	Why excess CC Block made by the contractor and payment made for the same. Tk. 12,10,170/=	Under process of resolved (Due to design change. Answer of the objection has been sent to the respective authority with changed design, it should be resolved soon).
2006-07	13-12-2007	Without terfing work why payment made in favour of contractor. Tk. 51,682/=	Under process of resolved (Terfing work actual done by the contractor. Answer of the objection has been sent to the respective authority with related papers, it should be resolved soon).
"	13-12-2007	Why royalty deed does not made by the contractor. Tk. 1,09,906/=	Yes, objections are resolved
2007-08	22-04-2009	10% Penalty why not imposed to contractor for delay completion of work. Tk. 16,50,038/=	Under process of resolved (Time extention has been made. Answer of the objection has been sent to the respective authority with approved time extention papers, it should be resolved soon).
2008-09	07-06-2010	Why royalty deed does not made by the contractor. Tk. 18,32,898/=	Under process of resolved (Royalty deed has been made Answer of the objection has been sent to the respective authority with royalty deed, it should be resolved soon).

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2009-10	07-08-2011	Why without get land possession advance payment made by the authority. Tk. 54,08,061/=	Under process of resolved (Actually work has been done before made payment. Answer of the objection has been sent to the respective authority with documents, it should be resolved soon).
2009-10	07-08-2011	Why royalty did not made by the contractor. Tk. 11,96,067/=	Under process of resolved (Royalty deed has been made Answer of the objection has been sent to the respective authority with royalty deed, it should be resolved soon).
		Total Tk. 1,82,63,801/=	

G. DESCRIPTIVE REPORT :

1. General Observations/ Remarks of the Project on :

1.1 Background

Flood management in riverine Bangladesh has been considered as a top priority for last few decades. The high water levels in the major rivers during monsoon cause floods & drainage congestion and over-bank spillage of their tributaries which is often exacerbated by runoff from coincident high local rainfall. Sometimes, periodic severe flooding is also common covering 37 percent or more of the country in one out of every 10 years. However, an environment-friendly mechanism is yet to be designed for enhancing integrated flood management. The upcoming water management plan will address the issue properly. In this backdrop, present project has been formulated apart from action plan for comprehensive drainage management.

The project is scheduled to be commenced in FY: 2005-06 and completed in FY: 2007-08 as per approved PCP of the project.

The project area is dispersed at the south-eastern part of Pabna Irrigation and Rural Development Project (1st Phase) under Bera and Suzanagar Upazilla in the district of Pabna.

Flood control embankment was erected at the left bank of Padma river late eighties from Pakshi to Nagarbari in order to provide flood control, facilities in greater Pabna district. During alignment fixation of said flood protection embankment, policy frame-work for laying down setback distance of 500 metre from river bank based on technical viability was established. Yet alignment of said flood protection embankment at some of the significant densely inhabited area adjacent to river bank was reasonably set with setback distance of 1000 metre from river bank. Accordingly, this flood control embankment was constructed at higher distance on account of morphological condition at Masumdia & Chalarchar union under Bera upazilla. The area of Sagarkandi, Nazirgonj, Manikhat, Satbaria and portion of Suzanagar union in between erected flood protection embankment and left bank of the Padma river remained as

unprotected. Hence said unions become affected by occurrence of monsoon floods in almost every year. Besides, due to accretion of vast tract of charland adjacent to Padma-Jamuna river confluence those charlands gradually become dwelling localities for a long time and now regular cultivation being practiced on arable lands of said charland. In the circumstances, agricultural crops, other properties and human lives of these areas are being badly damaged by monsoon floods in almost every year. The safety of lives and properties as well as overall natural security of affected people at these vulnerable zone has been jeopardized due to occurrence of frequent monsoon flood from the Padma river.

It is worthwhile to mention here that said area dispersed in outside of flood control embankment of Pabna Irrigation & Rural Development Project (1st Phase-I) has been a thickly populated area. Population of the area is about 50,000 most of them living in hard-line poverty. Cultivation despite optimistic crop production can not be achieved due to deleterious impacts of recurrent floods with regular occurrence of crop damage. At present, no crop cultivation is possible in Aman season due to flood havoc & in post-monsoon period continuation Rabi season cultivation is hindered due to appearance of prolonged drainage congestion.

In view of the above circumstances, there has been a long standing social demand for initiating necessary measures against flood havoc in the said flood victim region. It is noteworthy to mention here that existing DC road encompassed around Nazirgonj, Manikhat, Satbaria etc. unions under Suzanagar upazilla served partial flood control facilities in said area. But said existing road became deleteriously damaged in 1998 devastating flood and it was messed down at Raipur Bazar with breaches at several segments. The subsequent effect has been intrusion of flood water along road breaches and also by overtopping of road with the resultant effect of severe flood occurrence with prolonged water logging. In the situation, suffering of local dwellers began to increase continuously due occurrence of floods and drainage congestion in almost each year. In view to mitigating such natural disasters local people, people's representatives, elite class demanded to higher authority for initiating immediate measures. In conjunction with continuous demand from affected people, honourable Prime Minister of GOB already committed for construction of embankment from Kazirhat to Satbaria in the district of Pabna (copy enclosed).

In the circumstances, it has been felt at apex level for formulation of a comprehensive flood management project based on appropriate study. Accordingly detailed feasibility study was conducted by engaging local consultants under BWDB FCD-IV study project. The study findings recommended for re-erection of flood embankment in the area in order to mitigate recurrent floods. During feasibility study stage, the consultants conducted in-depth field survey, prepared detailed design for physical works and identified flowing major physical components as laid down in Final Feasibility Study Report (June, 2002):

1.2 Justification/ Adequacy

The project is justified as the back ground stated above promised BWDB to take up to project for implementation.

1.3 Objectives

- The main objective of the project is to provide comprehensive flood control and drainage improvement by erecting flood control embankment and integrated flood water management programme in the area outside of existing flood embankment erected under Pabna Irrigation and Rural Development Project (1st Phase).
- Another important objective of the project is making provision of irrigation facilities by farmers own initiative through, Enhancing desired surface water in flowing rivers and internal khals/channels.
- The project has ensure safety of lives & properties and restore social & natural security along with environmental up-gradation from continuous threat of river bank erosion for sustainable socioeconomic enhancement in the entire area.

1.4 Project revision with reasons.

Proposed revised project comprises 39.47% cost overrun over the original approved PP cost mainly due to changes in design and enhanced schedule of rates for physical components. Also revised project programme proposed for extension of project completion year i.e. from FY: 2007-08 to FY: 2009-10.

Flood control embankment was erected at left bank of the Padma River during late eighties from Pakshi to Nagarbari under Pabna IRD Project (1st Phase) to provide flood control facilities in greater Pabna district. However, some area in between erected flood embankment and left bank of the Padma river remained unprotected, which became affected by monsoon floods in almost every year. Besides, due to accretion of vast tract of char-lands adjacent to Padma-Jamuna river confluence those char-lands gradually become dwelling localities for a long time and now regular cultivation being practiced on arable lands of said char-lands. In the circumstances, agricultural crops, other properties and human lives of these areas being badly damaged by monsoon floods in almost every year. The safety of lives and properties as well as overall natural security of affected people at these vulnerable zones being jeopardized due to occurrence of frequent monsoon flood from the Padma river. For enhancing integrated flood management of said unprotected area, this project has been taken, which was originally formulated based on feasibility study.

The project area is located in the north-east bank of the Padma river, whose main objective is to provide flood control, drainage improvement and irrigation facilities. On the other hand, ADB aided "Jamuna-Meghna River Erosion Mitigation Project" has been now under implementation. The PIRD part of this project area is located at the right bank of the Jamuna river whose main objective is safeguard Pabna IRD project area from erosion of the river Jamuna. There is no contradiction in between these two projects. Rather said ongoing projects are complementary to provide comprehensive FCDI and river erosion mitigation in different hydrological regime.

The PCP of the original project costing Tk.2454.31 lakh was finally approved by competent authority on 23-04-2005 and follow-up original PP of the project prepared in the light of approved PCP was finalized in DPEEC meeting held on 30-05-2005 in the Ministry of Water Resources.

The project commenced in FY: 2005-06 and scheduled for completion in FY: 2007-08 as per original approved PCP/PP. The cost of physical components were estimated on the basis of 2001 schedule of rate for Pabna O&M Circle, BWDB, Pabna, which necessitated to revised based on enhanced 2005 schedule of rate (effective now). The project needs revision during actual project implementation span due to changes in estimated cost of major physical components based on approved design and actual field requirement. Besides, cost of physical items also increased due to present market price hike on cost of construction materials (Cement, MS Rod, Stone etc.). This necessitate cost overrun of the project over original approved PCP/PP.

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

Provision has been kept for BWDB personnel for detailed design, execution, monitoring and supervision of project works. Concerned field level technical staff of BWDB to be gained appropriate technical know-how on comprehensive water management. Indigenous technology is also being used to involve less investment cost and provide scope for further improvement. In respect of concept of the project, design, location and timing is appropriate.

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

- Project Identification
- Project Preparation
- Appraisal
- Credit Negotiation
- Credit Agreement
- Credit Effectiveness
- Loan Disbursement
- Loan Conditionalities
- Project Approval.
- Others (if any).

N.A.

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. Continuous.
- 4.3 O&M programme of the project. Continuous.
- 4.4 Impact of the project-
 - 4.4.1 Direct. : Positive impact.
 - 4.4.2 Indirect. : Positive impact.
- 4.5 Transfer of Technology and Institutional Building through the project. : Positive impact.
- 4.6 Employment generation through the project. Yes.
- 4.7 Possibility of Self employment. Yes.
- 4.8 Possibility of women-employment opportunity. Yes.
- 4.9 Women's participation in development. Yes.
- 4.10 Probable Impact on Socio-Economic activity. : Positive impact.
- 4.11 Impact on environment. : Positive impact.
- 4.12 Sustainability of the project. : Sustainable.
- 4.13 Contribution to poverty alleviation/ reduction. : Positive impact.
- 4.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc. : Positive .
- 4.15 Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities. Not Applicable.

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

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

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

The main objective of the project is to provide comprehensive flood control and drainage improvement by erecting flood control embankment and integrated flood water management programme in the area outside of existing flood embankment erected under Pabna Irrigation and Rural Development project (1st Phase).

Another important objective of the project is making provision of irrigation facilities by farmers own initiative through, Enhancing desired surface water in flowing rivers and internal khals/channels.

The project has ensure safety of lives & properties and restore social & natural security along with environment up-gradation from continuous threat of river bank erosion for sustainable socioeconomic enhancement in the entire area. The project area covers gross and net benefited area of 6,555 ha. and 5,415 ha. respectively.

The objective of this project have direct relevance with the national objective of attaining self-reliance, generation of rural employment. Poverty alleviation specially for rural poor section, creation of social & environmental balance & building of economic infrastructures for the future generation to sustain. All of these have direct or indirect implication for poverty reduction.

In compliance of the above, original PP of the project costing Tk. 2454.31 lac was approved on July, 2005 & 1st RDPP costing Tk. 3422.97 lac approved on June, 2007 for Construction of New Embankment of Polder-4, Construction of New Embankment & Re-sectioning (Polder-1 & 2), Re-Excavation of Badai river and Construction of Embankment by the same earth, Construction of drainage sluice, Construction of drainage outlet, River Bank protection of Polder-1, Land acquisition, & Slope protection of embankment of Polder-4 during FY 2005-2006 to 2010-2011 and the same has been achieved accordingly.

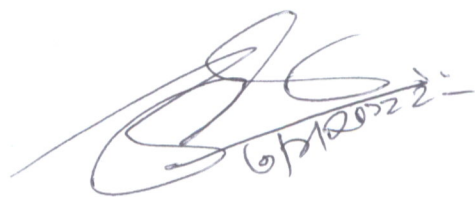
Total progress of the Project is 97.80% (Physically), remaining 2.20% (Physically) will be implemented by the O&M budget and people will get their full Project benefit undoubtedly.

Date : 8.10.11

Signature and seal of the Project Director/Manager.

(Samir Kumar Bhattacharyya)
Superintending Engineer,
Pabna O&M Circle,
BWDB, Pabna,

7. Remarks /Comments of Agency Head :



MD. AZIZUL HAQUE
Director General
BWDB, Dhaka.

Date :

Signature and Seal.

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

Date :

Signature and Seal.