

BANGLADESH WATER DEVELOPMENT BOARD



PROJECT MONITORING FORM-IMED-04/2003(Revised)

PROJECT COMPLETION REPORT

Name of Project : Naogaon Town Protection Project.

Project Implementation Period : July/ 2011 to June/ 2016.

Name of Division : Naogaon O&M Division, BWDB, Naogaon.

Name of Circle : Rajshahi O&M Circle, BWDB, Rajshahi.

Name of Zone : North-Western Zone, BWDB, Rajshahi.

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 : Naogaon Town Protection Project.
02. Administrative Ministry/Division : Ministry of Water Resources.
03. Executing Agency : Bangladesh Water Development Board
04. Location of the Project : Upazila: Naogaon Sadar, District: Naogaon.
05. Objective of the Project : The main object of this project is to protect Naogaon Town as well as completion project area of Naogaon Polder-1, Tulshiganga Left embankment sub-project & Raktadaha Lohachura Beel Drainage Scheme from the flood inundation with active poldering system by construction of flood wall along the both bank of Little Jamuna in town area and also protection of town from the erosion of the Little Jamuna with drainage facility of this town area.
06. Estimated Cost : (In Lakh Taka)

	Original	Latest Revised
(a) Total	7325.30	8008.00
(b) Taka	7325.30	8008.00
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. Date of Approval:

	PCP	DPP
(a) Original	-	23-08-2011
(b) Latest Revised	-	15-12-2014

08. Implementation Period:

	Date of Commencement	Date of Completion
(a) Original	July, 2011	June, 2013
(b) Latest Revised	July, 2011	June, 2016
(c) Actual	July, 2011	June, 2016

09. Financing Arrangement (Source wise):

9.1. Status of Loan/Grant.

a) Foreign Financing: **Not Applicable.**

Source(s)	Currency as per arrangement	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
Not Applicable.							

b) GOB:

Total Amount	Loan	Grant	Cash foreign Exchange
1	2	3	4
8008.00	-	-	-

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

Source(s)	Total Amount		Actual Expenditure		Utilized Amount	
	in US \$	In local Currency	in US \$	In local Currency	in US \$	In local Currency
1	2	3	4	5	6	7

Not Applicable.

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

RPA Amount		Amount Spent	Amount Claimed	Amount Re-imbursed	Remark
As per DPP	As per Agreement				
1	2	3	4	5	6

Not Applicable.

B. IMPLEMENTATION POSITION

01. Implementation Period:

Implementation Period as per DPP		Actual Implementation	Time over run (% of Original Implementation Period)	Remarks
Original	Latest Revised			
1	2	3	4	5
July, 2011-June, 2013	July, 2011-June, 2016	July, 2011-June, 2016	150%	

02. Cost of the Project: (in Lakh Taka)

Description	Estimated Cost		Actual Expenditure	Cost over run (% of original cost)	Remarks
	Original	Latest Revised			
1	2	3	4	5	6
TOTAL	7325.30	8008.00	7742.57	105.69%	
TAKA	7325.30	8008.00	7742.57	105.69%	
RPA	-	-	-	-	-

03. Project Personnel: **Project work has been completed by existing manpower of BWDB.**

Sanctioned strength as per DPP	Manpower employed during execution	Status of the existing manpower			Manpower employed	
		Manpower for as per DPP	Existing manpower for O&M	Others	Male	Female
1	2	3	4	5	6	7
Officer(s)	-	-	-	-	-	-
Staff(s)	-	-	-	-	-	-
Total	-	-	-	-	-	-

04. Training of Project Personal (Foreign/Local): **Not Applicable.**

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

05. Component wise Progress (As per latest approved DPP): (In lakh Taka).

Items of Works (As per DPP)	Unit	Target (As per DPP)		Actual Progress		Reason for Deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
(A) Revenue Component						
Survey & Investigation	1 item	4.50	100%	4.50	100%	Actual expenditure
Petrol & Lubricant	1 item	6.00	100%	5.93	100%	-Do-
Stationery	1 item	1.00	100%	1.00	100%	-Do-
Computer accessories	1 item	3.00	100%	2.94	98.00%	-Do-
Printing & Publication	1 item	3.66	100%	2.18	59.56%	-Do-
Honorarium for the member of Project Steering Committee	1 item	2.50	100%	2.19	100%	-Do-
Honorarium /fees for Mid- Term Evaluation.	1 item	10.00	100%	6.48	100%	-Do-
Repairs, Maintenance & Rehabilitation						
Repair of Transport & Vehicles (4 Nos. Jeep, 7 Nos, Motor Cycle)	11 Nos	4.00	100%	4.00	100%	-Do-
Computer & Office Equipments (3 Nos. Computer, Fax, Telephone, Printers, 1 leveling Machine, Type Machine, 2 Nos. IPS).	1 item	1.50	100%	1.50	100%	-Do-
Revenue Component: Sub-Total=		36.16		30.72		-Do-
(B) Capital Component						
Acquisition of Assets	-	-				
Computer with Laser Printer (Brand: P-IV), 1 No.	1 No.	0.80	100%	0.80	100%	-Do-
Photocopier (1 No.)	1 No	1.50	100%	1.50	100%	-Do-
Survey & Office equipment (1 Item)	1 No	1.50	100%	1.50	100%	-Do-
GPS (2 Nos.)	2 Nos.	0.50	100%	0.50	100%	-Do-
Acquisition / purchase of land & Landed Properties of Assets						
Land acquisition with stamps & registration fee.	0.468 ha	28.62	100%	28.62	100%	-Do-
Construction of works						
Construction of R.C.C flood wall (Left bank = In between Km. 0.250 to Km. 3.900= 3.037Km & Right bank = In between Km. 0.514 to Km. 5.034= 3.947Km Total=6.984Km. of Little Jamuna river)	6.984Km	1574.27	100%	1493.75	100%	-Do-
Bank Revetment work (Left bank = In between Km. 0.250 to Km. 3.900= 3.626Km & Right bank = In between Km. 0.514 to Km. 5.034= 3.947Km Total= 7.763Km. of Little Jamuna river)	7.763 Km	5954.44	100%	5803.66	100%	-Do-
Construction of Drainage outlets	90 Nos.	322.71	100%	322.71	100%	-Do-
Construction of Ghat & Stair	20 Nos.	72.50	100%	44.00	100%	-Do-
O&M during construction	1 Item	15.00	100%	14.81	100%	-Do-
Capital Component. Sub- Total =		7971.84		7742.57		-Do-
Total (A+B)=		8008.00		7742.57		
(C) Physical contingency	1 Item	0.00		0.00		
(D) Price contingency	1 Item	0.00		0.00		
Grand Total		8008.00		7742.57		

0.6 Information regarding Project Director(s):

Name & Designation with pay scale	Full time	Part time	Responsible for more than one project	Date of		Remarks
				Joining	Transfer	
1	2	3	4	5	6	7
Abu Md. Shafiul Azom Superintending Engineer Rajshahi O&M Circle BWDB, Rajshahi 25750/- - 33750/-		Part time	Yes	30-03-2011	29-03-2012	
Md. Moktar Hossain Khan Executive Engineer Naogaon O&M Division BWDB, Naogaon		Part time	Yes	02-06-2011	28-12-2014	
A K M Momtaz Uddin Superintending Engineer Rajshahi O&M Circle BWDB, Rajshahi 25750/- - 33750/-		Part time	Yes	21-08-2014	08-09-2014	
Sajidur Rahman Sarder Superintending Engineer Rajshahi O&M Circle BWDB, Rajshahi 25750/- - 33750/-		Part time	Yes	29-12-2014	16-05-2015	
Mir Mosharrof Hossain Superintending Engineer Rajshahi O&M Circle BWDR, Rajshahi 25750/- - 33750/-		Part time	Yes	17-05-2015		

97. Procurement of Transport (in nos.): Not Applicable

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
Car						
Jeep						
Minibus						
Bus						
Pick-up						
Truck						
Motor Cycle						
By-Cycle						
Speed Boat						
Speed Boat						
Launch						
Other with name						

08. Procurement of Goods, Works and Consultancy Service.

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

Description of procurement (goods/work/consultancy) as per Bid document	As per DPP	Contract value	Tender/Bid/Proposal		Date of completion of works /services and supply of goods.	
			Invitation date	Contract signing/LC opening date	As per contract	Actual
1	2	3	4	5	6	7
Construction of R.C.C flood wall and Bank revetment work from km. 2.700 to km. 3.900 = 1200.00 m. along the left bank of the Little Jamuna river in connection with Naogaon Town Protection Project during the FY 2011-2012. Package No-Naog.T.P.P/W-1.	855.89	892.03	04-03-2012	01-04-2012	17-01-2013	25-06-2014
Construction of R.C.C flood wall and Bank revetment work from km. 3.834 to km. 5.034 = 1200.00 m. along the right bank of the Little Jamuna river in connection with Naogaon Town Protection Project during the FY 2011-2012. Package No-Naog.T.P.P/W-2.	847.02	935.32	04-03-2012	01-04-2012	25-12-2012	25-06-2014
Construction of R.C.C flood wall and Bank revetment work from km. 1.500 to km. 2.700 = 1200.00 m. along the left bank of the Little Jamuna river in connection with Naogaon Town Protection Project during the FY 2011-2012.Package No-Naog.T.P.P/W- 9.	914.11	963.84	04-03-2012	01-04-2012	09-01-2013	31-08-2014
Construction of R.C.C Flood Wall and Bank Revetment Work from km. 0.300 to km. 1.500 = 1200.00m. along the Left Bank of the Little Jamuna River in C/W Naogaon Town Protection Project during the FY 2013-2014.Package No-Naog.T.P.P/W-10.	1298.24	1298.24	21-11-2013	29-12-2013	20-06-2014	28-06-2016
Construction of R.C.C Flood Wall and Bank Revetment Work from km. 2.634 to km. 3.834 = 1200.00m. along the Right Bank of the Little Jamuna River in C/W Naogaon Town Protection Project during the FY 2013-2014.Package No-Naog.T.P.P/W-11.	1410.96	1410.96	21-11-2013	29-12-2013	24-06-2014	19-04-2016
Construction of R.C.C Flood Wall and Bank Revetment Work from Km 1.434 to Km 2.634 = 1200 m along the Right Bank of the Little Jamuna River in C/W Naogaon Town Protection Project under Naogaon O&M division, BWDB,Naogaon during the FY 2014-15. (Length of R.C.C flood wall =850.00 m & Length of Bank revetment work=1200.00 m) Package No- Naog.T.P.P/W-12.	1271.28	1203.86	04-03-2015	07-04-2015	15-06-2015	30-06-2016
Construction of R.C.C Flood Wall in between Km 0.514 to Km 1.434 = 820.00 m and Bank Revetment Work from km 0.679 to km 1.434 =755.00 along the Right Bank of the Little Jamuna River in C/W Naogaon Town Protection Project under Naogaon O&M division, BWDB,Naogaon during the FY 2014-15 (Package No. Naog.T.P.P/W- 13). (Length of R.C.C flood wall =820.00 m & Length of Bank revetment work=755.00 m)Package No-Naog.T.P.P/W-13.	873.29	832.18	04-03-2015	07-04-2015	22-05-2015	30-06-2016
Total=	7470.79	7536.43	-	-	-	-

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

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

b) Local

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

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

C. FINANCIAL AND PHYSICAL PROGRAMME:

i. (a) Original and revised schedule as per DPP.

Financial year	Financial Provision & Physical target as per original DPP				Financial Provision & Physical target as per latest revised DPP			
	Total	Taka	PA	Physical %	Total	Taka	PA	Physical %
1	2	3	4	5	6	7	8	9
2011-12	3172.45	3172.45	-	56.69%	199.09	199.09	-	2.486%
2012-13	4152.85	4152.85	-	43.31%	1266.26	1266.26	-	15.812%
2013-14	-	-	-	-	1996.59	1996.59	-	24.932%
2014-15	-	-	-	-	2510.45	2510.45	-	31.349%
2015-16	-	-	-	-	2035.61	2035.61	-	25.420%
Total	7325.30	7325.30	-	100.00%	8008.00	8008.00	-	100.00%

(b) Revised ADP allocation and progress:

Financial year	Revised Allocation & Target				Taka release	Expenditure & physical progress.			
	Total	Taka	P.A	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2011-12	200.00	200.00	-	2.50%	200.00	199.09	199.09	-	2.49%
2012-13	1300.00	1300.00	-	16.23%	1300.00	1266.26	1266.26	-	15.81%
2013-14	2000.00	2000.00	-	24.98%	2000.00	1996.59	1996.59	-	24.93%
2014-15	1700.00	1700.00	-	21.23%	1700.00	1696.67	1696.67	-	21.19%
2015-16	2637.00	2637.00	-	35.06%	2637.00	2583.96	2583.96	-	34.54%
Total	7837.00	7837.00	-	100%	7837.00	7742.57	7742.57	-	98.96%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
<ul style="list-style-type: none">To protect the Naogaon township from flood water inundation and stop the entry of flood water into the adjoining project areas by construction of 6.984 km flood wall including 7.763 km bank revetment works along the both banks of the Little Jamuna River.Protection of Project property and lives of the Naogaon Township and standing crops in the adjoining project areas of Naogaon Polder-1, Sub-Project, Tulshiganga left embankment sub-project & Raktadaha Lohachura Beel Drainage Scheme from flood damage.Augmentation of industrial & agricultural productivity and accelerate economic growth in the town and adjoining existing projects by providing flood protection.	Objectives have been achieved by the implementation of the project.	Not Applicable.

E. BENEFIT ANALYSIS :

01. Annual Out-put:

The main problems of the project were to overtop flood water on both bank of Little Jamuna river into Naogaon town during flood period which inundated the town as well as adjacent FCD project area and also constrained the drainage facility of the town at past flood period. The erosion of the banks of the Little Jamuna in Naogaon town area was also the problem. Due to these problems, the town was gone under flood water causing disruption of the communication and business of the district town. Besides, the crops of the projects Naogaon Polder-1, Tulshiganga Left embankment sub-project & Raktadaha Lohachura Beel Drainage Scheme was severely damage by intrusion of flood water through opening of the bank of the Little Jamuna in town area. The bank erosion of the river at town area causes loss of valuable properties with land and infrastructures.

The aforesaid problems have been addressed by implementation of the component of the project as follows:-

- (i) 6.958 km flood wall on both bank of the Little Jamuna river has been constructed for complete the poldering system with Naogaon polder-1, Tulshiganga left embankment sub-project and Raktadaha-Lohachura beel drainage scheme. Due to the wall, flood water has been arrested to enter into the town as well as of the said 3 projects area which save huge crop of the projects and save the town from inundation of flood water.

- (ii) 7.763 km bank revetment work along the both bank of the river with flood wall has been constructed to save the town area and its infrastructures from the erosion of the bank.
- (iii) 90 nos. outlet have been constructed to facilitate the drainage of the town in pre and post flood period. The outlet has been designed in such a way that it does not allow to enter the flood water into the town and the rain and stagnant water can automatically be drained out from the town.
- (iv) 20 nos. stair and ghats have been constructed to facilitate the dwellers and businessman of the town for using the river water for household as well as goods handling and shifting for businessmen to carry the goods on the waterway.

By the implementation of the project, immovable properties of worth Tk. 204330.00 lakh will have to be saved from bank erosion as well as 12455.26 m.t. of paddy and 1658.04 m.t. of other crops will be increased by saving from flood inundation. Besides, employment benefit of skilled and unskilled labour has been achieved during the implementation of the project. The economic benefit of project is about 184305.66 lakh, but social and environmental benefit have been achieved and sustained but which could not be quantified.

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-puts during the 1 st year of operation at full capacity (or during real production for newly completed project)
1	2	3	4
.....Not Applicable.....			

02. Cost / Benefit :

Item	Estimated	Actual
(1) Benefit cost of the project	Not Applicable	Not Applicable
(i) Financial		
(ii) Economic		
(2) Internal rate of return	Not Applicable	Not Applicable
(i) Financial		
(ii) Economic		

03. Please give reason for shortfall, if any, between the estimated and actual benefit: Not Applicable.

F. MONITORING AND AUDITING.

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
(a) Ministry / Agency :			
1. Montu Kumar Biswas Joint Chief Ministry of Water Resources	05-03-2014 to 08-03-2014	Not found	
2. Abu Usuf Mohammad Rasel Assistant Chief Ministry of Water Resources	05-03-2014 to 08-03-2014	Not found	
3. Md. Nozrul Islam Assistant Chief Ministry of Water Resources	05-03-2014 to 08-03-2014	Not found	
4. Md Ismile Hossain DG, BWDB, Dhaka .	29-05-2015, 13-11-2015	Not found	
5. Md. Afzal Hossain Chief Engineer, North-Western Zone, BWDB, Rajshahi .	14-05-2012, 23-06-2012	Not found	
6. Abdur Rob Miah Chief Engineer, North-Western Zone, BWDB, Rajshahi .	12-06-2013, 21-12-2013, 02-01-2014	Not found	
7. Obaidur Rahman Chief Engineer,(addl.Ch.) North-Western Zone, BWDB, Rajshahi .	14-09-2014	Not found	
8. Md Aminul Islam Chief Engineer, North-Western Zone, BWDB, Rajshahi .	13-02-2015,	Not found	
9. A.K.M. Momtaz Uddin Chief Engineer, North-Western Zone, BWDB, Rajshahi .	29-05-2015, 21-06-2015, 26-08-2015, 05-09-2015, 18-10-2015, 20-11-2015, 01-12-2015, 04-01-2016, 03-02-2016, 29-03-2016, 22-04-2016, 16-05-2016, 19-06-2016	a) Sometime Contractors or his representatives not found at working site.	All works of Naogaon Town Protection Project must be completed within the scheduled time.
10. Abu Md. Shafiul Azam, Superintending Engineer / Project Director , Rajshahi O & M Circle, BWDB, Rajshahi.	03-04-2011, 28-05-2011, 15-06-2011, 28-07-2011, 10-08-2011, 05-09-2011, 03-10-2011, 29-11-2011, 18-12-2011, 25-01-2012, 15-02-2012	Not found	
11. Mohammad Shahabuddin, Superintending Engineer , Rajshahi O & M Circle, BWDB, Rajshahi.	30-05-2012, 12-06-2012, 25-07-2012, 26-08-2012, 08-09-2012, 29-10-2012, 30-12-2012, 18-02-2013, 25-02-2013, 28-05-2013, 25-12-2014	Not found	

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
12. Sajidur Rahman Sarder Superintending Engineer / Project Director , Rajshahi O & M Circle, BWDB , Rajshahi.	25-02-2015, 28-03-2015, 05-04-2015	Not found	
13. Mir Mosharrof Hossain Superintending Engineer / Project Director , Rajshahi O & M Circle, BWDB , Rajshahi.	20-05-2015, 29-05-2015, 05-06-2015, 21-06-2015, 07-07-2015, 20-07-2015, 08-08-2015, 26-08-2015, 05-09-2015, 25-09-2015, 04-10-2015, 18-10-2015, 01-11-2015, 20-11-2015, 01-12-2015, 29-12-2015, 04-01-2016, 17-01-2016, 03-02-2016, 18-02-2016, 01-03-2016, 29-03-2016, 09-04-2016, 22-04-2016, 02-04-2016, 01-05-2016, 16-05-2016, 04-06-2016, 19-06-2016.	b) Sometime Contractors or his representatives not found at working site.	All works of Naogaon Town Protection Project must be completed within the scheduled time.
(b) IMED :			
1. Porimol Chandra Bosu Deputy Director IMED Ministry of Planning	29-09-2014	Some problems found in functioning of outlet gates.	Problems should be resolved
2. Lasmi Chakma Assistant Director IMED Ministry of Planning	02-04-2016	Some problems found in functioning of outlet gates.	Problems should be resolved
(d) Others (Please specify):			
01. Honorable MP Late Mr. Abdul Jalil, Naogaon-5.	2012	Not found	
02. Honorable MP Mr. Abdul Malek, Naogaon-5.	2014	Not found	
3. Dr. Md. Aminur Rahman, Deputy Commissioner, Naogaon.	05-04-2016	Not found	

02. Auditing during and after Implementation:

2.1. Internal Audit:

Period of Audit	Date of submission of Audit Report.	Major findings/ objections	Whether objection resolved or not.
1	2	3	4
2011-12	August/2012	No Major findings/objections	Objections resolved
2012-13	September/2013	No Major findings/objections	Objections resolved
2013-14	September/2014	No Major findings/objections	Objections resolved
2014-15	November/2015	No Major findings/objections	Objections resolved
2015-16	Not Done	-	-

2.2. External Audit:

Audit Period	Date of submission of Audit Report.	Major findings/objections	Whether objection resolved or not.
1	2	3	4
2011-12	November/2012	No Major findings/objections	Objections resolved
2012-13	November/2013	No Major findings/objections	Objections resolved
2013-14	December/2014	No Major findings/objections	Objections resolved
2014-15	March/2016	No Major findings/objections	Objections resolved
2015-16	Not Done	-	-

0006

G. DESCRIPTIVE REPORT :

01. General Observations / Remarks of the Project on:

1.1. Background:

Naogaon Town is situated on both banks of the River Little Jamuna. Flood embankment on the right bank of Little Jamuna River was planned to be constructed under completed Naogaon Polder-1 sub-project under 3rd FCD Project financed by IDA , But 4.520 km. of embankment in the Town area was not possible to complete due to various reasons. On the other hand there was no flood embankment on the left bank of the Little Jamuna River in the Naogaon Town area. Flood embankment from BDR Camp to Liton Bridge was not constructed under Tulshiganga Left Embankment Project. as well as flood embankment from Liton Bridge to Lashkarpur was not constructed under Raktadaha-Lohachura Beel Drainage Scheme due to some constraint. So, left bank on about 4.644 km. had no embankment. A road of Naogaon Pourashova was constructed almost parallel to the river on the left bank primarily to prevent the intrusion of flood water into the areas of the said two projects . But the elevation of the road is below the design flood level and thus does not serve the purpose of flood embankment.

The main river only flowing through the project area is the Little Jamuna. The river Little Jamuna originates in the district of Jalpaiguri acrosses the border and passes through eastern Dinajpur and flows through west of Rangpur and finally draining through the western Bogra and falls into the Atrai River at upstream of Rasulpur of Naogaon district. The principal tributaries to this river are Tulshiganga and Chirri Nadi, both of which drain the eastern Barind. The Little Jamuna has curved out its own valley in the Barind that separates the eastern from eastern-central Barind and devided Naogaon into west Naogaon and east Naogaon . The water level of the little Jamuna river is effected by the water level of Atrai River . Atrai and Little Jamuna are also connected by Zia Khal a few Kilometers upstream of confluence point at Rasulpur . While the water level of Atrai river is higher than that of Little Jamuna river , there will be back flow towards Little Jamuna and vice versa ; accordingly there will be back flow water effect from the confluence point at Rasulpur causing high stage of Little Jamuna and vice versa .

Due to non existence of flood embankment on the both banks of the River Little Jamuna in the Naogaon Town area for a length of about $4.520 + 4.644 = 9.164$ km., flood water entered into the Town area and the aforesaid project area in every year . Thus the objective of controlling flood was being hampered and the 24 sq.km. of Naogaon Town on the both banks became vulnerable during flood season. As such , to protect the Naogaon Town area from flood and to ensure the effectiveness of controlling flood in the Naogaon Polder-1 Sub-Project area it was essential to construct 4.520 km. of flood embankment/wall on the right bank . On the other hand it was also necessary to construct

4.644 km. of flood embankment/wall on the left bank to protect the flood water into the project areas of Tulshiganga Left Embankment Sub-Project and Raktadaha-Lohachura Beel Drainage Scheme.

The local people of the area requesting frequently BWDB officials to take necessary steps to implement the project with a view to protect the valuable govt. and public properties, lives of animals, lands in the project area. To solve the problems of flooding of Naogaon Town area, the present Honourable Prime Minister of The People's Republic of Bangladesh **Sheikh Hasina** on her visit to Naogaon on 1st March, 1998 made a commitment to implement the project with sustainable solution of the problems. The Ex-Honourable Minister and the Honourable Member of Parliament Late Mr. Md. Abdul Jalil directed BWDB officials to prepare and submit a project plan to the competent authority for immediate implementation of the said project. In this context, an open discussion meeting with local elite persons was held on 28 April, 2009 at the conference room of Deputy Commissioner, Naogaon presided by D.C. Naogaon. The Honourable Member of Parliament (Naogaon-5) Mr. Md. Abdul Jalil was the Chief guest of that meeting.

To implement the project all physical items of works have been incorporated as per recommendation of the Meeting as well as the feasibility report, submitted on May, 2002. We think the recommendation of project is still feasible and acceptable. All items of the project have been incorporated in DPP in accordance of approved design & drawing.

1.2. Justification / Adequacy:

The project is justified as the background stated above prompted BWDB to take up the project for implementation.

1.3. Objectives:

- To protect the Naogaon township from flood water inundation and stop the entry of flood water into the adjoining project areas by construction of 6.984 km flood wall including 7.763 km bank revetment works along the both banks of the Little Jamuna River.
- Protection of Project property and lives of the Naogaon Township and standing crops in the adjoining project areas of Naogaon Polder-1, Sub-Project, Tulshiganga left embankment sub-project & Raktadaha Lohachura Beel Drainage Scheme from flood damage.
- Augmentation of industrial & agricultural productivity and accelerate economic growth in the town and adjoining existing projects by providing flood protection.



1.4. Project revision with reasons:

The main item of the project is to protect Naogaon Township from inundation and preventing the entrance of flood water into the adjoining project areas by constructing 6.984 km flood wall including 7.763 km bank revetment works along the both banks of the Little Jamuna River. The cost of estimate of the civil works in the original approved DPP had been assessed as per schedule rate of Rajshahi O&M Circle, BWDB, Rajshahi enforced from July, 2009. In the mean time, schedule rate for all items has been increased significantly than that of year 2009-2010 used in original approved DDP. In addition, cost for construction of Ghat and Stair has also increased as because of the revision of approved working design by the competent authority considering the present field condition. As such, further revision of the project is required to fix up the project cost based on presently increased Schedule rate for the packages to be completed upon approval of proposed 1st revised DPP.

It is also noted that Project Implementation Period requires an extension for implementing the remaining physical works since yearly budget allocation of the project cost was insufficient as compared to the original Annual Procurement Plan (APP). Implementation period is proposed to be extended by another 2 (Two) years setting the revised period from July, 2011 to June, 2016.

Thus completion date as proposed is by 30 June, 2016.

The two main reasons for 1st revision of DPP are:-

- To allow the implementation of the remaining physical works based on the current schedule rate (enforced from October 2012) with respect to previous Schedule rate (enforced from July 2009).
- To provide the adoption of a realistic time requirement for implementing the remaining project works.

Justification to fix up project cost based on present schedule rate:

- The original project was planned to implement on the basis of Feasibility Study “Construction of Flood Embankment/Wall on the Both Banks of the River Little Jamuna in the Naogaon Town”, conducted in March, 2002. The original DPP of the project costing Tk.7325.30 lakh was approved by ECNEC meeting held on 23-08-2011 for the Implementation Period from July, 2011 to June, 2013. In the original DPP, the main components of the physical works of the project was 8.626 km Flood wall construction, 8.260 km River Bank Protection Work, 90 Nos. out-let constructions and construction of 180.00m embankment & 20 nos. Ghat & Stair construction. In the original approved DPP, 16 (Sixteen) packages had been delineated in the Annual Procurement Plan (APP). Up to current FY 2013-2014, work order has been given for 11(Eleven) packages out of those 16(Sixteen) packages. Out of these 11(Eleven) packages awarded, 6(Six) packages

have been completed during the year 2012-2013, 3(three) packages have been completed during the year 2013-2014 and remaining 2(two) packages are in progress. Up to June 2014, the overall physical progress of the project is 47.26% and financial progress is Tk. 3461.94 Lakh.

- It is noted that, in compliance to the recommendation of IMED field visit report, construction of 180.00 m flood control embankment has been excluded in the currently recast 1st Revised DPP (recast: November, 2014) which was incorporated in the original approved DPP. Hence total nos of packages is 15 in the APP of 1st Revised DPP (recast: November, 2014).
- In the original approved DPP, schedule rate of the FY 2009-201 of Rajshahi O&M Circle, BWDB, Rajshahi had been used in calculating the cost estimate for all the civil works components. In calculating 1st Revised DPP (recast: November, 2014) cost, the contract rate has been used for 11(Eleven) packages for those work order has been issued previously. Present Schedule rate (enforced from July, 2012) Rajshahi O&M Circle, BWDB, Rajshahi has been used in calculating the estimated cost for the remaining 4(four) packages which will be completed upon approval of 1st Revised DPP (recast: November, 2014).

Justification for extension of Project Implementation Period:

- Up to FY 2013-2014 total Tk. 3500.00 lakh has been allocated against the project cost of Tk. 7325.30 lakh. Due to severe fund constraint, proposal for one year time extension of the project implementation was submitted to the competent authority for approval as per decision of 2nd Project Steering committee (PSC) held on 31-03-2013. Accordingly, project implementation period has been extended from July, 2011 to June, 2014 by the Ministry of Water Resources .
- However, in the current FY 2014-2015 Tk. 1500.00 lakh has been allocated. Hence total fund allocation stands Tk. 5000.00 lakh (3500.00+1500.00=5000.00 lakh) against the total original project cost Tk. 7325.30 lakh. According to the proposed 1st Revised DPP (November, 2014) still Tk. 3008.00 lakh is required against the total 1st Revised DPP cost of Tk. 8008.00 lakh for completion of the project. Since 1st Revised DPP (Recast-November, 2014) is still under approval process, project can not be completed by an extension of another 1(one) year. Therefore, in the practical point of view, Project Implementation period is proposed to be extended by another 2 (Two) years setting the revised period from July, 2011 to June, 2016. Thus completion date as proposed is by 30 June, 2016.

The table shown the main features of the proposed 1st Revised DPP (Recast-November, 2014).

Economic code	Code/Sub-Code Description	Cost (in Lakh Taka)		% Increase/Decrease	Reasons for increase/Decrease
		As per approved DPP	As per proposed RDPP		
1	2	3	4		5
(a) Revenue component					
4800	Supplies & Services	14.00	30.66	(+) 119.00%	Considering the time extension.
4900	Repairs, Maintenance & Rehabilitation	3.50	5.50	(+) 57.14%	Considering the time extension.
(b) Capital component					
6800	Acquisition of Assets	4.30	4.30	0.00%	-
6900	Acquisition/Purchase of Land & Landed Properties of Assets.	30.00	28.62	(-) 4.60%	As per bill paid
7000	Construction works				
7081	Construction of R.C.C. Flood Wall on the Left and Right Bank of the Little Jamuna River (6.984 km).	1374.78	1574.27	(+) 14.51%	Due to increase of schedule rate.
7081	Bank Revetment Works on the Left and Right Bank of the Little Jamuna River (7.763 km)	5122.86	5954.44	(+) 16.23%	Due to increase of schedule rate.
7081	Construction of embankment from km 0.00 to km 0.180=180m on the left bank of the Little Jamuna River.	7.54	-	(-) 100.00%	Excluded according to IMED recommendation.
7081	Construction of drainage outlet (90 Nos.)	375.58	322.71	(-) 14.08%	Due to contract price.
7081	Construction of Ghat & stair (20 Nos.)	28.92	72.50	(+) 150.69%	Due to revision of approved design & increase of schedule rate.
-	O & M cost during construction	15.00	15.00	0.00%	Same as DPP
(c) Physical contingency 1% of (a+b)		69.76	0.00	(-) 100.00%	-
(d) Price contingency 4% of (a+b)		279.06	0.00	(-) 100.00%	-
Total (a+b+c+d)=		7325.30	8008.00	(+) 9.32%	

- It can be mentioned here that initially 1st Revised DPP (December, 2013) Costing Tk. 8777.62 Lakh was prepared in compliance of the decisions of the 3rd Project Steering Committee (PSC) meeting held on 23-06-2013 in the Ministry of Water Resources and submitted on 17-12-2013 to the competent authority of BWDB and subsequently sent to the Ministry of Water Resources for

it's approval processing. The project cost of 1st Revised DPP (December, 2013) was **19.83%** higher than the original approved DPP cost of Tk.**7325.30** Lakh.

1st Revised DPP Rationalization meeting:

1st Revised DPP Rationalization Meeting was held on 27-02-2014 in the Conference room Ministry of Water Resources. Decisions of the 1st Revised DPP Rationalization Meeting have been complied. In compliance to the decision of that meeting, a committee comprising of two Assistant Chief, MoWR visited the project area on 06-03-2014 and submitted a report incorporating the justification of the project revision and rationalization of project cost of 1st Revised DPP. The committee recommended that the existing bank revetment work of length 219.00 m as proposed in the 1st Revised DPP is essential to repair since it has been almost damaged in the meantime.

- Following the decisions of 1st Revised DPP Rationalization Meeting, cost estimate of all physical components was reviewed with current schedule rate keeping in mind need based assessment on current hydraulic behavior & morphological changes in the river reaches of the project area. Consequently, 1st Revised DPP (April, 2014) was recast costing Tk 8500.00 Lakh in replace of Tk. 8777.62 Lakh. Moreover, the cost of flood wall construction and bank revetment work had been estimated based on further assessment of total length of flood wall construction and bank revetment work as per present field requirements. In the original approved DPP, the total length of flood wall construction and bank revetment work is 8.626 km and 8.260 km respectively. However, in the proposed 1st revised DPP (Recast: April, 2014), the total length of flood wall construction and bank revetment work was 8.240 km and 8.075 km respectively.
- It can be noted that honorarium of Tk. 10.00 Lakh for Mid Term Evaluation Committee has been incorporated in revenue component in the proposed 1st Revised DPP (recast: April, 2014) as suggested by the Ministry of Water Resources.
- In brief, 1st Revised DPP (recast: April, 2014) of total of total costing Tk. **8500.00** Lakh had been recast according to the decision of the 1st Revised DPP Rationalization Meeting held on 27-02-2014 in the Ministry of Water Resources. The project cost of proposed 1st Revised DPP (recast: April, 2014) was **16.04%** higher than original approved DPP cost of Tk.**7325.30** Lakh and it was submitted onward for it's approval of the competent authority.
- Subsequently, 4th Project Steering Committee (PSC) meeting was held on 09-04-2014 in the Ministry of Water Resources. In the meeting it was decided to forward 1st Revised DPP (recast: April, 2014) to the Planning Committee for its approval processing. Accordingly it was sent to the Planning Committee by the Ministry of Water Resources.

1st Revised Project Evaluation Committee (PEC) meeting :

- 1st Revised Project Evaluation Committee (PEC) meeting was held on 02-06-2014 in the Planning Commission for consideration of it's approval processing presided over by the Member, Agriculture, Water Resources & Rural Infrastructure Division. It was decided in the meeting that the proposed 1st Revised DPP (recast: April, 2014) costing Tk. 8500.00 Lakh has to be submitted to the Planning Commission quickly setting the project implementation period from July, 2011 to June, 2016. The project cost of proposed 1st Revised DPP was **16.04%** higher than original approved DPP cost of Tk.**7325.30** Lakh. As such, 1st Revised DPP (Recast: June, 2014) was submitted to the Planning Commission for it's approval of the competent authority. Afterward, it was submitted to the Hon'ble Planning Minister for approval. The Hon'ble Planning Minister directed to submit the 1st Revised DPP (June, 2014) again based on the field visit report to be submitted by IMED .
- In compliance to the directives of the Hon'ble Planning Minister, Director General, IMED and Deputy Director, IMED has visited the project area on 12-09-2014. Meanwhile, 1st Revised DPP (Recast: November, 2014) has been recast in compliance to the observations and recommendations incorporated in the field visit report by IMED . In the 1st Revised DPP (Recast: November, 2014) total length of flood wall is 6.984 in place of 8.626 km and Bank revetment work is 7.763 km in place of 8.260 km as delineated in the original approved DPP. According to the recommendation of the field visit report by IMED, Construction of 180.00 m flood control embankment has been excluded in the 1st Revised DPP (Recast: November, 2014) which was incorporated in the original approved DPP. It is also noted that repair of 219.00 m existing bank revetment work has been dropped in the 1st Revised DPP (Recast: November, 2014) that was included as a new physical component in the 1st Revised DPP (Recast: June, 2014). Furthermore, the design for Ghat & stair construction has been revised for friendly use of the local people.
- Accordingly, 1st Revised DPP (Recast: November, 2014) of total costing Tk. **8008.00** Lakh has been recast in compliance to the recommendation of IMED . The project cost of proposed 1st Revised DPP (Recast: November, 2014) is **9.32%** higher than the original approved DPP cost of Tk.7325.30 Lakh. As such, submitted onward for it's approval of the competent authority.

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

Bangladesh is a densely populated with poor natural resources base , lack of industrialization and vulnerability to natural disasters ; like flooding , river bank erosion ,saline intrusion and cyclones etc. made Bangladesh as one of the undeveloped countries in the world. The major problem responsible for poverty includes high level of landlessness due to river bank erosion (i.e. population displacement and potential erosion damages and losses

to productive agricultural and urban land and severe damage to property and infrastructure) unemployment , illiteracy and malnutrition .

The population of the project area is very dense (about 1188 per square kilometer) and landless population is about 50%. Socio-economic development of the people through agriculture and business generation development providing flood control support and protection of potential lands, infrastructures of towns and rural areas from erosion damages is the main objective to alleviate poverty of the area.

The key problems of the project area are hazards due to fragment over bank spill of the Little Jamuna River into Naogaon Town and adjoining FCD project area . The flooding causes damage to crops and properties , disrupt normal communication and business with untold misered and suffering to local people . The other main problem is the bank erosion of Little Jamuna River causing loss of valuable lands of the Town and damage of infrastructure.

Flooding of Naogaon township and adjoining FCD projects can be controlled by construction of flood embankment/wall. The bank erosion need to be addressed by constructing river bank protection works . The drainage of the area shall be effected through interceptor drain and drainage outlet . The project will provide flood control . Naogaon Town area as well as in the impact areas of the three adjoining incomplete project of BWDB .

This will lead to changes in , land classes there will be less deep flooded land and the town area is expected to be free from flood hazared. The Agricultural impact of the project will be changes in the cropping pattern and ultimately is expected to in crop production , mainly rice . The increase in rice production will be mainly due to increase in production of HYVT Aman and HYB Boro .

The benefits of the projects will be derived from agriculture mainly due to flood control and drainage improvement. Major benefit will come from increased agriculture production. Production of about 12455.26 M.T. of paddy and 1658.04 MT. of other non-paddy crop production will be increased from pre-project condition. In addition to that there will be about Tk. 204330.00 lakh average annual benefits from savings of immovable and movable properties, repairing cost of roads and other structures , business loss etc. due to flood and erosion protection and damage improvement in the Naogaon Town areas.

The other benefits, employment opportunity of skilled and unskilled labour during implementation of the project. The intangible benefits are improvement of transportation,

creative of Linkage employment opportunities and favourable condition for round the year trade and commerce. The project is economically, viable, socially acceptable and environmentally sustainable.

The Present construction work components have been incorporated in the DPP in accordance of approved design & drawing by Design Circle-VI of BWDB at DPP preparation time, but on working time, all design of the works reviewed on the basis of latest river morphology, location and time. DPP have also been reviewed by 1st revision of the DPP.

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

Project Identification	N.A.
Project Preparation.	
Appraisal	
Credit Negotiation	
Credit Agreement	
Credit Effectiveness	
Loan Disbursement	
Loan Conditionality	
Project Approval	
Others (if any).	

04. 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: **Created facilities will be continued till the project active.**
- 4.3. O & M Programme of the project: **Continuous O&M will be required.**
- 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: **No**
- 4.8. Possibility of women- employment opportunity: **Yes**
- 4.9. Women's participation in development: **Yes**
- 4.10. Probable Impact 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 approach.**
- 4.15. Contribution of Micro-credit programmed and Comments of overlapping with any NGO activities. **Not Applicable.**

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

- | | |
|---|---|
| 5.1 Project Management - N/A | 5.12 Project and disbursement and reimbursement.- 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 – In the project area , social unrest prevailed sometimes , which hampered physical progress & delayed progress of the work . | 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 | |

05. Remarks & Recommendations of the Project Director:

- Protection of Naogaon town from flood water inundation and arrest the entry of flood water into the adjoining project areas have been ensured with effective poldering by construction of 6.984 km flood wall works along the both banks of the Little Jamuna River.
- Protection of Project property and lives of the Naogaon Town of immovable properties about Tk. 204330.00 lakh from erosion of the both bank has been ensured by construction of 7.763 km. bank revetment and also standing crops in the adjoining project areas of Naogaon Polder-1, Sub-Project, Tulshiganga left embankment sub-project & Raktadaha Lohachura Beel Drainage Scheme from flood damage have been saved.
- Augmentation of industrial & agricultural productivity and accelerate economic growth in the town and adjoining existing projects have been ensured by providing flood protection and revetment work.

- Naogaon Town is situated on both banks of the River Little Jamuna. Flood embankment on the right bank of Little Jamuna River was planned to be constructed under completed Naogaon Polder-1 sub-project, a project of 3rd FCD Project financed by IDA , But 4.520 km. of embankment in the Town area was not completed due to various reasons. On the other hand there is no flood embankment on the left bank of the River Little Jamuna in the Naogaon Town area .Flood embankment from BGB Camp to Liton Bridge was not constructed under Tulshiganga Left Embankment Project. Similarly, flood embankment from Liton Bridge to Lashkarpur was not constructed under Raktadaha-Lohachura Beel Drainage Scheme. The length of left bank about 4.644 km. remained open. A road of Naogaon Pourashova was constructed almost parallel to the river on the left bank primarily to prevent the intrusion of flood water into the areas of the said two projects . But the elevation of the road is below the design flood level and thus does not serve the purpose of flood embankment. By construction of 6.984 km. flood wall on both bank of the river, these open spaces have been closed. So, an effective poldering system has been made with the said projects.
- 90 nos. outlet have been constructed to facilitate the drainage of the town in pre and post flood period. The outlet hsa been designed in such a way that it does not allow to enter the flood water into the town and the rain and stagnant water can automatically be drained out from the town.
- 20 nos. stair and ghats have been constructed to facilitate the dwellers at businessman of the town for using the river water for household as well as goods handling and shifting for businessman to carry the goods on the waterway.

Due to implementation of the project, physical safety and sense of security among the project people have been developed, resulting in enhanced investment in housing and commercial buildings, enhanced investment in business and development work and have also caused positive impacts on agriculture and fish resources production and land prices. These all did shall cause enhanced opportunity of employment and poverty alleviation.

The very nature & objective of this project have direct relevance with the natural objective of attaining self-reliance, generation of rural employment, Poverty alleviation specially for rural poor section, creation of social & environmental balance & building of economic sustainable development.

The commencement and completion of the project was schedule to be accomplished in July, 2011 to June, 2013 as per approved DPP and July/2011 to June/2016 as per approved revised DPP accordingly implementation completion has been achieved.

After implementation of this project, effective poldering system with Naogaon Polder-1, Tulshiganga Left embankment sub-project & Raktadaha Lohachura Beel Drainage Scheme which leads to changes in, land classes there will be less deep flooded land and the town area is expected to be free from flood hazard. The Agricultural impact of the project will be changes in the cropping pattern and ultimately crop production will be increased , mainly rice . The increase in rice production will be mainly due to increase in production of HYVT Aman and HYB Boro .

The benefits of the projects will be derived from agriculture mainly due to flood control and drainage improvement. Major benefit will come from increased agriculture production. Production of about 12455.26 M.T. of paddy and 1658.04 MT. of other non-paddy crop production will be increased from pre-project condition. In addition to that there will be about Tk. 20433000.00 lakh average annual benefits from savings of immovable properties from banks erosion and also saving of movable properties, repairing cost of roads and other structures, business loss etc. due to flood.

The other benefits have been achieved from employment opportunity of skilled and unskilled labour during implementation of the project. The intangible benefits will be achieved from stable bank with protective work and walkway where city dwellers will walk in morning and evening as well as boating in the river.

The project objectives will be capable to fulfill the objectives of poverty alleviation as per directives of Government Approved 2nd PRSP (Poverty Reduction Strategy Paper) and MDG's (Millennium Development Goals).

Attaining Millennium Development Goals (MDGs) by 2015 has been the prime aim of the Government of the People's Republic of Bangladesh. There are other Bangladesh Development Goals which have to be achieved through Poverty Reduction Strategy. So, Water Sector has a vision for development and management of Water Resources over medium and long term. The vision for water resources sector has been indicated in the declaration of the National Water Policy document of GOB (1999). Vision incorporated in the document are as follows:

"Ensuring continued progress towards fulfilling the national and MDG goals of development through acquisition of water resources, optimizing its various use, managing resources for poverty reduction and sustainable development for securing their lives and properties from water related disasters".

As water is a cross cutting resource, its use is broad-based. Water is a resource on the one hand and a mainstay of livelihoods on the other. So, the goal is not confined within the water sector alone, it extends deep into the livelihoods functions of water (e.g. agriculture, fisheries, health, land reclamation, environment etc. including disasters and climate change). All of these have direct or indirect implications for poverty reduction.

Incompliance of the above, original DPP of the project costing Tk.7325.30 Lakh was approved on 23-08-2011 and 1st revised DPP of the project costing Tk.8008.00 Lakh was approved on 15-12-2014 for implementation of construction of 6.984 km flood wall including 7.763 km bank revetment works along the both banks of the Little Jamuna River in Naogaon town during FY 2011-12 to FY 2015-16 .

Date Signature and Seal of the Project Director / Manager.

(Mir Mosharraf Hossain)
Project Director
&
Superintending Engineer
Rajshahi O & M Circle
BWDB, Rajshahi.

06. Remarks/ Comments of Agency Head.

Construction of 6.984 km of flood wall under this project has protected Naogaon town & adjacent FED target areas from overtopping of flood water on the both banks of Little Jamuna river. Revetment work along the both banks of the river have saved the town from bank erosion. Overall flood protection and drainage facility of Naogaon town has been improved through implementation of this project. Hence, this project is a successful one.

Date.....

Signature and Seal

(Md. Jahangir Kabir)
Director General
BWDB, Dhaka.

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

Date.....

Signature and Seal.