



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT

IMED FORM NO.: 04/2003 (Revised)

NAME OF PROJECT: STRENGTHENING OF VULNERABLE LOCATIONS OF HAIZDA EMBANKMENT IN MOHANGONJ UPAZILA UNDER NETROKONA DISTRICT.

DIVISION : NETROKONA O&M DIVISION, BWDB, NETRAKONA.
CIRCLE : MYMENSINGH O&M CIRCLE, BWDB, MYMENSINGH.
ZONE : CENTRAL ZONE, BWDB, DHAKA.

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

PROJECT COMPLETION REPORT: IMED 04/2003(Revised)

A. PROJECT DESCRIPTION:

01. Name of the Project : Strengthening of vulnerable locations of Haizda embankment in Mohangonj Upazila under Netrakona District. (Project Code-224122100)

02. Administrative Ministry/Division: Ministry of Water Resources (MoWR)

03. Executing Agency : Bangladesh Water Development Board (BWDB).

04. Location of the Project : Haizda embankment in Mohangonj Upazila under Netrakona District.

05. Objective of the Project :

The main objectives of the project are:

- To protect Boro crops of 8000 hectare cultivable land and valuable properties of Mohangonj Upazila from the early flood of the Kangsha and Dhanu river.
- The long term objective of the project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Mohangonj Upazila inclusive safeguard of the other infrastructures located in and around the project area.
- Another important objective of the project is to reduce the natural environmental degradations as well as deleterious socio economic impacts due to early flood in the project area. Boro crops of the Haor area with approximate Tk, 179.68 crore per year are expected to be saved through proper execution of the project.
- To alleviate poverty and generate employment opportunities of 3.70 lakh mandays.

06 Estimated Cost

(In Lakh Taka)

	Original	Latest Revised
(a) Total	4699.41	-
(b) Taka	4699.41	-
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. Date of Approval

PCP

PP

(a) Original : - 22-10-2017

(b) Latest Revised : -

08. Implementation Period:

	Date of Commencement	Date of Completion
(a) Original	March/2017	June/2019
(b) 1 st No Cost Time Extension	March/2017	June/2020
(b) Latest Revised (2 nd No Cost Time Extension)	March/2017	June/2021
(c) Actual	March/2017	June/2021

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
4699.41	-	4699.41	-

9.2 Utilization of Project Aid: (source wise)**(In Million)**

Source (s)	Total amount		Actual expenditure		Unutilized Amount	
	In US\$	In Local currency	In US\$	In Local currency	In US\$	In Local currency
1	2	3	4	5	6	7
Not applicable						

9.3 Reimbursable Project Aid (RPA):**(In lakh Taka)**

R P A Amount		Amount Spent	Amount Claimed	Amount reimbursed	Remarks
As per PP	As per Agreement				
1	2	3	4	5	6
Not applicable					

B. IMPLEMENTATION POSITION**01. Implementation Period:**

Implementation Period as per DPP		Actual Implementation Period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
March/2017 to June/2019 (28 Months)	March/2017 to June/2021 (52 Months)	March/2017 to June/2021	85.71 %	Due to specified construction material unavailability & covid-19 pandemic situation.

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	4699.41	4699.41	3964.96	--	Didn't over-run.
TAKA	4699.41	4699.41	3964.96		
PA	--	--	--		

03. Project Personnel:

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

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

There were no provisions of training or workshop of the project personnel's under 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					

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

(In lakh Taka)

Items of work (as per PP)	Unit	Target (as per RDPP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
(a) Capital Component						
4800 Supplies & Services						
4823 Petrol and Lubricant	L.S.	5.00	1 item	5.00	1 item	
4827 Printing and publication	L.S.	1.50	1 item	1.48	1 item	
4828 Office Stationery, Seal & Stamps	L.S.	2.00	1 item	2.11	1 item	
4883 Honorarium for different committee	L.S.	5.00	1 item	4.88	1 item	
4883 Mid Term Project Evaluation	L.S.	4.00	1 item	4.00	1 item	
4900 Repair, Maintenance & Rehabilitation						
4901 Repair of Transport and Vehicles (2 nos. jeep, 3 nos. Motor cycle)	L.S.	2.50	1 item	2.50	1 item	
4923 Maintenance of office building, rest house and colony	L.S.	15.00	1 item	14.95	1 item	
Sub-Total : Revenue Component	35.00	35.00		34.92		
(b) Capital Component						
6800 Acquisition Assets						
6807 Motorcycles, 100-125 cc including registration- 1 no.	Nos.	1.25	1	1.24	1	
6807 Mitsubishi Pajero Jeep (5 door), 2400-2800 cc with Govt. taxes- 1 no.	Nos.	75.00	1	-	-	
6815 Brand computer with laser printer	Nos. set	0.80	1	0.80	1	
6845 Afforestation of Haizda Embankment Coros Trees	L.S.	20.00	1 item	9.86	1 item	
7000 Constructution of works						
7081 Strengthening of Vulnerable locations Haizda embankment (total length: 5300m) (Earthwork- 162222.00 cum, CC block-846461 nos.)	Meter	4102.36	5300 m	3565.84	5300 m	BIWTA completed dredging work in the Kongsho river and dredged spoil earth was dumped along the alignment of the

Items of work (as per PP)	Unit	Target (as per RDPP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
						embankment. As a result, height of the GL was increased & slope length was reduced. So lesser amount of CC block was required.
7081 Bank protective work along the right bank of Dhanu river at Gaglajur bazar and Mandarbari (300m)	Meter	450.00	300 m	352.30	300 m	
Sub-Total : Capital Component	4649.41	4649.41		3930.04		
Total cost (a+b)	4684.41	4684.41		3964.96		
(c) Physical Contingency (Lump Sum)		10.00		-		
(d) Price Contingency(Lump Sum)		5.00		-		
Grand Total (a+b+c+d) =	4699.41	4699.41	100.00%	3964.96	98.5%	

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 Shafiqul Haque Superintending Engineer Mymensingh O & M Circle BWDB,Mymensingh Scale: 50000-71200(Grade-4)	Full time	-	Yes	31.10.2017	04.03.2020	-
Md. Shajahan Siraj Superintending Engineer Mymensingh O & M Circle BWDB,Mymensingh Scale: 50000-71200 (Grade-4)	Full time	-	Yes	05.03.2020	Till date	-

07.Procurement of Transport (In Nos.):

Type of transport	Number as per DPP	Procured with date	Transferred to Transport Pool with date	Transferred to O&M with date	Condemned/ damaged with date	Remarks
1	2	3	4	5	6	7
Motor Cycle	1 nos	30.06.20	-	01..07.2021	-	Being used by concern Sectional Officer for future O&M of the project.

08. Procurement of Goods, Works and Consultancy Services:

08.1 Goods & Works of the Project costing above Tk. 200.00 lakh and Consultancy above Tk. 100.00 lakh

Description of procurement (goods/works/consultancy as per bid document)	Tender/Bid/Proposal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/ services and supply of goods	
	As per DPP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km.11.300 to km. 11.500 & km. 12.100 to km. 12.350.under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19 Package No- W-1/Haizda (Tender ID-159503)	335.92	303.35	31.01.18	08.07.18	30.05.19	20.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km.21.200 to km. 21.740 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-2/Haizda (Tender ID-159731)	311.35	300.13	31.01.18	08.07.18	30.05.19	20.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km. 21.740 to km. 22.280 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-3/Haizda (Tender ID-159733).	402.25	362.62	31.01.18	08.07.18	30.05.19	20.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km. 22.280 to km. 22.820 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-4/Haizda (Tender ID-159734)	486.66	470.74	31.01.18	08.07.18	30.05.19	22.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km. 22.820 to km. 23.360 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-5/Haizda (Tender ID-159739)	486.66	470.68	31.01.18	08.07.18	30.05.19	30.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km. 23.360 to km. 23.900 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-6/Haizda (Tender ID-159735)	486.66	485.58	05.02.18	08.07.18	30.05.19	25.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km. 24.440 to km. 24.980 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-7/Haizda (Tender ID-159742)	418.29	559.91	05.02.18	10.07.18	22.04.19	30.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km. 23.900 to km. 24.440 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-8/Haizda (Tender ID-159740)	402.76	385.87	05.02.18	08.07.18	30.05.19	22.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km. 24.980 to km. 25.500 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-9/Haizda (Tender ID-159745)	388.84	349.95	19.02.18	08.07.18	30.05.19	20.04.21
Strengthening of Vulnerable location of embankment of Haizda embankment Sub-Project from km. 35.700 to km. 35.900 & km. 36.500 to km. 36.850 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19. Package No- W-10/Haizda (Tender ID-182403)	382.97	382.89	08.04.18	11.07.18	31.05.19	31.05.19
Maintenance of Office building Rest House and Colony Package No- W-11/Haizda (Tender ID-209968)	15.00	13.50	28.06.18	22.07.18	31.05.19	31.05.19
Bank Protective work along the left bank of Dhonu river	450.00	427.50	08.04.18	03.07.18	31.05.19	30.04.21

Description of procurement (goods/works/consultancy as per bid document)	Tender/Bid/Proposal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/ services and supply of goods	
	As per DPP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
at Gaglajur Bazra and mandarbari area from km.0.000 to km. 0.300 under Netrokona O & M Division BWDB Netrokona during the FY 2017-18 & 2018-19.19. Package No- W-12/Haizda (Tender ID-182404)						

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 :	No provision of deploying consultant in this project.			
b) Local :				

09. Construction/Erection/Installation Tools & Equipment:

Descriptions of items	Quantity (as per DPP)	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
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 RDPP			
	Total	Taka	P.A	Physical%	Total	Taka	P.A	Physical%
1	2	3	4	5	6	7	8	9
2016-17	200.00	200.00	--	4.26%	-	-	-	-
2017-18	2674.50	2674.50	--	56.91%	-	-	-	-
2018-19	1824.91	1824.91	--	38.83%	-	-	-	-
2019-20	-	-	--	-	-	-	-	-
2020-21	-	-	--	-	-	-	-	-
Total	4699.41	4699.41	--	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									
2016-17	-	-	--		-	-	-	--	-
2017-18	5.00	5.00	--	0.11%	3.00	2.71	2.71	--	0.03%
2018-19	1500.00	1500.00	--	47.50%	1500.00	1340.20	1340.20	--	47.50%
2019-20	1000.00	1000.00	--	24.39%	1000.00	912.26	912.26	--	24.47%
2020-21	2119.00	2119.00	--	28.00%	2118.75	1709.79	1709.79	--	26.50%
Total	4624.00	4624.00	--	100.00%	4621.75	3964.96	3964.96	--	98.50%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any
➤ To protect Boro crops of 8000 hectare cultivable land and valuable properties of Mohangonj Upazila from the early flood of the Kangsha and Dhanu River. ➤ The long term objective of the project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Mohangonj Upazila inclusive safeguard of the other infrastructures located in and around the project area. ➤ Another important objective of the project is to reduce the natural environmental degradations as well as deleterious socio economic impacts due to early flood in the project area. Boro crops of the Haor area with approximate tk, 179.68 crore per year are expected to be saved through proper execution of the project. ➤ To alleviate poverty and generate employment opportunities of 3.70 lakh mandays.	➤ By strengthening of 5300 m length on vulnerable locations of Haizda embankment, 8000 hectare cultivable land of Boro crops and other valuable properties is protected from pre-monsoon flash flood on the Kangsha and Dhanu River. ➤ Bank protection work of 300 m and strengthening of 5300 m Haizda embankment have prevented water from entering into agricultural land. As a result, Boro crops and other valuable infrastructural properties are protected which has improved socio economic impacts on Mohangonj Upazila. ➤ 300 m bank protection work along the right bank of Dhanu River at Gaglajur bazar and Mandarbari has improved the situation on pre-monsoon flood in the project area. ➤ Many skilled and unskilled manpower has been employed to complete this project which has helped in reduction of poverty of the project area.	No Shortfall.

E. BENEFIT ANALYSIS

01. Annual Out-put:

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-put during the 1st year of operation at full capacity (or during, real production for newly completed project).
(a) Boro rice cultivated in 8000 ha	MT	46800.00	46800.00
(b) Potato	MT	20.50	20.50
(c) Peas/Pulses	MT	15.00	15.00
(d) Seed/ oil	MT	15.00	15.00
(e) Vegetables	MT	150.00	150.00
(f) Homestead	No.	2500.00	2500.00
(g) Growth Center	No.	85.00	85.00
(h) School/ Madrasha	No.	50.00	50.00

02. Cost/Benefit:

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	1.32: 1.00	Will be evaluated later by concern directorate of BWDB& IMED.
(ii) Economic	1.75: 1.00	
(2) Internal Rate of Return		
(i) Financial	22.37%	
(ii) Economic	27.27%	

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: Mid-term evaluation committee consisting of 10 members. 1. Mr. Md. Rokon Ud-Doula Addl. Secretary (Development) 2. Mr. S. M. Rezaul Mostofa Kama Joint Chief, MoWR. 3. Mr. Md. Enamul Haque, Joint Chief, Planning Commission. 4. Mrs. Dipanwita Saha Deputy Chief-1, MoWR. 5. Mr. Nazmul Islam Bhuiyan Deputy Secretary, MoWR 6. Mr. Mohammad Aktaruzzaman Project Director, 7. Mr. Mohammad Aktaruzzaman Executive Engineer, Netrakona O&M Division, BWDB, Netrakona 8. Senior Assistant Chief 9. Khairun Nahar Deputy Secretary, MoWR.	14.04.2018 to 15.04.2018	No Problem was identified during the execution of the Project.	All instructed to expedite the progress to complete the project in stipulated time.
(b) IMED: 1. Mr. Md. Afzol Hossain, DG, IMED	26.02.2021		
(c) Montu kumar Bishwas Joint Chief, MoWR	31.01.2020 to 01.20.2020	No Problem was identified during the execution of the Project.	Instructed to complete the project in time.
(c) Others : (Please specify) 1. Mr. Md. Rokon Ud-Doula, Additional Secretary, MoWR	26.02.2021	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 was conducted.

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

Audit Period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not
1	2	3	4
2018-19	06.01.2020	1. In case of protective work, additional numbers of C.C. block is considered than original numbers of C.C. blocks counted by Task Force and additional bill of Tk. 65, 47,616 is paid to the contractors. 2. 20530 nos of C.C. blocks is used additionally and extra bill is paid to the contractors.	1. Audit objection is replied. 2. Audit objection is replied.

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project:

1.1 Background:

The proposed project is located at Mohangonj upazila under Netrokona district. It is bounded by the River Baulain the South and Kansha in North East side. The Haizda Embankment Sub- Project was completed in 1992-93 under financed by Asian Development Bank and Bangladesh Government With The objectives of the improvement of the drainage facilities and to protect Boro crops of the Haor areas of the Netrokona district. The Gross area of the project is 9250 hector and benefited area is 8000 hector. Due to improvement of the Haizda Embankment sub- project the stake holders of the project area were greatly benefited. The project area consists two type of cropping season such as Boro crops season, when the agricultural land become free flood water (January to April) and non-crops season, when the agriculture land remains under flood water (May to December). Generally Boro is the only one crop in the haor area, before implementation the stake holders of the project area were not enjoy this Boro crops in every year, but due to implementation of Haizda embankment sub-project the Boro rice production as well as cropping intensity in the target area were highly increased. Major Economic activities of the project area depend on agriculture. Now, this agricultural sector enriched with 1-2 times of Boro rice cultivation, Robi crops in winter, vegetables cultivation as well as home gardening vegetables. Peoples participation in agriculture, especially women participation is also highly appreciable. The area is rich in fish resources. During monsoon, the landless population depends solely on fishing for their livelihood. Navigational transportation could be termed as a lifeline of the project area. It is an essential part of the social and economic activities of the area without which it would be impossible for the project population to carry out on even their day-to day activities. Over the last 40 years, it is experienced that due to instability and the sedimentation problems of the channel in and around the project areas as well as breaches of embankment at different locations due to erosion/ wave causing damages of Boro crops. These problems have led to increased pre-monsoon flood damage, deterioration river navigation and loss of valuable lands and infrastructures due to the river bank erosion/wave action. Because of morphological changes, river of the project area are flowing in meandering nature. Damages of Boro crops occurred almost every year due to overtopping and breach of the embankment during flash flood in and around the haor area In such situation Honorable Member of the parliament of Mohangonj, Khaliajuri and Madan constituency requested the Honorable prime Minister, Peoples Republic of Bangladesh through DO Letter to take necessary measures to solve the problem. In continuation of the request, prime minister's office instructed Ministry of water Resources (MOWR) vide memo no.03.071.018.42.00.005.2010-176(2) dated 27/04/2011 for necessary action. Accordingly the DPP was prepared.

1.2 Justification/Adequacy:

With High population density, poor resource base and vulnerability to natural disasters, Bangladesh is one of the poorest countries in the world. GDP per capita of the country is approximately US\$ 370. Although the national over the declined from 58.80% to 49.80% over the period 1991-92 2000 (PRSP. 2003), it is still a long way to meet the basic needs of the people. Income differentials between the poor and the poorest are important aspects in poverty reduction in Bangladesh. At least about 45% poor population currently subsists in extreme poverty. Rural population is more poor (53%) than the urban

(36.60%). Significant gender disparity also exists in income poverty. For rapid poverty reduction, GoB's priority to develop the rural areas where most of the poor people live in. This requires accelerated growth in agriculture and rural nonfarm sector. Development in water Resources by improving irrigation, flood control and drainage improvement has played significant roles in increasing rural production and food security. The major problems responsible for poverty included high level of landlessness, unemployment, illiteracy, and malnutrition. Although the conditions in some areas are less gloomy than in others, the project area as a whole is no exception to the situation. Despite considerable amount of investment in various sectoral developments and apparent rise in per capita GDP, the country is still characterized by disaster vulnerability and prevalent poverty. In view of the country's global commitments i.e. Millennium Development Goals (MDG) and Partnership Agreement on poverty Reduction (PAPR), the govt. has been obliged to prepare a Poverty Reducing Strategy (PRS). The goal of reducing income-poverty level to half by 2015, for instance, would require significant intensive efforts. As an action plan under stated objectives for poverty reduction, proposal comprehensive project programme has been considered for implementation for sustaining regional national economic growth.

1.3.1 Objectives:

- To protect Boro crops of 8000 hectare cultivable land and valuable properties of Mohangonj Upazila from the early flood of the Kangsha and Dhanuriver.
- The long term objective of the project is to sustain socio-economic enhancement and safety of natural security in vast tract of area under Mohangonj Upazila inclusive safeguard of the other infrastructures located in and around the project area.
- Another important objective of the project is to reduce the natural environmental degradations as well as deleterious socio economic impacts due to early flood in the project area. Boro crops of the Haor area with approximate tk, 179.68 crore per year are expected to be saved through proper execution of the project.
- To alleviate poverty and generate employment opportunities of 3.70 lakh mandays.

1.4 Project revision with reasons: No revision was required.

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

Bangladesh is a densely populated country with poor natural resources base, lack of industrialization and vulnerability of natural disaster like flood, cyclone etc. made Bangladesh as one of the poorest country of the world. The major problems responsible for poverty include high level of landless, unemployment, illiteracy and malnutrition. The population area of the project is very dense (about 750 per square km.) and landless population is about 30%. Socio-economic development of the people through agricultural development is the main objective to alleviate poverty of the area. The proposed intervention has very little impacts or no negative impacts in an around area. The project will create new employment to the construction work, mitigate the damages of the Boro crops due to flash flood.

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

◆ Project Identification:

The project was initially identified by local politicians, local elites, etc. Those stakeholders earnestly requested the Honorable Member of Parliament (Mohangonj Modan Khaliajuri) and then PS-1 of Hon'ble Prime Minister addressing the problem of drainage, water logging and flood control of Mohangonj Upazilla. In such situation Honorable Member of the parliament of Mohangonj, Khaliajuri and Madan constituency requested the Honorable Prime Minister, Peoples Republic of Bangladesh through DO Letter to take necessary measures to solve the problem. In continuation of the request, prime minister's office instructed Ministry of water Resources (MOWR) to take necessary action.

◆ Project Preparation:

The site was visited by the Hon'ble Member of Parliament Begum Rebecca Momin (Mohangonj Modan Khaliajuri) and PS-1 of Hon'ble Prime Minister (Now Hon'ble secretary of Prime Minister Office), Hon'ble Director General of BWDB and instructed to take necessary action to reduce the threat of flood and improve drainage facility of

Mohangonj Municipal area. Later on, a Technical Committee was formed by BWDB. On the basis of Technical Report submitted by Committee, the project was prepared.

- ◆ **Appraisal:** PEC meeting was held on 09/01/2017 in Planning Commission.
 - ◆ **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 22 October, 2017 by Honorable Minister, Ministry of Planning.
 - ◆ **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 programmed 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:**
- Natural environmental degradations as well as deteriorated socio economic impacts due to flash flood in the project area is improved.
 - Damages of Boro crops in the project area are saved through proper execution of the project.
 - Internal communication facility of Mohangonj Upazila is improved;
 - Various numbers of school and madrasa are saved from river bank erosion.
- 4.4.2 Indirect:**
- Sustainable socio-economic enhancement.
 - Enhancement of local employment.
 - Enhancement of ecosystem and biodiversity.
- 4.5 Transfer of Technology and Institutional Building through the project:** Not Applicable.
- 4.6 Employment generation through the project:**
Yes. Employment generation for skilled/unskilled during construction period is more than 1 lakh man-days.
- 4.7 Possibility of Self-employment:**
There are possibilities of self-employment as existing commercial & business centers are protected.
- 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:**

By protecting the river bank erosion and strengthening of embankment, the threat on the living community of being landless and homeless will be eradicated and henceforth the local business will be flourished in full swing. As a result the socio economic life will be revived ensuring a sustainable growth.

4.11 Impact on environment:

Environmental enhancement is achieved through the implementation of the Project. Bank erosion hazards of environment are eradicated and strengthening of embankment has ensured the safety of local community as well as to boost up the flow capacity of river.

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) Agricultural development of the project area is ensured by removing the effect of flush flood,
- (b) Reduction of vulnerability to river erosion,
- (c) Growth of local business on the strengthened Haizda embankment.

4.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, and 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: N/A

5.11 Design formulation/approval: N/A

5.2 Project Director: N/A

5.12 Project aid disbursement and re-imbursement:
N/A

5.3 Land Acquisition: N/A

5.13 Mission of the development partners: N/A

5.4 Procurement:

5.14 Time & Cost Over-run:

During FY 2018-19, contractors couldn't maintain supply chain of enough shingles due to price hike. As a result the project work got delayed. As the price kept rising so that later stone chips were allowed to use maintaining proper administrative protocols.

Due to reason mentioned in 5.4, the project couldn't be completed within June 2019. The project couldn't be completed within FY2019-20 due to break out of Covid-19 in Bangladesh.

5.5 Consultancy: N/A

5.15 Project Supervision/Inspection: N/A

5.6 Contractor:
One contract had to be cancelled due to dissatisfactory progress.

5.16 Delay in Decision: N/A

5.7 Manpower: N/A

5.17 Transport: N/A

5.8 Law & Order: N/A

5.18 Training: N/A

5.9 Natural calamity:

5.19 Approval: N/A

Due to pre-monsoon flash flood on haor area, each year only 4 months could be

used for project implementation.

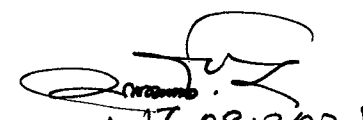
5.10 Project financing, allocation and release: 5.20 Others: N/A

N/A

6. Remarks & Recommendations of the Project Director:

This project is located at Mohangonj upazila under Netrokona district. It is bounded by the River Baulai in the South and Kansha in North East side. The Haizda Embankment Sub- Project was completed in 1992-93 under financed by Asian Development Bank and Bangladesh Government with The objectives of the improvement of the drainage facilities and to protect Boro crops of the Haor areas of the Netrokona district. Almost 8000 hectares areas are benefited by implementing this project. Due to implementation of Haizda embankment project, boro production and cropping intensity in the target area is highly increased. The stakeholders of this project area depend on agriculture for major economic activities. Due to successfully implementation of this project, this agriculture sector enriched with Boro rice cultivation, Robi crops in winter and vegetables cultivation. River bank protection at Gaglajur bazar and Mandarbari has justified in saving the living community from the fierceness of river erosion. Also the risk of adjacent area being engulfed with water during the monsoon period is now eliminated. The accomplished project will help to reduce the poverty by flourishing the local business and creating self-employment in local bazar. The adverse effect of climate change is mitigated through the conservation of sustainable terrestrial ecosystem. Thus the implementation of this project endorses a strong positive impact on socio economic life by fulfilling the goals 1, 5 and 6 of Sustainable Development Goals (SDG) set by United Nations Development Programme. The project has been implemented under rigorous monitoring & supervision. BWDB Taskforce committee has ensured quality & quantity of used cc blocks in the project. Several high officials including Honorable Minister, Ministry of Water Resources have visited the project during implementation period & expressed their satisfaction about the implementing works. So, objective & output wise, it is a successful project of BWDB. Periodic maintenance work will be needed from revenue budget to make the project sustainable for long run.

Date:.....


17-08-2021
(Md. Shajahan Siraj)
Project Director

&
Superintending Engineer
Mymensingh O & M Circle
BWDB, Mymensingh.

7. Remarks/Comments of Agency Head

After implementation of this project, by strengthening of 5300m length on vulnerable locations of Haizda embankment & protecting 300m riverbank, 8000 hectares cultivable land of Boro crops and other valuable properties are protected from pre-monsoon flash flood on the Kangsha and Dhara River. As a result, Boro crops and other valuable infrastructures are protected which has improved socio-economic condition on Mohanganj Upazilla of Netrokona District. As haor area remains inundated most of the time of the year, only 4 months could be used for project implementation. So the project took a longer time than originally scheduled meeting all the challenges & Covid-19 conditions.

Date:

 07/02/2022

(FAZLUR RASHID)
Director General
BWDB, Dhaka.

Signature and Seal

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

Date:

Signature and Seal

