

BANGLADESH WATER DEVELOPMENT BOARD



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

Name of the Project: Protection of Ramgati and Kamal Nagar upazila and adjacent areas under Lakshmipur district from the continuing erosion of Meghna River (Phase-1) (2nd Revised)

PROJECT PERIOD: JULY 2014 TO JUNE 2021.

DIVISION : LAKSHMIPUR O&M DIVISION, BWDB, LAKSHMIPUR.
CIRCLE : FENI O&M CIRCLE, BWDB, FENI.
ZONE : EASTERN ZONE, BWDB, CUMILLA.

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

PROJECT COMPLETION REPORT: IMED 04/2003 (REVISED)

A. PROJECT DESCRIPTION:

- 01. Name of Project** : Protection of Ramgati and Komol Nagar upazila and adjacent areas under Lakshmipur district from the continuing erosion of Meghna River (Phase-1) (2nd Revised).
- 02. Administrative Ministry/ Division** : Ministry of Water Resources (MoWR)
- 03. Executing Agency** : Bangladesh Water Development Board (BWDB).
- 04. Location of the Project** : Upazila – Ramgati & KamalNagar, District- Lakshmipur.
- 05. Object of the Project** :

The overall objective of the project for all the phases are:

- ❖ The main objective of the project is to protect the bank erosion and continuing shifting of the bank line which is about 250-300 m per year due to wave thrust eddy current and whirl action of the river towards the pre-existing BWDB polder's viz. polder 59/2 & 59/2 (extension) and safe guard the project area spreaded over the two upazila Ramgati & Komol Nagar under Lakshmipur district which includes agricultural land, homestead, market, school, college, madrasa as well as different Govt. and Non-Govt. infrastructure and road communication etc. from devastating erosion.
- ❖ The long-term objective of the project is to sustain socio-economic uplift and provide safety of the population and natural resources as well as create environmental enhancement to 15,000.00 hectares area in the upazila Ramgati & Komol Nagar.
- ❖ It is anticipated that implementation of proposed project including all 3 phases will save the immovable and movable properties with approximate financial value of Tk.666590.00 lakh including annual crops of approximately 65169.00 M. Tons within the polder 59/2 ,59/2 (extension) area.

06. Estimated Cost:

	Original	1 st Revised	Latest Revised (2 nd)
a) Total	19802.04	20241.46	24518.90
b) Taka	19802.04	20241.46	24518.90
c) Foreign Currency	-	-	-
d) Project Aid	-	-	-
e) RPA	-	-	-

07. Date of Approval :

PCP	PP
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- a) Original : 28-08-2014
- b) Revised (1st) : 17-04-2016
- c) Revised (2nd) : 16-04-2019
- d) No cost time extension: 25-05-2021

08. Implementation period :

	Date of Commencement	Date of Completion
a) Original	July, 2014	June, 2017
b) 1 st Revised	July, 2014	June, 2018
c) 2 nd Revised	July, 2014	June, 2020
d) No cost time extension	July, 2014	June, 2021
e) Actual	July, 2014	June, 2021

09. Financial Agreement (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	
1	2	3	4	5	6	7	8

..... N. A.....

b) GOB:

Total Amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
24518.90	-	24518.90	-

(In Lakh Taka)

9.2 Utilization of Project Aid: (Source wise)

	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

..... N/A.....

9.3 Reimbursable Project Aid (RPA)

RPA Amount		Amount Spent	Amount claimed	Amount Reimbursed	Remarks.
As Per DPP	As per Agreement				
1	2	3	4	5	6

..... N/A.....

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
July/2014 to June/2017	July/2014 to June/2021	July/2014 to June/2021	133.33%	During implementation period, some executed works got damaged. On 2 nd revision, scope of work increased due to inclusions of new works. The 2 nd RDPP was approved on April, 2019. Due to Covid-19 pandemic breakout, the newly added work couldn't be completed in time. All of there, resulted in a huge time over run compared to originally approved DPP.

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	19802.04	24518.90	23732.64	19.85%	Due to change in design after project approval, the DPP needed revision in compliance with change in rate schedule. To accommodate that in RDPP, project cost had been increased. On 2 nd RDPP, scope of works increased due to inclusion of new works. All of these factors, resulted in a cost over run compared to originally approved DPP.
Taka	19802.04	24518.90	23732.64		
PA	-	-	-	-	

03. Project Personnel: Project work has been completed by the existing manpower of Laxmipur O&M Division, BWDB, Laxmipur.

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)	Existing manpower of the implementing agency were deployed during execution of the project.					
Staff(s)						
Total						

..... Nil.....

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

Field of Training /Study tour/work shop/ Seminar etc.	Provision as per PP		Actual		Remarks.
	Number of Person	Man- months	Number of Person	Man months	
1	2	3	4	5	6

a) Foreign Nil.....

b) Local Nil.....

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

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
(A) Revenue Component:						
Supplies and Services:						
Mathematical Modeling (Monitoring for adaptive measure)	1 item	100.00	1 item	-	1 item	Dredging of char land had been omitted so that it was not required.
Gas & Fuel	1 item	5.00	1 item	5.00	1 item	
Petrol & Lubricant	1 item	15.00	1 item	15.00	1 item	
Advertising & Publicity	1 item	6.00	1 item	6.00	1 item	
Stationery, Seal & Stamps	1 item	5.98	1 item	5.98	1 item	
Honorarium/Fees/Remuneration (for Different Committee).	1 item	5.00	1 item	5.00	1 item	
Honorarium/Fees/Remuneration (for Mid Term Evaluation)	1 item	8.00	1 item	8.00	1 item	
Dissemination Workshop	1 item	5.00	1 item	0.00	1 item	
Survey & Investigation	1 item	15.00	1 item	14.99	1 item	
Repair, maintenance & rehabilitation						
Vehicle & Motor Cycle	1 item	12.00	1 item	11.99	1 item	
Repair & maintenance of existing revetment works on the left bank of Meghna river from Km.122.800 to Km.122.917= 0.117 Km. and River Bank Protection on the left bank of Meghna river from km. 167.180 to km. 167.300=0.120 km. in Komol Nagar (Komol Nagar, Motirhat) under Lakshmipur District	meter	300.09	237 meter	300.09	237 meter	
Sub-total Revenue Component (A) :		477.07		372.05		

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
(B) Capital Component:						
long wheel base Jeep (2300CC-2500CC)	nos	70.86	1	70.86	1	
Pick-up - (2300cc to 2500cc)	nos	48.09	1	48.09	1	
Motor Cycle (125 CC)	nos	3.13	2	3.13	2	
Photocopier (Cannon)	nos	3.20	2	3.20	2	
Leveling Instrument with Staff (Pentex)	nos	6.00	4	6.00	4	
Digital GPS (Garmin)	nos	0.70	2	0.70	2	
Computer with Laser Printer with Accessories (Desktop 3 No. + Laptop 1 No.)	nos	3.97	4	3.97	4	
Office Furniture	1 item	14.98	L.S	14.98	L.S	
Construction of works:						
Construction Cost for Divisional Office Building and Inspection Banglo (IB) & maintenance of old division building under Lakshmipur O&M Division, BWDB, Lakshmipur. (1 Item)	1 item	190.08	1 item	190.08	1 item	
a) River Bank Protection works on the left bank of Meghna river from km. 122.917 to km. 123.917 = 1000m. (Location-1) in Ramgati upazilla under Lakshmipur District.	km	2938.50	1 km	2839.51	1 km	
b) River Bank Protection works on the left bank of Meghna river from km. 132.000 to km. 135.370 = 3370m. (Location-2) in Ramgati upazilla under Lakshmipur District	km	10278.53	3.370 km	10278.53	3.370 km	
c) River Bank Protection works on the left bank of Meghna river at Matabbarhat from km. 151.00 to km. 152.00 = 1.00km. (Location-3) .	km	4868.72	1 km	4365.07	1 km	
d) Strengthening work in between km151.00 to km152.00 = 475m in Kamalnagar upazilla under Lakshmipur District.	km	1740.65	0.475 km	1739.58	0.475 km	
Strengthening Protection work from km. 152.00 to km.152.200 = 200m, in c/w "Protection of Ramgoti and Komolnagar upazila and adjacent areas under Lakshmipur district from the continuing erosion of Meghna river (Phase-1)" in upazila Komolnagar District: Lakshmipur under Lakshmipur O&M Division, BWDB, Lakshmipur during the year 2017-2018 (Location-03).	km	1352.00	0.200 km	1350.69	0.200 km	

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
Precautionary protection work with future strengthening to prevent bank shifting from km-152.200-152.600 = 400m. in c/w "Protection of Ramgoti and Komol Nagar upazila and adjacent areas under Lakshmipur district from the continuing erosion of Meghna river (Phase-1)" in upazila KamalNagar District: Lakshmipur under Lakshmipur O&M Division, BWDB, Lakshmipur during the year 2017-2018 (Location-03)	km	272.69	0.400 km	272.69	0.400 km	
River Bank Protection works on the left bank of Meghna river from km. 135.500 to km. 136.200 = 700M.(U/S of Location-2)	km	2249.73	0.700 km	2173.51	0.700 km	
Sub-total Capital Component (B) :		24041.83		23360.59		
Total (A+B) :		24518.90	100.00%	23732.64	100.00%	

06. 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
Md. Mosaddek Hossain, Chief Engineer, Eastern Zone, BWDB, Cumilla. 66,000-76,490/-	Full	-	Yes	18/06/2015	23/07/2017	
Babul Chandra Shil, Chief Engineer, Eastern Zone, BWDB, Cumilla. 66,000-76,490/-	Full	-	Yes	12/09/2017	14/02/2019	
Zahir Uddin Ahmed, Chief Engineer, Eastern Zone, BWDB, Cumilla. 66,000-76,490/-	Full	-	Yes	14/02/2019	26/09/2021	

07. Procurement of Transport (in nos.):

Type of Transport	Number as per DPP	Procured with date	Transfere d to Transport Pool with date	Transferred to O&M with date	Condem ned/ damaged with date	Remarks.
1	2	3	4	5	6	7
Motor Cycle	2 no	22/08/2016	-	Laxmipur O&M Division, BWDB, Laxmipur 22/08/2016	-	Being used by two Sub-Assistant Engineers for future inspection and maintenance of the project. (Lakshmipur-Ha-11-4895, Lakshmipur-Ha-11-4899)
Pick Up	1 no	15/06/15	-	Laxmipur O&M Division, BWDB, -Laxmipur 15/06/15	-	Being used by Executive Engineer for future inspection and maintenance of the project. (Lakshmipur-THa-11- 0017)

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.
Long Wheel Base Jeep	1 no	28/05/15	-	Cumilla O&M Circle, BWDB, Cumilla 29/06/2015	-	Being used by Superintending Engineer for future inspection and maintenance of the project. (Cumilla-GH-11-0121)

08. Procurement of Goods, Works and Consultancy Service.

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

Description of procurement (goods/work/consultancy) as per Bid document	Tender/Bid/Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works /services and supply of goods.	
	As per DPP	Contract value	Invitation date	Contract signing/LC opening date	As per contract	Actual
1	2	3	4	5	6	7
River Bank Protective works on the left bank of Meghna River from km. 132.000 to km. 135.500 = 3.500 km. at Char Alexander in upazila- Ramgoti (Location-2), Dist. Lakshmipur of Polder 59/2 under Lakshmipur O&M Division, BWDB, Lakshmipur during the year 2014-15. (Package No. Lax/ADP/DPM/W-01/2014-15).	Original 100.42 1 st Revised 105.66 2 nd Revised 102.79	102.79	01-02-2015	19-04-15	30-06-2017	30-06-2017
Construction of Lakshmipur O&M Divisional Office Building (1st Floor) and Inspection Banglow (2nd Floor) including allied works in c/w "Protection of Ramgati and Kamal Nagar upazilla and adjacent areas under Lakshmipur District from the continuing erosion of Meghna river (Phase-1)" Project under Lakshmipur O&M Division, BWDB, Lakshmipur during the year 2015-2016 (Package No. Lax/ADP/OTM/W-01/2015-16).	Original 2.35 1 st Revised 2.35 2 nd Revised 2.25 Inter Item Cost Adjustment 1.90	2.07	01-02-2015	19-04-15	30-06-2017	30-06-2017
River Bank Protective works on the left bank of Meghna River- from km. 122.917 to km.123.917 = 1.00 km at Ramgoti in Upazilla- Ramgoti (Location-01), and Repair & Maintenance of River Bank Protective work on the left bank of Meghna River from km. 122.800 to km.122.917= 0.117 km at Ramgoti fish ghat, Upazilla: Ramgoti, District- Lakshmipur of Polder 59/2 in c/w "Protection of Ramgoti and Kamal Nagar upazilla and adjacent areas under Lakshmipur district from the continuing erosion of Meghna river (Phase-1)" project under Lakshmipur O&M Division, BWDB, Lakshmipur during the year 2015-2016 (Package No. Lax/W-02/2015-16).	1 st Revised 32.13 2 nd Revised 32.47 Inter Item Cost Adjustment 29.38	30.58	10-04-2016	10-05-2016	30-04-18 30-06-18 30-04-21 30-06-21	30-06-21

Description of procurement (goods/work/consultancy) as per Bid document	Tender/Bid/ Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works /services and supply of goods.	
	As per DPP	Contract value	Invitation date	Contract signing/LC opening date	As per contract	Actual
River Bank Protective works on the left bank of Meghna River-(1) from km. 151.000 to km.152.000 = 1.00 km at Matobbar Hat in Upazila- Komal Nagar (Location-03), (2) Repair & Maintenance of River Bank Protection work from km. 167.180 to km.167.300 at Motir Hat in Upazila komal Nagar District- Lakshmipur of Polder 59/2 in c/w "Protection of	Original 47.60 1 st Revised 48.12 2 nd Revised 64.30	48.11	02-05-2016	05/06/2016	30-04-18	
Ramgoti and Kamal Nagar upazila and adjacent areas under Lakshmipur district from the continuing erosion of Meghna river (Phase-1)" project under Lakshmipur O&M Division, BWDB, Lakshmipur during the year 2015-2016 (Package No. Lax/W-03/2015-16).	Inter Item Cost Adjustm ent 48.69				30-06-18 20-05-2020 30-11-2020	30-11-2020
Strengthening protection work from k.m. 151.020 to k.m.151.170=150m, k.m.151.455 to k.m.151.495=40m, k.m.151.715 to k.m.152.000=285m, total = 475m, in c/w "Protection of Ramgoti and Komalnagar upazila and adjacent areas under Lakshmipur district from the continuing erosion of Meghna river (phase-1)" in Upazila Komalnagar District: Lakshmipur under Lakshmipuro&m division, BWDB, Lakshmipur during the year 2017-2018 (location-03) (Package no. Lax/w-03/2015-16/1, ID-335402).	2 nd Revised 17.59	17.41	19-06-2019	18/08/2019	30-06-20	30-06-21
Strengthening Protection work from km. 152.00 to km. 152.200 = 200m in c/w Protection of Ramgoti and Kamal Nagar upazila and adjacent areas under Lakshmipur district from the continuing erosion of Meghna river Phase-1 Project in Upazila KomolNagar District lakshmipur under Lakshmipur O & M Division BWDB Lakshmipur during the year 2018-2019. (Package no. Lax/w-02/2018-19, ID-341900).	2 nd Revised 13.69	13.52	07-07-2019	18/08/2019	30-06-20	30-06-21
Precautionary protection work with future strengthening to prevent bank shifting from km 152.200 to 152.600 = 400m in c/w Protection of Ramgoti and Kamal Nagar upazila and adjacent areas under Lakshmipur district from the continuing erosion of Meghna river Phase-1 Project in Upazila Kamalnagar District Lakshmipur under Lakshmipur O & M Division BWDB Lakshmipur during the year 2018-2019. (Location-03) (Package no. Lax/w-03/2019-20, ID-369424).	2 nd Revised 2.33 Inter Item Cost Adjustm ent 2.73	2.73	16-10-2019	15/12/2019	30/06/20	30/06/20

Description of procurement (goods/work/consultancy) as per Bid document	Tender/Bid/ Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works /services and supply of goods.	
	As per DPP	Contract value	Invitation date	Contract signing/LC opening date	As per contract	Actual
River Bank Protection works on the left bank of Meghna river from km. 135.500 to km. 136.200 = 700m Upstream of Location-2 at Alexgender in Upazila Ramgoti District-Lakshmipur under Lakshmipur O & M Division BWDB Lakshmipur during the year 2018-2019.(U/S of Location-2) (Package no. Lax/w-01/2018-19, ID-335852).	2 nd Revised 22.71 Inter Item Cost Adjustm ent 22.50	22.23	07/07/19	22/08/19	25/06/20	30/06/21

08.2. Use of Project Consultant (s) (Foreign / Local): No provision of deploying consultant in this project.

Name of the field	Approved man month		Actual man month utilized	Remarks
	As per PP	As per contract.		
1	2	3	4	5

- a) Foreign Nil
- b) Local Nil

09. Construction / Erection / Installation Tools & Equipment:

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

..... N / A.

C. FINANCIAL AND PHYSICAL PROGRAMME:

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

(In Lakh Taka)

Financial year	Financial Provision & Physical target as per original DPP				Financial Provision & Physical target as per latest revised DPP			
	Total	Taka	PA	Physical %	Total	Taka	PA.	Physical %
1	2	3	4	5	6	7	8	9
2014-15	10292.71	10292.71	-	51.98%	5887.08	5887.08	-	24.01%
2015-16	6133.13	6133.13	-	30.97%	4566.42	4566.42	-	18.62%
2016-17	3376.20	3376.20	-	17.05%	4733.88	4733.88	-	19.31%
2017-18	-	-	-	-	2160.47	2160.47	-	8.81%
2018-19	-	-	-	-	4022.63	4022.63	-	16.41%
2019-20	-	-	-	-	3148.42	3148.42	-	12.84%
2020-21	-	-	-	-	-	-	-	-
Total	19802.04	19802.04	-	100.00%	24518.90	24518.90	-	100.00%

01. (b) Revised ADP allocation and progress:

(In Lakh Taka)

Financial year	Revised Allocation & Target				Taka release	Expenditure & physical progress.			
	Total	Taka	P.A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2014-15	6000.00	6000.00	-	24.01%	6000.00	5887.07	5887.07	-	24.01%
2015-16	4573.00	4573.00	-	18.62%	4573.00	4566.42	4566.42	-	18.62%
2016-17	5068.00	5068.00	-	19.31%	5068.00	4733.73	4733.73	-	19.31%
2017-18	2390.00	2390.00	-	8.81%	2340.00	2160.63	2160.63	-	8.81%
2018-19	500.00	500.00	-	0.00%	250.00	81.50	81.50	-	0.33%
2019-20	2015.00	2015.00	-	9.30%	2000.00	1999.85	1999.85	-	8.97%
2020-21	4500.00	4500.00	-	19.95%	4311.98	4303.44	4303.44	-	19.95%
Total	25046.00	25046.00	-	100.00%	24542.98	23732.64	23732.64	-	100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(a) To protect the bank erosion from continuing shifting of the bank line which is about 250-300m per year by wave thrust eddy current and whirl action of the river in the preexisting BWDB polders viz. polder 59/2 & 59/2 (extension).	Objective has been achieved by the implementation of the project..	No shortfall
(b) To protect agriculture land, homestead, Market, School, College as well as different Govt. and Non-Govt. infrastructure and road Communication from devastating erosion of Meghna River under Laxmipur district.	Objective has been achieved by the implementation of the project.	
(c) To maintain river alignment in a sustainable thalweg for sustainable river management.	Protective work has ensured fixed and sustainable river alignment.	
(d) To increase socio-economic development by enhancement natural security against river erosion.	Socio-economic development has been ensured.	
(e) To mitigate environmental impact and ecological imbalance by protection of bank line.	Negative environmental impact has been mitigated and ecological balance has been ensured.	

E. BENEEFIT ANALYSIS :

01. Annual Out-put:

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
Safeguard to river bank erosion:			
Agriculture Land	Ha.	15000.00	15000.00
Per year value of crop which will be saved	Mt	65169.00	65169.00
Hat, Bazar	Nos	15	15
Primary School cum Cyclone Shelter (Two Storied)	Nos	17	17
Upazila Complex/Union Parishad Complex	Nos	3	3
High School	Nos	5	5
Pucca House	Nos	200	200
Tin Shade House	Nos	8000	8000
Union Health Complex	Nos	2	2

02. Cost / Benefit:

Item	Estimated	Actual
(1) Benefit cost of the project		It will be evaluated later by concern directorate of BWDB & IMED.
(i) Financial	1.02:1.00	
(ii) Economic	1.18:1.00	
(2) Internal rate of return		
(i) Financial	12.21%	
(ii) Economic	14.14%	

03. Please give reason for shortfall, if any, between the estimated and actual benefit: No Shortfall.

F. MONITORING AND AUDITING.

01. Monitoring:

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
1	2	3	4
(a) Ministry / Agency :			
Md. Anisul Islam Mahmud, MP Hon'ble Minister, MoWR	23/11/2016	Not found	Instructed to include additional 700m protective work upstream to existing work on RDPP.
Zaheed Farooque, MP Hon'ble Minister of State, MoWR	12/04/2019 & 18/09/2020	Not found	Physical works should be completed within stipulated time & quality must be maintained.
Abdul Mannan, MP Lakshmipur-4, Lakshmipur.	Several times	Not found	Physical works should be completed within stipulated time & quality must be maintained.
Md. Kabir Bin Anwar Senior Secretary, MoWR.	Several times	Not found	Physical works should be completed within stipulated time & quality must be maintained.
Md. Mahfuzur Rahman DG, BWDB.	Several times	Not found	Quality of materials should be ensured according to Standard Schedule of Rates Manual, Volume-I (Item Description and Specification of Materials) of BWDB.
A. M Aminul Haque DG, BWDB.	Several times	Not found	Quality of materials should be ensured according to Standard Schedule of Rates Manual, Volume-I (Item Description and Specification of Materials) of BWDB.
Md. Motaher Hossain Chief Engineer, Design, BWDB.	17/09/2019	Not found	Physical work must be done according to appropriate design provided by Design Office of BWDB.
Mid-term Evaluation Committee	16/11/2019		Report Attached as annexure-1
Md. Motaher Hossain ADG (Planning) and Ex-Chief Engineer, Design, BWDB	09/05/2020	Not found	Physical work must be done according to appropriate design provided by Design Office of BWDB.
Zahir Uddin Ahmed, PD & Chief Engineer, Eastern Zone, BWDB.	Several times	Not found	1. Quality of materials should be ensured according to Standard Schedule of Rates Manual, Volume-I (Item Description and Specification of Materials) of BWDB 2. Physical work must be done according to appropriate design provided by Design Office of BWDB.
Superintending Engineer Feni O&M Circle BWDB, Feni.	Several times	Not found	Quality of materials should be ensured according to Standard Schedule of Rates Manual, Volume-I (Item Description and Specification of Materials) of BWDB
Chief Engineer, Design, BWDB, Dhaka.	Several times	Not found	Physical work must be done according to appropriate design provided by Design

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
			Office of BWDB.
Dr. Jiban Kumar Sarkar Superintending Engineer Design Circle-4 BWDB, Dhaka.	Several times	Not found	Physical work must be done according to appropriate design provided by Design Office of BWDB.
A. H. M Anwar Pasha Deputy Secretary, MoWR.	19/03/2020	Not found	Physical works should be completed within stipulated time & quality must be maintained.
Mohammad Ali ADG (East), BWDB.	26/06/2020	Not found	Physical works should be completed within stipulated time & quality must be maintained.
Mohammad Musa Joint Secretary, MoWR	27/08/2020 31/12/2020 31/03/2021	Not found	Physical works should be completed within stipulated time & quality must be maintained.
(b) IMED :			
Loshmi Chakma AD, IMED	19/03/2017	Not found	Work quality must be ensured by technical person of project contractor.
Md. Afzol Hossain Director, IMED	Several times	Not found	Block placing work at Ramgati fish ghat area must be uniform and grass should be planted at country side. All river bank protection work must be done within right time & completed work should be taken care of. Precaution should be taken at Matabbarhat in Kamalnagar upazila which is prone to severe erosion.
Khandakar Mohammad Ali Director, IMED	16/11/2019	Not found	Work progress must be increased and 700m bank protection work should be completed within due time. Physical works should be completed within stipulated time & quality must be maintained as per design and specification.
(c) Others (Please specify) :			
Deputy Commissioner, Laxmipur.	Several times	Not found	Physical works should be completed within stipulated time & quality must be maintained.
UNO, Kamalnagar & Ramgati.	Several times	Not found	Physical works should be completed within stipulated time & quality must be maintained.

02. Auditing during and after Implementation:

2.1. Internal Audit: Not Conducted.

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

2.2. External Audit:

Audit Period	Date of submission of Audit Report.	Major findings/objections	Whether objection resolved or not.
1	2	3	4
2014-15	17/02/21	Financial Loss 6,68,59,447/- Taka due to payment of CC block more than counted by Task Force member.	Answer is submitted through Competent Authority and solvation of the objection is on process.
2014-15	28/10/19	Financial Loss Tk. 65,64,760 due to issuance of work order at a higher rate more than DPP rate.	Answer is submitted through Competent Authority and solvation of the objection is on process.
2017-18	04/09/19	Financial Loss due to extra labor payment.	Answer is submitted through Competent Authority and solvation of the objection is on process.
2017-18	04/09/19	Geo-bag dumping without counting of Task Force member & break down BWDB rules.	Answer is submitted through Competent Authority and solvation of the objection is on process.
2018-19	17/02/21	Not collecting of fines due to failure of work done by contractor in time.	Answer is submitted through Competent Authority and solvation of the objection is on process.
2019-20	Yet to be conducted		
2020-21	Yet to be conducted		

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on:

1.1 Background

Bangladesh is a riverine country and the rivers carry huge discharge during monsoon. Bank line erosion by sifting the thaw leg of the river bed or widening the flow passage is a common and the recurrent phenomenon especially for the lower Meghna.

The project is situated at the south-eastern region of Bangladesh within the upazila Kamal Nagar & Ramgati under the district of Lakshmipur and spreaded along the left bank of lower Meghna, which is empoldered with two coastal embankment project 59/2 and 59/2 (extension) and comprises the char Borokhari, Ramgati Bazar (Machghat), Char Algi, Char Alakgendar, at upazila Ramgati & Matbar hat at Upazila Kamal Nagar.

Polder 59/2 surrounds the most area of upazila Ramgati & Kamal Nagar. The main purpose of the said polder is to provide improved flood control, drainage facility and control of saline water intrusion into the project area. This main polder started to implement in the year 1960 and completed in the year 1976. As a result the crop production has been raised to 30,000 metric ton per year. Polder 59/2 (extension) comprise the area both in the upazila Ramgati and Kamal Nagar. The main purpose of the polder is to enhance the crop production by additional 6237.50 metric ton per year and provide effective flood control, drainage facility as well as saline water intrusion to the polder over the Gross area of 4000 hectares. Both the polders are subjected to tidal surge of the lower Meghna.

After devastating flood in the year 2004 and Cyclone 'Aila' in the year 2009 the erosion process has been aggravated and the situation becomes worsen. Tremendous whirl action due to tidal effects and whirl action due to drainage flow during monsoon, wave action, tidal surge of the lower Meghna causes breaching of the major parts of the embankments of both the polders. Consequently important Govt. and Non-Govt infrastructure and other viz. BWDB SDE office, school, madrasa, union parisad bhaban, cyclone shelter, movable and immovable public properties are about to engulf into the mighty river Meghna falling the distress people into a vulnerable situation.

To overcome the present situation and relief the local people of the said two upazila from the grievances and create a congenial situation against panic to the river erosion it is necessary to take intensive plan as preventive measure for a total length of about 37.00 km shown in the index map by taking bank protective work with hard materials as recommendation by the technical committee constituted vide board memo no. 284- পাউবো/সচি/বোর্ড-২/কমিটি-২০০৮ তারিখঃ ১৩/১০/২০০৮, ১৩৭-পাউবো(সচি)/পরি-১/বিবিধ-৩/২০০২ তারিখঃ ৩/১১/২০০৯।

Recommendation of the Technical committee constituted by Board memo no. 137-পাউবো (সচি)/পরি-১/বিবিধ-৩/২০০২ তারিখঃ ৩/১১/২০০৯

(1) Bank protective work at the left bank of Meghna River from Ramgati Fishery Ghat (from km. 123.400 to km 124.400) of Borokhari union, Char Algi to Alexander upazilla Head quarter (from km. 131.500 to km 136.000) of Char Algi & Alexander Union and Shaheber hat (from km. 158.624 to km. 160.224) of Shaheber hat union under Ramgati & Kamal Nagar upazila with a total length of approximately 7.100 km. and the probable cost of implementation of bank revetment work will be 22,650.63 lakhs.

(2) In consideration to the project cost, it may be implemented within 2 (Two) targeted fiscal year by giving emphasis to the most vulnerable erosion place and probable cost for implementation of physical work will be about Tk. 22,650.63 lakh.

Recommendation of the Technical Committee constituted by Board memo no. 284-পাউবো (সচি)/বোর্ড-২/কমিটি/২০০৮ তাং ১৩/১০/২০০৮

(1) Bank revetment works at the left bank of Meghna River from Ramgati Fishery Ghat (from km. 123.400 to km 124.400) of Borokhari union, Char Algi to Alexander upazilla Head quarter (from km. 131.500 to km 136.000) of Char Algi & Alexander Union and Shaheber hat (from km. 158.624 to km. 160.224) of Shaheber hat union under Ramgati & Kamal Nagar upazila with a total length of approximately 7.100 km. and the probable cost of implementation of bank revetment with c.c. block, sand filled geo-bag dumping and earthwork in construction of embankment work will be Tk. 22,650.63 lakhs.

(2) In consideration to the project cost, it may be implemented within 2 (Two) targeted fiscal year by giving emphasis to the most vulnerable erosion place and probable cost for implementation of physical work will be about Tk. 22,650.63 lakh.

Considering the Technical Committee reports and approved design the accumulated cost for the implementation of bank revetment work will be Tk. 22,650.63 lakh in the started length (from km. 123.400 to km 124.400) of Borokhari union, Char Algi to Alexander upazilla Head quarter (from km. 131.500 to km 136.000) of Char Algi & Alexander Union and Shaheber hat (from km. 158.624 to km. 160.224) in polder 59/2 under Ramgati & Kamal Nagar upazila of Laxmipur district.

IWM has been entrusted by BWDB on January 2012 to carry out a detailed feasibility study for planning and design of protection measures in protecting Ramgati and KamalNagar Upazila and adjacent areas. A comprehensive data collection program was undertaken during the month of February and March and October & November 2012 to collect data on water level, discharge, sediment concentration, bed material sample in the river reach from Elisha down to Noidag containing the project

area situated left bank of the Meghna River from Kamalnagar to Ramgati. These data have been utilized to establish baseline hydrodynamic and morphological conditions, to identify critical erosion prone areas. The entire left bank of Meghna River from Motirhat to Ramgati bazar in Kamalnagar and Ramgati upazila is under active erosion. Accordingly it has been considered to implement the protection in three phases. Hard point are constructed for protecting certain infrastructure or important place.

1.2 Justification/Adequacy:

Bangladesh is a riverine country and bank line erosion of different rivers has been a recurrent effect. River bank erosion in alluvial lands of Bangladesh is a complex and dynamic thrust of nature due to strong onrush of water and major variation in between normal water flow and surges of inflow during monsoon & post-monsoon period in each year. The monsoon discharge of the major rivers is so large that there is recurrence of floods every year. Sometimes it becomes very severe and causes immense damages impacted by occurrence of devastating river erosion. This has significant social and economic impacts. The loss of land, crop and property has led to landlessness and impoverishment of thousands of dwellers living within bank lines.

The large seasonal variation in river flow results in varying sediment transportation capacity and causes river-bank erosion, migration of river-banks and meandering river channels. In this context, there have been a growing concern and reassessment of the economic and socio-political benefits of protecting important towns, infrastructure, hats and bazars as well as agricultural land. The issue has been given due importance in the national planned documents for water sector and prioritized strategic locations of river banks have been stressed for phased implementation of river bank protection program at the apex level.

The overall objective of the project is to reduce environmental degradations and human hazards due to river erosion with ensuring safety of lives and properties around the area. Throughout the erection of proposed bank revetment works and retired embankment, safety of vast tract of agricultural lands and other immovable and movable properties with approximate economic value of 666590 lakh and lead to additional annual crop production of approximately 65169.00 M. Tons within the polder 59/2 ,59/2 (extension) area.

1.3. Objectives:

Objectives of Project:

- The main objective of the project is to protect the bank erosion from continuing shifting of the bank line which is about 250-300m per year by wave thrust eddy current and whirl action of the river in the preexisting BWDB polders viz. polder 59/2 & 59/2 (extension) and to safe guard the project area which is spreaded over the two upazila Ramgati & Kamal Nagar including its agriculture land, homestead, Market, School, College as well as different Govt. and Non-Govt. infrastructure and road Communication from devastating erosion under Laxmipur district.
- The long-term objective of the project is to sustain socio-economic uplift and provide safety of the population and natural resources as well as create condition for environmental enhancement to 15,000.00 hectares area in the upazila Ramgati & Kamal Nagar.

- It is anticipated that implementation of proposed project will save the immovable and movable properties with approximate economic value of 666590.00 lakh and lead to additional annual crop production of approximately 65169.00 M. Tons within the polder 59/2 ,59/2 (extension) area.
 - To protect School, Mosque, Bazar, Union Complex, Health Complex, Government and Semi Government Infrastructure, Agricultural Land, Homestead, Road etc. from erosion of the right bank of Meghna River.
 - To maintain river alignment in a sustainable thalweg for sustainable river management.
 - To increase socio-economic development by enhancement natural security against river erosion.
-
- To mitigate environmental impact and ecological imbalance by protection of bank line.

1.4. Project revision with reasons:

The project has been undertaken with a view to protect the bank erosion and continuing shifting of the bank line which is about 250-300 m per year due to wave thrust eddy current and whirl action of the river towards the pre-existing BWDB polder's viz. polder 59/2 & 59/2 (extension) and safe guard the project area spread over the two upazila Ramgati & Komol Nagar under Lakshmipur district. It was prepared with a total estimated cost of Tk.19802.04 lakh covering the implementation period from July, 2014 to June, 2017. The project was approved by the ECNEC on 05.08.2014. Later on, its administrative approval was given by the Ministry of Water Resources (MoWR) on 08.09.2014.

Institute of Water Modelling (IWM) has conducted a Feasibility Study and submitted Final Report on May, 2013. As per recommendation, 5.50 Km. protective work and 0.20 km. revetment repair works has been proposed in the original DPP. The chainage of the protective works were Km.123.400 to 124.400 (1.00 Km.). Km.132.500 to Km.135.500 (3.50 Km.) for protective work and Km. 122.976 to Km.123.076 (0.10 Km.) for repair work at Ramgati. Other chainage were Km.151.00 to Km.152.00 (1.00 Km.) for protective work and Km.167.180 to Km. 167.300 (0.12 Km.) for repair work at Komol Nagar.

River bank protection work (length: 3.50 Km.) at Locvation-2 of Char Alexander under Ramgati Upazila was started on February, 2015. There was no provision for turfing at inner side slope of embankment in the design. But in the final working design, provision for turfing was included. Cost of the turfing for 3.50 km is Tk.7.22 lakh. As per design, starting toe level of outer side slope was 0.00 RL. But at some places depth of water is 3.50 M from below 0.00 RL. So for placing of block from below 0.00 RL, toe level is needed to be increased and due to this Tk.78.30 lakh is needed. As per Drawing No,DC 4/2829/01/01, Dated: 30.03.2015, this work is on-going. Geo bag dumping work for 3.50 km. protective work was completed by July, 2015. Due to flood, blocks could not be placed from river bank to dumping point. On the other hand, to protect bank line shifting, due to heavy tidal flow caused by KOMEN. geo tube along with geo bag (175 kg) were to be placed along the 3.50 km RBP. It was also needed to protect the existing health complex, upazila complex, bazar, residence and other properties at Alexander. The cost of the work was Tk.438.83 lakh. As per Drawing No.DC-4/2897/01/01, Dated:06.10.2015, this work has been completed.

In the Original DPP, repair and maintenance of existing revetment works were at 2 places. One was at Maachghat, Ramgati from Km. 122.976 to Km.123.076 (length: 0.100 Km) and other was at Motirhat, Komol Nagar from Km.167.180 to Km.167.300 (length: 0.120 Km). Now it is proposed to repair of revetment work at Maachghat, Ramgati for a length of 0.117 Km (Km. 122.800 to Km.122.917) and the other part of the work at Motirhat, Komol Nagar from Km.167.180 to Km. 167.300 (0.120 Km.)

Considering above situation, 1st Steering Committee Meeting held on 20.01.2016 has recommended to prepare Revised DPP

Later on, 1st Revised DPP costing Tk.20241.46 lac was approved and administrative approval was given by the Ministry of Water Resources (MoWR) on 17.04.2016.

Bangladesh Army was awarded contract on 19.04.2015 to implement 5.50 Km. protective work and 0.237 km repair of existing protective work under this project. Bangladesh Army has completed only 3.50 km protective work. Bangladesh Army expressed the unwillingness to implement remaining 2.00 km work and 0.237 km repair work. In this situation, BDPL was requested to implement remaining 2.00 km protective work at DPP cost. But they were not interested. Later on Dockyard & Engineering Works Ltd. Bangladesh Navy, Narayanganj shown their interest to implement the remaining work and was awarded contract on 06.06.2016 to implement 1.117 Km. protective work at Ramgati for package no-Lax/W-02/2015-2016 & 1.120 Km. protective work at kamalnagar package no-Lax-03/W-03/2015-2016 under this project. As per contract, Bangladesh Navy has started protective work, now work is in running and the work will be completed June, 2018. Progress of Komalnagar Protective work was 76.00% as on 30.06.2017 and Ramgati protective work was 30.00% as on 30.06.2017.

On dated 23/11/2016 honorable Minister for the Ministry of Water Resources visited the project area at Alexander, then local people & honorable parliament member demanded a regulator over Alexander Khal due to drainage problem and also demand 700m. Extended protective work at the upstream of 3.5 Km completed protective work at Alexander. Then honorable Minister for the Ministry of Water Resources instructed to BWDB official to include extended 700m protective work at the upstream of 3.50 Km protective work and a 3-vent Drainage regulator over Alexander khal. Accordingly this 2nd Revised DPP is prepared as per lowest tender value.

At kamalnagar 1.00 km partially completed protective work was damaged due to flood 2017. Experienced Design Engineer of concerned Design Directorate visited the damaged protective work site of kamalnagar area. Concerned Design office has given repair design. As the bank line at upstream of the ongoing work is shifting abruptly. To strengthen and sustain the ongoing work, 200m protective work has been extended along with 400m protection by geo bag at the upstream of the ongoing work at Kamalnagar. New approved design has been provided to strengthen the ongoing work. Cost due to repair and strengthen of the protective work is incorporated in the 2nd RDPP. Moreover, actual field condition, morphological change, unforeseen situation, few item of emergency work needed to include for sustainable implementation and completion of the project.

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

Bangladesh is a densely populated country and subjected to natural disaster. 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 non-ownership of land, 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 and providing safety of the natural resources is the main objective to alleviate poverty of the area. The proposed intervention has very little impacts or no negative impacts in and around the area. The project will create new employment opportunity and mitigate the erosion of the land and thus will provide favorable condition towards environmental enhancement of the area.

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

◆ Project Identification:

The project is situated at the south-eastern region of Bangladesh within the upazila Kamal Nagar & Ramgati under the district of Laksmipur and spreaded along the left bank of lower Meghna, which is empoldered with two coastal embankment project 59/2 and 59/2 (extension) and comprises the char Borokhari, Ramgati Bazar (Machghat), Char Algi, Char Alakgendar, at upazila Ramgati & Matbar hat at Upazila Kamal Nagar. This DPP has been prepared following the honorable Prime Minister's office u.o. note number 13.39.16.00.00.10.2009-222 Dated: 29/04/2009 through which an application of Advocate Md. Mahbubur Rahman was forwarded and the instruction of honorable Water Resources Minister over the application on 02/09/2009.

◆ Project Preparation:

The proposed project costing to Tk.20370.08 lakh has been formulated as per study report of IWM & design approved by SE Design circle IV. The study was carried out on May, 2013. According to that study, the project was taken phase wise within Govt's financial constants.

◆ Appraisal/ PEC Meeting in Planning Commission:

The PEC meeting was held on 07-05-2014 at Planning Commission. As per decision of PEC meeting the DPP was corrected and sent to the ECNEC for approval.

◆ **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 by ECNEC on 21-08-2014 and 1st Revised DPP was approved by Honorable Minister, MoWR on 17-06-2016 & 2nd Revised DPP was approved by Honorable Minister of State, Ministry of Planning on 16-04-2019.

◆ **Others (if any):** Nill.

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 stack holders are directly taking advantages of the created facilities of the project.

- 4.3 O & M programme of the project.**

After complementation of the project major repair/rehabilitation works will be accomplished from regular O&M budget of BWDB.

- 4.4 Impact of the project -**

4.4.1 Direct

- To protect School, Mosque, Bazar, Union Complex, Health Complex, Government and Semi Government Infrastructure, Agricultural Land, Homestead, Road etc. from erosion of the right bank of Meghna River.
- proposed project will save the immovable and movable properties with approximate economic value of 666590.00 lakh and lead to additional annual crop production of approximately 65169.00 M. Tons within the polder 59/2 ,59/2 (extension) area..

4.4.2. Indirect

- River alignment has been maintained in a sustainable thalweg for sustainable river management.
- Socio-economic condition has improved in the project area.
- Environmental impact has been mitigated and ecological balance has been established.
- Safety of human livelihood and properties

- 4.5 Transfer of Technology and Institutional Building through the project**

Not Applicable.

- 4.6 Employment generation through the project.**

A large number of skilled/unskilled workers were employed during construction period.

- 4.7 Possibility of Self employment**

There are possibilities of self-employment as existing commercial, industrial and business centers are protected from river bank erosion and the environmental degradation.

- 4.8 Possibility of women-employment opportunity**

Yes, there are possibilities of women-employment through the project benefited area enhanced.

- 4.9 Women's participation in development**

Yes.

4.10 Probable Impact on Socio-Economic activity.

By protecting the river bank erosion, various infrastructures are saved from the erosion. As a result socio-economic balance in the locality is enhanced.

4.11 Impact on environment

Environmental enhancement is achieved through the implementation of the project.

4.12 Sustainability of the project

The project is sustained but requires periodic maintenance.

4.13 Contribution to poverty alleviation/reduction

The project has direct contribution and impact on poverty alleviation/reduction.

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

Positive remarks regarding the project.

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

Not Applicable.

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

Project Management	N/A.
Project Director	N/A.
Land Acquisition	N/A.
Procurement	N/A.
Consultancy	N/A.
Contractor	Dockyard & Engineering Works Ltd (A Bangladesh Navy managed business concern) implemented 2 packages through DPM procurement with the approval from competent entities. They didn't expedite the progress as required to complete the works by June 2018. As a consequence some incomplete works had to withstand a heavy monsoon & some implemented works got damaged. That works were later implemented after keeping provision for them in 2nd RDPP. Also a package awarded through OTM procurement to Tajware Trade Systems Ltd was terminated due to slow & unsatisfactory progress in final FY of the project. The incomplete works were implemented through new OTM tendering process.
Manpower	N/A.
Law & Order	N/A.
Natural calamity	Due to severe cyclone in 2019, the completed river bank protective work of 200 m was damaged. Resulted in inclusion of emergency work items during RDPP.

Project financing, allocation and release	N/A.
Design formulation /approval	Change in design concept during implantation period.
Project aid disbursement and re-imbursement	N/A.
Mission of the development partners.	N/A.
Time & Cost Over-run	Time & Cost over-run due to reason for DPP revision & Covid-19 situation.
Project Supervision /Inspection	N/A.
Delay in Decision	N/A.
Transport	N/A.
Training	N/A.
Approval	N/A.
Others	N/A.

6. Remarks & Recommendations of the Chief Engineer:

The main objective of the project is to protect the bank erosion from continuing shifting of the bank line which is about 250-300m per year by wave thrust eddy current and whirl action of the river in the preexisting BWDB polders viz. polder 59/2 & 59/2 (extension) and to safe guard the project area which is spreaded over the two upazila Ramgati & Kamal Nagar including its agriculture land, homestead, Market, School, College as well as different Govt. and Non-Govt. infrastructure and road Communication from devastating erosion under Laxmipur district. 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 especially for rural poor section, creation of social & environmental balance & building of economic infrastructures for the future generation to sustain due to river erosion mitigation.

The commencement and completion of the project is schedule to be accomplished in 2014-2015 to 2020-2021 as per approved DPP (2nd Revised) and accordingly implementation completion has been achieved.

The Project is specifically linked with SDGs (Goal-1.End Poverty in all its form End hunger, Goal-2.Achieve food security and improved nutrition and promote sustainable agriculture, Goal-5.Achieve gender equality and empower all women and girls, Goal-11.Make cities and human settlements inclusive, safe, resilient and sustainable, Goal-13. Take urgent action to combat climate change and its impact). The Ministry of Water

Resources has been engaged in all programs relating to water sector development and management. It will continue to deal with flood erosion protection. 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 is 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”.

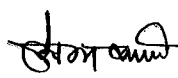
As water is a cross cutting resource, its use is broad-based. Water is a resource on the one hand and a mainstay of livelihoods on the other. So, the goal is not confined within the water sector alone, it extends deep into the livelihoods functions of water (e.g. agriculture, fisheries, health, land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

During the implementation of this project members of different committees & monitoring authorities visited project site and gave their opinions which has help implementation of the project within project period. Project was implemented properly following respective design, drawing and specification. The quantity and quality of C.C block, Sand filled geo-bag etc. were ensured by Task force committee of BWDB and concerned officials of BWDB.

After successful implementation of this project, the Ramgati & KamalNagar Upazila and adjacent area has been protected from severe erosion of the Meghna River. The socio-economic condition of the people has been improved. Scope of new jobs & works has been created. The safety of human livelihood and properties have also been improved.

Recommendation: Proper Monitoring and regular maintenance of the implemented revetment works are required for more sustainability of the project.

Date.....

 09/09/2021
(Md. Moniruzzaman)
Additional Chief Engineer
Eastern Zone, BWDB, Cumilla.

07. Remarks/ Comments of Agency Head.

This project has ensured protection from river erosion caused by storm surges to the project area on Romgati and Kamal Nagar Upazila of Lakshmipur district. It is providing a safeguard of various public and private properties along with BWDB's infrastructures which will boost the socio-economic development in the project area.


24/07/2021
(FAZLUR RASHID)
Signature of Director General
BWDB, Dhaka.

Date.....

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

Date.....

Signature and Seal.

কমিটির পর্যবেক্ষণ৬. কমিটির পর্যবেক্ষণঃ

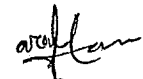
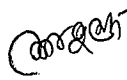
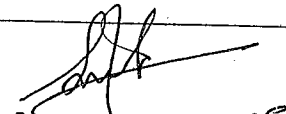
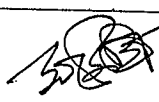
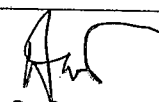
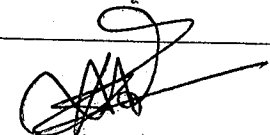
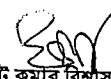
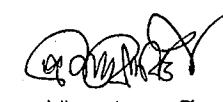
প্রকল্প এলাকা সরেজমিনে পরিদর্শন, প্রকল্প সংশ্লিষ্ট কর্মকর্তা, জনপ্রতিনিধি এবং উপকারভোগীদের মতামতের ভিত্তিতে মধ্যবর্তী মূল্যায়ন কমিটির পর্যবেক্ষণ নিম্নরূপঃ

- আলেকজান্ডারে ৩.৩৭০ কিঃমিঃ নদী তীর সংরক্ষণ কাজ সম্পন্ন হয়। উক্ত কাজ পরিদর্শন করে কমিটির সদস্যগণ সন্তোষ প্রদান করেন।
- প্রকল্পের আওতায় কিঃমিঃ ১৩৫.৫০০ হতে কিঃমিঃ ১৩৬.২০০ = ৭০০ মিঃ নদী তীর সংরক্ষণ কাজের মোবাইলাইজেশন অত্যন্ত ধীর গতিতে চলমান আছে। এই গতিতে কাজ চলমান থাকলে কোন অবস্থাতেই যথাসময়ে বাস্তবায়ন করা সম্ভব হবেনা।
- প্রকল্পের আওতায় কিঃমিঃ ১৫১.০০০ হতে কিঃমিঃ ১৫২.০০০ = ১.০০০ কিঃমিঃ নদী তীর সংরক্ষণ কাজের অভ্যন্তরে ক্ষতিগ্রস্ত ৪৭৫ মিটার নদীতীর প্রতিরক্ষা কাজের মেরামত ও শক্তিশালীকরণ কাজ, কিঃমিঃ ১৫২.২০০ হতে কিঃমিঃ ১৫২.৬০০ = ৪০০ মিঃ পূর্বসতর্কতামূলক নদীতীর সংরক্ষণ এবং কিঃমিঃ ১৫২.০০০ হতে ১৫২.২০০ = ২০০ মিঃ বাঁধ শক্তিশালী করণ কাজ চলমান রয়েছে।
- প্রকল্পটির ৭নং প্যাকেজের দরপত্র মূল্যায়ন প্রক্রিয়া চলমান রয়েছে এবং ৮নং প্যাকেজের অগ্রগতি ০.০০%। সুতরাং নির্দিষ্ট সময়ের মধ্যে কার্যক্রম সম্পন্ন করার জন্য মনিটরিং ব্যবস্থার জোরদার করা প্রয়োজন।

সপ্তম অধ্যায়

কমিটির সুপারিশ৭. কমিটির সুপারিশঃ

- ৭.১ প্রকল্পের লক্ষ্য ও উদ্দেশ্য অনুসারে প্রকল্প এলাকার নদী ভাঙ্গন হ্রাস পেয়েছে। জলবায়ু পরিবর্তনের বিষয়টি বিবেচনায় নিয়ে টেকসই উন্নয়নের স্বার্থে আবর্তকবাজেটের আওতায় নিয়মিত রক্ষনাবেক্ষণ প্রয়োজন;
- ৭.২ অনুমোদিত ডিপিপি কর্মপরিকল্পনা অনুযায়ী নির্ধারিত মেয়াদে প্রকল্প বাস্তবায়নের বিষয়টি নিশ্চিত করতে হবে এবং মনিটরিং ব্যবস্থার জোরদারকরণ করতে হবে;
- ৭.৩ প্রকল্পের কাজ বাস্তবায়নকালে কাজপূর্ব এবং কাজ পরবর্তী ছবি সংরক্ষণ করা প্রয়োজন যাতে বাস্তবায়িত কাজের ফলাফল ভালভাবে পর্যবেক্ষণ করা যায়;
- ৭.৪ প্রকল্পের কাজের গুণগত মান নিশ্চিতকরণের স্বার্থে পরিবীক্ষণ কার্যক্রম জোরদার করা প্রয়োজন;
- ৭.৫ ভবিষ্যতে এ ধরনের প্রকল্পে আধুনিক প্রযুক্তি ব্যবহারের মাধ্যমে প্রকল্প পরিচালকের দপ্তর থেকে প্রকল্পের কাজ পরিবীক্ষণের ব্যবস্থা রাখা যেতে পারে।

 মুহাম্মদ মাজহারুল ইসলাম চৌধুরী সহকারী প্রধান পানি সম্পদ মন্ত্রণালয় ও সদস্য সচিব মধ্যবর্তী মূল্যায়ন কমিটি	 মোসাঃ মারিয়াম খাতুন সিনিয়র সহকারী প্রধান কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ, পরিকল্পনা কমিশন ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি	 ফারুক আহমেদ নির্বাহী প্রকৌশলী, লক্ষীপুর পওর বিভাগ, বাপাউবো ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি
 জহির উদ্দিন আহমেদ প্রকল্প পরিচালক ও প্রধান প্রকৌশলী, বাপাউবো, ঢাকা ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি	 মোঃ মাজেদুর রহমান নির্বাহী প্রকৌশলী, ডিজাইন সার্কেল-৪ এর দপ্তর, বাপাউবো ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি	 মীর আবুল হোসেন হাকিম নির্বাহী প্রকৌশলী, চীপ মনিটরিং এর দপ্তর, বাপাউবো ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি
 খন্দকার মোহাম্মদ আলী পরিচালক, আইএমইডিও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি	 দীপাশিতা সাহা উপ-প্রধান, পানি সম্পদ মন্ত্রণালয়, ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি	 এ কে এম আবুল কালাম আজাদ উপ-প্রধান (সেচ অনুবিভাগ), কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ, পরিকল্পনা কমিশন ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি
 মন্টু কুমার বিশ্বাস যুগ্ম প্রধান (পরিকল্পনা), পানি সম্পদ মন্ত্রণালয় ও সহ-আহবায়ক, মধ্যবর্তী মূল্যায়ন কমিটি	 আবদুল আজিম চৌধুরী যুগ্ম প্রধান (সেচ অনুবিভাগ), কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ, পরিকল্পনা কমিশন ও আহবায়ক, মধ্যবর্তী মূল্যায়ন কমিটি	 প্রশান্ত কুমার চক্রবর্তী প্রধান, কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ পরিকল্পনা কমিশন ও উপদেষ্টা, মধ্যবর্তী মূল্যায়ন কমিটি
 মোঃ আকির হোসেন আকন্দ সদস্য, কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ পরিকল্পনা কমিশন ও প্রধান উপদেষ্টা, মধ্যবর্তী মূল্যায়ন কমিটি		

