

BANGLADESH WATER DEVELOPMENT BOARD**PROJECT COMPLETION REPORT: IMED-04/2003 (Revised)**

Name of the Project: Protection of Left Bank of Jamuna River in between Kulkandi Hard Point and Guthail Hardpoint at Belgacha Union of Islampur Upazila in District-Jamalpur. (1st Revised).

PROJECT PERIOD: JULY 2017 TO JUNE 2021.

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

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

PROJECT COMPLETION REPORT:IMED 04/2003 (Revised)

A. PROJECT DESCRIPTION:

01. **Name of Project** : Protection of Left Bank of Jamuna River in between Kulkandi Hard Point and Guthail Hard Point at Belgacha Union of Islampur Upazila in District-Jamalpur. (1st Revised).
02. **Administrative Ministry/ Division** : Ministry of Water Resources (MoWR).
03. **Executing Agency** : Bangladesh Water Development Board (BWDB) / Delegated Work: 24 Engineer Construction Brigade, Bangladesh Army.
04. **Location of the Project:** Upazila:Islampur, District:Jamalpur.
05. **Object of the Project** :
- ❖ To arrest river bank erosion and flood protection coverage by construction of River Bank Protection works for a length of 2.50 km to an area of approx. 600 ha lands of Islampur Upazila of Jamalpur district;
 - ❖ To safeguard the BWDB's River Bank Protection Works at Bahadurabad-Futani Bazar segment and Horindhara-Hargila Segment of the under-construction project of "Protection of Left Bank of the Jamuna River from Bahadurabad Ghat to Futani Bazar in Dewangonj & Islampur Upazila, Pingna Bazar Area in Sharishabari Upazila and from Horindhara to Hargila in Islampur Upazila under Jamalpur District";
 - ❖ To increase the conveyance capacity of Jamuna River by dredging;
 - ❖ To Safeguard security of Islampur Upazila Town from possible threat of erosion of the Jamuna River.

06. **Estimated Cost:**

(In Lakh Taka)

	Original	Latest Revised(1st)
a. Total	38404.06	25366.03
b. Taka	38404.06	25366.03
c. Foreign Currency	-	-
d. Project Aid	-	-
e. RPA	-	-

07. **Date of Approval** :

PCP	PP
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a. **Original** : 09/08/2017

b. **Latest Revised (1st)** : 09/11/2020

08. **Implementation period** :

	Date of Commencement	Date of Completion
a. Original	July, 2017	June, 2019
b. 1st No Cost Time Extension	July, 2017	June, 2020
c. Latest Revised(1st)	July, 2017	June, 2021
d. Actual	July, 2017	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:

(In Lakh Taka)

Total Amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
25366.03	-	25366.03	-

9.2 Utilization of Project Aid: (Source wise)

(In Million)

	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)

(In Lakh Taka)

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 2017 to June 2019	July 2017 to June 2021	July 2017 to June 2021	100%	24 Engineer Construction Brigade, Bangladesh Army has implemented the Project work through Delegated Procurement as per Rule 12 of PPR-2008. MOU was signed on 02/07/2018. Physical work needed 2 complete seasons to be implemented. The work was completed by June'2020. But due to pending approval of RDPP & Subsequent allocation of funds for Revenue component, the project duration needed extension.

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	38404.06	25366.03	23653.07	-38.41%	Reduced due to lessen scope of work.
Taka	38404.06	25366.03	23653.07		
PA	-	-	-		

03. Project Personnel: Project work has been completed by the existing manpower of Jamalpur O&M Division, BWDB, Jamalpur. There was no provision of outsourcing manpower in this project.

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)						
Staff(s)						
Total						

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	N/A				
b) Local	N/A				

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

(In Lakh Taka)

Items of work (As per DPP)	Unit	Target (as per DPP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
Revenue Component:						
Project allowance	1 item	119.35	1 item	119.35	1 item	
Mid-Term Evaluation	1 item	12.00	1 item	12.00	1 item	
Honourium for PSC, PIC, TEC, etc. members	1 item	7.80	1 item	7.36	1 item	
Telephone/Mobile	1 item	5.00	1 item	5.00	1 item	
Hiring Charge	1 item	251.94	1 item	251.94	1 item	
Travel allowance	1 item	1.50	1 item	1.50	1 item	
Petrol & Lubricant	1 item	2.99	1 item	2.98	1 item	
Printing & Publications	1 item	1.50	1 item	1.50	1 item	
Stationary, seal & stamps	1 item	6.50	1 item	6.50	1 item	
Survey (Bathymetry and Bankline Survey)	1 item	35.00	1 item	35.00	1 item	
Program/Festival	1 item	10.00	1 item	10.00	1 item	
Camp office setup	1 item	199.62	1 item	199.62	1 item	

Items of work (As per DPP)	Unit	Target (as per DPP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
Camp office maintenance	1 item	82.99	1 item	82.99	1 item	
Sub-Total (A):		736.19		735.74		
Capital Component:						
Computer (Printer, Scanner, Projector)	Nos	2.00	2 Nos	2.00	2 Nos	
Dredging work in front of Kulkandi Hard Point (9.40 km, 1,03,46,125.53Cum)	Km	15716.79	9.40 km (1,03,46,125.53 Cum)	14004.28	9.40 Km (92,13,345 Cum)	Pre-Work Measurement = 1,03,46,125.53 Cum Post-Work Measurement = 92,13,345 Cum
Protective Work along the left bank of Jamuna River from km 0.00 to km 1.00 = 1.00 km at Kulkandi Hard Point and from km 3.85 to km 5.35 = 1.50 km from Guthail Hard Point towards U/S (Total- 2.50 km) in Islampur Upazila in Jamalpur district (1st Phase)	Km	8911.05	2.50 km	8911.05	2.50 km	
Sub Total-(B):		24629.84		22917.33		
Physical Contingency	-	0.00		0.00		
Price Contingency	-	0.00		0.00		
Total (A+B):		25366.03	100.00%	23653.07	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
A.H.M. Fakhrul Islam, Chief Engineer, Central Zone. (66000-76490)	Full	-	Yes	17/01/2018	30/10/2018	
Mohammad Mukibur Rahman, Addl. Chief Engineer (Addl. Charge), Central Zone. (56500-74400)	Full	-	Yes	30/10/2018	03/01/2019	
Md. Fazlur Rashid, Addl. Chief Engineer (Addl. Charge), Central Zone. (56500-74400)	Full	-	Yes	03/01/2019	16/01/2019	
Akhil Kumar Biswas, Addl. Chief Engineer, Central Zone. (56500-74400)	Full	-	Yes	16/01/2019	19/05/2020	
Md. Abdul Matin Sarkar, Addl. Chief Engineer, Central Zone. (56500-74400)	Full	-	Yes	19/05/2020	till date	

07. Procurement of Transport (in nos.): No provision of vehicle procurement in this project.

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
-	-	-	-	-	-	-

08. Procurement of Goods, Works and Consultancy Service.

8.1. Goods & Works of the Project: Costing above Tk. 200.00 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
Dredging work for diverting the flow of Jamuna River near Guthail Bazar (9.40 km, 1,03,46,125.53 Cum)	Original- 202.23 1 st Revised 157.17	Original- 202.23 1 st Revised 157.17	Delegated to Bangladesh Army	Delegated to Bangladesh Army (MOU on 02/07/2018)	Original: June 2019 Revised: June 2021	June 2021
Protective Work along the left bank of Jamuna River from km 0.00 to km 1.00 = 1.00 km at Kulkandi Hard Point and from km 3.85 to km 5.35 = 1.50 km from Guthail Hard Point towards U/S (Total- 2.50 km) in Islampur Upazila in Jamalpur district (1st Phase)	Original- 90.05 1 st Revised 89.11	Original- 90.05 1 st Revised 89.11	Delegated to Bangladesh Army	Delegated to Bangladesh Army (MOU on 02/07/2018)	Original: June 2019 Revised: June 2021	June 2021

8.2. 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	N/A			
b) Local	N/A			

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:

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

(In Lakh Taka)

Financial year	Financial Provision & Physical target as per original DPP				Financial Provision & Physical target as per latest revised DPP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2017-18	11068.58	11068.58	-	41.00%	3.97	3.97	-	0%
2018-19	27335.48	27335.48	-	59.00%	6990.02	6990.02	-	41.00 %
2019-20	-	-	-	-	15948.58	15948.58	-	59.00 %
2020-21	-	-	-	-	2423.46	2423.46	-	-
Total	38404.06	38404.06	-	100.00%	25366.03	25366.03	-	100.00%

10.(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
2017-18	6.00	6.00	-	0.01%	5.50	0.00	0.00	-	0.01%
2018-19	7000.00	7000.00	-	38.97%	7000.00	6999.91	6999.91	-	38.97%
2019-20	18757.00	18757.00	-	61.02%	17663.00	15948.58	15948.58	-	61.02%
2020-21	707.00	707.00	-	0.00%	704.58	704.58	704.58	-	0.00%
Total	26470.00	26470.00	-	100.00%	25373.08	23653.07	23653.07	-	100.00%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(a) To arrest river bank erosion and flood protection coverage by construction of River Bank Protection works for a length of 2.50 km to an area of approx. 600 ha lands of Islampur Upazila of Jamalpur district;	River erosion has been arrested & the project area has been protected from flood.	No shortfall

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(b)To safeguard the BWDB's River Bank Protection Works at Bahadurabad-Futani Bazar segment and Horindhara-Hargila Segment of the under-construction project of "Protection of Left Bank of the Jamuna River from Bahadurabad Ghat to Futani Bazar in Dewangonj & Islampur Upazila, Pingna Bazar Area in Sharishabari Upazila and from Horindhara to Hargila in Islampur Upazila under Jamalpur District".	Through implementation of River Bank Protection work, Safeguard to BWDB's River Bank Protection Works at Bahadurabad-Futani Bazar segment and Horindhara-Hargila Segment has been ensured.	No shortfall
(c) To increase the conveyance capacity of Jamuna River by dredging	Water Carrying Capacity of Jamuna River has been increased due to dredging of river.	No shortfall
(d)To Safeguard security of Islampur Upazila Town from possible threat of erosion of the Jamuna River	Through implementation of River Bank Protection work, Islampur Upazila Town is secured from possible threat of erosion of the Jamuna River.	No shortfall

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	ha	600	600
Cultivable Land of the Local People	ha	600	600
Crops of Cultivable Land of the Local People	ha	800	800
Residential Land of the Local People	ha	300	300
Kacha/ Pucca House	no	1000	340
Kacha/Semi Pucca/ Pucca Shops	no	340	140
Metalled Road	Km	15.00	15.00
Market	no	2	2
Post Office	no	1	1
Protective Work	Km	5	5
Schools/ Colleges/ Mosques/ Madrasha/ Upazila Complex/ NGO Office, Upazila Health Complex/ UP Office/ Saw Mill, Hat Bazar, etc.	no	30	30

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	1.89:1.00	
(ii) Economic	2.22:1.00	
(2) Internal rate of return		
(i) Financial	26.78%	
(ii) Economic	31.78%	

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:			
A.M. Aminul Hoque Director General, BWDB.	29/08/2020	Not found	
Mahmudul Islam Additional Secretary (Dev.), MoWR.	30/11/2019	Not found	
Akhil Kumar Biswas Chief Engineer, Central Zone, BWDB.	30/11/2019	Not found	
Md. Abdul Matin Sarkar Chief Engineer, Central Zone, BWDB.	Several times	Not found	
Motahar Hossain Chief Engineer, Design, BWDB.	30/11/2019	Not found	
Mantu Kumar Biswas Joint Chief (Planning), MoWR.	30/11/2019	Not found	
A.K.M. Shafiqul Haque Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	30/11/2019	Not found	
Md. Shahjahan Siraj Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	29/08/2020	Not found	
Naba Kumar Chowdhury Executive Engineer, Jamalpur O&M Division, BWDB, Jamalpur.	Several times	Not found	
Mohammad Abu Sayed Executive Engineer, Jamalpur O&M Division, BWDB, Jamalpur.	Several times	Not found	
Mid-Term Evaluation Committee:			
Mahmudul Islam Additional Secretary (Dev.), MoWR.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
Mantu Kumar Biswas Joint Chief (Planning), MoWR.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Abdul Azim Chowdhury Joint Chief (Irrigation Wings), Agriculture, Water Resources & Rural Institutions Division, Planning Commission.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Mohammad Anowar Uddin Deputy Chief, Programming Division, Planning Commission.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
AKM Abul Kalam Azad Deputy Chief (Irrigation Wings) Agriculture, Water Resources & Rural Institutions Division, Planning Commission.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Dipannita Saha Deputy Chief, MoWR.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Khandokar Mohammad Ali Director, IMED.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
A H M Anowar Pasha Deputy Secretary, Dev.-3, MoWR.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Akhil Kumar Biswas Chief Engineer, Central Zone, BWDB.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Saiful Islam Executive Engineer, Office of the Chief Monitoring, BWDB.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Mohammad Abu Sayed Executive Engineer, Jamalpur O&M Division, BWDB, Jamalpur.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Mst. Mariam khatun Senior Assistant Chief Agriculture, Water Resources & Rural Institutions Division, Planning Commission.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
Muhammad Mazharul Islam Chowdhury Assistant Chief, MoWR.	04/10/2019 - 05/10/2019	Attached in Annexure-1	Attached in Annexure-1
(b) IMED:			
Md. Afzal Hossan Director, IMED.	24/04/2019	Geobag exposed to sunlight might not be durable	Measure should be taken to protect Geobag from direct exposure of sunlight.
Upama Akter Deputy Director, IMED.	18/10/2019	Not found	
(c) Others (Please specify):			
Md. Faridul Haque Khan, MP, Jamalpur-2, Islampur, Jamalpur.	30/11/2019	Not found	

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
Nur-E-Alam Mohammad Jobayer Sarwar, psc Brigadier General, 24 Engineer Construction Brigade, Bangladesh Army.	Several times	Not found	
Sayed Ahmed, ndc, psc Brigadier General, 24 Engineer Construction Brigade, Bangladesh Army.	Several times	Not found	

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: Yet to be Conducted.

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

G. DESCRIPTIVE REPORT

01. General Observations/Remarks of the Project on:

1.1. Background

River erosion will continue to impact on those living on the increasingly denser populated floodplains, and is likely to be exacerbated by climate change. Uncontrolled and increased riverbank erosion increases the risk of flood damage apart from the loss of vital infrastructure. Further investments are deferred and the full agricultural potential of the fertile floodplain land cannot be realized. As a consequence, crop production tends to remain below average in some of the most fertile parts of the country.

The characteristic channel shifting of the Brahmaputra is one of the main challenges for riverbank protection. The riverbed consists in general of fine, easily erodible sands with a high content of destabilizing mica, originating from the Himalayan mountains and deposited over thousands of years to form the Bengal delta. The annual sediment load is about 1 billion tones. Only part of the sediment consists of fertile clay, the rest is mostly infertile sand.

The main channel of the Jamuna River shifted towards western side. But a narrow and shallow channel was existing near the left bank of Jamuna River. The local people constructed an earthen dam having insufficient section on the channel for several years, but the earthen dam was breached and demolished during flood periods. It may be mentioned that the dead/Spill channel contained a very small amount of water and that amount of water does not provide irrigation facilities to the char area's crops. The farmers used to produce crops which required small quantity of water in the area and that water was collected from the Jamuna's main channel through low-lift pumps.

The site was visited by the Honorable Minister for Ministry of Water Resources, Honorable State Minister for Water Resources, the Secretary of Ministry of Water Resources, the Addl. Director General of BWDB, Dhaka and the inspecting team instructed the field officials to take necessary action for reducing the threat of damages of the left bank of the Jamuna River at the segment, Guthail Bazar to downstream of Guthail Bazar as well as protecting the char land of approximately 600 ha on demand of the local people during Honorable Ministers' visit.

1.2. Justification/Adequacy:

The major problem responsible for poverty includes high level of landlessness due to river bank erosion (i.e. population displacement and potential erosion damages and losses to productive agricultural and urban land and severs damage to property and infrastructure), recurrent floods, unemployment, illiteracy and malnutrition. The population of the Project area is very dense (about 1085 per square kilometer) and landless population is about 20-30% who are now living as squatters in flood embankment and other Govt. areas. Socio-economic development of the people through agriculture and business generation development providing flood control support and protection of potential lands, infrastructures of urban and rural areas from erosion damages is the main objective to alleviate poverty of the area. The project would prevent the erosion loss of about 600 ha of riparian land including about 600 ha of urban and semi-urban built-up area in the vicinity of Guthail Bazar of Islampur Upazila of Jamalpur District and protect a population of about 20000 people from loss of land, livelihood, property, displacement and impoverishment.

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 dredging, safety of vast tract of agricultural lands and other immovable properties total worth of Tk.13168.00 Lakh will be ensured against river erosion.

1.3.Objectives:

- ❖ To arrest river bank erosion and flood protection coverage by construction of River Bank Protection works for a length of 2.50 km to an area of approx. 600 ha lands of Islampur Upazila of Jamalpur district;
- ❖ To safeguard the BWDB's River Bank Protection Works at Bahadurabad-Futani Bazar segment and Horindhara-Hargila Segment of the under-construction project of "Protection of Left Bank of the Jamuna River from Bahadurabad Ghat to Futani Bazar in Dewangonj & Islampur Upazila, Pingna Bazar Area in Sharishabari Upazila and from Horindhara to Hargila in Islampur Upazila under Jamalpur District";
- ❖ To increase the conveyance capacity of Jamuna River by dredging;
- ❖ To Safeguard security of Islampur Upazila Town from possible threat of erosion of the Jamuna River.

1.4. Project revision with reasons:

The Project was approved by ECNEC on 09/08/2017. Main components of the project were Construction of 5.35 Km River Bank Protection work on a spill channel of the Jamuna river and river dredging in the Jamuna to create diversion channel with a length of 8.60 Km. Approved Project cost was Tk. 38404.06 Lakh with implementing duration from 01 July'2017 to 30 June'2019. During the process of DPP approval and tender processing two rainy seasons were elapsed. During that period a remarkable morphological change took place. The Jamuna is a braided river. Huge volume of sediment is carried by the Jamuna every year. Consequently, morphological changes take place by creating new char and eroding away old chars. New chars were seen during the implementation of dredging along the dredging alignment on the immediate upstream and downstream. For this reason, a new length and quantity become essential to fulfill the objective of the dredging as well as objective of the project. A Technical Committee was formed to assess the actual scenario of the project area. According to the recommendation of Technical Committee dredging length has been changed to 9.40 Km instead of 8.60 Km. Construction of River Bank Protection works from km 0.00 to km

1.00 = 1.00 km at Kulkandi Hard Point and from km 3.85 to km 5.35 = 1.50 km from Guthail Hard Point towards U/S, Total- 2.50 km in the 1st Phase and Construction of River Bank Protection works from km 1.00 to km 3.85 = 2.85 km in the 2nd Phase was supposed to be done according to the main DPP. Later, According to the Recommendation of Mid Term Evaluation Committee received from MoWR, vide memo no. 42.00.0000.040.014.014.2019-03, Date: 05/01/2020, Construction of River Bank Protection works from km 1.00 to km 3.85 = 2.85 km was omitted from the project's scope of work. After approval of 1st Revised DPP by Honorable Minister, Ministry of Planning on 09/11/2020, Main components of the project was construction of 2.50 Km River bank protection work along the left bank of Jamuna River and 9.40 Km dredging in Jamuna River with a dredging volume of 103.46 lac cum. Revised project cost was Tk. 25366.03 Lakh with revised implementing duration from 01 July'2017 to 30 June'2021.

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

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 objective of the proposed project is to arrest river bank erosion and flood protection coverage to an area of about 600 ha near Guthail Bazar of Islampur Upazila of Jamalpur district by construction a bank protection work over a bank of Jamuna River for a length of 2.50 Km. from Jamuna river, which is quite relevant with the priority set forth in the 6th FYP and MDGs (Millennium Development Goals). As an action plan to protect said area from the increased river bank erosion of the Jamuna River, proposed project has been formulated following the Honorable Prime Minister's commitment and huge appeal of local Honorable MP & affected peoples for implementation on priority basis.

Accordingly, present project has been formulated to construct a 2.50 Km bank protection work over bank of the Jamuna River & 9.40 Km Dredging in Jamuna River. Implementing this project helps to protect Guthail and Kulkandi its adjacent area of Islampur, Jamalpur.

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

a) Project Identification:

The project was identified by the Bangladesh Water Development Board to save the infrastructures, residential land, cultivable land, and other valuable assets of Guthail and Kulkandi area of Islampur Upazila in Jamalpur District. Local MP requested to Water Resources Ministry to take up a protective work project along the vulnerable bank. Accordingly, instructions of Water Resources Ministry, Bangladesh Water Development Board taken up the mentioned project in cooperation by field level of Jamalpur O&M Division, BWDB, Jamalpur.

b) Project Preparation:

For project formulation a Technical Committee was formed by BWDB to provide a Technical Report regarding this project. The committee visited the project area and submitted the report with specific recommendation. The committee recommended for 5.35 km protective work (from km 0.00 to km 5.35 at Guthail & Kulkandi Hard Point area) and dredging of 8.60 Km in Jamuna River.

c) Appraisal:

The appraisal meeting was held on 11/01/2017 at Planning Commission. As per decision of appraisal meeting the DPP was corrected and sent to the Ministry of Planning for approval of the above project.

- d) **Credit Negotiation:** Not Applicable.
- e) **Credit Agreement:** Not Applicable.
- f) **Credit Effectiveness:** Not Applicable.
- g) **Loan Disbursement:** Not Applicable.
- h) **Loan Conditionality:** Not Applicable.
- i) **Project Approval:** The Project was approved by ECNEC on 09/08/2017 and 1st Revised DPP was approved by Honorable Minister, Ministry of Planning on 09/11/2020.
- j) **Others (if any):** Nil.

04. Analysis of the Post-Implementation situation and result of the project:

4.1 Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.

Yes.

4.2 Programme for use of created-facilities of the project.

The stakeholders 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.

- Safeguard to arrest river bank erosion and flood protection coverage to an area of about 600 ha near Guthail Bazar of Islampur Upazila of Jamalpur district have been ensured by construction of a bank protection work over a bank of Jamuna River for a length of 2.50 Km;
- Ensure safeguard to BWDB's existing River Bank Protection Works at Guthail Bazar.
- Huge immovable properties situated in and around the eroding bank of the river with approximate total worth of Tk. 131680.00 lakh which are supposed to be adversely affected were saved by the proper implementation of the project through construction of 2.50 Km long bank protection work along with protective work by using 250 kg size geo-bag under the project.

4.4.2. Indirect.

- Environmental up gradation.
- Safety of human livelihood and properties.
- Improvement of socio-economic condition.

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. Local workers and suppliers were closely involved in construction works.

4.7. Possibility of Self-employment.

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

Guthail is an old Big Marketplace (Bazar) for year together. As per design we constructed a Bazar Ghat which facilitated the River line communication for all types of goods transportation.

4.8. Possibility of women-employment opportunity.

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

4.9. Women's participation in development.

Local village women are becoming self-entrepreneur.

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, and women's representatives etc.

Happy with the project.

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

Not Applicable.

05. 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	: N/A.
Manpower	: N/A.
Law & Order	: N/A.
Natural calamity	: Flood Sustained. Morphological changes led to changed dredging alignment.
Project financing, allocation and release	: N/A.
Design formulation/approval	: N/A.
Project aid disbursement and re-imbursement	: N/A.
Mission of the development partners.	: N/A.
Time & Cost Over-run	: N/A.
Project Supervision/Inspection	: N/A.
Delay in Decision	: N/A.
Transport	: N/A.

Training

: N/A.

Approval

: RDPP approval delayed due to nationwide Covid-19 situation.

Others

: N/A.

06. Remarks & Recommendations of the Project Director:

Every flood changes the river with new channels forming and old channels disappearing. This results in an overall "braided" system of many parallel channels with unpredictable and constantly shifting flow fields and erosion locations.

Similar sand bar started to develop in front of the segment from Guthail Bazar to downstream of Guthail Bazar. It was then expanded and a big char land was being formed. Its level was also growing. Farmers living around the area had started cultivation on the vast char land and some homesteads were also built there. The main channel of the Jamuna River shifted towards western side. But a narrow and shallow channel was existing near the left bank of Jamuna River. The local people constructed an earthen dam having insufficient section on the channel for several years, but the earthen dam was breached and demolished during flood periods. It may be mentioned that the dead/Spill channel contained a very small amount of water and that amount of water does not provide irrigation facilities to the char area's crops. The farmers used to produce crops which required small quantity of water in the area and that water was collected from the Jamuna's main channel and natural Rainfall in that area.

Present project has been formulated to construct a 2.50 Km bank protection work over the bank of the Jamuna River and dredging of 9.40 Km Jamuna River for creating a diversion channel to supplement the bank protection work in resisting the spill channel to protect erosion in Guthail area of Islampur Upazila in Jamalpur District. Implementing this project helps to protect Guthail and its adjacent area of Islampur, Jamalpur.

Construction of bank protection work over a bank line with a low cost but intelligent design using earthen core along with armoring with 250 Kg sand filled geo bag is a good idea. After implementation of the bank protection work it has already been proved sustainable and fruitful.

Recommendation: Proper Monitoring is required so that, local or any source cannot misuse the bank protection work which will harm the construction. Regular periodic repair & maintenance works should be continued as and when required.


(Md. Abdul Matin Sarkar)
Chief Engineer
Central Zone,
&
Project Director.

Date:/...../2021

Signature and Seal of the Project Director.

07. Remarks/ Comments of Agency Head.

Bangladesh Army has implemented the project through delegated procurement in compliance with PPR. Enormous public and private establishments, as well as agricultural land covering the area of 1200 Ha worth 131680 lakh taka, have been protected from bank erosion of the Jamuna River. This project also provides a safeguard for previously implemented bank protection works of BWDB. Planned dredged materials management has ensured sustainability and longevity to 100 Ha of char area in Jamuna River.

Date...../...../2021

Signature (RAZUL RASHID)
Director General
BWDB, Dhaka.

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

Date...../...../2021

Signature and Seal.

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পানি সম্পদ মন্ত্রণালয়
পরিকল্পনা শাখা-২

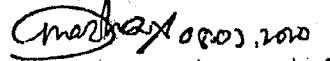
নং-৪২.০০.০০০০.০৪০.০১৪.০১৪.২০১৯-০৩

তারিখঃ ২১ পৌষ, ১৪২৬
০৫ জানুয়ারি, ২০২০

বিষয়ঃ “জামালপুর জেলার ইসলামপুর উপজেলাধীন বেলগাছা ইউনিয়নের কুলকান্দি ও গুঠাইল হার্ড পয়েন্টের মধ্যবর্তী যমুনা নদীর বামতীর রক্ষা” শীর্ষক প্রকল্পের মধ্যবর্তী মূল্যায়ন প্রতিবেদন প্রেরণ প্রসঙ্গে।

উপর্যুক্ত বিষয়ের প্রেক্ষিতে জানানো যাচ্ছে যে, বিষয়োক্ত প্রকল্পটির মধ্যবর্তী মূল্যায়ন প্রতিবেদনের সুপারিশ/মতামতের আলোকে পরবর্তী প্রয়োজনীয় ব্যবস্থা গ্রহণের নিমিত্ত পরিদর্শন প্রতিবেদন এতদসঙ্গে সংযুক্ত করে নির্দেশক্রমে প্রেরণ করা হলো।

সংযুক্তিঃ মধ্যবর্তী মূল্যায়ন প্রতিবেদন।


(মুহাম্মদ মাজহারুল ইসলাম চৌধুরী)
সহকারী প্রধান
ফোনঃ ৯৫৪৬৩৭৮

মহাপরিচালক

বাংলাদেশ পানি উন্নয়ন বোর্ড

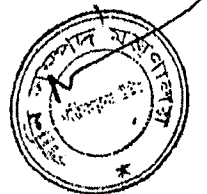
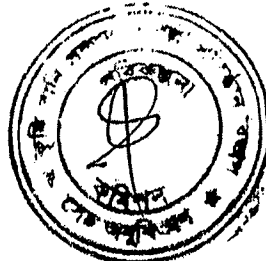
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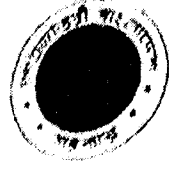
মতিঝিল বা/এ, ঢাকা।

(দৃঃআঃ প্রকল্প পরিচালক): “জামালপুর জেলার ইসলামপুর উপজেলাধীন বেলগাছা ইউনিয়নের কুলকান্দি ও গুঠাইল হার্ড পয়েন্টের মধ্যবর্তী যমুনা নদীর বামতীর রক্ষা”

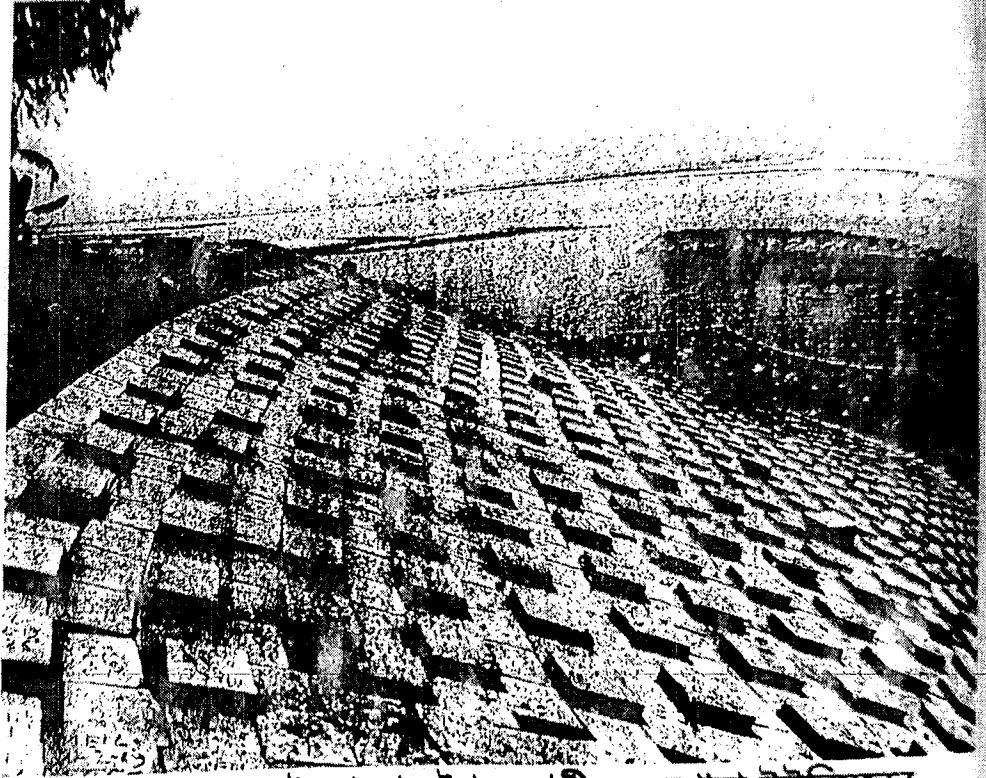
অনুলিপিঃ

- ১। নির্বাহী প্রকৌশলী, জামালপুর পওর বিভাগ, বাংলাদেশ পানি উন্নয়ন বোর্ড, জামালপুর।
- ২। যুগ্মপ্রধান মহোদয়ের ব্যক্তিগত কর্তৃকর্তা, পানি সম্পদ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৩। সংশ্লিষ্ট/মাস্টার নথি।



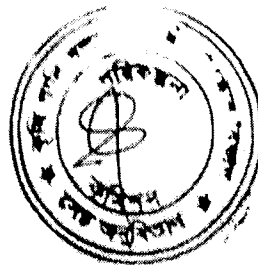


গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পানি সম্পদ মন্ত্রণালয়



“জামালপুর জেলার ইসলামপুর উপজেলাধীন বেলগাছা ইউনিয়নের
কুলকান্দি ও গুঠাইল হার্ডপয়েন্টের মধ্যবর্তী যমুনা নদীর বামতীর রক্ষা
প্রকল্প” এর মধ্যবর্তী মূল্যায়ন প্রতিবেদন

অক্টোবর, ২০১৯



ষষ্ঠ অধ্যায়

কমিটির পর্যবেক্ষণ

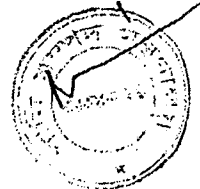
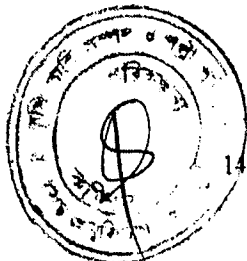
৬. কমিটির পর্যবেক্ষণঃ

প্রকল্প এলাকা সরেজমিনে পরিদর্শন, প্রকল্প সংশ্লিষ্ট কর্মকর্তাদের মতামত, জনপ্রতিনিধির মতামত এবং উপকারভোগীদের মতামতের ভিত্তিতে মধ্যবর্তী মূল্যায়ন কমিটি নিম্নরূপ পর্যবেক্ষণ প্রদান করেছেনঃ

- প্রকল্পটি মাঠপর্যায়ে পরিদর্শনকালে দেখা যায় যে, প্রকল্পের আওতায় গুঠাইল হার্ড পয়েন্টের উজানে এবং কুলকান্দি হার্ড পয়েন্টের ভাটিতে ১ম পর্যায়ের নদীতীর সংরক্ষণ কাজের প্রায় ৬৪% কাজ সমাপ্ত হয়েছে এবং আসন্ন মৌসুমে অবশিষ্ট কাজ সমাপ্তির লক্ষ্যে গৃহীত প্রত্নুতি সন্তোষজনক;
- এ প্রকল্পের আওতায় কুলকান্দি হার্ড পয়েন্ট ও গুঠাইল হার্ড পয়েন্টের মধ্যবর্তী যমুনা নদীর বামতীরে কিঃমিঃ ১.০০ হতে কিঃমিঃ ৩.৮৫= ২.৮৫কিঃমিঃ নদীতীর সংরক্ষণ কাজ মধ্যবর্তী মূল্যায়ন কমিটির সুপারিশের ভিত্তিতে বাস্তবায়িত হবে মর্মে অনুমোদিত ডিপিপিতে উল্লেখ রয়েছে। তবে নদীর Morphological পরিবর্তনে তা হ্রাস পেয়ে ২.৩০ কিঃমিঃ হয়েছে। পরিদর্শনকালে দেখা যায় এই ২.৩০ কিঃমিঃ অংশে যমুনা নদীর বামতীর ঘেঁষে বিস্তৃত চর জেগেছে এবং সম্প্রতিক সময় উল্লেখযোগ্য কোন ভাঙ্গান ঘটেনি;
- প্রকল্প এলাকার উপকারভোগীদের মতে প্রকল্প এলাকায় নদীতীর ভাঙ্গান অনেকাংশে হ্রাস পেয়েছে। প্রকল্প সমাপ্তির পরও রাজস্ব বাজেট বরাদ্দের মাধ্যমে নিয়মিত রক্ষনাবেক্ষণ করে প্রকল্পের কার্যকারিতা বজায় রাখতে হবে;
- প্রকল্প এলাকার উপকারভোগীগণ প্রকল্পের কার্যক্রমে এবং প্রকল্পের কাজ সম্পাদনে সন্তোষ প্রকাশ করে। প্রকল্পের ফলাফল ইতিবাচক হওয়ায় উপকারভোগীগণ সুফল ভোগ করছেন।



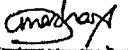
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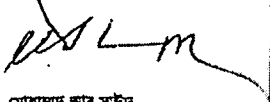
সপ্তম অধ্যায় কমিটির সুপারিশ

৭. কমিটির সুপারিশঃ

- অনুমোদিত ডিমিপিডে অন্তর্ভুক্ত কুলকান্দি হার্ড পয়েন্ট ও গুঠাইল হার্ড পয়েন্টের মধ্যবর্তী যমুনা নদীর বামতীরে কিঃমিঃ ১.০০ হতে কিঃমিঃ ৩.৮৫ = ২.৮৫ কিঃমিঃ নদীতীর সংরক্ষণ কাজ যা নদীর Morphological পরিবর্তনে তা হ্রাস পেয়ে ২.৩০ কিঃমিঃ হয়েছে। এই ২.৩০ কিঃমিঃ অংশে যমুনা নদীর বামতীরে যেখানে বিজুত চর জাগায় এবং সম্প্রতিক সময় উল্লেখযোগ্য কোন ভাঙন না থাকার কারণে এ অংশে নদীতীর সংরক্ষণ কাজ বাস্তবায়ন করার প্রয়োজন নেই;
- ডেজিং কাজের Spoil earth management বিষয়ে অধিকতর যত্নবান হতে হবে;
- ডিমিপি অনুযায়ী নির্দিষ্ট সময়ের মধ্যে কাজ বাস্তবায়ন নিশ্চিতকল্পে একটি সুনির্দিষ্ট কর্মপরিকল্পনা প্রণয়ন করে সে অনুযায়ী অগ্রসর হতে হবে;
- যথাযথ Specification এবং Design অনুসরণ করে কাজ বাস্তবায়নের বিষয়টি প্রকল্প কর্তৃপক্ষ নিশ্চিত করবে;
- প্রকল্পের কাজ বাস্তবায়নের ক্ষেত্রে কাজপূর্ব এবং কাজ পরবর্তী ছবি সংরক্ষণ করা প্রয়োজন। এতে বাস্তবায়িত কাজের ফলাফল যথাযথভাবে পর্যবেক্ষণ করা যায়;
- ভবিষ্যতে এ ধরনের প্রকল্পে আধুনিক প্রযুক্তি ব্যবহারের মাধ্যমে প্রকল্প পরিচালকের দপ্তর থেকে প্রকল্পের কাজ পরিবীক্ষণের ব্যবস্থা রাখা যেতে পারে।

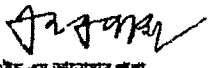

মুহাম্মদ মাজহারুল ইসলাম চৌধুরী
সহকারী প্রধান
পানি সম্পদ মন্ত্রণালয় ও সদস্য সচিব
মধ্যবর্তী মূল্যায়ন কমিটি

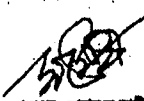

মোহাম্মদ মাসিউল আফ্রুন
মিনিয়র সহকারী প্রধান
কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ,
পরিকল্পনা কমিশন ও সদস্য,
মধ্যবর্তী মূল্যায়ন কমিটি

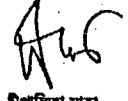

মোহাম্মদ আবু সাঈদ
নির্বাহী প্রকৌশলী,
জামালপুর পওর বিভাগ, বাশাউরো
ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি


সাইকুল ইসলাম
নির্বাহী প্রকৌশলী,
চীফ মনিটরিং এর দপ্তর, বাশাউরো
ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি

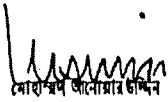

অবিন কুমার বিশ্বাস
প্রকল্প পরিচালক ও প্রধান প্রকৌশলী,
কেন্দ্রীয় অফিস, বাশাউরো, ঢাকা
ও সদস্য, মধ্যবর্তী মূল্যায়ন কমিটি

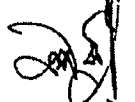

এ এইচ এম আমোয়ার পাশা
উপসচিব, উন্নয়ন-ও
পানি সম্পদ মন্ত্রণালয়, ও সদস্য,
মধ্যবর্তী মূল্যায়ন কমিটি

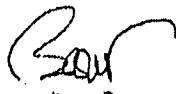

কসকার মোহাম্মদ আলী
পরিচালক,
জিএসইউও সদস্য,
মধ্যবর্তী মূল্যায়ন কমিটি

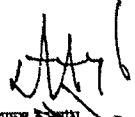

শীপাখিতা সাহা
উপ-প্রধান,
পানি সম্পদ মন্ত্রণালয়, ও সদস্য,
মধ্যবর্তী মূল্যায়ন কমিটি


এ কে এম আবুল কালাম আজম
উপ-প্রধান (সেত অনুবিভাগ),
কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ,
পরিকল্পনা কমিশন ও সদস্য,
মধ্যবর্তী মূল্যায়ন কমিটি


মোহাম্মদ আমোয়ার চান্দ
উপ-প্রধান,
কার্যক্রম বিভাগ, পরিকল্পনা কমিশন ও সদস্য,
মধ্যবর্তী মূল্যায়ন কমিটি


আবদুল আজিম চৌধুরী
মুখ্য প্রধান (সেত অনুবিভাগ),
কৃষি, পানি সম্পদ ও পল্লী প্রতিষ্ঠান বিভাগ,
পরিকল্পনা কমিশন ও সহ-আইনজ্ঞ,
মধ্যবর্তী মূল্যায়ন কমিটি


মঈনু কুমার বিশ্বাস
মুখ্য প্রধান (পরিকল্পনা),
পানি সম্পদ মন্ত্রণালয় ও আইনজ্ঞ,
মধ্যবর্তী মূল্যায়ন কমিটি


মাহমুদুল ইসলাম
ডেপুটি সচিব (উন্নয়ন),
পানি সম্পদ মন্ত্রণালয় ও উপদেষ্টা, মধ্যবর্তী মূল্যায়ন কমিটি



৫৬

