

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

**Name of the Project:** Protection of Bhuapur-Tarakandi Road through Protection of Left Bank of Jamuna River in Sharishabari Upazila of Jamalpur District (1<sup>st</sup> Revised).

**PROJECT PERIOD: JULY 2017 TO JUNE 2021.**

**DVISION** :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 Bhuapur-Tarakandi Road through Protection of Left Bank of Jamuna River in Sharishabari Upazila of Jamalpur District (1<sup>st</sup> 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:Sharishabari, District:Jamalpur.
05. **Object of the Project** :
- ❖ To safeguard Bhuapur-Tarakandi Road cum Embankment and BWDB's River Bank Protection Works at Kawamara, Pingna and Nalini Bazararea implemented with view to secure the said road cum embankment;
  - ❖ To arrest river bank erosion and flood protection coverage by construction of River Bank Protection works for a length of 2.70 km (from km 2.250 to km 4.950 at Pingna Bazar, Radhanagar & Bashuria) to an area of 12000 ha lands of Sharishabari Upazila of Jamalpur district;
  - ❖ To increase the conveyance capacity of Jamuna River by dredging;
  - ❖ To enhance socio-economic and environmental up gradation of that area.

06. **Estimated Cost:**

(In Lakh Taka)

	<b>Original</b>	<b>Latest Revised(1<sup>st</sup>)</b>
a. <b>Total</b>	20370.20	20076.74
b. <b>Taka</b>	20370.20	20076.74
c. <b>Foreign Currency</b>	-	-
d. <b>Project Aid</b>	-	-
e. <b>RPA</b>	-	-

07. **Date of Approval :**

PCP	PP
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- a. **Original** : 09/08/2017
- b. **Latest Revised (1<sup>st</sup>)** : 09/11/2020

08. **Implementation period :**

	<b>Date of Commencement</b>	<b>Date of Completion</b>
a. <b>Original</b>	July, 2017	June, 2019
b. <b>1<sup>st</sup> No Cost Time Extension</b>	July, 2017	June, 2020
c. <b>Latest Revised(1<sup>st</sup>)</b>	July, 2017	June, 2021
d. <b>Actual</b>	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
20076.74	-	20076.74	-

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
<b>Total</b>	20370.20	20076.74	20076.47	- 1.42%	Did not Over-run.
<b>Taka</b>	20370.20	20076.74	20076.47		
<b>PA</b>	-	-	-		

**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)						
<b>Total</b>						

**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
<b>Revenue Component:</b>						
Project allowance	1 item	94.04	1 item	94.04	1 item	
Mid-Term Evaluation	1 item	10.00	1 item	10.00	1 item	
Honourium for PSC, PIC, TEC, etc. members	1 item	7.80	1 item	7.80	1 item	
Telephone/Mobile	1 item	5.00	1 item	5.00	1 item	
Hiring Charge	1 item	241.94	1 item	241.94	1 item	
Travel allowance	1 item	1.50	1 item	1.50	1 item	
Petrol & Lubricant	1 item	2.99	1 item	2.99	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	

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
Program/Festival	1 item	10.00	1 item	10.00	1 item	
Camp office setup	1 item	172.21	1 item	172.21	1 item	
Camp office maintenance	1 item	82.99	1 item	82.99	1 item	
<b>Sub-Total (A):</b>		<b>671.47</b>		<b>671.47</b>		
<b>Capital Component:</b>						
Computer (Printer, Scanner, Projector)	Nos	2.00	2 Nos	2.00	2 Nos	
Dredging work in front of Pingna, Radhanagar & Bashuria (6.00 km, 67,03,798 cum)	Km	10189.77	6.00 km (67,03,798 Cum)	10189.50	6.00 Km (67,03,798 Cum)	Pre-Work Measurement = 67,03,798 Cum Post-Work Measurement =67,03,798 Cum
Permanent Bank Protective Work at Pingna Bazar from km 2.25 to km 4.95 =2.70 km	Km	9213.50	2.70 km	9213.50	2.70 km	
<b>Sub Total-(B):</b>		<b>19405.27</b>		<b>19405.00</b>		
Physical Contingency	-	0.00		0.00		
Price Contingency	-	0.00		0.00		
<b>Total (A+B):</b>		<b>20076.74</b>	<b>100.00%</b>	<b>20076.47</b>	<b>100.00%</b>	

**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. Fakhru 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 in front of Pingna, Radhanagar & Bashuria (6.00 km, 67,03,798 cum)	Original- 105.46 1 <sup>st</sup> Revised 101.89	Original- 105.46 1 <sup>st</sup> Revised 101.89	Delegated to Bangladesh Army	Delegated to Bangladesh Army (MOU on 02/07/2018)	Original: June 2019 Revised: June 2021	June 2021
Permanent Bank Protective Work at Pingna Bazar from km 2.25 to km 4.95 = 2.70 km	Original- 96.96 1 <sup>st</sup> Revised 92.13	Original- 96.96 1 <sup>st</sup> Revised 92.13	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	PA	Physical %	Total	Taka	PA	Physical %
1	2	3	4	5	6	7	8	9
2017-18	5545.95	5545.95	-	44.00%	4.47	4.47	-	0%
2018-19	14824.25	14824.25	-	56.00%	9709.94	9709.94	-	44.00 %
2019-20	-	-	-	-	9567.00	9567.00	-	56.00 %
2020-21	-	-	-	-	795.33	795.33	-	0%
<b>Total</b>	<b>20370.20</b>	<b>20370.20</b>	<b>-</b>	<b>100.00%</b>	<b>20076.74</b>	<b>20076.74</b>	<b>-</b>	<b>100.00%</b>

#### 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	5.00	5.00	-	0.02%	3.00	0.00	0.00	-	0.02%
2018-19	9712.00	9712.00	-	68.45%	9712.00	9710.95	9710.95	-	68.45%
2019-20	10654.00	10654.00	-	31.53%	9567.00	9567.00	9567.00	-	31.53%
2020-21	800.00	800.00	-	0.00%	798.52	798.52	798.52	-	0.00%
<b>Total</b>	<b>21171.00</b>	<b>21171.00</b>	<b>-</b>	<b>100.00%</b>	<b>20080.52</b>	<b>20076.47</b>	<b>20076.47</b>	<b>-</b>	<b>100.00%</b>

### D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(a)To safeguard Bhuapur-Tarakandi Road cum Embankment and BWDB's River Bank Protection Works at Kawamara, Pingna and Nalini Bazar area implemented with view to secure the said road cum embankment	Safeguard to Bhuapur-Tarakandi Road cum Embankment has been ensured from flood damage by completing River Bank Protection Work.	No shortfall

Objective as per DPP	Actual achievement	Reasons for shortfall, if any.
(b) To arrest river bank erosion and flood protection coverage by construction of River Bank Protection works for a length of 2.70 km (from km 2.250 to km 4.950 at Pingna Bazar, Radhanagar & Bashuria) to an area of 12000 ha lands of Sharishabari Upazila of Jamalpur district	River erosion has been arrested & flood risk has been minimized in the Project area due to dredging.	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 enhance socio-economic and environmental up gradation of that area	After Implementation of 2.70 Km River Bank Protection work, river bank erosion has stopped. Local people got secured from river erosion. This has resulted multi-sectorial business development, increase of agricultural production. As a result, socio-economic condition has been improved and environmental up gradation of that area has been occurred.	No shortfall

### **E. BENEFIT ANALYSIS:**

#### **01. Annual Out-put:**

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-puts during the 1 <sup>st</sup> year of operation at full capacity (or during real production for newly completed project)
1	2	3	4
Safeguard to river bank erosion	ha	12000	12000
Cultivable Land of the Local People	ha	1000	1000
Crops of Cultivable Land of the Local People	ha	1000	1000
Residential Land of the Local People	ha	360	360
Kacha/ Pucca House	no	2000	2000
Kacha/Semi Pucca/ Pucca Shops	no	340	340
Metalled Road	Km	10.00	10.00
Market	no	2	2
Post Office	no	1	1
Schools/ Colleges/ Mosques/ Madrasha/ Upazila Complex/ NGO Office, Upazila Health Complex/ UP Office/ Saw Mill, Hat Bazar, etc.	no	45	45



**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	1.72:1.00	
(ii) Economic	1.97:1.00	
(2) Internal rate of return		
(i) Financial	23.90%	
(ii) Economic	27.97%	

**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
<b>(a) Ministry / Agency:</b>			
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.	27/10/2019	Not found	
Motahar Hossain Chief Engineer, Design, BWDB.	27/10/2019	Not found	
Md. Abdul Matin Sarkar Chief Engineer, Central Zone, BWDB.	Several times	Not found	
Mantu Kumar Biswas Joint Chief, MoWR.	30/11/2019	Not found	
A.K.M. Shafiqul Haque Superintending Engineer, Mymensingh O&M Circle, BWDB, Mymensingh.	27/10/2019	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	
<b>Mid-Term Evaluation Committee:</b>			
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>(b) IMED:</b>			
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	
<b>(c) Others (Please specify):</b>			
Nur-E-Alam Mohammad Jobayer Sarwar, psc Brigadier General, 24 Engineer Construction Brigade, Bangladesh Army.	Several times	Not found	

Name & Designation of the inspecting official	Date of inspection	Identified Problems	Recommendations
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

Devastating erosion occurred since June 2001 at Pingna Bazar, Radhanagar, Bashuria, etc. of Sharishabari Upazila. Considering the intensity/velocity of river erosion rate at these affected places, it seems that the said affected segment of Bhuapur-Tarakandi embankment cum road are supposed to be washed out into the river unless emergency permanent revetment work to be constructed within next financial year. The existing Bhuapur-Tarakandi embankment cum road is the sole way of road communication network from entire Jamalpur district and Jamuna Fertilizer Industry towards northern & southern Bangladesh. In the situation, entire road communication of the region will be disrupted by the continuous threat of riverbank erosion at the affected place. Besides, vast important local area under Sharishabari Upazila in the district of Jamalpur and Gopalpur, Modhupur, Ghatail & Kalihati Upazila will be affected by the severity of seasonal floods. On the other hand, vast arable lands will be adversely affected for reduction of soil fertility by land deposition due to intrusion of flood water with sands.

During the flood 2007, severe river bank erosion occurred at the Pingna Bazar and its adjacent areas. River bank eroded at an average of 8.00 – 10.00 meter along the affected areas. The site was visited by the Director General, BWDB, Dhaka.

The site was visited by the Hon'ble Minister for Ministry of Water Resources, Hon'ble State Minister for Water Resources, the Secretary of Ministry of Water Resources, the Addl. Director General of BWDB, Dhaka on 11-06-2014 and instructed to take necessary action to reduce the threat of damages of the left bank of the Jamuna River at the said location. It may be mentioned here that a Technical Committee was formed to explore the reasons of bank erosion and suggest the possible measures against the havoc vide the Secretariat, BWDB, Dhaka's memo no. 124-BWDB/Sectt/ER/Section-1/Loose-2013, dated 21/11/2013. In compliance of the instructions, necessary designs have been prepared and protective work has been proposed.

## 1.2. Justification/Adequacy:

Bangladesh is a densely populated with poor natural resources base, lack of industrialization and vulnerability to natural disasters; like flooding, river bank erosion, saline inundation and cyclones etc. made Bangladesh as one of the undeveloped countries in the world. The major problem responsible for poverty includes high level of landlessness due to river bank erosion (i.e. population displacement and potential erosion damages and losses to productive agricultural and urban land and 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 proposed Project is placed in environmental screening category B since its bank protective works by construction of improved bank revetment work; do not create irreversible and diverse adverse physical and social impacts. Identifiable adverse impacts would be confined to the implementation period, and shall occur primarily in one or two construction seasons each lasting several months. As such, the proposed interventions by providing river bank protective work and development of embankment have very little impacts or no negative impacts in and around the area. The proposed project would prevent the erosion loss of about 1000 ha of riparian land including about 500 ha. of urban and semi-urban built-up area in the vicinity of Pingna Bazar-Kablibari-Sonamukhi areas of Sharishabari Upazila of Jamalpur District and protect a population of about 225000 people from loss of land, livelihood, property, displacement and impoverishment. It would also prevent severe flood damage to crops, property and infrastructure as a result of embankment breached induced increased flooding from the Jamuna River.

## 1.3.Objectives:

- ❖ To safeguard Bhuapur-Tarakandi Road cum Embankment and BWDB's River Bank Protection Works at Kawamara, Pingna and Nalini Bazar area implemented with view to secure the said road cum embankment;
- ❖ To arrest river bank erosion and flood protection coverage by construction of River Bank Protection works for a length of 2.70 km (from km 2.250 to km 4.950 at Pingna Bazar, Radhanagar & Bashuria) to an area of 12000 ha lands of Sharishabari Upazila of Jamalpur district;
- ❖ To increase the conveyance capacity of Jamuna River by dredging;
- ❖ To enhance socio-economic and environmental up gradation of that area.

## 1.4. Project revision with reasons:

The Project was approved by ECNEC on 09/08/2017. Main components of the project were Construction of 3.20 Km River Bank Protection work along the left bank of the Jamuna river at Pingna Bazar of Sharishabari Upazila and river dredging in the Jamuna to create diversion channel with a length of 3.80 Km. Approved Project cost was Tk. 20370.20 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 widening the existing char along the dredging alignment. For this reason, the length of dredging needed to be increased to fulfill the 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 6.00 Km instead of 3.80 Km and River bank protection work has been reduced to 2.70 Km from 3.20 Km. After approval of 1<sup>st</sup> Revised DPP by Honorable Minister, Ministry of Planning on 09/11/2020, Main components of the project was construction of 2.70 Km River bank protection work along the left bank of Jamuna River

and 6.00 Km dredging work in Jamuna River with a dredging volume of 67.038 lac cum. Revised project cost was Tk. 20076.74 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:**

Implementation of 2.70 Km. Protective Work & 6.00 Km Dredging will save the lives and valuable properties under the project area along with the important Bhuapur-Tarakandi Road cum Embankment at Sharishabari.

The nature and objective of the project have direct relevance of the national objectives of attaining self-reliance in food grain production, generation of rural development, poverty alleviation especially for rural poorer section, creation social & environmental balance and building economic infrastructures for the future generations to sustain.

**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 Pingna Bazar area of Sharishabari 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:**

According to the meeting minutes circulated vide MoWR, Planning Section-4, Dhaka's memo no. 42.00.0000.042.14.009.13-279, dated 18/11/2013, decision was taken to formulate a project comprising most important area of Pingna Bazar considering the proposed project as Hon'ble Prime Minister's Commitment Project to protect Cantonment and Fertilizer factory in an urgent basis.

For project formulation, BWDB authority constituted a Technical Committee by order of its secretariat vide memo no. 124-BWDB/Sectt/ER/Section-1/Loose-2013, dated 21/11/2013 to devise the best option of river bank protection work at Pingna Bazar area only. The said committee submitted the report preparing design and estimate. Later on, decision has been taken to incorporate dredging component in river bank protection project considering satellite images and Aerial view of submerged char's along with hydrological and morphological status of the river in ECNEC meeting held on 04 August 2015. Decision was again taken in ECNEC meeting held on 10/05/2016 to incorporate capital dredging component which costs 50% - 60% of the project cost in every protection and embankment related project.

Accordingly, present project has been formulated to construct 2.70 Km River bank protection work along the left bank of the Jamuna River and 6.00 Km Dredging work in Jamuna River to increase the conveyance capacity of River. Implementing this project helps to protect Pingna Bazar its adjacent area of Sharishabari, Jamalpur.

**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 1<sup>st</sup> 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 12000 ha near Pingna Bazar of Sharishabari Upazila of Jamalpur district have been ensured by construction of a bank protection work over a bank of Jamuna River for a length of 2.70 Km;
- Ensure safeguard to BWDB's existing River Bank Protection Works at Pingna Bazar.
- Huge immovable properties situated in and around the eroding bank of the river with approximate total worth of Tk. 106250.00 lakh which are supposed to be adversely affected were saved by the proper implementation of the project through construction of 2.70 Km long bank protection work along with protective work by using 250kg 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.

Pingna 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 transportations.

**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.
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:**

Bank line erosion of different rivers has been a recurrent effect. The present project is located at the downstream of Pingna Bazar about 12 km south of Sharishabari Upazila of Jamalpur district. The area is dispersed in the left bank of the Jamuna River.

The security of Bhuapur-Tarakandi Road-cum-Embankment, Horindhara Flood Control Embankment and bank side high roads and consequently the area protected by those structures has been seriously threatened by continued bank erosion at several most vulnerable areas; such as Pingna-Radhanagar & Radhanagar-Bhorua.

The construction of permanent bank protective works at Pingna Bazar area has definitely survived the security of Bhuapur-Tarakandi Road.

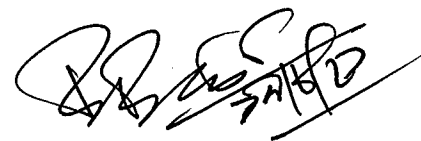
The loss of flood Embankment, homesteads and agricultural lands as well as other miscellaneous private and public properties has been quiet substantial. This has made many households landless and caused widespread impoverishment, especially to children and women. Many of the erosion affected people were forced to migrate out of their areas and take refuge in nearby urban or semi urban areas. Due to implementation of the proposed project, ensuring safety against erosion and thereby arresting the process of landlessness.

The implementation of bank protection work has stabilized the bank at Pingna Bazar Kablabari and Sonamukhi area including the area in vicinity.

The instruction of technical committee to change top RL from 14 at the crest level to top RL 17 is an excellent engineering adjustment which has facilitated the ground level from up to down.

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 establishment, as well as agricultural land covering the area of 12000 Ha worth 106250 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 been ensured sustainability and longevity to 100 Ha of char area in Jamuna River.

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

Signature (FAZLUR 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-৪২.০০.০০০০.০৪০.০১৪.০১৪.২০১৯-০৪

তারিখঃ ২১ পৌষ, ১৪২৬  
০৫ জানুয়ারি, ২০২০

বিষয়ঃ "জামালপুর জেলার সরিষাবাড়ী উপজেলাধীন যমুনা নদীর বামতীর সংরক্ষণের মাধ্যমে ডুমুরি-তারাকান্দি সড়ক রক্ষা" শীর্ষক প্রকল্পের মধ্যবর্তী মূল্যায়ন প্রতিবেদন প্রেরণ প্রসঙ্গে।

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

সংযুক্তিঃ মধ্যবর্তী মূল্যায়ন প্রতিবেদন।

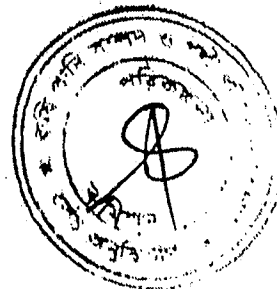
*Amad* ০৫.০১.২০২০  
(মুহাম্মদ মাজহারুল ইসলাম জেএম)  
সহকারী প্রধান  
ফোনঃ ৯৫৪৬৩৭৮

মহাপরিচালক  
বাংলাদেশ পানি উন্নয়ন বোর্ড  
ওয়াপদা ভবন  
মতিঝিল বা/এ, ঢাকা।

(দৃঃআঃ প্রকল্প পরিচালক)ঃ "জামালপুর জেলার সরিষাবাড়ী উপজেলাধীন যমুনা নদীর বামতীর সংরক্ষণের মাধ্যমে তারাকান্দি সড়ক রক্ষা"

অনুলিপিঃ

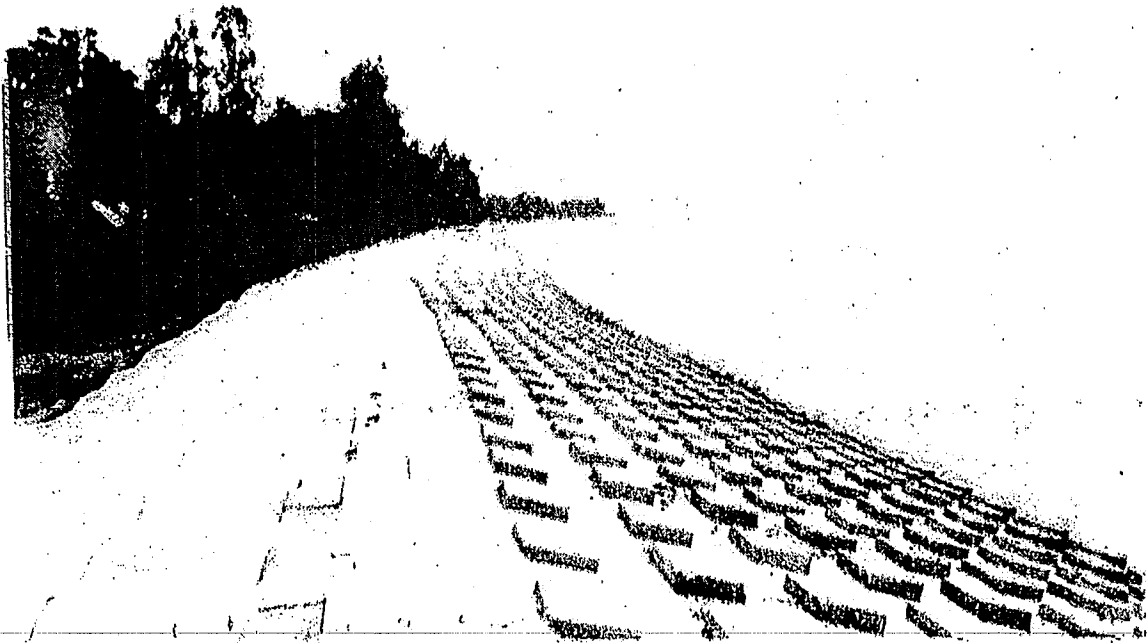
- ১। নির্বাহী প্রকৌশলী, জামালপুর পওর বিভাগ, বাংলাদেশ পানি উন্নয়ন বোর্ড, জামালপুর।
- ২। যুগ্মপ্রধান মহোদয়ের ব্যক্তিগত কর্তৃত্ব, পানি সম্পদ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ৩। সংশ্লিষ্ট/মাস্টার নথি।





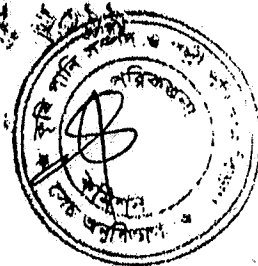
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

পানি সম্পদ মন্ত্রণালয়



“জামালপুর জেলার সরিষাবাড়ী উপজেলাধীন মকুনা নদীর বামতীর  
সংরক্ষণের মাধ্যমে ভূয়স্পূর-তারাকান্দি সড়ক নক্ষা প্রকল্প” এর  
মধ্যকার মূল্যায়ন প্রতিবেদন

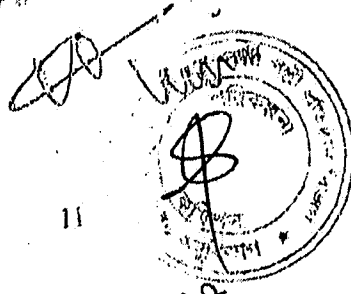
অনুমোদিত



## কমিটির পর্যবেক্ষণ

### ৩. কমিটির পর্যবেক্ষণঃ

- প্রকল্প এলাকা সরেজমিনে পরিদর্শন, প্রকল্প সংশ্লিষ্ট কর্তৃকর্তা, জনপ্রতিনিধি এবং উপকারভোগীদের সম্মেলনের ভিত্তিতে সখ্যবর্তী মূল্যায়ন কমিটির পর্যবেক্ষণ নিম্নরূপঃ
- প্রকল্পটি পাঠপথায় পরিদর্শনকালে দেখা যায় যে, মূল ডিগিপিতে ৩.৮০ কিঃমিঃ ডেজিংয়ের সংস্থান থাকলেও পাঠপথায় বাস্তব অবস্থার ভিত্তিতে সংশোধিত নকশা অনুযায়ী প্রকল্পের আওতায় ৬.০০ কিঃমিঃ ডেজিং কাজ বাস্তবায়িত হয়েছে। ডেজিং এর দৈর্ঘ্য বৃদ্ধি গেলেও মাটির পরিমাণ হ্রাস পেয়েছে এবং এ বাবদ ব্যয় অনুমোদিত ডিগিপির ব্যয়সীমার মধ্যে রয়েছে। পরিবর্তিত দৈর্ঘ্যে ডেজিং কাজ বাস্তবায়িত হওয়ার স্থানীয় জনগণ এর পূর্ণ সুকল তোগ শ্রুত করেছে। প্রকল্পের সংশোধিত ডিগিপিতে ডেজিং এর পরিমাণ ৬.০০ কিঃমিঃ প্রতিফলিত করা আবশ্যিক।
- প্রকল্পের আওতায় গিংমা বাজার এলাকায় খুয়া নদীর বাসতীরে কিঃমিঃ ২.২৫ হতে কিঃমিঃ ৫.৪৫ পর্যন্ত ৩.২০ কিঃমিঃ নদীতীর সংরক্ষণ কাজ অগ্রসৃত্ত রয়েছে। নদীর Hydrological পরিবর্তনের কারণে এ পরিমাণ হ্রাস পেয়ে ২.৭০ কিঃমিঃ হয়েছে।
- অনুমোদিত নকশা অনুযায়ী নদীতীর সংরক্ষণ কাজের Top RL ৭৪.০০ মিটার FWD (Public Works Datum) যা ECL (Existing Ground Level) এর সাথে Smooth Transition এর মাধ্যমে সমান্তর করার নির্দেশনা রয়েছে। কিন্তু, পরিদর্শনকালে দেখা যায়, নদীতীর সংরক্ষণ কাজের Top RL ৯৪.০০ মিটার FWD এর পরিবর্তে ভূপুত্র-ভারাকান্ডি সড়কের Crest লেভেল এর সাথে সমন্বয় করে কম বেশি ১৭.০০ মিটার FWD করা হয়েছে। এ বিষয়ে কারিগরি কমিটির সম্মত গ্রহণ করা প্রয়োজন নব্বৈ সখ্যবর্তী মূল্যায়ন কমিটির কাছে প্রতীক্ষান হই।



➤ প্রকল্প এলাকার উপকারভোগীদের সাথে আলোচনাম জানা যায়, প্রকল্পের কার্যক্রমে এলাকাবাসী সন্তুষ্ট এবং প্রকল্প এলাকায় নদীতীর ডাঙান অনেকাংশে হ্রাস পেয়েছে। প্রকল্পের ফলাফল ইতিবাচক হওয়ায় উপকারভোগীসমূহ সফল ভোগ করছে। পরিদর্শনের পর মনে হয়েছে যে প্রকল্প সমাপ্তির পর আবর্তক বাজেট বরাদ্দের আওতায় নিম্নমিত রক্ষণাবেক্ষণ এর মাধ্যমে প্রকল্পের কার্যকারিতা তথা টেকসই অবস্থা বজায় রাখতে হবে।

➤ প্রকল্পের আওতায় প্রায় ৩০০ মিটার অংশে নদী ভূয়াপুর-তারাকান্দি সড়ক ধিষে প্রবাহিত হচ্ছে যেখানে নদীর সেটব্যাক শূণ্য দাড়িয়েছে। গত বর্ষায় আগদকালীন ব্যবস্থা হিসেবে জিওব্যাগ ডাম্পিং ও প্রেসিং করে গুরুত্বপূর্ণ সড়কটি নদী ডাঙান হতে রক্ষা করা হয়েছে মর্মে জানিয়ে উক্ত কাজটি অতিরিক্ত কাজ হিসেবে বাংলাদেশ সেনাবাহিনীর পক্ষ হতে দাবি জানানো হয়। তবে এ অংশ চুক্তিকৃত কাজের চেইনেজে অন্তর্ভুক্ত থাকায় তাদের দাবির যৌক্তিকতা করিগরী কমিটি কর্তৃক যাচাই অস্তে নিষ্পত্তি করা সমীচীন হবে মর্মে মধ্যবর্তী সূচ্যমান কমিটির কাছে প্রতীয়মান হয়।

*[Handwritten signatures and initials]*



৭৬

সপ্তম অধ্যায়  
কমিটির সুপারিশ

### ৭. কমিটির সুপারিশঃ

- কমিটির সুপারিশঃ**
- প্রকল্পটির মূল ডিপিপিতে ৩.৮০ কিঃমিঃ ড্রেজিংয়ের সংস্থান থাকলেও মাঠপর্যায়ে বাস্তব অবস্থার ভিত্তিতে সংশোধিত নকশা অনুযায়ী প্রকল্পের আওতায় ৬.০০ কিঃমিঃ ড্রেজিং কাজ বাস্তবায়িত হয়েছে বিধায় প্রকল্পের সংশোধিত ডিপিপি-তে ড্রেজিংএর পরিমাণ ৬.০০ কিঃমিঃ প্রতিফলিত করতে হবে;
  - নদীতীর সংরক্ষণ কাজের অনুমোদিত নকশা অনুযায়ী Top RL ১৪.০ মিটার PWD থাকা সত্ত্বেও যে সকল স্থানে ভূয়ালুর-তারাকান্দি সড়কের Crest লেভেল এর সাথে সমন্বয় করে Top RL ১৭.০ মিটার PWD করা হয়েছে ঐ সকল স্থান পানি উন্নয়ন বোর্ডের কারিগরি কমিটি কর্তৃক সরেজমিনে পরিদর্শন করে সুপারিশ/মতামত প্রদান করবোকারিগরি কমিটির মতামত অনুযায়ী বিষয়টি প্রকল্পের সংশোধিত ডিপিপি-তে প্রতিফলিত করতে হবে;
  - গত বর্ষীয় ভূয়ালুর-তারাকান্দি সড়কটি নদী ভাঙান হতে রক্ষার নিমিত্তে আগদকালীন ব্যবস্থা হিসেবে প্রকল্পের আওতায় প্রায় ৩০০ মিটার অংশে জিওব্যাগ ডাম্পিং ও প্লেসিং করা হয়েছে, যা অতিরিক্ত কাজ হিসেবে বাংলাদেশ সেনাবাহিনীর পক্ষ হতে দাবি জানানো হয়। তবে এ অংশ চুক্তিকৃত কাজের চেইনেজে অন্তর্ভুক্ত থাকায় তাদের দাবির যৌক্তিকতা করিগরি কমিটি কর্তৃক যাচাই অন্বে নিষ্পত্তি করা সমীচীন হবে;
  - অনুমোদিত ডিপিপির কর্মপরিকল্পনা অনুযায়ী নির্ধারিত মেয়াদে প্রকল্প বাস্তবায়নের বিষয়টি নিশ্চিত করতে হবে;
  - প্রকল্পের কাজ বাস্তবায়নকালে কাজপূর্ব এবং কাজ পরবর্তী ছবি সংরক্ষণ করা প্রয়োজন যাতে বাস্তবায়িত কাজের ফলাফল সঠিকভাবে পরিবেশন করা যায়।

[illegible]