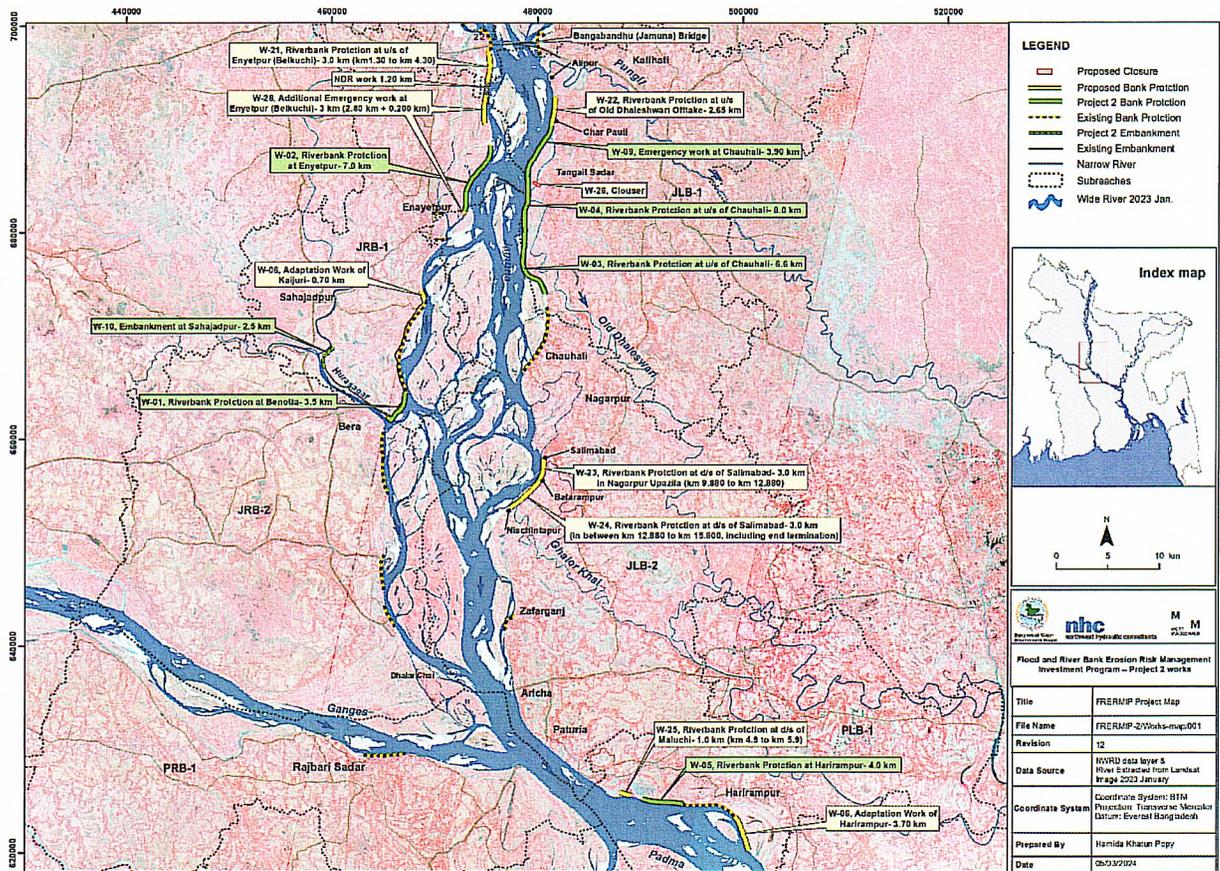


REPORT OF THE TECHNICAL COMMITTEE IN C/W

Flood and Riverbank Erosion Risk Management Investment Program (Project-2)



March 2024

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A Technical Committee for “Flood and Riverbank Erosion Risk Management Investment Program (Project-2) was formed (as stipulated in the DPP) as per approval of Director General, BWDB, Dhaka (**Annexure-A**).

The first visit of the technical committee in the project area was on 25 March 2023. The technical committee provided their recommendations (**Annexure-B**) on various issues including reducing the work length of Package No. W-03, incorporation of additional new work & supply packages. Accordingly the DPP was revised with inclusion of 6 Nos. Protective work and 5 Nos. Geo-Bag supply packages.

4th Project Steering Committee (PSC) meeting of the project was held on 22 February 2024. Along with other decisions, the PSC decided that the following issues to be addressed on the basis of opinion/decision of the Technical committee after their site visit. Minutes of the PSC Meeting annexed, **Annexure-C**

1. Execution of 1500m Protective work at D/S of W-03 Package due to extension/development of char.
2. Execution of Protective Work at more vulnerable locations in lieu of 1300.00 m under W-26 Package.

Following the decisions of the 4th meeting of the PSC, the technical committee visited the project area at the both bank of Lower Jamuna river on 10 March 2024 (**Annexure-D**) to provide committee's opinion/decision on the above mentioned issues.

The field visit was attended by the following members of the Technical Committee & project officials:

1. A.K.M Tahmidul Islam, Additional Director General (Planning, Design & Research), BWDB, Dhaka & Chairperson, Technical Committee.
2. Md. Rafiqul Islam Choubey, Chief Engineer (Civil), Monitoring, BWDB, Dhaka & Member, Technical Committee.
3. Dr. Shamal Chandra Das, Chief Engineer (Civil), Planning, BWDB, Dhaka & Member, Technical Committee.
4. Md. Ruhul Amin, Project Director, PMO-FRERMIP, BWDB, Dhaka & Member-Secretary, Technical Committee.
5. Md. Abdul Basit, Chief Engineer (Civil), Design, BWDB, Dhaka & Member, Technical Committee.
6. Md. Mahfuzur Rahman, Chief Engineer (Civil), River Management, BWDB, Dhaka & Member, Technical Committee.
7. Md. Sultan Mahmud, Superintending Engineer (Civil), PMO-FRERMIP, BWDB, Dhaka & Member, Technical Committee.
8. Md. Mahbubur Rahman, Executive Engineer (Civil), Construction Division Koitola, FRERMIP, BWDB, Koitola, Pabna.
9. Md. Shazzad Hossain, Executive Engineer (Civil), Tangail O&M Division, BWDB, Tangail.

A series of handwritten signatures in blue ink, corresponding to the list of members above. The signatures are arranged horizontally and include various styles of initials and full names.

10. Md. Harun-ur-Rasheed, Ex- Chief Engineer (Civil), Design, BWDB & Member, Technical Committee.
11. Md. Fahad Hasan, Executive Engineer (Civil), PMO-FRERMIP, BWDB, Dhaka.
12. M. Nazmul Islam, Executive Engineer (Civil), PMO-FRERMIP, BWDB, Dhaka.
13. Sudipta Kumar Hore, Associate Specialist, CEGIS, Dhaka. (Representative of Dr. Maminul Haque Sarkar, Senior Advisor, River, Delta and Coastal Morphology, CEGIS, Dhaka & Member, Technical Committee)
14. Knut Oberhagemann, Team Leader, ISPMC, FRERMIP (Project 2) & Member, Technical Committee.

Technical Committee's observations during site visit are as follows:

Site 1: Jamuna River Left bank: Work Package W-03

The Committee first visited the site of Work Package W-03 to overview the progress and present site condition of protective work under this package. During the visit, Project Director informed the Committee that in original approved DPP, the length of work package W-03 was 7.50 KM. But before execution of the work, due to the morphological change, a big char land developed from previous bank line. The technical committee in their 1st visit on 25.03.2023 recommended that "2.00 km protective work at the down-stream end of Package W-03 may kept under observations". As per recommendation of Technical Committee 1st report (March 2023) the working length came to 6.00 KM and accordingly the length of the work has been reduced in the RDPP. Presently during site visit, the Technical Committee observed that a vast char induced enough and develops towards up-stream causing the change in the flow direction towards the bank & in this circumstances opined to reduce a reach of around 700m length at D/S from 6000m W-03 Package and the working length may come to an end around 5.30 KM. If erosion occurs in next consequences in the D/S length area, the required length may be taken up for protective measures in the follow-on project.

Site 2: Jamuna River Right bank: Work Package W-26 Area

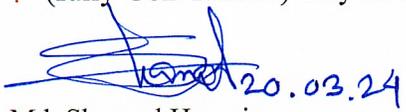
An additional emergency Package W-26 is incorporated in RDPP and accordingly RDPP has been approved. The committee visited Package W-26. Project Director informed the Committee that under additional emergency Package W-26, it was considered to prevent bank erosion at D/S of existing & ongoing protective works at Enayetpur (Package: W-2) and at Belkuchi (Package: W-21) under Belkuchi Upazilla of Sirajganj District. Considering present morphological changes, committee members suggested that around 600m of D/S part of Enayetpur area may be kept under observation & if further needed then may be incorporated in the follow-on project.

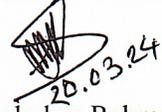
Site 3: Jamuna River Right bank: Work Package W-07 Area

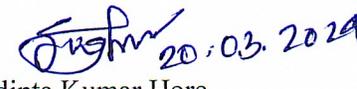
Committee members also visited Hatpachil to Benotia area to observe the implemented Protective Work under JEMREMP and GoB funded project at Hatpachil area. Executive Engineer, SMO, Koitala, FRERMIP, BWDB briefed at the site that there is a gap about 600m in between JEMREMP Work and Hatpachil Project. For the protection of the implemented work and to make it sustainable, the Committee agreed to the decision of PSC to implement the 600m protective work under the project.

Recommendations:

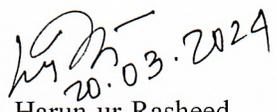
01. Around 700m of D/S part of Package W-03 may be kept under observation. If further needed may be considered in the follow-on project.
02. Around 600m of D/S part of Enayetpur area under W-26 Package may be kept under observation & if it is needed further then may be incorporated in the follow-on project.
03. Additional 600 m of protective work between JMREMP Work and ongoing Hatpachil Project (fully GoB funded) may be included under the FRERMIP (Project-2), if possible.

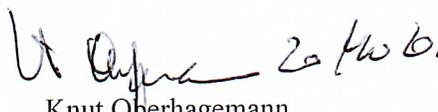

20.03.24
Md. Shazzad Hossain
Executive Engineer (Civil)
Tangail WD Division
BWDB, Tangail.

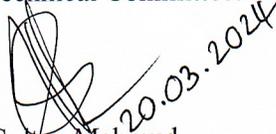

20.03.24
Md. Mahabubur Rahman
Executive Engineer (Civil)
Construction Division, FRERMIP,
Koitola, Bera, BWDB, Pabna.

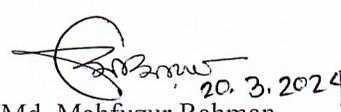

20.03.2024
Sudipta Kumar Hore
Associate Specialist
CEGIS, Dhaka.

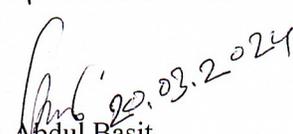

Prof. Dr. Abdul Matin (in PRL)
Department of Water Resources
Engineering, BUET, Dhaka &
Member, Technical Committee.

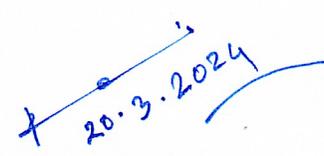

20.03.2024
Md. Harun-ur-Rasheed
Ex-Chief Engineer (Civil),
Design, BWDB &
Member, Technical Committee.

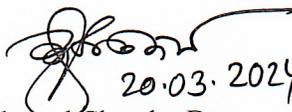

20.03.2024
Knut Oberhagemann
Team Leader, ISPMC
FRERMIP (Project 2) &
Member, Technical Committee.

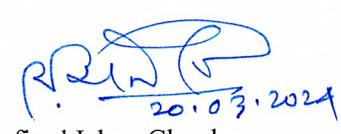

20.03.2024
Md. Sultan Mahmud
Superintending Engineer (Civil)
PMO-FRERMIP,
BWDB, Dhaka &
Member, Technical Committee.


20.3.2024
Md. Mahfuzur Rahman
Chief Engineer (Civil)
River Management
BWDB, Dhaka &
Member, Technical Committee.


20.03.2024
Md. Abdul Basit
Chief Engineer (Civil)
Design & Research
BWDB, Dhaka &
Member, Technical Committee.


20.3.2024
Md. Ruhul Amin
Project Director
PMO-FRERMIP
BWDB, Dhaka &
Member-Secretary, Technical
Committee.


20.03.2024
Dr. Shamal Chandra Das
Chief Engineer (Civil)
Planning, BWDB, Dhaka &
Member, Technical Committee.

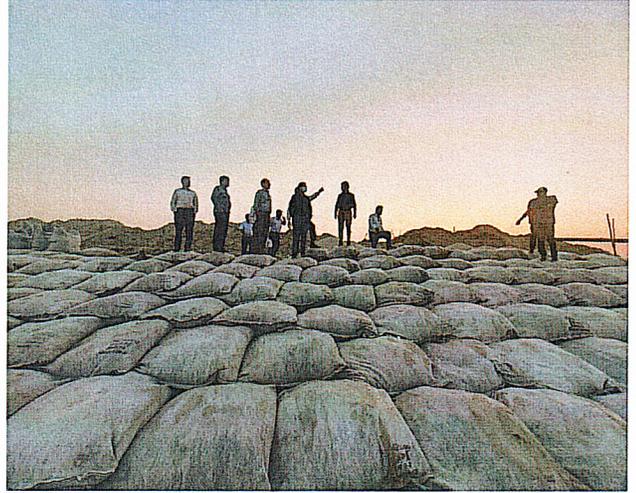

20.03.2024
Md. Rafiqul Islam Choubey
Chief Engineer (Civil)
Monitoring
BWDB, Dhaka &
Member, Technical Committee.


20/03/24
A.K.M Tahmidul Islam
Additional Director General
(Planning, Design & Research)
West Region,
BWDB, Dhaka &
Chairperson, Technical Committee

Site Visit Images



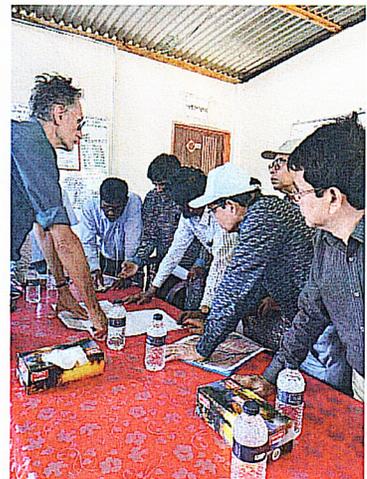
All the Committee Members & Project Officials



At W-21 Package Working Site at Sirajganj



At W-03 Package Working Site at Tangail



At W-04 Package Site Office at Tangail

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