



Government of the People's Republic of Bangladesh
Bangladesh Water Development Board (BWDB)

Coastal Embankment Improvement Project, Phase-1 (CEIP-1)



**Consultancy Services for Feasibility Studies and
Preparation of Detailed Design for the Following Phase (CEIP-2)**

Progress Report No. 6
January 2022



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1. General

1.1 Introduction

A Consultancy Contract was signed on 19th July 2021 between the Bangladesh Water Development Board (BWDB) and the Consultant to provide Consultancy Services for Feasibility Studies and Detailed Design for the next Phase of the Coastal Embankment Improvement Project. The Consultant is represented by the Joint Venture (JV), being Royal HaskoningDHV (RHDHV) lead firm from The Netherlands, Northwest Hydraulic Consultants (NHC) from Canada and Inros Lackner (INROS) from Germany. The JV will implement the Consultancy Services in association with Bangladesh sub-consultants Development Design Consultants (DDC), Strategic Planning and Management Consultants (SPMCS), Knowledge Management Consultants (KMC) and Center for Environmental and Geographic Information Services (CEGIS).

As per the Terms of Reference the main objective of the Consultancy Services is to support BWDB in preparation of comprehensive coastal embankment improvement program and implementation of the following phases of CEIP.

Following CEIP-1, the next phase of CEIP is intended to improve certain polders of the remaining 122 polders and to that end a selection will have to be made of a next batch of 13 polders. These 13 polders will be combined with the 7 polders from the envisaged Package 3, and an optimal investment option will be selected. From this investment plan the first batch of polders will be taken forward for the preparation of tender documents for the next phase of CEIP.

The Consultancy Services comprise the preparation of a Feasibility Study according to the international standards, which will form the basis for project appraisal by the World Bank and the Government of Bangladesh (GoB) and will also cover the preparation of detailed designs and bidding documents of a batch of works to be implemented under the next phase of CEIP. Preparation of feasibility studies for the 13 selected polders as identified in the investment plan and tender documents for the first batch of polders as identified in the investment plan to be implemented under the next phase of the project.

This Monthly Progress Report (MPR) is over the month of January 2022 and will provide information and details on the activities and progress of this month.

1.2 Key challenges, risks and recommendations

1.1.1 Key challenges and risks

Some key challenges and risks are summarised as follows:

- It is important that the Polder Screening Report and the Prioritization Report are approved soonest in order not to have further delays;
- The same holds for approval of the Inception Report.

1.1.2 Recommendations

It is recommended that approvals of submitted reports is done soonest.

1.3 Contractual Tasks of Consultants as per Terms of Reference

The main tasks of the Consultancy Services as per Terms of Reference are listed in Table 1-1.

Table 1-1: Contractual Tasks of Consultants

Task 1: Prioritization to select the next batch of polders for CEIP	
Task 1.1	Prioritization of 122 polders and selection of 23 polders for detailed prioritization
Task 1.2	Detailed prioritization of 23 polders and selection of 13 polders for Feasibility Study
Task 1.3	Selection of an optimal investment option
Task 2: Preparation of Feasibility Studies for the 20 polders (including updating/reviewing 7 Polders of Package-1 of CEIP-1) selected in Task 1	
Task 2.1:	Preparation of feasibility level designs
Task 2.2	Project benefits and economic analysis
Task 2.3:	Social assessment and beneficiary participation aspects
Task 2.4	Environmental and Social Management Framework (ESMF)
Task 2.5	Update framework for Monitoring and Evaluation
Task 2.6	Assessment of International Waterway aspects
Task 3: Preparation of Detailed Design and Bidding Documents, ESIA's and LAP/RAP	
Task 3.1	Detailed Designs and Bidding Documents
Task 3.2	Environmental and Social Impact Assessments (ESIAs)
Task 3.3	Resettlement Action Plan (RAP)
Task 3.4	Preparation of Land Acquisition (LA) Plans and LA Proposals
Task 3.5	Project Implementation Plan and Procurement Packaging
Task 3.6.	Operation and Maintenance (O&M)

2. Summary of Key Achievements during the reporting month

A summary of Key Achievements during the reporting month is listed in Table 2-1.

Table 2-1: Key Achievements during this reporting month

No.	Item	Key Achievements during this reporting month
1	Field surveys	<ul style="list-style-type: none"> Preparations of bathymetric and topographic surveys. Conduct drone surveys
2	Consultations	<ul style="list-style-type: none"> Consultations with Officials in the field and local people

3. Progress of Tasks

3.1 Introduction

The progress of each of the Tasks is described in this chapter together with possible challenges and risk and recommendations for improvements if any. The Tasks of the Terms of Reference (ToR) are guiding in this respect.

3.2 Various tasks and Administration updates

3.2.1 Development of Information Management Execution Plan

Activities continued and weekly meetings are held to fine tune the system whilst data are not coming in from the various sources.

3.2.2 Advance payments

All administration for the payment of advances were fulfilled in this month and monies were received on Consultants bank account accordingly for which Consultants thank the Project Director.

3.2.3 Replacement of Deputy Team Leader

On 5th January 2022, Consultants submitted a proposal for a better candidate for the position of Deputy Team Leader as per request of the Project Director made in December 2021.

3.3 Task 1: Prioritization to select the next batch of polders for CEIP

3.3.1 Task 1.1: Prioritization of 122 polders and selection of 23 polders for detailed prioritization

In this month no activities were conducted on this Task.

3.3.2 Task 1.2: Detailed prioritization of 23 polders and selection of 13 polders for Feasibility Study

In this month no activities were conducted on this Task.

3.4 Task 2: Preparation of Feasibility Studies for the 20 polders (including updating/reviewing 7 polders of Package-3 of CEIP-1) selected in Task 1

3.4.1 Task 2.1: Preparation of feasibility level designs

Activities from previous month continued and feasibility level designs were updated with field data and results coming forward from the morphologic assessment. The latter determining where measures are not needed to combat erosion, either being (expensive) bank protection works or re-alignment of embankments.

3.4.2 Task 2.2: Project benefits and economic analysis

Activities from previous month continued and in addition to that data was collected in the field to develop flood damage curves.

3.4.3 Task 2.3: Social assessment and beneficiary participation aspects

Activities from previous month continued.

3.4.4 Task 2.4: Environmental and Social Management Framework (ESMF)

Activities from previous month continued.

3.4.5 Task 2.5: Update framework for Monitoring and Evaluation

In this reporting month no activities to report on this Task.

3.4.6 Task 2.6: Assessment of International Waterway aspects

In this reporting month no activities to report on this Task.

3.5 Task 3: Preparation of Detailed Design and Bidding Documents EIA's and LAP/RAP

3.5.1 Task 3.1 Detailed Designs and Bidding Documents

Preparations were commenced for the execution of bathy, topographic, hydro metric measurements and geotechnical field surveys.

3.5.2 Task 3.2 Environmental Impact Assessments (EIAs)

Activities from previous month continued this month.

3.5.3 Task 3.3 Resettlement Action Plan (RAP)

Activities from previous month continued this month.

3.5.4 Task 3.4 Preparation of Land Acquisition (LA) Plans and LA Proposals

Activities from previous month continued this month.

3.5.5 Task 3.5 Project Implementation Plan and Procurement Packaging

In this month no activities to report on this Task.

3.5.6 Task 3.6. Operation and Maintenance (O&M)

In this month no activities to report on this Task.

4. Summary of Staff Inputs

A summary of inputs of Consultant's Staff in each of the Tasks are summarised in Table 4-1.

Table 4-1: Inputs of Consultant's Staff in each of the Tasks this month

Inputs of Consultant's Staff in each of the Tasks this month**)		Task 3.6. Operation and Maintenance (O&M)	Task 3.5 Project Implementation Plan and Procurement Packaging	Task 3.4 Preparation of Land Acquisition (LA) Plans and LA Proposals	Task 3.3 Resettlement Action Plan (RAP)	Task 3.2 Environmental and Social Impact Assessments (ESIA)	Task 3.1 Detailed Designs and Bidding Documents	Task 2.6 Assessment of International Waterway aspects	Task 2.5. Update framework for Monitoring and Evaluation	Task 2.4. Environmental and Social Management Framework (ESMF)	Task 2.3. Social assessment and beneficiary participation aspects	Task 2.2. Project benefits and economic analysis	Task 2.1. Preparation of feasibility level designs	Task 2. Preparation of Feasibility Studies for the 20 polders (including updating/reviewing 7 Polders of Package-1 of CEIP-1) selected in Task 1	Task 1.3. Selection of an optimal investment option.	Task 1.2. Detailed prioritization of 23 polders and selection of 12 polders for feasibility study.	Task 1.1. Prioritization of 122 polders and selection of 23 polders for detailed prioritization;	Task 1. Prioritization to select the next batch of polders for CEIP	Task 0. Inception Phase	Task
Position																				
International Staff																				
Team Leader *)																				
Hydraulic Structural Engineer *)																				
Geotechnical Engineer *)																				
Coastal Zone Management Specialist																				
Social Scientist / Sociologist / Resettlement																				
MIS Specialist *)																				
Economist																				
Project Coordinator *)																				
Survey Coordinator *)																				
River Modeller *)																				
Project Director *)																				
Additional Coastal Engineer *)																				
Additional River and Coastal Dynamics Expert *)																				
Additional Civil Engineer *)																				
National Staff																				
Deputy Team Leader																				
Cyclone and Storm Surge Modelling Specialist																				
Coastal and Estuarine Morphologist																				
Senior Hydraulic Engineer - 1																				
Senior Hydraulic Engineer - 2																				
River Engineer																				
Resettlement and Indigenous Peoples Specialist																				
Environmental Specialist																				
Design Engineer - 1																				
Design Engineer - 2																				
Design Engineer - 3																				
Geo-technical Engineer																				
GIS/Remote Sensing Specialist																				
Procurement / Contract Management Specialist																				
Agricultural / Irrigation Specialist																				
Economist																				
Survey Engineer / Quantity Surveyor - 1																				
Survey Engineer / Quantity Surveyor - 2																				
Survey Engineer / Quantity Surveyor - 3																				
Land Acquisition Specialist - 1																				
AutoCAD Specialist - 1																				
AutoCAD Specialist - 2																				
Ecologist																				
Forestry Specialist																				
Fishery Specialist																				

Notes

*) Bangladesh inputs

**) Consultant's Staff input to this Task =