



# MULTIPURPOSE DISASTER SHELTER PROJECT (MDSP)

(IDA Credit No.5561 BD)

**Monitoring and Evaluation Consultancy Services**

**Local Government Engineering Department (LGED)**

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To  
The Chief Engineer,  
LGED, Dhaka.

Date : 20.10.2022  
Our ref : MDSP-M&E/93  
Dealt by: M&E Consultant team

**Subject: Quarterly Monitoring & Evaluation Report of MDSP [July-September, 2022].**

Sir,

In fulfilment of the contract agreement signed between LGED and the Consulting firm DPDS on 24 September, 2016 for rendering Monitoring and Evaluation Consultancy services for MDSP, please find herewith copy of the "Quarterly Monitoring & Evaluation Report of MDSP" for the Quarter, July-September, 2022 for favor of kind disposal.

Regards.

Sincerely yours,

A.H.M. Mahbubur Rahman,  
Team Leader, M&E Consultants,  
MDSP. Dhaka.

Encl: Quarterly Monitoring & Evaluation Report of MDSP [July-September, 2022].



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(IDA Credit No.5561 BD)

## Monitoring and Evaluation Consultancy Services

### Local Government Engineering Department (LGED)

Copy of the 'Quarterly Monitoring & Evaluation Report of MDSP [July-September, 2022] is forwarded for kind perusal to:

- |  |        |
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| 2. The Deputy Project Director, MDSP, LGED, Dhaka      | 1 copy |
| 3. The Team Leader, D&S Consultants, MDSP, LGED, Dhaka | 1 copy |
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| 15. Managing Director, DPDS, Dhaka.                    | 1 copy |

## Abbreviations and Acronyms

<b>BISR</b>	Bangladesh Institute of Social Research
<b>CPP</b>	Cyclone Preparedness Program
<b>DPD</b>	Deputy Project Director
<b>DPDS</b>	Development Project Design and Services
<b>D&amp;SC</b>	Design and Supervision Consultant
<b>ECRRP</b>	Emergency 2007 Cyclone Recovery and Restoration Project
<b>EMF</b>	Environmental Management Framework
<b>EMP</b>	Environmental Management Plan
<b>ESMF</b>	Environmental & Social Management Framework
<b>GAAP</b>	Governance and Accountability Action Plan
<b>GIS</b>	Geographic Information system
<b>GOB</b>	Government of Bangladesh
<b>GPS</b>	Global Positioning System
<b>HQ</b>	Head Quarter
<b>ICR</b>	Implementation Completion Report
<b>ICT</b>	Information and Communication Technology
<b>IEE</b>	Initial Environmental Examination
<b>LGED</b>	Local Government Engineering Department
<b>MDSP</b>	Multipurpose Disaster Shelter Project
<b>M&amp;E</b>	Monitoring and Evaluation
<b>M&amp;EC</b>	Monitoring and Evaluation Consultant
<b>MLGCRD</b>	Ministry of Local Governments, Cooperatives and Rural Development
<b>MTRR</b>	Mid-Term Review Report
<b>MS</b>	Monitoring System
<b>ODK</b>	Open Data Kit
<b>ORAF</b>	Operation Risk Assessment Framework
<b>O&amp;M</b>	Operation & Maintenance
<b>PAD</b>	Project Appraisal Document
<b>PD</b>	Project Director
<b>PDO</b>	Project Development Objective
<b>PIU</b>	Project Implementation Unit
<b>PMU</b>	Project Management Unit
<b>PSC</b>	Project Steering Committee
<b>RAP</b>	Resettlement Action Plan
<b>SMC</b>	School Management Committee
<b>SMP</b>	Social Management Plan

# Consultancy Services for Monitoring & Evaluation of Project (MDSP) Quarterly Monitoring & Evaluation Report [Quarter: July – September, 2022]

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# 1. Introduction

## 1.1 Background and Rationale

Bangladesh is a natural disaster-prone Country. Severe cyclones occur almost at regular intervals. Cyclones Sidr, Aila, Mohasen, Mora are cyclones of recent past causing severe damages to lives and properties in coastal areas. The disaster issue is further challenged under severe climate change scenarios, particularly with respect to increasing frequency and intensity of extreme weather events and sea level rise.

MDSP was the output of a study under Component D of ECRRP aiming at undertaking a Long-Term Disaster Risk Management Program to strengthen disaster risk mitigation and reduction capacity and ability of the related Government Agencies and stakeholders.

### 1.1.1 MDSP: Project Development Objective (PDO)

The project development objective (PDO) of the MDSP is “To reduce the vulnerability of the coastal population to natural disasters across selected coastal districts of Bangladesh.” PDO will be measured through meeting the increased demand for multipurpose disaster shelters in targeted districts. The objective will be achieved by improving existing multi-purpose shelters, constructing new disaster shelters, and improving roads and connectivity in the area.

## 1.2 Description of MDSP

The Multipurpose Disaster Shelter Project (MDSP) is a large-scale disaster risk mitigation infrastructure project that will strengthen emergency preparedness and will significantly reduce vulnerability to climate change and natural disasters. This is a follow up of the initial phase of similar successful interventions under ECRRP. The project is expected to have an impact on long-term disaster resiliency in Bangladesh focused particularly on the coastal region. MDSP would focus on meeting the high priority needs by providing construction of 552 nos. new shelters and the improvement of 450 nos. existing shelters. The project will construct 550 km connecting roads and communication networks to shelters with 500 metre bridges and culverts, ensuring increased accessibility and effectiveness. Amongst others, the project will extend support to Cyclone Preparedness Program (CPP) and School Management Committees (SMC) to operate, thereby increasing the sustainability and efficacy of the shelters.

Thus, safeguarding lives of people and livestock, the project will contribute to achieving goals of continued growth and shared prosperity of the residents of the vulnerable locality.

## 1.3 Project Location

Annex 1 shows the map of Bangladesh highlighting MDSP project area. Table 1 presents the Districts and Upazilas covered by MDSP project area.

**Table 1: Coverage of MDSP project area by District and Upazila in Chattogram and Barishal Divisions**

Division	District	Upazila	Infrastructure/ Interventions to be Implemented	New Shelters Packages	Rehabilitation Shelters Packages
				Construction Commenced	Construction Commenced
Chattogram	Chattogram	Sandwip	✓	✓	✓
		Lohagara	✓	✓	✓
		Satkania	✓	✓	✓
		Patiya	✓	✓	✓
		Chandanish	✓	✓	✓
		Boalkhali	✓	✓	✓
		Banskhali	✓	✓	✓
		Sitakundu	✓	-	✓
		Raojan	✓	✓	
		Rangunia	✓	✓	✓
		Mirsharai	✓	✓	✓
		Hathazari	✓	✓	✓

Division	District	Upazila	Infrastructure/ Interventions to be Implemented	New Shelters Packages	Rehabilitation Shelters Packages	
				Construction Commenced	Construction Commenced	
	Cox's Bazar	Fatikchari	✓	✓	✓	
		Anwara	✓	✓	✓	
		Kutubdia	✓	✓	✓	
		Cox's Bazar Sadar	✓	✓	✓	
		Chakoria	✓	✓	✓	
		Pekua	✓	✓	✓	
		Moheshkhali	✓	✓	✓	
		Ramu	✓	✓	✓	
		Ukhiya	✓	✓	✓	
		Teknaf	✓	✓	✓	
	Feni	Daganbhuiyan	✓	✓	✓	
		Chhagalniya	✓	✓	✓	
		Sonagazi	✓	✓	✓	
		Feni Sadar	✓	✓	✓	
		Porshuram	✓	✓	✓	
		Fulgazi	✓	✓	✓	
	Lakshimpur	Komol Nagar	✓	✓	✓	
		Ramgati	✓	✓	✓	
		Ramganj	✓	✓	-	
		Raipur	✓	✓	✓	
		Lakshimpur Sadar	✓	✓	✓	
	Noakhali	Subarna Char	✓	✓	✓	
		Kabir Hat	✓	✓	✓	
		Sonaimuri	✓	✓	-	
		Noakhali Sadar	✓	✓	✓	
		Chatkhil	✓	✓	✓	
		Begumgonj	✓	✓	✓	
		Comanigonj	✓	✓	✓	
		Hatiya	✓	✓	✓	
		Senbag	✓	✓	-	
	Barishal	Bhola	Bhola Sadar	✓	✓	✓
			Borhanuddin	✓	✓	✓
			Char Fasson	✓	✓	✓
Daulatkhan			✓	✓	✓	
Lalmohan			✓	✓	✓	
Monpura			✓	✓	✓	
Tajumuddin			✓	✓	✓	
Barishal			Babuganj	✓	✓	
		Bakerganj	✓	✓		
		Banaripara	✓	✓		
		Barishal Sadar	✓	✓		
		Gaurnadi	✓	✓		
		Hizla	✓	✓		
		Muladi	✓	✓		
		Mehendiganj	✓	✓		
Pirojpur		Bhandaria	✓	✓		
		Kaukhali	✓	✓		
		Mothbaria	✓	✓		
		Nesarabad	✓	✓		
		Nazirpur	✓	✓		
		Pirojpur Sadar	✓	✓		
Patuakhali		Zia Nagar	✓	✓		
		Galachipa	✓	✓		
			Dashmina	✓	✓	

Division	District	Upazila	Infrastructure/ Interventions to be Implemented	New Shelters Packages	Rehabilitation Shelters Packages
				Construction Commenced	Construction Commenced
		Kalapara	✓	✓	
		Mirjaganj	✓	✓	
		Patuakhali Sadar	✓	✓	
		Dumki	✓	✓	
		Bauphal	✓	✓	
		Rangabali	✓	✓	

## 2.1 Objectives

The M&E Consultant Team supports the LGED in undertaking oversight M&E activities, and in providing feedback to the LGED, PMU, WB and related stakeholders on project performance and impact at various stages of project implementation so as to help the decision makers and the donor in taking appropriate decisions and actions in a timely manner.

On 24 September 2016, the JV of Development Project Design and Services Limited (DPDS), Bangladesh and ACE Consultants Ltd. (ACE), Bangladesh (herein the M&E Consultant) entered into an agreement with LGED for rendering the Monitoring and Evaluation Consultancy Services for Multipurpose Disaster Shelter Project (MDSP).

## 2.2 Scope of Works

The scope of work of Monitoring and Evaluation Consultants is to carry out the following activities of MDSP:

- 1) Overall monitoring and evaluation of project implementation;
- 2) carry out independent monitoring of project progress, inputs, outputs, outcomes and impacts of project activities;
- 3) Review and monitor specific social and environmental management plans and assessments, supervision of compliance of social and environmental safeguards;
- 4) Evaluate project impact on disaster risk reduction measures on the communities against specified indicators;
- 5) Help reinforce overall transparency and governance during project implementation;
- 6) Monitor compliance of Operation Risk Assessment Framework (ORAF) and Governance and Accountability Action Plan (GAAP), and
- 7) Provide feedback to LGED, PMU, WB on project implementation performance, issues and impact.

## 2.3 M&E Tasks

The M&E Consultant team (hence termed as 'Consultant') works independently as the PMU, MDSP is responsible for contract administration and management. The Consultant sends periodical report to the Chief Engineer, LGED and other concerned stakeholders to keep all apprised of the project performance, impact assessment and corrective measures, if any at various stages of project implementation.

According to TOR, the M&E Consultant performs 11 specified tasks as listed below:

- Task 1: Create a comprehensive M&E Framework for MDSP;
- Task 2: Develop baselines for the key project indicators for tracking project inputs, outputs and outcomes;
- Task 3: Track key indicators (input, output, outcome, operational risks and governance issues) during project implementation;
- Task 4: Carry out process & progress monitoring of the Project;
- Task 5: Integrate the ICT monitoring tool designed by the D&S Consultants in capturing project implementation status as an input into the M&E Framework;
- Task 6: Recommend appropriate corrective actions and recommendations;
- Task 7: Supervise the implementation of the environmental and social safeguards requirements (including quality control oversight of safeguards documentation prepared by the D&S Consultants);
- Task 8: Prepare and submit quarterly monitoring & evaluation reports to LGED, PMU and WB;
- Task 9: Prepare Mid-term Review report for MDSP;
- Task 10: Prepare inputs for the PCR and ICR at the end of the project; and
- Task 11: Prepare inputs, as needed for incorporation into the ICT database.

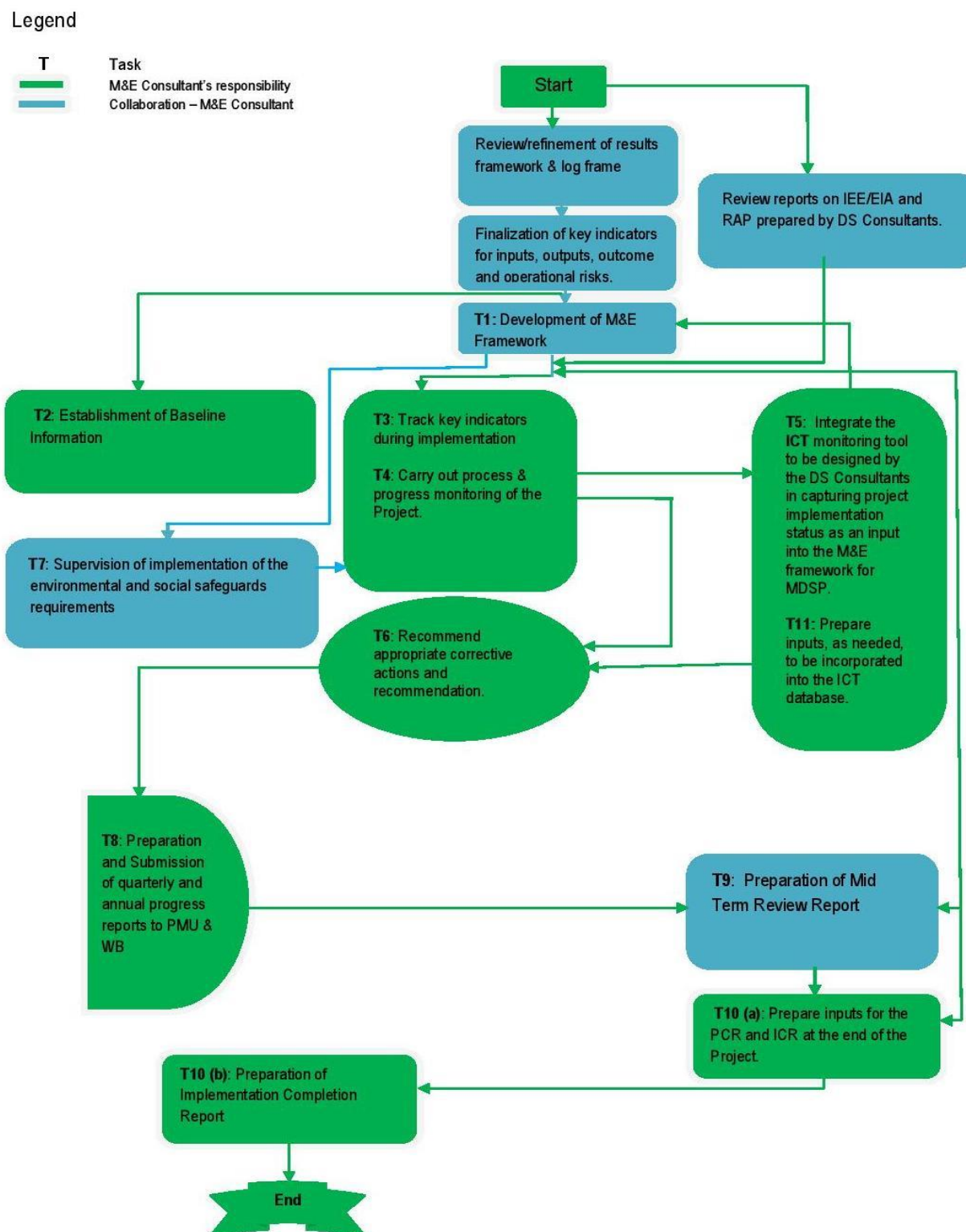
The Monitoring and Evaluation (M&E) activities provide continuous feedback to the Government, the Bank, LGED and related agencies on the project's performance and impact, so that corrective actions could be



undertaken in a timely manner. The Consultant is also to supervise implementation of the overall ESMF/TDF, careful review and monitoring of sub-project specific social and environmental management plans, as well as tribal development and resettlement action plans, where applicable, and impact assessments, and supervision of their implementation.

The sequence of the conduct of the M&E Consultant's tasks, and their interrelationships is shown in **Figure 2-1**.

**Figure 2-1: Flowchart of M&E Consultant Tasks**



## 2.4 Monitoring and Evaluation of MDSP

M&E of MDSP are being carried out for: (a) inputs, outputs and outcomes (as specified in the MDSP Result Framework), (b) on the efficiency and effectiveness of the processes underlying the design and implementation of the MDSP interventions, and (c) LGED's contribution towards the attainment of Project outcome. The M&E Consultant is responsible for the consolidation, verification, and analysis of these M&E information as to their contribution to progress in the attainment of Project outcome.

### 2.4.1 WB Guidelines on carrying out of M&E Tasks

At the initial phase of the implementation of the project, the WB outlined in its Aide Memoire of March 2017, some very effective guidelines relating to the performance of monitoring and evaluation tasks by the M&E Consultant of MDSP. The M&E Consultants are performing their assigned tasks in line with the guidelines given by the WB Mission. The guidelines are:

1. The M&E Consultant follow a two-step system whereby **documents** are primarily reviewed through desk review;
2. The knowledge gathered from the desk review of documents is supplemented by targeted and random **field visits** and;
3. M&E Consultant would prepare quarterly update reports to the **results framework**.

We prepare the monitoring reports following the guidelines given in the Aide Memoire mentioned above.

#### a. Documents

The following project related documents have been used for desk review:

- i) PAD of MDSP;
- ii) M&E Framework/ Strategy Report- prepared by M&E Consultant;
- iii) Quality Assurance Plan (QAP) of MDSP- prepared by D&S Consultant;
- iv) Environmental and Social Monitoring Framework (ESMF) - prepared by LGED;
- v) Baseline Survey Report;
- vi) Monthly Progress Reports of the D&S Consultant;
- vii) ICT Monitoring Report- prepared by D&S Consultant;
- viii) WB Aide Memoires
- ix) Environmental Screening/Assessment (EA) reports of shelter packages- prepared by D&S Consultant
- x) Social Assessment (SA), Social Management Plan (SMP), Social Monitoring and Supervision Plan (SMSP) of shelters- prepared by D&S Consultant.

#### b. Field Visit

As part of contract obligations, the M&E Consultant is to undertake extensive field visits to different contract packages under construction for monitoring purposes. The visit experience and observations with recommendations are shared with all stakeholders in the form of 'Field Visit Reports'.

The M&E Consultant carry out regular field visits in order to perform the job underlined within the scope of M&E tasks.

During the year 2022, the 1st field visit was made on 15-16 February at Pirojpur district; the 2nd visit was made in Chattogram district on 30-31 March; the 3rd visit was made in Noakhali district on 07-08 June in Noakhali district; the 4th visit was undertaken in Laxmipur district on 08 June and the 5<sup>th</sup> field visit was undertaken in Patuakhali district on 10-11 August.

#### c. Quarterly/ Annual Monitoring & Evaluation Report

As per schedule, Quarterly Monitoring & Evaluation Reports highlighting prime M&E tasks are regularly prepared by the M&E Consultants of MDSP at the end of each quarter of the year 2022.

Annual Monitoring & Evaluation Report of MDSP is published at the end of each calendar year. The 5th 'Annual Monitoring and Evaluation Report of MDSP' for the year 2022 will be prepared at the end of the year 2022.

The reports contain among others, the updates of the previous Monitoring & Evaluation reports. The M&E reports contain among others, the updates on the following:

- i) Tracking status of target vs achievement of the project key indicators outlined in the Result Framework
- ii) Process and Progress Monitoring of Project Interventions
- iii) Compliance status of GAAP and ORAF.
- iv) Compliance status of EMPs and SMPs.
- v) Recommendations on appropriate corrective measures, if any.

The cumulative progress of the performance of the M&E tasks by the Consultants upto September 2022 has been presented in the succeeding sections:

#### **2.4.2 Comprehensive M&E Framework for MDSP (Task 1)**

The M&E framework focuses on the need to monitor progress toward achieving desired project objectives. This is done through tracking key project indicators outlined in the result framework. The M&E framework is flexible and will accommodate shifting priorities over time. Properly applied, this tool can launch discussions about progress and emerging issues, inform the need for change, and increase the capacity of collaborative efforts with the project stakeholders.

The preparation and establishment of the M&E framework of MDSP, which serves as a plan for monitoring and evaluation, was a collaborative effort of the PMU, DS Consultants and the M&E Consultant, in consultation with World Bank. During its development, several consultation meetings with the PMU and the DS Consultants were held.

Taking into consideration the views expressed by the World Bank Mission and following the comments and observations from the PMU and the World Bank, M&E Framework/ Strategy Report for MDSP was finalized and distributed on 30 March 2017.

#### **2.4.3 Development of Baselines for the Key Project Indicators for Tracking Project Inputs, Outputs and Outcomes (Task 2)**

The objective of development of baselines of key project indicators of MDSP is to provide an information base against which monitoring and assessment of project progress and its effectiveness during implementation and after completion will be made.

Before taking up the field survey to establish baselines for MDSP, a 'Synopsis of the proposed Baseline Survey of MDSP' detailing approach methodology, selection of sample size distribution, sample community, survey techniques etc. was shared with all concerned on 20 April 2017.

Later, the M&E Consultant undertook the Baseline Survey with effect from May 09, 2017 through hiring an experienced social survey firm "Bangladesh Institute of Social Research (BISR)" as a first step to establish the pre-intervention situation against which progress towards targeted indicators in the Project Results Framework would be measured.

Survey techniques such as HH Survey, FGD and KII were done using a quasi-experimental design with the before-and-after-intervention situation. The survey design involves the use of treatment and control groups where both groups are deemed similar in that differences could be clearly attributed to the MDSP with a high degree of confidence. Baseline survey data mainly focuses on 'before' project conditions.

The field survey, data collection, data editing and consolidation, data entry & analysis etc. have been completed. The Baseline Survey Report (2 volumes) has been shared with all concerned on 14 October, 2017.

#### **2.4.4 Tracking of Result Framework- Key Indicators (Inputs, Outputs and Outcome) during Project Implementation (Task 3)**

MDSP Results Framework (With Key Performance Indicators) adopted from PAD and detailed in the M&E Framework/ Strategy Report had already been prepared by the M&E Consultants. A matrix to reflect changes in the values of the key indicators by using program in Excel Template of 'Matrix of Outputs and Outcomes' for

MDSP has been used. The program contains provision of quarterly and annual targets and progress against agreed indicators for assessing the project performance.

World Bank recommended in the Aide Memoire of March 26-30, 2017 to include the quarterly updates to the results framework into the M&E Consultant's reporting arrangements.

World Bank also proposed in the Aide Memoire of December 2-6, 2018, a revision for the cumulative target values of key indicators per PAD and also incorporated one additional intermediate result indicator.

The WB Implementation Support Review Mission (February 27-March 3, 2022) has informed the extension of the project completion period by another 18 months, up to June 30, 2023. Accordingly, the target values of the result framework indicators have been re-scheduled.

Based on above, the update information for the calendar year cumulative target values upto June 2023 and the cumulative achievements ending Quarter July-September, 2022 has been shown in **Annex 2A**.

The tracking information of key indicators as per PAD and MDSP Monitoring Framework for the **Quarter: July-September, 2022** has been updated and shown in Excel Template in the quarterly monitoring and evaluation report at **Annex 2B: "Result Framework - Quarterly Targets Vs Actual Achievements of Project Indicators"**.

By tracking and comparing the cumulative achievements against cumulative target values of project development indicators upto the end of the quarter July-September 2022, we have the observations mentioned below in **Table 2.1**:

**Table 2:1**

**Quarter: July-September 2022**

Indicator Name	Unit of Measure	Baseline Value	Total Cumulative Target Values [Project end]	Revised Cumulative Target Values upto September 2022	Cumulative Achievements upto September 2022	Slippage %	Advanced in %
P-1 Increase in the share of needs met of priority multipurpose disaster shelters in the targeted districts (Percentage)	%	60.00	80.00	75.09	70.44 Calculation: As of Sept/22, total nos. of shelters completed [new+rehab.] = 164+359 = 523 covers = (523/1002) x 20% = 10.44% Baseline value 60% +10.44% = 70.44%	30.82	
P-2 Number of project beneficiaries who have access to multipurpose shelters in targeted districts (Number)	Number	0.00	1,236,500.00	918,005.00	593,520.00	35.35	
A-1 Number of new multipurpose shelters constructed (Number)	Number	0.00	552.00	354.00	164.00	53.67	
A-2 Number of multipurpose shelters rehabilitated (Number)	Number	0.00	450.00	412.00	359.00	13.00	
A-3 Roads constructed:							
A-3A Access Roads constructed	Kilometer	0.00	549.50	323.44	36.183	89.00	
A-3B Bridges/ Culverts constructed	Meter	0.00	500.00	362.95	286.15	21.00	

Indicator Name	Unit of Measure	Baseline Value	Total Cumulative Target Values [Project end]	Revised Cumulative Target Values upto September 2022	Cumulative Achievements upto September 2022	Slippage %	Advanced in %
A-4 Number of additional classrooms built or rehabilitated at the primary level resulting from project interventions. (Number) - (Core)	Number	0.00	3000.00	2298.00	1569.00	31.72	
A-5 Participants in consultation activities during project implementation (number)	Number	0.00	20000.00	18325.00	16900.00	8.00	
A-6 Participants in consultation activities during project implementation – female (Number - Sub-Type: Breakdown) - (Core)	Number	0.00	10000.00	9581.00	9725.00		2.00
A-7 Physical Progress of New Shelters and Roads Construction (New Indicator)	%	0.00	100.00	72.25	65.44	9.00	

Based on the latest revision, the tracking of additional indicators **P-3 to P-7** per M&E Framework of MDSP are also reflected in **Annex 2B**. It may be seen that slippage of indicators **P-3, P-4, P-5, P-6 & P-7** are **30.82%, 11.25%, 35.35%, 50.45% and 50.45%** respectively.

The tracking figure also indicates that the cumulative achievement of Indicator **A-6** upto September 2022 is **2%** advance.

The tracking information of the key indicators **P-1 & P-2 and A-1 to A-7** have been graphically presented in **Annex 2C**.

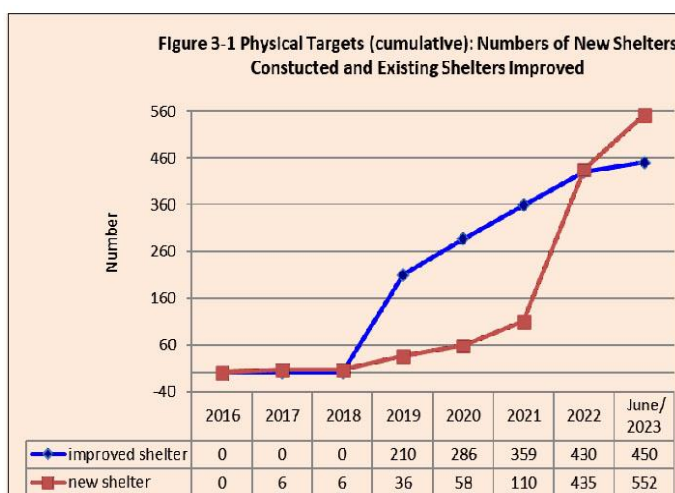
### 3. Process and Progress Monitoring of the Project Interventions (Task 4)

The process monitoring includes pre-construction activities while the progress monitoring covers activities relating to construction of physical works.

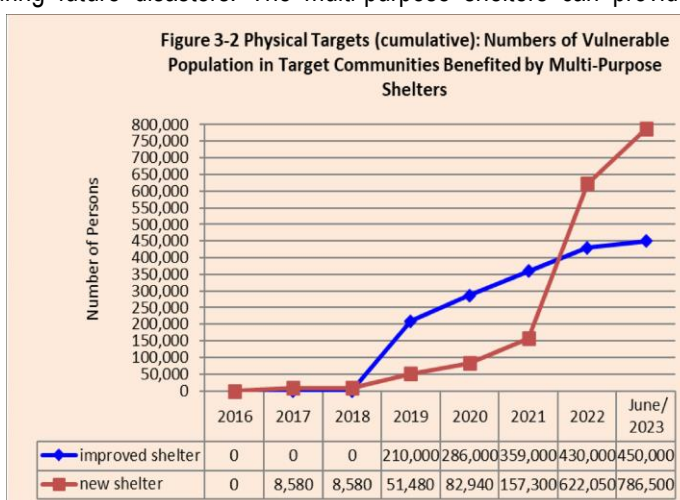
#### 3.1 Physical Project Targets

As per 2<sup>nd</sup> Revision per Extension upto June 2023, the total physical targets of interventions under MDSP are: repair and improvement of 450 existing shelters; construction of 552 new multi-purpose disaster shelters including 550 km shelter connecting road with 500 metre bridges and culverts. It also includes the calendar year wise intermediate cumulative target values of interventions under MDSP.

Accordingly, the calendar year-wise cumulative targets for each of these shelters have been updated and shown in **Figure 3-1**. The cumulative year wise targets of the subsequent calendar years are as follows: no existing shelters and only 6 nos. of new shelters up to the end of 2017; same no existing shelters and 6 nos. of new shelters by end of 2018; 210 nos. of existing shelters and 36 nos. of new shelters by end of 2019; 286 nos. of existing shelters and 58 nos. of new shelters by end of 2020; 359 nos. of existing shelters and 110 nos. of new shelters by end of 2021; 430 nos. of existing shelters and 435 nos. of new shelters by end of 2022 and 450 nos. of the total targeted existing shelters and 552 nos. of new shelters by end of June 2023.



The expected output of MDSP is additional space, comfortable and safe protection of the vulnerable population and livestock in the cyclone prone areas during future disasters. The multi-purpose shelters can provide protection to a total of 12,36,500 vulnerable persons – 4,50,000 persons through repaired/improved existing shelters, and 7,86,500 persons through new shelters. These are computed considering the total target number of shelters repaired/ improved/ constructed by the project, and the capacities of the shelters – i.e. 1000 persons for existing shelter with improved facilities, and 1430 persons for new shelter. **Figure 3-2** presents the year-wise cumulative target of vulnerable population protected corresponding to the physical targets indicated in **Figure 3-1**.



#### 3.2 Annual Work Plan upto 2022

The work plan for the implementation of MDSP works up to 2022 is presented in **Annex 3A**. This has been obtained from the physical and financial targets of the MDSP interventions upto the end of year 2022. The different LGED CPs include works on:

- i) Construction of 555 new multi-purpose shelters including shelter connecting roads in (a) 9 Contract Packages [4 CPs with NCB & 5 CPs with ICB] awarded in the Years 2016, 2017 & 2021 and in (b) 6 Contract Packages

with ICB awarded in the Year 2020; ii) Improvement of 450 existing school-cum-shelters in 6 Contract Packages with NCB.

### **3.3 Process Monitoring- Pre-Construction Activity Phase**

Pre-construction activities include the following item of works:

- i) Site Selection
- iii) Design Works, and Approval of Bidding Documents
- iii) EA Report Preparation and Clearance
- iv) Social and Resettlement Study Report Preparation and Clearance, and
- v) Tendering and Approval Process

#### **3.3.1 Construction of New Shelters including Shelter Connecting Roads (Pre-construction Activities)**

##### **Part-A: Contract Packages Awarded in the Calender Years 1, 2 & 6**

##### **i) Feni District: 20 New School-cum-Shelters [CPs: LGED/MDSP/FENI/2015-16/NCB/NW-01, NW-01A, 02 & 03]**

Details of the status of pre-construction activities as of September 2022 for the above mentioned 4 Contract Packages covering 20 nos. new school-cum-shelters including shelter connecting roads are presented in **Annex 3B**.

All the pre-construction activities for the construction of 20 new school-cum-shelters in 4 CPs had already been completed.

##### **ii) Barishal District: 58 New School-cum-Shelters [Contract Package: LGED/MDSP-II-7-LPI-O-NW-01]**

As of end of September 2022, pre-construction activity of above Contract Package covering construction of 58 new school-cum-shelters including shelter connecting roads is presented in **Annex 3B**.

All the pre-construction activities for the construction of the above-mentioned Contract Package have already been completed.

##### **iii) Bhola District: 42 New School-cum-Shelters [Contract Package: LGED/MDSP-II-7-LPI-O-NW-02]**

As of September 2022, pre-construction activity for the Contract Package covering construction of 42 new school-cum-shelters including shelter connecting roads is presented in **Annex 3B**.

All the pre-construction activities for the construction of 42 new school-cum-shelters of the above package have already been completed.

##### **iv) Cox's Bazar District: 62 New School-cum-Shelters [Contract Package: LGED/MDSP/COX/14-15/NW-04]**

Upto September 2022, preconstruction activity for the above Contract Package covering construction of 62 new school-cum-shelters including shelter connecting roads is presented in **Annex 3B**.

All the pre-construction activities for the construction of 62 new school-cum-shelters of the package have already been completed.

**v) Lakshmipur District: 34 New School-cum-Shelters [Contract Package: LGED/MDSP/LAK/14-15/NW-06].**

Upto September 2022, pre-construction activity of the ICB Package covering construction of 34 nos. new school-cum-shelters including shelter connecting roads is presented in **Annex 3B**.

All the pre-construction activities for the construction of 34 new school-cum-shelters have already been completed.

**vi) Noakhali District: 35 New School-cum-Shelters [Contract Package: LGED/MDSP/NOA/14-15/NW-09].**

As of September 2022, preconstruction activity for the above Contract Package covering construction of 35 new school-cum-shelters including shelter connecting roads has been completed and presented in **Annex 3B**.

All the pre-construction activities for the construction of 35 new school-cum-shelters have already been completed.

**Part-B: Contract Packages Awarded in the Calender Year 5**

**i) Chattogram Steel Packages: 50 New School-cum-Shelters [CPs: LGED/MDSP/CHI/14-15/NW-03-A & NW-03-B]**

Details of the pre-construction activities for the above two steel structure packages covering construction of 25 new school-cum-shelters including shelter connecting roads in each contract package as of end of September 2022 are shown in **Annex 3B**.

All the pre-construction activities for the construction of 50 new school-cum-shelters in two steel structure packages have already been completed.

**ii) Chattogram RCC Package: 73 New School-cum-Shelters [Contract Package: LGED/MDSP/CHI/14-15/NW-10]**

As of September 2022, preconstruction activity for the above Contract Package covering construction of 73 new school-cum-shelters including shelter connecting roads is presented in **Annex 3B**.

All the pre-construction activities for the construction of 73 new school-cum-shelters have already been completed.

**iii) Patuakhali Package: 36 New School-cum-Shelters [Contract Package: LGED/MDSP/PATU/14-15/NW-05]**

Upto September 2022, preconstruction activity for the above Contract Package covering construction of 36 new school-cum-shelters including shelter connecting roads is presented in **Annex 3B**.

All the pre-construction activities for the construction of 36 new school-cum-shelters have already been completed.

**iv) Pirozpur Package: 50 New School-cum-Shelters [Contract Package: LGED/MDSP/PIR/14-15/NW-07]**

As of September 2022, preconstruction activity for the above Contract Package covering construction of 50 new school-cum-shelters including shelter connecting roads is presented in **Annex 3B**.

All the pre-construction activities for the construction of 50 new school-cum-shelters have already been completed.

**v) Bhola 02 Package: 97 New School-cum-Shelters [Contract Package: LGED/MDSP/BHO/14-15/NW-07]**

As of September 2022, preconstruction activity for the above Contract Package covering construction of 97 new school-cum-shelters including shelter connecting roads is presented in **Annex 3B**.



All the pre-construction activities for the construction of 97 new school-cum-shelters have already been completed.

### **3.3.2 Rehabilitation of Existing Shelters (Pre-construction Activities)**

#### **i) Chattogram District: 130 Existing School-cum-Shelters [Contract Package: LGED/MDSP/CHI/W-01]**

Details of the pre-construction activities for the repair/improvement of 130 existing school-cum-shelters as of end of September 2022 are shown in **Annex 3C**.

All the pre-construction activities for the improvements of 130 existing school-cum-shelters of the Contract Package in Chattogram District has already been completed.

#### **ii) Feni District: 20 Existing School-cum-Shelters [Contract Package: LGED/MDSP/FENI/2015-2016/W-03]**

Details of the pre-construction activities for the above package for repair/improvement of 20 existing school-cum-shelters as of end of September 2022 are shown in **Annex 3C**.

All the pre-construction activities for the improvements of 20 existing school-cum-shelters of the Contract Package in Feni District has already been completed.

#### **iii) Lakshmipur District: 30 Existing School-cum-Shelters [Contract Package: LGED/MDSP/LAK/2016-2017/W-04]**

Details of the pre-construction activities for the above package for repair/improvement of 30 existing school-cum-shelters as of end of September 2022 are shown in **Annex 3C**.

All the pre-construction activities for the improvements of 30 existing school-cum-shelters of the Contract Package in Lakshmipur District has already been completed.

#### **iv) Noakhali District: 90 Existing School-cum-Shelters [Contract Package: LGED/MDSP/NOA/2016-2017/W-05]**

Details of the pre-construction activities for the above package for repair/improvement of 90 existing school-cum-shelters upto September 2022 are shown in **Annex 3C**.

All the pre-construction activities for the improvements of 90 existing school-cum-shelters of the Contract Package in Noakhali District has already been completed.

#### **v) Bhola District: 60 Existing School-cum-Shelters [Contract Package: LGED/MDSP/BHO/2016-2017/W-06]**

Details of the pre-construction activities for the above package for repair/improvement of 60 existing school-cum-shelters as of September 2022 are shown in **Annex 3C**.

All the pre-construction activities for the improvements of 60 existing school-cum-shelters of the Contract Package in Bhola District has already been completed.

#### **vi) Cox's Bazar District: 120 Existing School-cum-Shelters [Contract Package: LGED/MDSP/COX/2016-2017/W-02]**

Details of the pre-construction activities for the above package for repair/improvement of 120 existing school-cum-shelters upto September 2022 are shown in **Annex 3C**.

All the pre-construction activities for the improvements of 120 existing school-cum-shelters of the Contract Package in Cox's Bazar District has already been completed.

### 3.4 Progress Monitoring – Construction Phase

The progress of the physical works has since been trailing behind the schedule as reflected in the periodical Annual and Quarterly Evaluation and Monitoring Reports. The progress situation has been further worsened due to the several outbreaks of **COVID-19** disease when even lockouts had to be declared in most of the concerned districts to prevent spreading of the disease.

The recent World scenario, especially Russia-Ukraine war and subsequent effects on the price of construction material has also greatly affected the progress of work during the quarter.

To make up the time loss due to the prevailing scenario, project implementation period has been extended up to June 30, 2023. A realistic revised program and work schedule should be chalked out accordingly and followed to complete all works by the extended time.

#### 3.4.1 Progress of Shelter Construction as per Design Options and Main Features of New School cum Shelter Buildings

The new construction buildings are: Reinforced Cement Concrete (RCC) and Steel Frame Structure, built in a RCC Pile Foundation with bracing beams and grade beams. The shelters have been designed as three storey (with foundation designed for four storey) buildings with provision of livestock accommodation on the 1<sup>st</sup> floor with ramp provision.

Three types of shelter buildings have been designed for MDSP located in nine (9) districts. These are **Option-1**, **Option-3** and **Option-5**. **Options-1 & 3** are rectangular (with I-Shaped) buildings with different foot print areas, while **Option-5** is a more compact L-Shaped building.

Optionwise Key Features of the new shelter buildings are shown in **Table 3.1**.

**Table 3.1: Key Features of New School cum Shelter Buildings**

Sl. No	Key Features/ Option Type		Type 1 Building	Type 2 Building	Type 3 Building	Remarks
			Option-1	Option-3	Option-5	
1	No. of Shelters	Completed	96	22	46	Progress as of September/ 2022. <b>Total nos. of complete shelters = 164</b>
		Ongoing	282	9	100	
		Total	378	31	146	
2	Floor Area (m <sup>2</sup> )		290	322	310	
3	Number of Floors		3	3	3	
4	Number of Classrooms		3	3	3	
5	Teachers Rooms		1	1	1	
6	Room for Pregnant Women		1	1	1	
7	Store Room/ First Aid Room		1	1	1	
8	Toilet (Male)		3	4	3	
9	Toilet (Female)		3	4	3	
10	Tubewells	Batch-1 = 249 shelters	5 tube-wells + 2 hand pumps	5 tube-wells + 2 hand pumps	5 tube-wells + 2 hand pumps	1 common use TW in the yard, 2 DTWs at each of ground floor & 1 <sup>st</sup> floor; 2 hand pumps on the 2 <sup>nd</sup> floor to collect water from the Underground WT.
		Batch-2 = 306 shelters	4 tube-wells + 2 hand pumps	4 tube-wells + 2 hand pumps	4 tube-wells + 2 hand pumps	1 common use TW in the yard, 1 DTW at the ground floor; 2 DTWs on the 1 <sup>st</sup> floor, 2 hand pumps on the 2 <sup>nd</sup> floor to collect water from the Underground WT.
11	Underground Water Tank	Batch-1 = 249 shelters	2	2	2	
		Batch-2 = 306 shelters	1	1	1	
12	Rainwater Collection Tank		1	1	1	
13	Rainwater Filter Tank		2	2	2	
14	Solar Panel		8	8	8	
15	Submersible Water Pump		1	1	1	
16	Design Capacity (persons)		1300	1300	1300	
17	Design Capacity (livestock)		200	200	200	

Districtwise physical progresses of the new shelters under Options-1, 3 & 5 have also been furnished in **Annex 3D**.

### 3.4.2 Construction of New Shelters including Shelter Connecting Roads

#### **Part-A: Contract Packages Awarded in the Years 2016 & 2017**

**i) Feni district: 20 new school-cum-shelters [4 CPs: LGED/MDSP/FENI/2015-16/NCB/NW-01, 01A, 02 & 03].**

Initially there were three national contract packages of MDSP in Feni district. The award of contracts of contract packages **NW-01** (7 nos.) and **NW-02** (6 nos.) were given on 31 May 2016 and that of package **NW-03** (6 nos.)

on 11 April 2016. Construction activities of the 3 contract packages covering 19 new shelters including shelter connecting roads commenced with effect from 19 April 2016.

Contract package **NW-03** (6 shelters) was completed and handed over to the school authorities on February 2019.

Out of the remaining 13 nos. new shelters in 2 packages, Package **NW-01** has been reformulated in 2 nos. separate packages as mentioned below:

**NW-01:** 4 nos. original ongoing shelters being done by the original contractor; and

**NW-01A:** It consists of 3 nos. ongoing shelters and 1 no. new shelter. **NW-01A** has been awarded to a new contractor. Mobilization advance has been paid to the new contractor and physical works have been taken up.

As of end of September 2022, cumulative physical progress against revised targets in 4CPs covering 20 new shelters are as follows:

<u>Package</u>	<u>Revised Cumulative Targets</u>	<u>Achievements</u>
CP NW-01:	<b>100%</b>	<b>100%</b>
CP NW-01A:	<b>86%</b>	<b>45.50%</b>
CP NW 02:	<b>100%</b>	<b>90.50%</b>
CP NW 03:	<b>100%</b>	<b>100%</b>

It is seen that among the initial three contract packages, **CP NW- 01 & NW-03** have achieved 100% physical progresses against 100% achievement as per revised target. The progresses in **CPs NW-01A & NW-02** are still lagging behind.

#### **ii) Barishal district: 57 new school-cum-shelters [CP: MDSP-II-7-LPI-O-NW-01].**

Construction works of the CP covering 58 new shelters including shelter connecting roads was awarded on 26 September 2016. Due to land dispute, **Shelter BP-226** has been omitted from the contract package. The completion date of the contract expired on 23 November 2018. As the desired progress could not be achieved, completion date of the package was extended subsequently by 31.5 months i.e., upto 30 June 2021. The last extension expired on June 30, 2021. Current progress on shelters stood at 90% over a long period, with very little road work accomplished.

Contractor has resumed work now and has been given concurrence in principle for an extension of time up to November 30, 2022.

As of end of September 2022, physical progress of the package covering 57 new shelters achieved overall progress of about **90%** against revised cumulative target as **100%**. The progress is still lagging behind.

#### **iii) Bhola district: 42 new school-cum-shelters [CP: MDSP-II-7-LPI-O-NW-02].**

Construction of the ICB CP covering 42 new shelters including shelter connecting roads was awarded on 27 December 2016 and is targeted to be completed on 06 March 2019. As the desired progress could not be achieved, time has been extended subsequently by 12 months i.e., upto 07 March 2020.

As of end of September 2022, overall physical progress of the package is **100%**.

#### **iv) Cox's Bazar district: 61 new school-cum-shelters [CP: LGED/MDSP/COX/14-15/NW-04].**

The ICB Package covering 62 nos. new shelters including shelter-connecting road in Cox's Bazar District was awarded on 17 September 2017 and is targeted to be completed on 11 November 2019. One shelter has been dropped from contract package due to prolonged land issues.

As the desired progress could not be achieved, completion date of the package has been extended subsequently by 33.60 months i.e., upto 31 August 2022.

As of end of September 2022, overall physical progress of the package is **93.50%** against cumulative revised target as **100%**. The progress is still lagging behind.

**v) Lakshmpur district: Construction of 34 new school-cum-shelters [CP: LGED/MDSP/LAK/14-15/NW-06].**

The ICB Package covering 34 nos. new shelters including shelter connecting road in Lakshmpur District was awarded to M/S. Navana Construction Ltd. on 17 September 2017. It was targeted to be completed on 11 November 2019. Contractor went through two extensions of time up to April 30, 2020, and due to COVID-19 restrictions, work stood stand still over a long period, with the progress on shelterwork at 51% and no work on roads accomplished. Termination of Contract by Employer as per GC-Sub-Clause 15.2 has been issued with effect from 18 April 2021, but decision was kept on hold due to COVID-19 Lockdown situation.

However, the contractor has recommenced work now and has been given the concurrence in principle for an extension up to December 31, 2022.

As of end of September 2022, overall physical progress of the package is **55.50%** against the revised target of **95%**. It clearly indicates that the scheduled progress of the package is much lagging behind

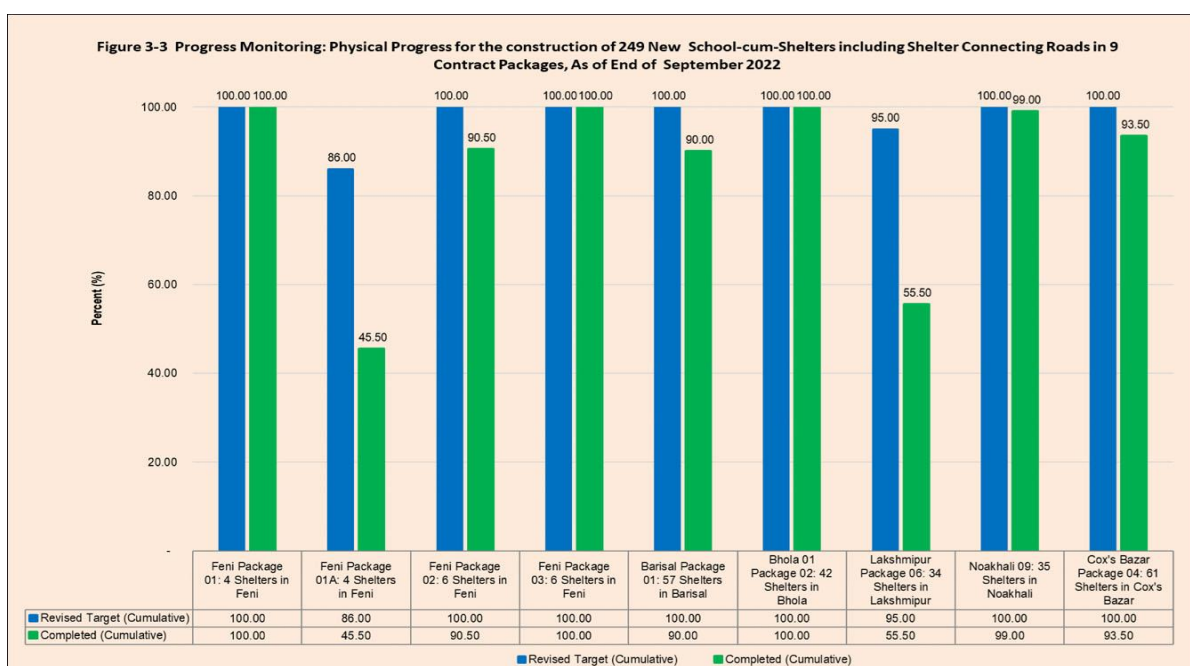
**vi) Noakhali district: Construction of 35 new school-cum-shelters [CP: LGED/MDSP/NOA/14-15/NW-09]**

The ICB Package covering 35 nos. new shelters including shelter connecting road in Noakhali District has been awarded on 17 September 2017 and is targeted to be completed on 11 November 2019. As the desired progress could not be achieved, time has been extended subsequently by 34.60 months i.e., upto 30 September 2022.

As of end of September 2022, overall physical progress of the package is **99%** against revised cumulative target as **100%**.

Details of the construction status of each of the 9 Contract Packages in the districts of Feni, Barishal, Bhola, Cox's bazar, Laxmpur and Noakhali are presented in **Annex 3E**.

Physical progresses against targets of the above 9 contract packages are shown graphically in **Figure 3-3** below:



## Part-B: Contract Packages Awarded in the Year 2020.

**i) Chattogram Steel Structure Packages:** The Contract Agreements for the two new steel frame construction packages were signed with M/S Sarker Steel on 9 March 2020. It was targeted to be completed on 28 July 2021. Contractor has taken over all 24 sites in Package NW-03 A and 22 sites out of 25 sites in Package NW-03 B. Piling has been completed in 19 shelter sites of Packages NW-03A and 20 shelter sites in NW-03B respectively. Fencing & piling works are ongoing on the other shelter sites. Erection of steel members has been completed on 4 shelter sites and 6 nos. of slab casting completed in the package NW-03A.

The originally scheduled contract period expired on 28 July 2021. Works have been extremely slow in these two packages despite repeated instructions to expedite, and D&S Consultants issued Notice to Correct under GC Sub Clause 15.1 and “Notice of Failure to Comply with Notice to Correct”.

First extension expired on 31 December 2021. As the Contract was approaching the extended contract period, the Contractor applied for a 2<sup>nd</sup> EOT. The Second Extension has been valid up to 30 April 2022. Contractor applied further EOT, which has been valid up to 31 December, 2022.

As of end of September 2022, overall physical progress against targets (in terms of time allowed) in 2 CPs are as follows:

<u>Package</u>	<u>Revised Targets (in terms of time allowed)</u>	<u>Achievements</u>
CP NW-03 A	<b>91%</b>	<b>25.50%</b>
CP NW 03 B	<b>91%</b>	<b>27.00%</b>

The progress in both the packages are still lagging much behind.

**ii) Chattogram RCC Package:** The Contract Agreement for Chattogram new RCC construction package was signed with M/S Wahid Construction on 9 March 2020. Contract Commencement has been effective from 16 June 2020. Contractor has taken over 71 sites out of total 73 sites. So far, piling work has been completed in 48 sites and only so-called preparatory works are still ongoing in the remaining sites.

Contractor’s progress has been extremely slow despite repeated instructions to expedite work, and Consultants have issued Notice to Correct under GC Sub Clause 15.1 and the ‘Notice of Failure to Comply with Notice to Correct’. The original contract period expired on 15 June 2022, and an EOT has been granted up to 30 May 2023.

As of end of September 2022, overall physical progress is **22.50%** against the revised target of **77%** (in terms of time allowed). The progress is lagging much behind.

**iii) Patuakhali Package:** The Contract Agreement for Patuakhali new construction package was signed with ‘The Civil Engineers Ltd’ on 9 March 2020. Contract Commencement has been effective from 16 June 2020. Contractor has taken over all 36 sites. Pile work and temporary works have been completed in all 36 sites, and grade beams completed in 36 sites & 92 slabs casting completed out of 108 slabs. The original contract period expired on 15 June 2022, and an EOT has been approved up to 31 December 2022.

As of end of September 2022, overall physical progress is **70.25%** against the revised target of **90%** (in terms of revised time allowed). The progress is still lagging behind.

**iv) Pirojpur Package:** Although the Contract Agreement for Pirojpur new construction package was signed with M/S Rafia Construction Ltd. on 22 March 2020, no work was commenced and the Contractor applied for a change of JV composition. This has been approved now, and a new contract agreement has been signed by the new M/S MR-KE-KSA (JV) on 03<sup>rd</sup> February, 2021. Mobilization advance has been paid on 23<sup>rd</sup> February 2021.

Mobilization work has been commenced. Contractor has taken over 49 sites out of total 50 sites and piling works have been completed in 45 sites and fencing work is ongoing in other sites

As of end of September 2022, overall physical progress is reported to be **28%** against the target of **77%** (in terms of time allowed)

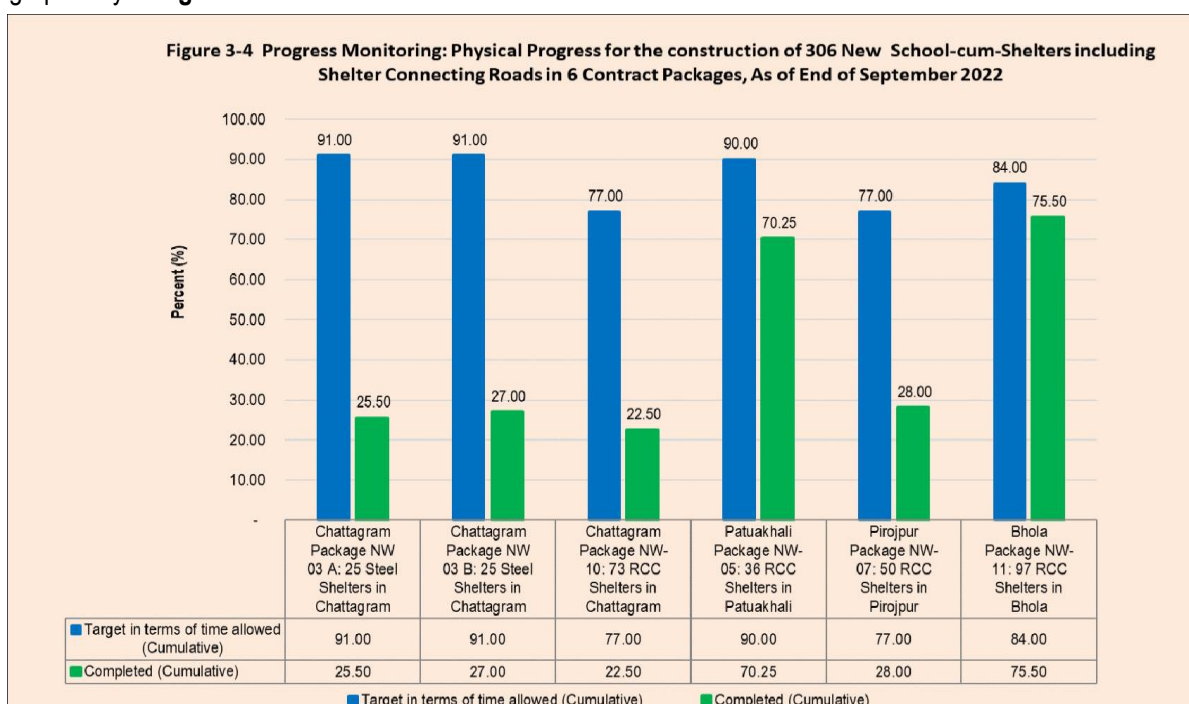
**v) Bhola-02 Package:** The Contract Agreement for 2<sup>nd</sup> New Construction Package in Bhola was signed with M/S Toma Construction & Co. Ltd. on 8th March 2020. It was targeted to be completed on 28 March 2022

Contractor has taken over all 97 sites. Piling work has been completed in all 97 sites. Casting of Grade Beams completed in 95 sites & 267 slabs casting has been completed out of total 291 nos. of slabs. 40 shelters have been completed and handed over; with 17 other shelters nearing 43 completion.

As of end of September 2022, overall physical progress is **75.50%** against the revised target of **84%** (in terms of time allowed). The progress is still lagging behind.

Details of the construction status of each of the 6 Contract Packages in the districts of Chattagram, Patuakhali Pirozpur and Bhola are presented in **Annex 3E**

Physical progresses against targets (in terms of time allowed) of the above 6 contract packages are shown graphically in **Figure 3-4** below:



### 3.4.3 Shelter Connecting Roads

As per PAD, total length of shelter connecting road is 549.5 km with bridges/ culverts construction of 500 m. LGED has taken up road construction of length of 184.75 km along with bridges/ culverts length of 1024.15 m. As of September 2022, only 36.18 km of road has been constructed which is about 17.80%. On the other hand, only 286.15 m of bridges/ culverts has been constructed which is about 27.94%. Hence, progresses of shelter connecting roads with bridges/ culverts are lagging much behind. Low progresses of bridges and culverts/ bridges are due to delaying to start construction works of roads and bridges/ culverts by the Contractors. At first the Contractors targeted to complete construction of building structures and then started construction of roads and bridges/ culverts considered in the new shelter packages. Progress of roads with bridges/ culverts in details in different packages is shown in **Table 3.2**.

**Table 3.2: Package wise Roads and Road Structures Works- Progress as on 30 September 2022**

		Reporting date:		30/09/2022																					
General Information		Protective work																							
		Connecting Road						RCC Retaining Wall						3.0m height RCC post with Double plate						RCC Box Culvert work					
		Name of District	Package No.	Total Number of Road (nos)	Revised Road Length (m)	Ongoing physical progress (m)	% of physical work progress	100% completed (m)	Revised Length (m)	Ongoing physical progress (m)	100% completed (m)	Revised Length (m)	Ongoing physical progress (m)	100% completed (m)	Revised Length (m)	Ongoing physical progress (m)	100% completed (m)	Revised number of culvert (Nos)	Revised Length (m)	Ongoing physical progress (m)	100% completed (m)				
1	Bairisal	MDSP-11-I-PCO-NW-01	34	39,225.00	16,449.00	41.93%	3,348.75	0	0	160.00	160.00	2703.00	289.71	0	0	2063.00	70.52	0	45	204.20	111.31	54.50			
2	Bhola	LGED/MDSP/BHO/14-15/NW-2	15	11,300.00	11,300.00	100%	11,300.00	662.00	662.00	130.00	130.00	0	0	0	0	1881.00	1471.60	489.00	22	57.75	56.25	56.25			
3	Feni	LGED/MDSP/FENI/2015-16/NCB/NW-1(A)	3	1,875.00	371.00	19.79%	-	0	0	0	0	0	0	0	0	592.00	0.00	0	5	7.50	0.00	0.00			
4	Feni	LGED/MDSP/FENI/2015-16/NCB/NW-2	3	2,760.00	-	0%	-	0	0	0	0	0	0	0	0	236.00	0.00	0	1	2.50	0.00	0.00			
5	Feni	LGED/MDSP/FENI/2015-16/NCB/NW-3	3	1,280.00	1,280.00	100%	1,280.00	0	0	0	0	0	0	0	0	0.00	0.00	0	1	3.50	3.50	3.50			
6	Cox's Bazar	LGED/MDSP/COX/14-15/NW-04	26	21,104.00	20,036.00	94.94%	20,036.00	0	0	0	0	0.00	0.00	0	0	1405.00	1405.00	1405.00	3	9.50	6.00	6.00			
7	Panakhali	LGED/MDSP/PATU/14-15/NW-05	20	29,696.00	20,628.35	69.47%	-	115.00	0	0	0	0.00	0.00	0	0	1533.00	0.00	0	34	170.90	96.84	24.70			
8	Lakshampur	LGED/MDSP/LAX/2014-15/NW-06	19	18,713.00	3,378.00	18.05%	-	0.00	0	0	0	0.00	0.00	0	0	2691.00	0.00	0	26	81.80	0.00	0.00			
9	Protpur	LGED/MDSP/PTU/14-15/NW-07	17	10,515.00	-	0.00%	-	0.00	0	0	0	0.00	0.00	0	0	3500.00	0.00	0	45	224.00	0.00	0.00			
10	Noakhali	LGED/MDSP/NOA/2014-15/NW-09	18	13,466.00	1,045.84	7.77%	-	0	0	0	0	0.00	0.00	0	0	1233.00	16.10	0	34	77.50	74.35	69.50			
11	Chittagong	LGED/MDSP/CHI/2014-15/NW-10	11	7,150.00	-	0.00%	-	0	0	0	0	0.00	0.00	0	0	1249.00	0.00	0	19	36.50	0.00	0.00			
12	Bhola	LGED/MDSP/BHO/14-15/NW-11	29	27,665.00	10,358.00	37.44%	219.00	184	100	0	0	0.00	0.00	0	0	3950.00	1973.54	0	80	148.50	75.46	71.70			
<b>Grand Total =</b>			<b>198</b>	<b>184,747.00</b>	<b>84,846.19</b>		<b>36,183.75</b>	<b>1216.00</b>	<b>762.00</b>	<b>290.00</b>	<b>290.00</b>	<b>2,703.00</b>	<b>289.71</b>	<b>289.71</b>	<b>20,333.00</b>	<b>4936.76</b>	<b>1894.00</b>	<b>315</b>	<b>1024.15</b>	<b>423.71</b>	<b>286.15</b>				
<b>Cumulative % of progress</b>					<b>45.93%</b>	<b>17.80%</b>			<b>36.55%</b>	<b>100%</b>	<b>100%</b>		<b>10.72%</b>	<b>10.72%</b>		<b>24.28%</b>	<b>10.72%</b>		<b>41.37%</b>	<b>27.94%</b>					



### 3.4.4 Rehabilitation of Existing Shelters

Total 450 nos. of existing schools cum shelters have been targeted for rehabilitation in the districts of Chattogram, Feni, Cox's Bazar, Laxmipur, Noakhali and Bhola. Rehabilitation works of 359 nos. of existing school cum cyclone shelters out of total 450 nos. has been completed and the rehabilitation works of the remaining shelters are still ongoing. There is no available features data on existing school cum shelter buildings.

#### **i) Chattogram district: Rehabilitation of 130 nos. of existing shelters [LGED/MDSP/CHI/W-01]**

One NCB package covering 130 nos. old shelters has been awarded on 24 May 2017. LGED signed contract with M.A.H Construction Ltd. on 19 June 2017. Initial implementation period was 18 months. Subsequently, time was extended for another 24 months i.e., upto 31 December 2020.

As of end of September 2022, overall physical progress of the package is **69.50%** against revised cumulative target **100%**. The progress is still lagging much behind. A further extension is under consideration.

#### **ii) Feni district: Rehabilitation of 20 nos. of existing shelters [LGED/MDSP/FENI/W-03]**

The CP covering rehabilitation of 20 nos. old shelters has been awarded on 22 October 2017 and Contract has been signed on 26 October 2017. The completion date of the contract expired on 24 March 2019. As the desired progress could not be achieved, completion date of the package has been extended three times by 14 months i.e., upto 30 June 2020.

As of end of September 2022, overall physical progress of the package is **100%**.

#### **iii) Lakshmipur district: Rehabilitation of 30 nos. of existing shelters [LGED/MDSP/LAK/2016-2017/W-04]**

The CP covering rehabilitation of 30 nos. old shelters has been awarded to M/S Risat and Brothers. Contract has been signed on 30 May 2018 with contract period of 18 months upto 29 November 2019. Completion date of the package has been subsequently extended by 12 months upto 30 November 2020.

As of end of September 2022, overall physical progress of the package is **100%**.

#### **iv) Noakhali district: Rehabilitation of 90 nos. of existing shelters [LGED/MDSP/NOA/2016-2017/W-05]**

The CP covering rehabilitation of 90 nos. old shelters has been awarded to M/S MR-RT (JV) on 3 September 2018 and Contract has been signed on 16 September 2018 with 18 months contract period upto 26 March 2020. Due to selection of some of the damaged buildings which are beyond repair, two shelter sites have been omitted from the contract package. Completion date of the package has further been extended by 5 months upto 22 August 2020.

As of end of September 2022, overall physical progress of the package covering 88 old shelters is **100%**.

#### **v) Bhola District: 60 existing school-cum-shelters [LGED/MDSP/BHO/2016-2017/W-06]**

The CP covering rehabilitation of 60 nos. old shelters has been awarded on 10 January 2019 and Contract has been signed on 10 January 2019 with 18 months contract period upto 06 July 2020. One shelter site has been dropped from the contract package due to the effect of riverbank erosion.

As of end of September 2022, overall physical progress of the package covering 59 old shelters is reported to be **100%** against cumulative target as **100%**.

#### **vi) Cox's Bazar District: 120 existing school-cum-shelters [LGED/MDSP/COX/2016-2017/W-02]**

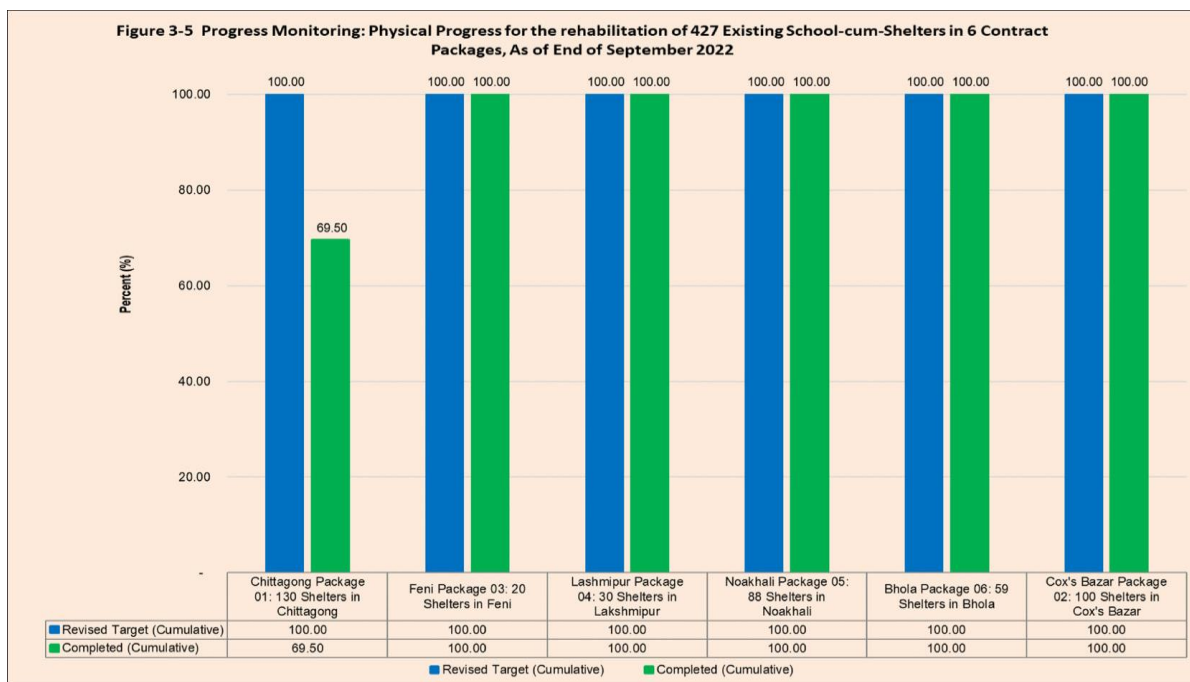
The CP covering rehabilitation of 120 nos. old shelters has been awarded on 28 January 2019 and Contract has been signed on 28 January 2019 with 18 months contract period upto 25 July 2020. Out of the 120 nos., 20 nos.

have been rehabilitated by an NGO. So, the contract will now cover 100 nos. Time has been extended for another 8 months upto 31 March 2021.

As of end of September 2022, overall physical progress of the package covering 100 shelters is reported to be **100%**.

Details of the construction status of each of the 6 Contract Packages in the districts of Chattogram, Feni, Laxmipur, Noakhali, Bhola and Cox’s Bazar are presented in **Annex 3F**.

Physical progresses against targets of the above 6 contract packages are shown graphically in **Figure 3-5** below:



## Supervision of the Implementation of the Environmental and Social Safeguards Requirements (Task 7).

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The Environmental and Social Management Framework (ESMF) has been specially prepared for MDSP by LGED to take care of the environmental and social safeguard issues arising out of implementation of project interventions.

The Environmental and Social part of ESMF requires the conduct of environmental impact assessment and social impact assessment studies of the individual subprojects complying with the GoB and WB environmental and social safeguard policies.

### 4.1 Environmental Assessment (EA)

All the shelters are subject to prior environmental assessment in order prevent execution with significant negative environmental impacts. The purpose of EA is to get relevant environmental concerns addressed before start of construction activities to ensure identification of probable environmental impacts, mitigation measures thereof, preparation of Environmental Management Plan (EMP) which will be budgeted for.

In doing the EA, the D&S Consultants conducted public consultations with local elites, teachers, UP chairmen and members, School Management Committees in all sub-project areas.

#### Progress of Environmental Assessment Studies

Up to September 2022, the D&S Consultants have completed EA study of total 556 new disaster shelters in the districts of Barishal-58 nos, Bhola -139 nos.[NW 01- 42 nos. & NW 02- 97nos.], Feni-19 nos, Cox's Bazar-62 nos, Lakhsmipur-34 nos, Noakhali- 35 nos, Chattogram-123 nos.[RCC-73 nos. Steel-50 nos.], Patuakhali-36 nos. and Pirojpur-50 nos.

The D&S Consultants have also completed EA study of 450 nos of rehabilitation shelters in Chattogram, Feni, Noakhali, Laxmipur, Bhola and Cox's Bazar districts.

The general issues raised and suggestions put forward by the participants are:

- Shelters are extremely helpful for the vulnerable people during the occurrence of devastating cyclones;
- Shelters should have adequate and separate space for accommodation of men and women;
- Shelters should have separate toilets for use of the men and women;
- Water supply should be ensured;
- Uninterrupted power supply is essential and
- Safe arrangement to accommodate livestock during the disaster.

Taking care of the feedback given by the FGD participants, site specific Environmental Management Plans (EMP) had been formulated in the studies. The cost of the implementation of the EMPs at each shelter are included in the BoQ.

These assessment reports are sent to WB for review and concurrence. After due review, WB issues concurrence on the EA study reports.

## Supervision of Implementation and Compliance of EMP

- It is the basic responsibility of the contractor of each package to implement the suggested EMP as per provision of the terms of contract. The Environmental & Social/ Safeguard personnel engaged by the contractor is to play a key role in the implementation of the EMPs.
- The Environmental Specialist of the D&S consultant in cooperation with the LGED field supervision staff and contractor staff (ESSO) will supervise and periodically report the implementation and compliance status of the site specific EMP.
- The D&S consultant publishes Environmental Monitoring Report in every quarter of the month.
- The M&E consultant is responsible for overseeing the implementation and compliance EMPs and make periodical report in the form of Field Visit Report (FVR) and Quarterly/ Annual Monitoring Report.

## WB Observations on the Environmental Safeguards (August 21- August 30, 2022)

The WB Implementation Support Review Mission (August 21-August 30, 2022) advised the following:

- To take special care to ensure occupational and community health and safety during erection of various components of the steel framed structures;
- Cranes need to be checked before use. Use of PPE for the all the workers must be ensured;
- In areas where ground water is not suitable for drinking, LGED would explore alternative solutions to find potable water for drinking purposes. Suggestions of DPHE may be taken in this regard.

## Quarterly Environmental Monitoring Report by D&S Consultant

The D&S Consultant publishes at the end of every quarter the “Quarterly Environmental Monitoring Report”. The last ‘Quarterly Environmental Monitoring Report for the quarter July-September, 2022’ has been published by the D&S consultant in 08 August, 2022.

## M&E Consultant’s observations on the Environmental Safeguard Measures

Major environmental concern of MDSP interventions are site specific, temporary and construction related. Site specific Environmental Management Plan (EMP) has been prepared identifying the general issues to be addressed. All site specific EMPs have been compiled to make part of the specifications of the tender documents for particular package for the contractor to follow.

- **First Aid Box:** First Aid Boxes have been supplied in almost all the subprojects.
- **Site Cleaning, Protective Fencing, Sub-project Information Sign Board:** Protective fencing, sub-project information sign boards are generally done. In some cases, however, the fencing gets broken with passage of time which need timely repair.
- **Grass Turfing:** This item is done at the completion of the structure when the site is cleaned and turfing is done and need to be maintained till proper growth.
- **Tree Plantation:** Similarly, plantations have been done in the shelter premises of the completed school-cum- shelters. The gabions are light and narrow in some cases. Regular maintenance of the saplings until safe growth should be ensured.
- **Water filter:** Water filters have been supplied to each subproject.
- **Safety Gear:** Most of the labors are found to use safety gears such as helmets, rubber shoes, light reflecting dress, hand gloves and other safety devices during they work. Unwilling workers need to be motivated to essentially use safety gears.

- **Motivational Training:** The Upazilla Engineers and Contractor representatives are learnt to have been given practical motivational training on environmental issues to implement EMPs. The training and its follow up activities should be strengthened giving particular emphasis to COVID-19 pandemic perspective. The training modules should be made available in field offices for follow up actions.
- **Sanitary Latrine/Septic Tank/Portable Toilet:** Sanitary latrines for use by the labors (male and female) have generally been built but the quality of the latrines with very exceptions need improvement. Due to COVID-19 pandemic, works in most of the sites remained suspended for quite a long time. As a result, most of the temporary sanitary latrines need refurbishment.
- **Camp Site Waste Disposal Facility:** There is provision in the BoQ to create waste disposal facility in each subproject. This item is meant for earmarking separate waste disposal areas away from construction sites to dispose of all construction wastes. In reality, the wastes are kept haphazardly in construction sites creating an unhealthy environment.
- **Dust Suppression Measures:** Mostly sand was kept under cover but in some places this remained exposed as well.
- **Health/Safety Warning Sign:** Health/safety warning signs related to health hazards need to be re-fixed in some subproject site to show warning to the students and people in general.
- **Tube well Installation:** Tube wells have been installed in each subproject to make available safe drinking water for the labour and the site staff. Water test reports have been done.
- **Temporary School Sheds:** Temporary school sheds have been made only when demolishing of existing dilapidated school buildings became imperative. Construction of temporary shed is made of CI sheet roofing, tarza fencing, brick soling floor, size 75 feet x 20 feet.

Due to the COVID-19 endemic, most of the GPS remained closed for a considerable time. Over the period, the physical condition and suitability of most of the temporary sheds considerably deteriorated.

## 4.2 Social Assessment (SA)

As per ESMF of MDSP, all the shelters will be subject to prior social assessment in order to address potential social impact of individual shelters complying with the GoB and WB social safeguard policies. The social assessment mainly comprises of (i) beneficiary assessment, (ii) stakeholder analysis, and (iii) impact assessment related to land acquisition and displacement of PAPs (authorized and unauthorized) from the lands.

Social Assessment enable outlining baseline socio-economic profiles at the shelter areas and the vulnerability of the community to natural disasters and the need for disaster shelters. It also covers assessment of social issues related to site selection, shelter design, methods of obtaining lands for construction, identify impacts of project interventions to prepare Social Management Plan (SMP) and Resettlement Action Plan (RAP) where required. A Grievance Redress Mechanism (GRM) is in place at each shelter for receiving complaints and suggestions, and settlement of grievances.

### Progress of Social Assessment (SA) Studies

After completing social screening of the targeted shelters in different districts, the D&S Consultants have finalized as of December 2021, a total of 506 nos. new disaster shelters: 58 nos in Barishal, 139 nos in Bhola, 19 nos. in Feni, 62 nos. in Cox's Bazar, 34 nos. in Lakhsmipur., 35 nos. in Noakhali., 73 nos. in Chattogram, 36 nos. in Patuakhali and 50 nos. in Pirojpur.

Likewise, the D&S Consultants have also completed SA study of 450 nos of rehabilitation shelters in Chattogram, Feni, Noakhali, Laxmipur, Bhola and Cox's Bazar districts.

LGED sent SMP reports of all the new and rehabilitation shelters to WB for review and concurrence. WB has issued concurrence of the reports.

### **Quarterly Social Monitoring Report by D&S Consultant`**

The D&S Consultant publishes at the end of every quarter the “Quarterly Social Monitoring Report”. The last ‘Quarterly Social Monitoring Report’ for the quarter April-June 2022 has been published by the D&S consultant in 11 August, 2022.

**Annex-01: Monitoring of Incidence and Reporting** shows compliance status of social parameters of each new construction package. The parameters are i) Any incidence of Death, ii) Causing anyone disabled, iii) Any case of injury, iv) Gender based violence incidence, v) Covid-19 infection & vi) Grievance related to work.

From the report, it is seen that in almost all the cases, the incidence of the above parameters is nil.

### **Responsibility for Supervision, Implementation and Compliance of SMP**

It is the basic responsibility of the contractor of each package to implement the social safety measures as per provision of the terms of contract. The Environmental & Social/ Safeguard Officer (ESSO) engaged by the contractor is to play a key role in the implementation of the SMPs.

The Social Safeguard Specialist of the D&S consultant in cooperation with the LGED field supervision staff and contractor staff will supervise and periodically report the implementation and compliance status of the site specific SMP.

The M&E consultant is responsible to oversee the implementation and compliance of SMP issues and make periodical report in the form of Field Visit Report (FVR) and Quarterly/ Annual Monitoring Report.

### **WB Mission Observations on Social Safeguard Measures [Aide Memoire- August 21 to August 30, 2022.]**

Expressing satisfaction in respect adherence to the social safeguard requirements in management of construction and rehabilitation of shelters and shelter connecting roads, the Mission made the following observations:

- LGED has documented and reported good practice examples and lessons learnt on land readiness for shelter sites, connecting roads etc.;
- The approach and procedures of grievance response should also be documented in the good practice note with evidence;
- LGED may like to engage technical language editor to edit the good practice report shared with the Bank and take further guidance to improve the report.

### **Observations of the M&E Consultants on Compliance of Social Safeguards**

MDSP deals with i) Construction of new Shelter-cum-School Buildings, ii) Rehabilitation of old School-cum-Shelter buildings and iii) Construction of Shelter Connecting Roads. The MDSP interventions might need to mainly address two types of social safeguards: a) Land acquisition and b) Resettlement of PAPs.

The Environmental and Social Management Framework (ESMF) specially prepared for MDSP takes into account of the different safeguard issues relating to construction activities.

During social screening phase of Shelters, LGED selects only those shelter sites where there will be no need for land acquisition and consequent resettlement of PAPs. The shelters are mostly built in the premises of

Government Primary Schools. Use of additional private land in extreme situations is managed by voluntary donations through the motivation of the SMCs.

### **Grievance Response Mechanism (GRM)**

The project has developed a Grievance Response Mechanism to answer to queries and address complaints and grievances of the affected persons. A handout on GRM has been prepared in Bengali and distributed to the stakeholders.

Grievance Redress Committees (GRC) have been formed at UZ, district and HQ level.

LGED has established an effective GRM:

- i) A designated complaint e-mail address ([complaints@mdsp.org](mailto:complaints@mdsp.org)) has been set up under the website;
- ii) Any complaint would be reviewed by a designated focal person. He would transmit copy of the complaint to PD, PMU and the TL, D&S Consultant;
- iii) All emails submitted will be acknowledged with a receipt and include a telephone contact number in main office;
- iv) The focal person would forward the complaint to relevant persons at field level for resolution;
- v) Once resolved, focal person would respond to the email address to indicate that the complaint has been resolved.
- vi) Shelter signboards would show the a) mobile nos. of the UZ Engineer and Executive Engineer of LGED and b) the website and designated complaint e-mail address of the project authority; an
- vii) All social monitoring reports should cover grievance monitoring activities using web-based ICT monitoring system.
- viii) The approach and procedures of grievance response activities should be documented for future reference.

During our periodical field visits, it has been observed that LGED has installed display board containing the above information but over the period, the display boards have become partly damaged in some cases which need be replaced by new ones.

## 5. Operational Risk Assessment Framework (ORAF)

Project specific risks originate mainly on procurements, financial management and activities relating to implementation. The assessment of the operational risks of the project have been adequately identified in the PAD of MDSP. The overall risk of MDSP has been rated as 'Substantial' in the PAD. The risk rating has been based on the governance risk present in the country, the fiduciary risks related to large procurement packages, and risks related to delivery of monitoring and supervision. Parallel to the identification of risks, PAD has put in place several risk mitigations measures in the ORAF to address specific related risks.

The compliance status of the Matrix of ORAF as of end of the quarter: July- September, 2022 has been given in **Annex 4**.

## 6. Governance and Accountability Action Plan (GAAP)

PAD of MDSP identifies specific measures to ensure good governance and minimize fraud and corruption risks of the project. The specified measures of GAAP is subject to adjustment as necessary during project implementation. The update status of compliance of GAAP indicators as of end of the quarter: July-September, 2022, has been monitored by the M&E Consultants in support of LGED which is presented in **Annex 5**.

## 7. Field Visits

Since commencement of the Monitoring and evaluation activities of MDSP, the M&E Consultant undertook frequent field visits in order to a) monitor, evaluate and track project progress, inputs, outputs and outcomes, b) oversee compliance of social and environmental safeguards and c) observe overall transparency and good governance during project implementation.

The M&E Consultants undertook **30 nos.** field visits at different times to different MDSP sites till the end of year **2021**. As per terms of contract, the periodical field visit reports were addressed to the Chief Engineer, LGED and shared with all concerned including WB.

In continuation to the previous field visits up to year **2021**, the M&E Consultants undertook 5 nos. field visits during the year **2022** as mentioned below:

The 1<sup>st</sup> field visit: Pirojpur district on 15-16 February, 2022;

The 2<sup>nd</sup> field visit: Chattogram district on 30-31 March, 2022;

The 3<sup>rd</sup> field visit: Noakhali district on 07-08 June, 2022;

The 4<sup>th</sup> field visit: Laxmipur district on 09 June, 2022; and

The 5<sup>th</sup> field visit: Patuakhali district on 10-11 August, 2022

All the field visit reports were circulated to all concerned in due time.



## 8. ICT Monitoring of MDSP

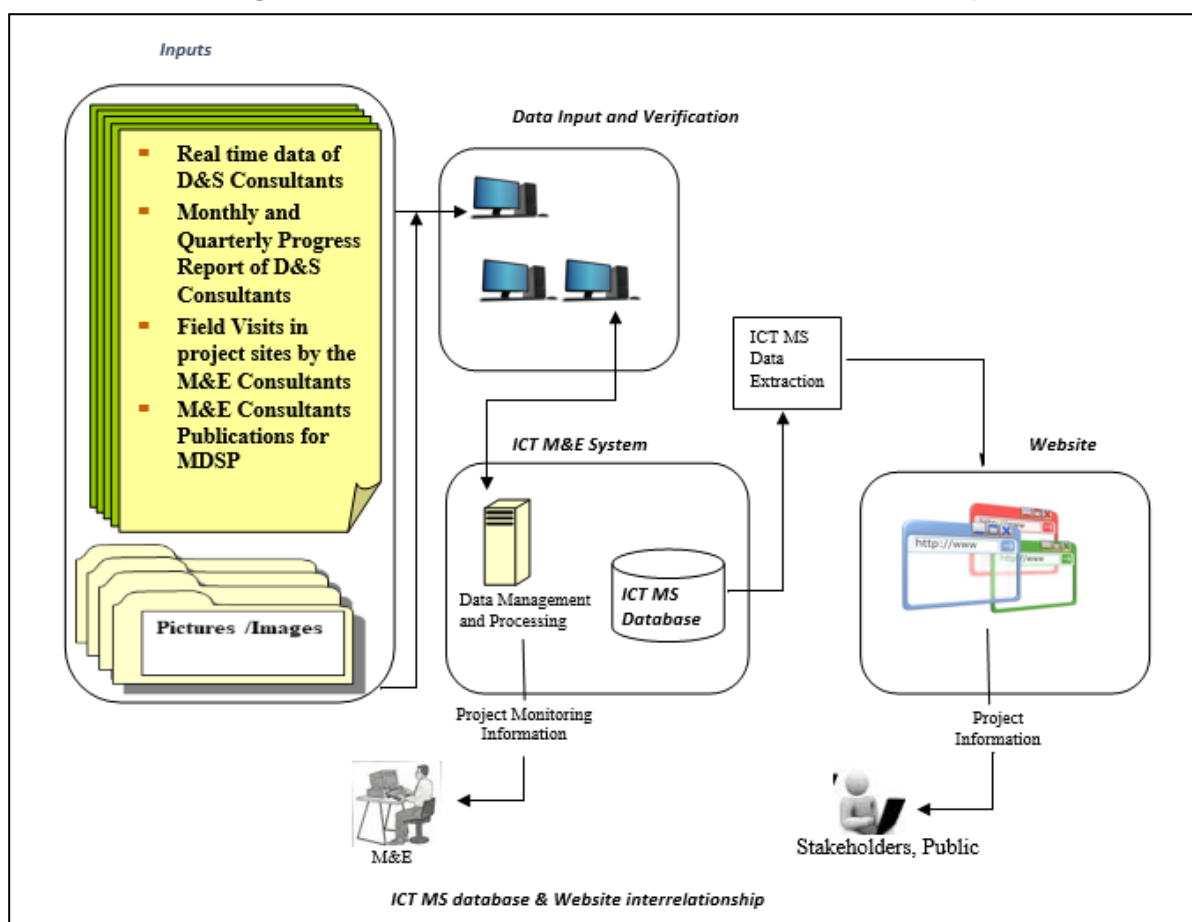
The ICT Monitoring System to support M&E activities consists of two components:

- The ICT database
- The ICT web site

The ICT database contains all the textual data required for MDSP. A Database Management System is used to enter, store, process and analyze the data and present the result thereof.

ICT data base and website inter-relationship is shown in **Figure 8.1** below.

**Figure 8.1: ICT database and website inter-relationship**



## ICT M&E Website:

Design of ICT M&E website by the M&E Consultant has been completed. The Project Director, MDSP gave the directive that the contents of the M&E website will be a part of the existing MDSP website being administered by the D&S Consultant. A new sub-menu named “M&E Consultant” has been created in MDSP website. The sub-menu is periodically updated in pdf form and is given to the web site administrator for uploading.

The contents of the **M&E Sub Menu** are as follows:

### M&E Sub Menu

▶	<b>Result Framework</b>	
▶	Tracking of RF Key Indicators	
▶	Analytical	
▶	Graphical	
▶	<b>Safeguard Issues</b>	
▶	Social	
▶	Environmental	
▶	<b>Progress Monitoring</b>	
▶	Analytical	
▶	Graphical	
▶	<b>Publication of Reports</b>	
▶	Inception Report	
▶	M&E Framework	
▶	Baseline Survey Report	
▶	Quarterly M&E Reports	
▶	Annual M&E Reports	
▶	Mid Term Evaluation Report	
▶	<b>Field Visit Reports</b>	
▶	<b>Photo Gallery</b>	

## 9. Recommending Appropriate Corrective Actions and Recommendations (Task 6).

In line with our observations and recommendations made in our previous monitoring and evaluation reports, we continued to make specific recommendations for corrective actions in the Quarterly Monitoring & Evaluation Reports and Field Visit Reports. In our reports, we have mentioned that the project progress leading to the attainment of Project Development Objective (PDO) indicators as outlined in the PAD is lagging behind the set targets because many reasons like negligence/inability of the contractors to the culture of adopting to and updating of construction schedules, proper management of labor force, timely procurement of construction materials. The practice of sub-contracting has also contributed to the delay in completion of works. There is however, no denying of the fact that COVID-19 pandemic and the Russia-Ukraine war have added further delay in completing works.

In view of the circumstances, GOB and the WB have agreed to extend the project completion period by another 18 months i.e. 30 June, 2023. As such, the annual and quarterly targets of project result framework indicators for completion of the project by new target date to achieve PDO have been re-scheduled.

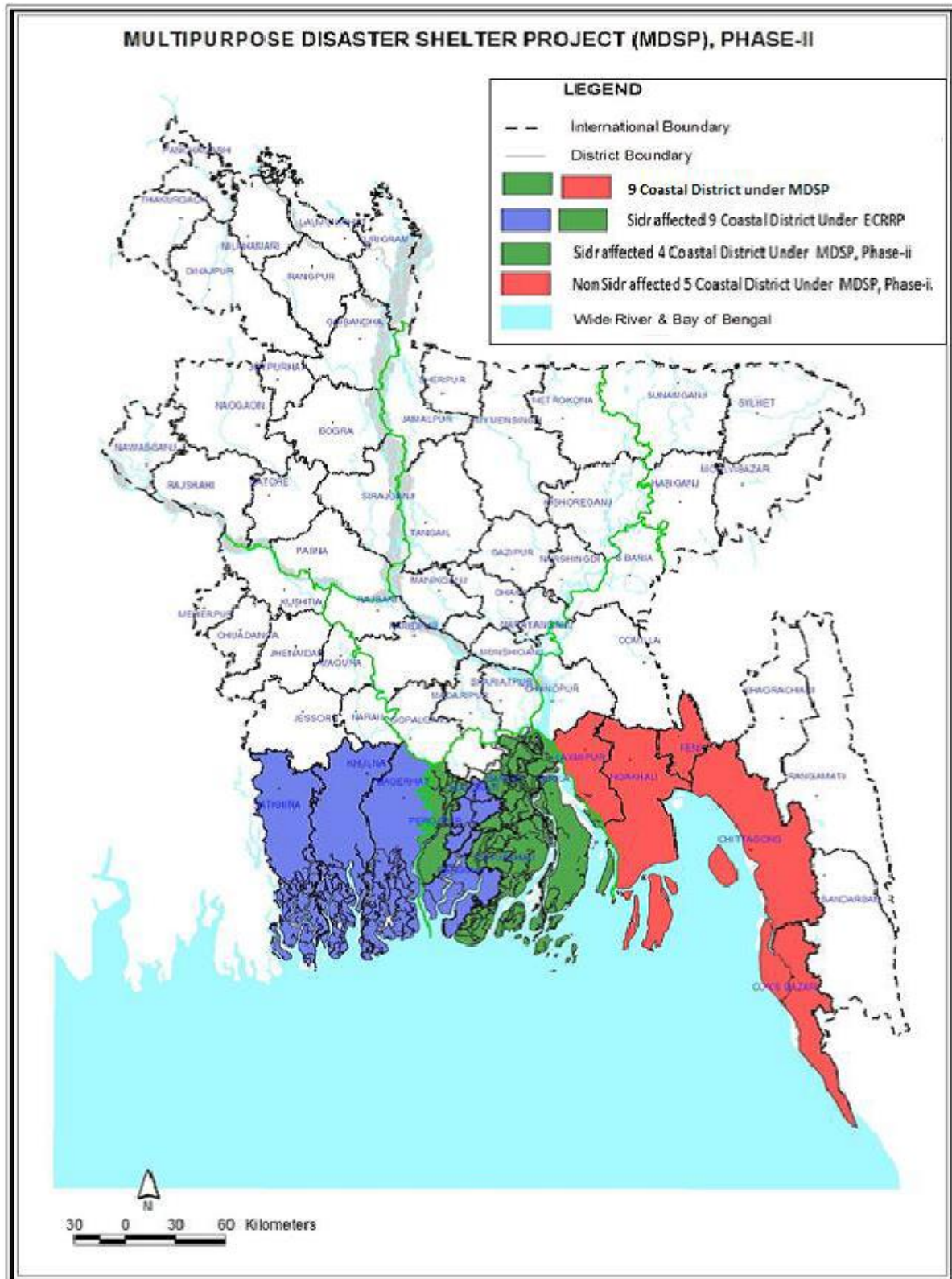
## 10. Preparation and Submission of Reports (Tasks 8, 9 & 10)

The following reports have been prepared and submitted by the M&E Consultant:

- 1) Inception Report – The draft version of the Inception Report was submitted on 29 November, 2016. Taking into consideration the comments of different stakeholder (PMU, LGED and the World Bank), the final version was submitted on 11 January 2017.
- 2) Detailed M&E Framework/Strategy Report – As discussed in Section 4.2, the draft version was submitted in January 2017. Incorporating the comments and observations from the PMU and the World Bank, the Comprehensive M&E Framework/ Strategy Report for MDSP was finalized and submitted on 30 March 2017.
- 3) Development of Baselines - The M&E Consultant undertook the Baseline Survey with effect from May 07, 2017 through hiring an experienced social survey firm “Bangladesh Institute of Social Research (BISR)” as a first step to establish the pre-intervention situation against which progress towards targeted indicators in the Project Results Framework would be measured.  
Field survey has been completed. Data editing and consolidation, data entry, data analysis and preparation of the report has been done. The final report has been published and shared with all stakeholders on 14 October 2017.
- 4) Quarterly Monitoring & Evaluation Report – Quarterly Monitoring & Evaluation Reports are prepared by the M&E Consultants at the end of each quarter of the calendar year. Until last quarter ending June 2022, cumulative 16 nos. Quarterly Monitoring & Evaluation Reports have been published by the M&E Consultant covering the TOR and reflecting implementation status of MDSP.  
This is the 17<sup>th</sup> Quarterly Monitoring & Evaluation Report of the M&E Consultant.
- 5) Annual Monitoring & Evaluation Report- The last and fifth ‘Annual Monitoring and Evaluation Report of MDSP’ for the year 2021 was published on 17 January, 2022.
- 6) Field visit Reports- Periodical field visits are undertaken by the M&E Consultants in every quarter of the year and the field visit reports with observations are regularly shared with all concerned.
- 7) Mid-term Evaluation Report – As per task 9 of the scope of works of the M&E Consultant, preparation of the Mid-term Evaluation Report of MDSP is the responsibility of the M&E Consultant team. The scope of mid-term evaluation of project is focused on evaluating progress to date, effectiveness and, to the extent possible, impact. The evaluation is meant to assess the extent to which the programme is meeting its milestone targets and is on a trajectory that will lead to achieving its stated Goal, Purpose, and Objectives.  
Accordingly, the M&E Consultant did undertake in the 2019, field survey, collection of required data, making analysis of the collected data, evaluation and assessment of impact of the project compared to the baseline survey situation etc.  
The Mid-term Evaluation Report of MDSP as prepared by the M&E Consultant was distributed to all concerned vide our no. MDSP-M&E/56 dated 22.08.2019.
- 8) Final/ Project Implementation Completion Report (PICR) - Not yet due.

## 5. Annexes

Annex 1: Map of Bangladesh, highlighting MDSP Project



**Annex 2A: MDSP Results Framework- Annual Targets Vs. Achievements**

**Results Indicators per PAD**

<b>Project Development Objectives</b>											
PDO Statement The development objective of this project is to reduce the vulnerability of the coastal population to natural disasters across selected coastal districts of Bangladesh.											
<b>Project Development Objective Indicators</b>											
Indicator Name	Unit of Measure	Baseline	Cumulative Target Values (Calendar Year)								End Target
			YR1 (2016)	YR2 (2017)	YR3 (2018)	YR4 (2019)	YR5 (2020)	YR6 (2021)	YR7 (2022)	YR8 (June 2023)	
P-1 Increase in the share of needs met of priority multipurpose disaster shelters in the targeted districts (As per PAD) (Percentage)	%	60.00	60.00	65.00	70.00	75.00	80.00	-			80.00
Amended Target (AM, December 2018)	%	60.00	60.00	60.00	62.00	68.00	80.00	-			80.00
1 <sup>st</sup> Revision: Extension up to 2021	%	60.00	60.00	60.12	60.12	65.00	70	80.00			80.00
2 <sup>nd</sup> Revision: Extension up to June 2023	%	60.00	60.00	60.12	60.12	64.91	66.87	69.36	77.00	80.00	80.00
Achievement as of end of September 2022			60.00	60.12	60.12	64.91	66.87	69.36	70.44		
P-2 Number of project beneficiaries who have access to multipurpose shelters in targeted districts (As per PAD) (Number)	Number	0.00	121,500.00	314,500.00	557,500.00	968,500.00	12,36,500.00	-			12,36,500.00
Amended Target (AM, December 2018)	Number	0.00	0.00	0.00	87,170.00	437,400.00	12,36,500.00	-			12,36,500.00
1 <sup>st</sup> Revision: Extension up to 2021	Number	0.00	0.00	8,580.00	8,580.00	261,480.00	607,590.00	12,36,500.00			
2 <sup>nd</sup> Revision: Extension up to June 2023	Number	0.00	0.00	8,580.00	8,580.00	261,480.00	368,940.00	516,300.00	1,052,050.00	12,36,500.00	12,36,500.00
Achievement as of end of September 2022	Number		0.00	8,580.00	8,580.00	261,480.00	368,940.00	516,300.00	593,520.00		
<b>Intermediate Results Indicators</b>											

Indicator Name	Unit of Measure	Baseline	Cumulative Target Values (Calendar Year)								End Target
			YR1 (2016)	YR2 (2017)	YR3 (2018)	YR4 (2019)	YR5 (2020)	YR6 (2021)	YR7 (2022)	YR8 (June 2023)	
A-1 Number of new multipurpose shelters constructed (As per PAD) (Number)	Number	0.00	50.00	150.00	250.00	350.00	552.00	-			552.00
Amended Target (AM, December 2018)	Number	0.00	0.00	0.00	19.00	180.00	552.00				552.00
1 <sup>st</sup> Revision: Extension up to 2021	Number	0.00	0.00	6.00	6.00	36.00	213.00	552.00			552.00
2 <sup>nd</sup> Revision: Extension up to June 2023	Number	0.00	0.00	6.00	6.00	36.00	58.00	110.00	435.00	552.00	552.00
Achievement as of end of September 2022	Number		0.00	6.00	6.00	36.00	58.00	110.00	164.00		
A-2 Number of multipurpose shelters rehabilitated (As per PAD) (Number)	Number	0.00	50.00	100.00	200.00	325.00	450.00	-			450.00
Amended Target (AM, December 2018)	Number	0.00	0.00	0.00	60.00	180.00	450.00	-			450.00
1 <sup>st</sup> Revision: Extension up to 2021	Number	0.00	0.00	0.00	0.00	210.00	303.00	450.00			450.00
2 <sup>nd</sup> Revision: Extension up to June 2023	Number	0.00	0.00	0.00	0.00	210.00	286.00	359.00	430.00	450.00	450.00
Achievement as of end of September 2022	Number		0.00	0.00	0.00	210.00	286.00	359.00	359.00		
A-3 Roads constructed, Rural (As per PAD) (Kilometers) – (Core)	Kilometer	0.00	50.00	100.00	300.00	450.00	550.00	-			550.00
Amended Target (AM, December 2018)	Kilometer	0.00	0.00	0.00	15.00	150.00	550.00	-			550.00
A-3A Roads constructed, (Kilometers)											
1 <sup>st</sup> Revision: Extension up to 2021	Kilometer	0.00	0.00	0.00	0.00	3.00	185.00	549.50			549.50
2 <sup>nd</sup> Revision: Extension up to June 2023	Kilometer	0.00	0.00	0.00	0.00	3.00	33.12	33.75	420.00	549.50	549.50
Achievement as of end of September 2022	Kilometer		0.00	0.00	0.00	3.00	33.12	33.75	36.183		

Indicator Name	Unit of Measure	Baseline	Cumulative Target Values (Calendar Year)								End Target
			YR1 (2016)	YR2 (2017)	YR3 (2018)	YR4 (2019)	YR5 (2020)	YR6 (2021)	YR7 (2022)	YR8 (June 2023)	
A-3B Culverts and Bridges constructed, (Meters)											
1 <sup>st</sup> Revision: Extension up to 2021	Meter	0.00	0.00	0.00	0.00	0.00	167.00	500.00			500.00
2 <sup>nd</sup> Revision: Extension up to June 2023	Meter	0.00	0.00	0.00	0.00	0.00	115.79	185.79	422.00	500.00	500.00
Achievement as of end of September 2022			0.00	0.00	0.00	0.00	115.79	185.79	286.15		
A-4 Number of additional classrooms built or rehabilitated at the primary level resulting from project interventions (As per PAD). (Number) - (Core)	Number	0.00	300.00	750.00	1350.00	2325.00	3000.00	-			3000.00
Amended Target (AM, December 2018)	Number	0.00	0.00	0.00	237.00	1080.00	3000.00	-			3000.00
1 <sup>st</sup> Revision: Extension up to 2021	Number	0.00	0.00	18.00	18.00	738.00	1548.00	3000.00			3000.00
2 <sup>nd</sup> Revision: Extension up to June 2023	Number	0.00	0.00	18.00	18.00	738.00	1032.00	1407.00	2595.00	3000.00	3000.00
Achievement as of end of September 2022	Number		0.00	18.00	18.00	738.00	1032.00	1407.00	1569.00		
A-5 Participants in consultation activities during project implementation (As per PAD) (Number) - (Core)	Number	0.00	2000.00	5000.00	10000.00	13500.00	20000.00	-			20000.00
Amended Target (AM, December 2018)	Number	0.00	0.00	1000.00	4000.00	9000.00	20000.00	-			20000.00
1 <sup>st</sup> Revision: Extension up to 2021	Number	0.00	2900.00	6850.00	10800.00	13000.00	15100.00	20000.00			20000.00
2 <sup>nd</sup> Revision: Extension up to June 2023	Number	0.00	2900.00	6850.00	10800.00	13000.00	15100.00	15100.00	19400.00	20000.00	20000.00
Achievement as of end of September 2022	Number		2900.00	6850.00	10800.00	13000.00	15100.00	15100.00	16900.00		

Indicator Name	Unit of Measure	Baseline	Cumulative Target Values (Calendar Year)								End Target
			YR1 (2016)	YR2 (2017)	YR3 (2018)	YR4 (2019)	YR5 (2020)	YR6 (2021)	YR7 (2022)	YR8 (June 2023)	
A-6 Participants in consultation activities during project implementation – female (As per PAD) (Number - Sub-Type: Breakdown) - (Core)	Number	0.00	1000.00	2500.00	5000.00	6750.00	10000.00	-			10000.00
Amended Target (AM, December 2018)	Number	0.00	0.00	500.00	2000.00	4500.00	10000.00	-			10000.00
1 <sup>st</sup> Revision: Extension up to 2021	Number	0.00	1700.00	4150.00	6375.00	7775.00	8650.00	10000.00			10000.00
2 <sup>nd</sup> Revision: Extension up to June 2023	Number	0.00	1700.00	4150.00	6375.00	7775.00	8825.00	8825.00	9700.00	10000.00	10000.00
Achievement as of end of September 2022	Number		1700.00	4150.00	6375.00	7775.00	8825.00	8825.00	9725.00		
<b>Amended Target [Additional Intermediate Result Indicator] (AM, December 2018)</b>											
A-7 Physical Progress of New Shelter and Roads Construction	%	0.00	0.60	6.50	17.00	60.00	100.00	-			100.00
1 <sup>st</sup> Revision: Extension up to 2021	%	0.00	0.60	6.50	22.07	31.35	55.00	100.00			100.00
2 <sup>nd</sup> Revision: Extension up to June 2023	%	0.00	0.60	6.50	22.07	31.35	39.31	52.58	78.80	100.00	100.00
Achievement as of end of September 2022	%		0.60	6.50	22.07	31.35	39.31	52.58	65.44		



## Annex 2B: Result Framework – Quarterly Targets Vs. Actual Achievements of Project Indicators.

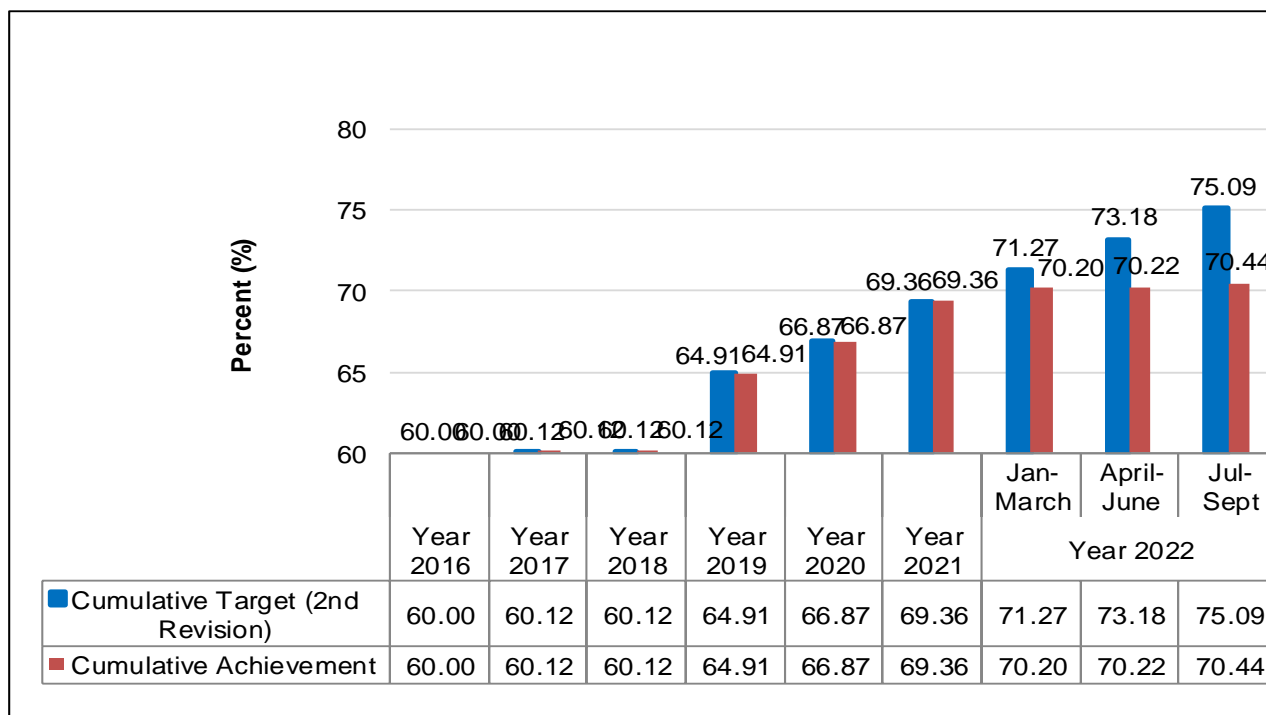
EXPECTED RESULTS  (Col. 1)	PAD INDICATORS  (Col. 2)	Unit  (Col. 3)	Cumulative Values (Calendar Year) per Revision upto June 2023											Reasons for Variance / Remarks  (Col. 15)		
			YR1 (2016)  (Col. 4)	YR2 (2017)  (Col. 5)	YR3 (2018)  (Col. 6)	YR4 (2019)  (Col. 7)	YR5 (2020)  (Col. 8)	YR6 (2021)  (Col. 9)	YR7 (2022)				YR8 (June 2023)  (Col. 14)			
									Jan-Mar 1st Qtr.  (Col. 10)	Apr-Jun 2nd Qtr.  (Col. 11)	Jul-Sep 3rd Qtr.  (Col. 12)	Oct-Dec 4th Qtr.  (Col. 13)				
<b>PDO</b>	<b>PDO Indicators</b>															
The development objective of this project is to reduce the vulnerability of the coastal population to natural disasters across selected coastal districts of Bangladesh.	P-1 Increase in the share of needs met of priority multipurpose disaster shelters in the targeted districts: In terms of percentage	Target (cumulative)	%	60.00	60.12	60.12	64.91	66.87	69.36	71.27	73.18	75.09	77.00	80.00		
		Actual (cumulative)	%	60.00	60.12	60.12	64.91	66.87	69.36	71.27	73.18	70.20	70.22	70.44		
		Variance: value	%	-	-	-	-	-	-	-	(1.07)	(2.96)	(4.65)			
		Slippage: %		-	-	-	-	-	(31.30)	(53.20)	(9.49)	(22.46)	(30.82)			
	P-2 Number of project beneficiaries who have access to multipurpose shelters in targeted districts.	Target (cumulative)	nos.	-	8,580	8,580	261,480	368,940	516,300	650,130	784,068	918,005	1,052,050	1,236,500		
		Actual (cumulative)	nos.	-	8,580	8,580	261,480	368,940	516,300	576,360	577,790	593,520				
		Variance: value	nos.	-	-	-	-	-	-	(73,770)	(206,278)	(324,485)				
		Slippage: %		-	-	-	-	-	-	(11.35)	(26.31)	(35.35)				
	<b>Intermediate Result Indicators</b>															
	A-1 Number of new multipurpose shelters constructed	Target (cumulative)	nos.	-	6.00	6.00	36.00	58.00	110.00	191.00	273.00	354.00	435.00	552.00		
Actual (cumulative)		nos.	-	6.00	6.00	36.00	58.00	110.00	152.00	153.00	164.00					
Variance: value		nos.	-	-	-	-	-	-	(39)	(120)	(190)					
Slippage: %			-	-	-	-	-	-	(20.42)	(43.96)	(53.67)					
A-2 Number of multipurpose shelters rehabilitated.	Target	nos.	-	-	-	210.00	286.00	359.00	377.00	395.00	412.00	430.00	450.00			
	Actual	nos.	-	-	-	210.00	286.00	359.00	359.00	359.00	359.00					
	Variance: value	nos.	-	-	-	-	-	-	(18)	(36)	(53)					
	Slippage: %		-	-	-	-	-	-	(5)	(9)	(13)					
A-3 Access Road construction in rural areas																
A-3A Roads construction.	Target (cumulative)	km	-	-	-	3.00	33.12	33.75	130.31	226.87	323.44	420.00	549.50			
	Actual (cumulative)	km	-	-	-	3.00	33.12	33.75	33.75	35.97	36.18					
	Variance: value	km	-	-	-	-	-	-	(97)	(191)	(287)					
	Slippage: %		-	-	-	-	-	-	(74)	(84)	(89)					
A-3B Culverts and Bridges construction.	Target (cumulative)	m	-	-	-	115.79	185.79	244.84	303.90	362.95	422.00	500.00				
	Actual (cumulative)	m	-	-	-	115.79	185.79	185.79	201.39	286.15						
	Variance: value	m	-	-	-	-	-	(59)	(103)	(77)						
	Slippage: %		-	-	-	-	-	(24)	(34)	(21)						
A-4 Number of classrooms built in new shelters and additional class rooms in horizontal/ vertical extension buildings of existing shelters.	Target	nos.	-	18.00	18.00	738.00	1,032.00	1,407.00	1,704.00	2,001.00	2,298.00	2,595.00	3,000.00			
	Actual	nos.	-	18.00	18.00	738.00	1,032.00	1,407.00	1,533.00	1,536.00	1,569.00					
	Variance: value	nos.	-	-	-	-	-	-	(171)	(465)	(729)					
	Slippage: %		-	-	-	-	-	-	(10.04)	(23.24)	(31.72)					
A-5 Participants (Male & Female) in consultation activities during project implementation.	Target	nos.	2,900.00	6,850.00	10,800.00	13,000.00	15,100.00	15,100.00	16,175.00	17,250.00	18,325.00	19,400.00	20,000.00			
	Actual	nos.	2,900.00	6,850.00	10,800.00	13,000.00	15,100.00	15,100.00	15,700.00	16,300.00	16,900.00					
	Variance: value	nos.	-	-	-	-	-	-	(475.00)	(950.00)	(1,425.00)					
	Advance: %		-	-	-	-	-	-	(3)	(6)	(8)					
A-6 Participants (Female) in consultation activities during project implementation.	Target	nos.	1,700.00	4,150.00	6,375.00	7,775.00	8,825.00	8,825.00	9,044.00	9,263.00	9,581.00	9,700.00	10,000.00			
	Actual	nos.	1,700.00	4,150.00	6,375.00	7,775.00	8,825.00	8,825.00	9,125.00	9,425.00	9,725.00					
	Variance: value	nos.	-	-	-	-	-	-	81.00	162.00	144.00					
	Advance: %		-	-	-	-	-	-	1	2	2					
A-7 Physical Progress of New Shelters and Roads Construction.	Target	%	0.60	6.50	22.07	31.35	39.31	52.58	59.14	65.69	72.25	78.80	100.00			
	Actual	%	0.60	6.50	22.07	31.35	39.31	52.58	57.40	60.95	65.44					
	Variance: value	%	-	-	-	-	-	-	(1.74)	(4.74)	(6.81)					
	Advance/Slippage: %		-	-	-	-	-	-	(3)	(7)	(9)					

## Annex 2B: Result Framework - Quarterly Targets Vs Actual Achievements of Project Indicators (Cont.)

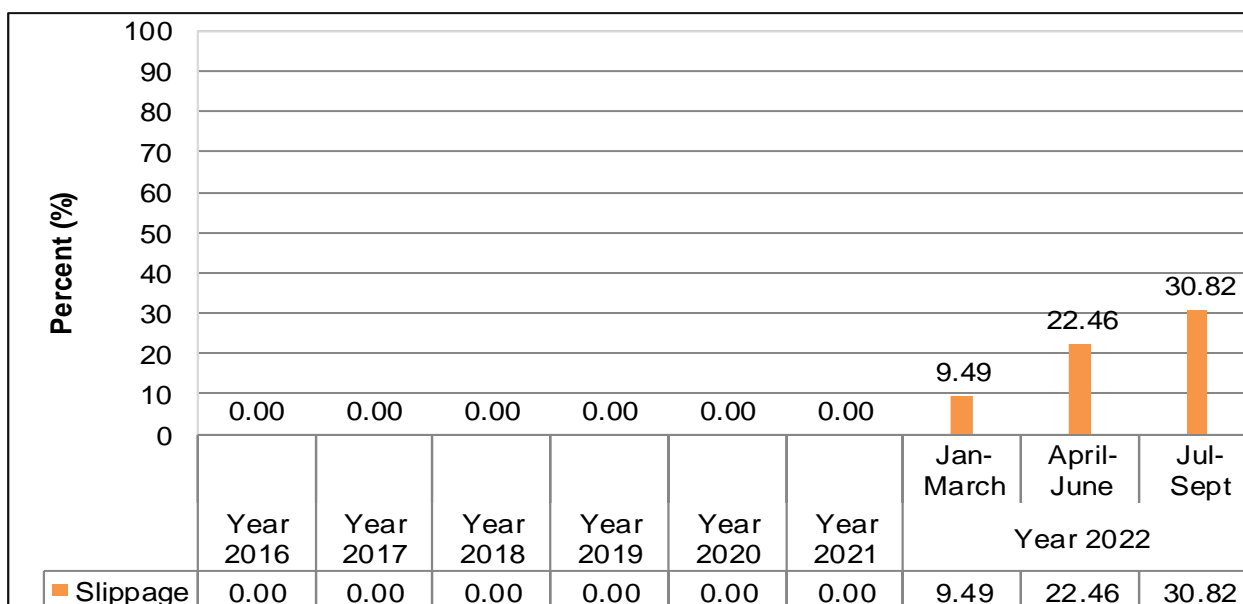
EXPECTED RESULTS (Col. 1)	PAD INDICATORS (Col. 2)	Unit (Col. 3)	Cumulative Values (Calendar Year) per Revision upto June 2023											Reasons for Variance / Remarks (Col. 15)	
			YR1 (2016) (Col. 4)	YR2 (2017) (Col. 5)	YR3 (2018) (Col. 6)	YR4 (2019) (Col. 7)	YR5 (2020) (Col. 8)	YR6 (2020) (Col. 9)	YR7 (2022)				YR8 (June 2023) (Col. 14)		
			Jan-Mar 1st Qtr. (Col. 10)	Apr-Jun 2nd Qtr. (Col. 11)	Jul-Sep 3rd Qtr. (Col. 12)	Oct-Dec 4th Qtr. (Col. 13)									
<b>PDO</b>	<b>ADDITIONAL INDICATORS (BEYOND PAD)</b>														
	<b>Outcome Indicators</b>														
The development objective of this project is to reduce the vulnerability of the coastal population to natural disasters across selected coastal districts of Bangladesh.	P-3 Increase in the share of needs met of priority multipurpose disaster shelters in the targeted districts. In terms of number	Target (cumulative) Actual (cumulative) Variance: value Slippage: %	nos. nos. nos.	3,006.00 3,006.00 -	3,012.00 3,012.00 -	3,012.00 3,012.00 -	3,252.00 3,252.00 -	3,350.00 3,350.00 -	3,475.00 3,475.00 -	3,563.75 3,517.00 (46.75)	3,652.50 3,518.00 (134.50)	3,741.25 3,529.00 (212.25)	3,830.00 (212.25)	4,008.00 (212.25)	
	P-4 Rehabilitation of Existing Shelters- Provide improved facilities (Modern floor, water supply, sanitation, separate toilets for men & women, separate space for disabled and maternity use, store room, solar power etc.) to vulnerable population.	Target (cumulative) Actual (cumulative) Variance: value Slippage: %	nos. nos. nos.	- - -	- - -	- - -	210,000 210,000 -	286,000 286,000 -	359,000 359,000 -	374,167 359,000 (15,167)	389,334 359,000 (30,334)	404,501 359,000 (45,501)	419,667 (45,501)	450,000 (45,501)	
	P-5 Total number of project beneficiaries who have access to the multipurpose shelters under MDSP as a percentage (%) of total vulnerable population in targeted districts.	Target Actual Variance: value Slippage: %	% % %	0.00 0.00 -	0.13 0.13 -	0.13 0.13 -	4.23 4.23 -	5.97 5.97 -	8.35 8.35 -	10.52 9.32 (1.19)	12.68 9.35 (3.34)	14.85 9.60 (5.25)	17.02 (5.25)	20.00 (5.25)	Total vulnerable population in targeted districts was obtained from the baseline survey results conducted by the M&E Consultant.
	P-6 Provision of space for providing shelter to live stock for safety in new shelters during disasters.	Target (cumulative) Actual (cumulative) Variance: value Slippage: %	nos. nos. nos.	18,000 18,000 -	19,200 19,200 -	19,200 19,200 -	25,200 25,200 -	29,600 29,600 -	40,000 40,000 -	54,733 48,400 (6,333)	69,467 48,600 (20,867)	84,200 50,800 (33,400)	98,933 (33,400)	128,400 (33,400)	Baseline value of livestock population having safe shelters in the targeted districts was obtained as 18,000 (From ECRRP)
	P-7 Number of livestock to have safe shelter in the multipurpose shelters as a percentage (%) of total vulnerable livestock population needing shelter in targeted districts.	Target (cumulative) Actual(cumulative) Variance: value Slippage: %	% % %	1.60 1.60 -	1.71 1.71 -	1.71 1.71 -	2.24 2.24 -	2.63 2.63 -	3.56 3.56 -	4.86 4.30 (0.56)	6.17 4.32 (1.85)	7.48 4.52 (2.97)	8.79 (2.97)	11.41 (2.97)	Total vulnerable livestock population in targeted districts was obtained from the baseline survey results conducted by the M&E Consultant. Baseline value of this indicator is 1.60.
	P-8 Increase in the student enrolment in percent due to creation of additional space and provision of modern facilities for schooling in the shelter cum schools.														Baseline data of student enrolment is being collected. Indicator based evaluation will be made at Mid-term and End of Project Survey.
	P-9 Perception on the provision of improved communication facilities for the target groups for easy access to shelters cum schools.														Baseline data has been collected. Evaluation will be made at Mid-term and End of Project Survey.
	P-10 Perception of beneficiaries on project interventions as safe haven														Baseline data has been collected. Evaluation will be made at Mid-term and End of Project Survey.
	<b>Intermediate Result Indicators</b>														
	A-8A General views of the Stakeholders on Social/ Environmental Safety Issues: (a) Complying appropriate social mitigation measures before and during construction phase.		Level of Satisfaction												Stakeholders views being obtained during periodic field visits by the M&E Consultant.
	A-8B General views of the Stakeholders on Social/ Environmental Safety Issues: (b) Complying required environmental mitigation measures before and during construction phase.		Level of Satisfaction												Stakeholders views being obtained during periodic field visits by the M&E Consultant.
	A-9 Number of trainings conducted by the D&S Consultants for the capacity building of SMCs	Target(cumulative) Actual(cumulative) Variance: value Slippage: %	nos. nos. nos.	- - -	8.00 - (8)	15.00 - (15)	15.00 - (15)	15.00 - (15)	15.00 - (15)	15.00 - (15)	15.00 - (15)	15.00 - (15)	15.00 - (15)		
	A-10 Number of participants attending the training programs conducted for SMCs	Target(cumulative) Actual(cumulative) Variance: value Slippage: %	nos. nos. nos.	- - -	960 - (960)	1,800 - (1,800)	1,800 - (1,800)	1,800 - (1,800)	1,800 - (1,800)	1,800 - (1,800)	1,800 - (1,800)	1,800 - (1,800)	1,800 - (1,800)		
	A-11A ICT monitoring of number of visits made in the project sites by: (a) D&S Consultant	Target (cumulative) Actual (cumulative) Variance: value Slippage: %	nos. nos. nos.	- - -	5,263 - (5,263)	14,476 - (14,476)	41,438 - (41,438)	48,375 - (48,375)	55,182 - (55,182)	59,610 - (59,610)	- - -	- - -			
	A-11B ICT monitoring of number of visits made in the project sites by: (b) M&E Consultant team members	Target (cumulative) Actual (cumulative) Variance: value Slippage: %	nos. nos. nos.	- - -	28 - (28)	71 - (71)	101 - (101)	109 - (109)	115 - (115)	123 - (123)	131 - (131)	139 - (139)			

**Annex 2C: MDSP Results Framework Indicators**

**P-1: Increase in the share of needs met of priority multipurpose disaster shelters in the targeted district.**

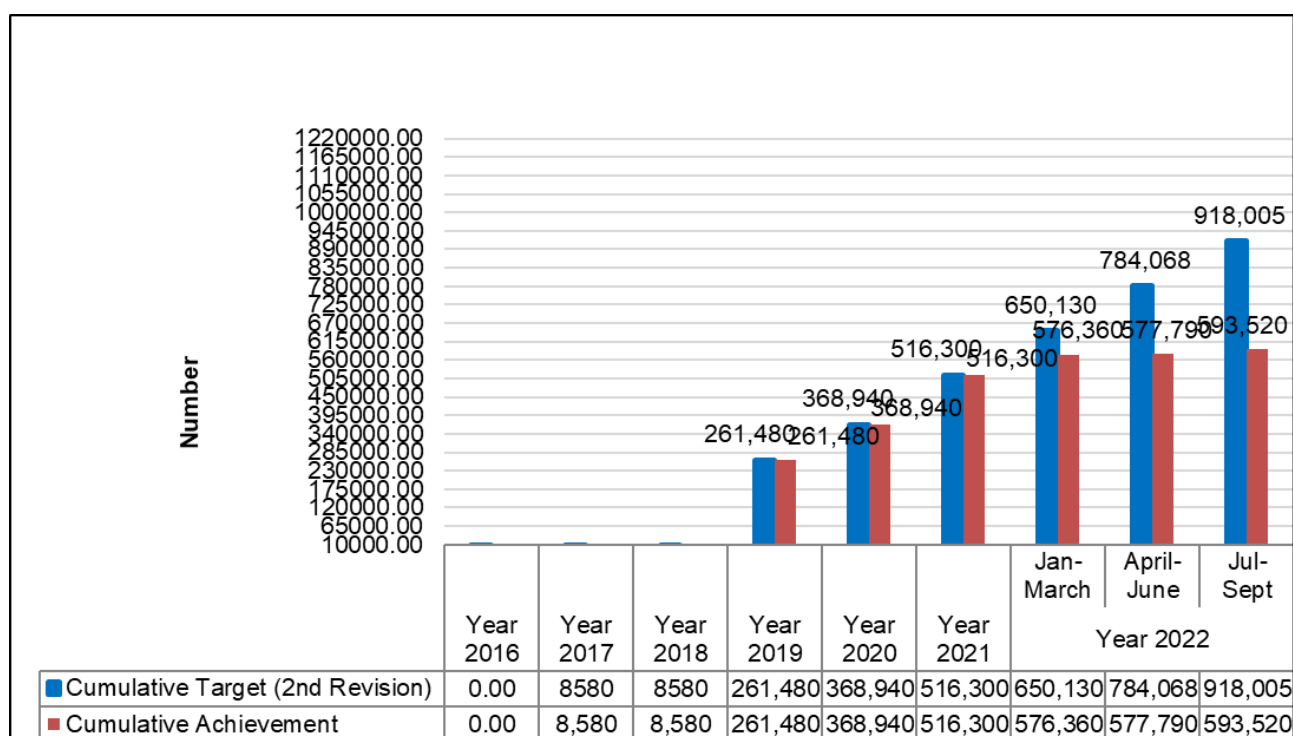


**Target vs Achievement in percent (Cumulative)**

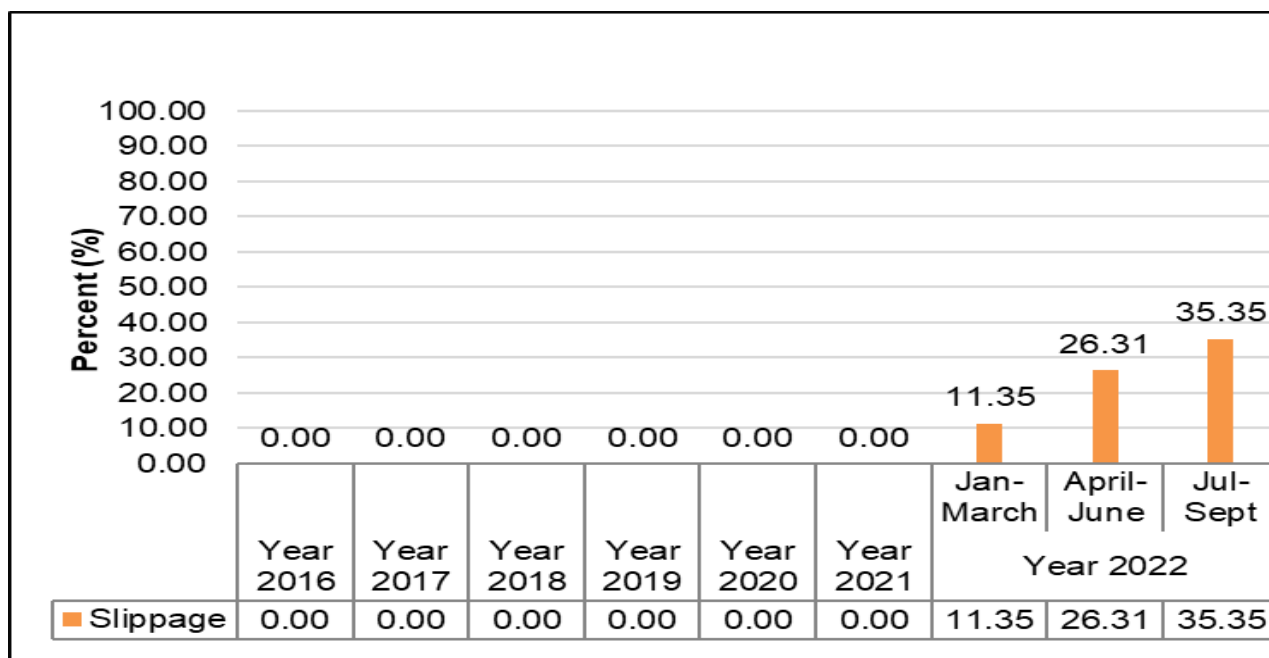


**Slippage in percent (Cumulative)**

**P-2: Number of project beneficiaries who have access to multipurpose shelters in targeted districts.**

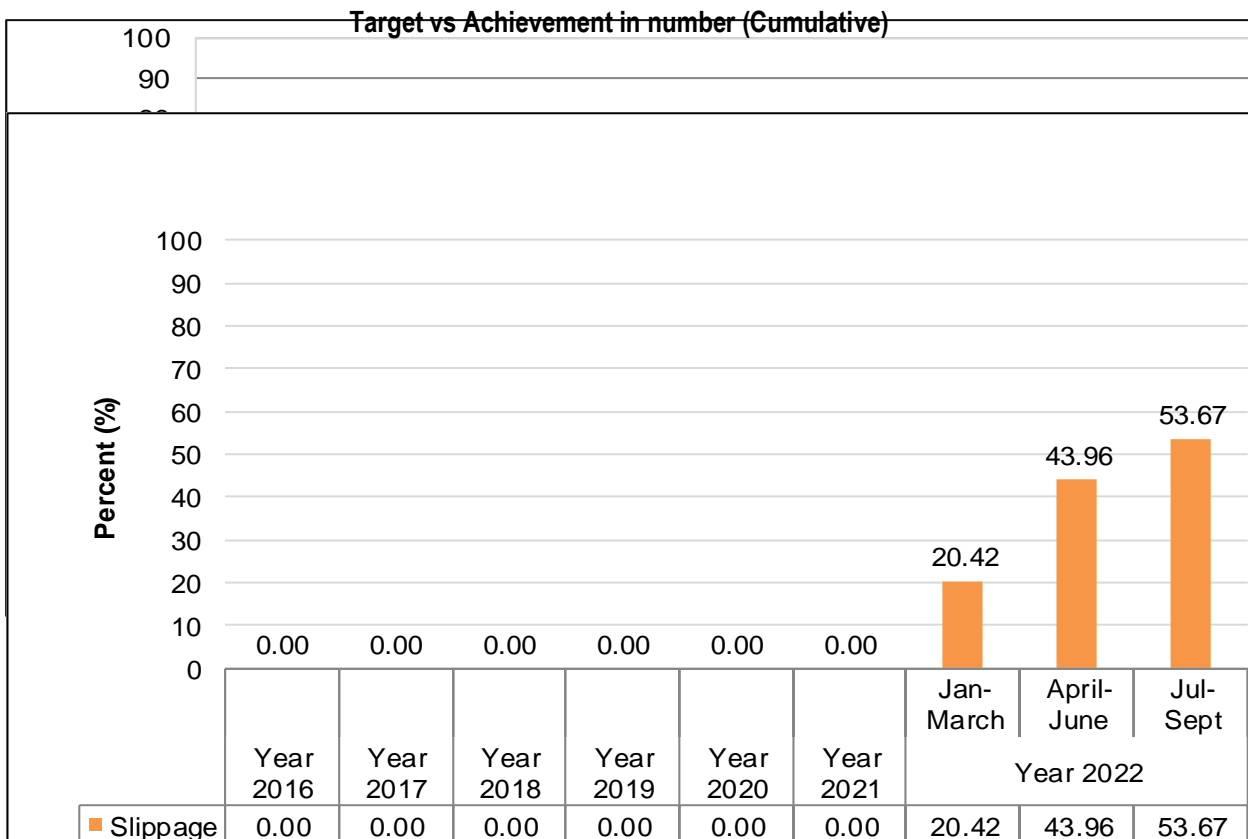
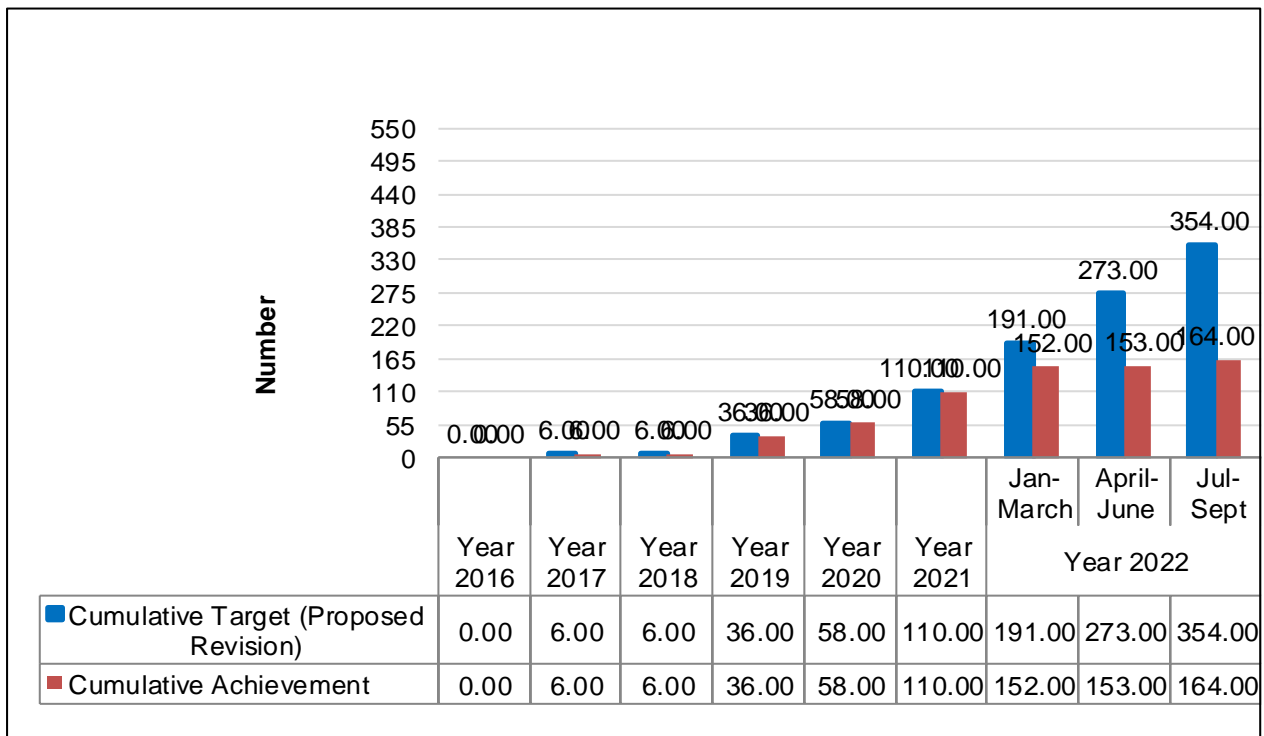


**Target vs Achievement in number (Cumulative)**



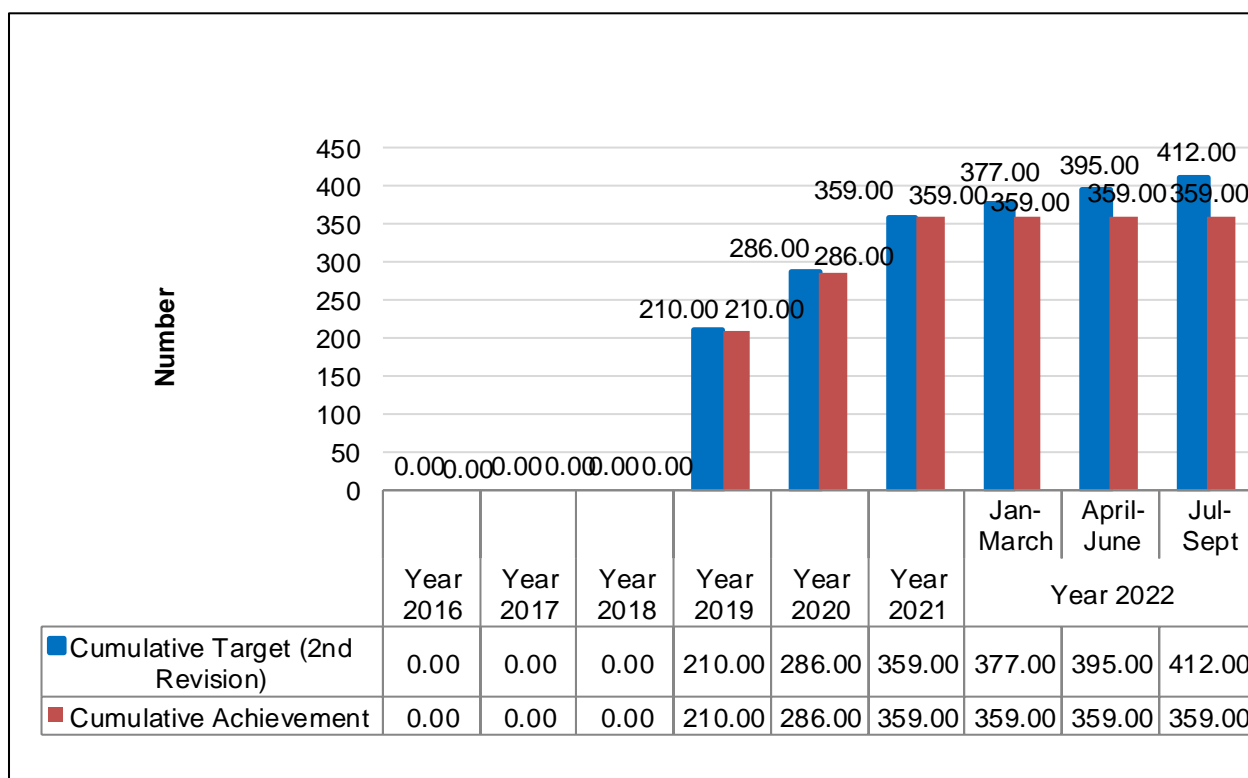
**Slippage in percent (Cumulative)**

### A-1: Number of new multipurpose shelters constructed

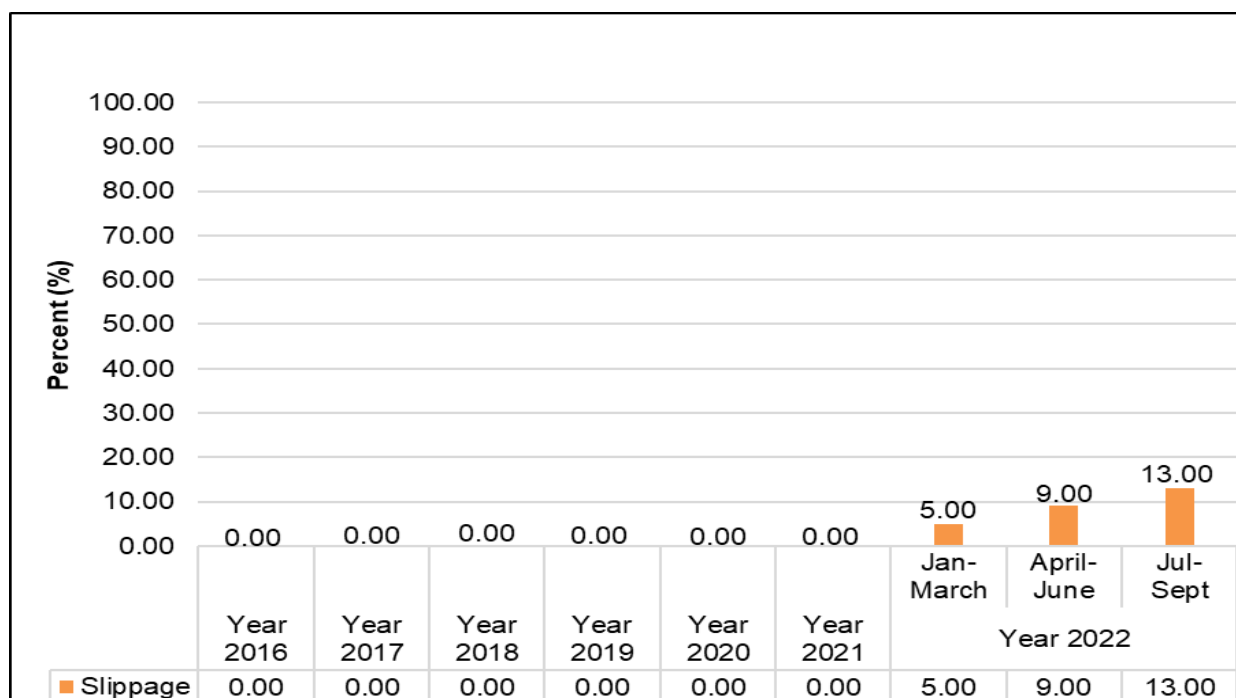


### Slippage in percent (Cumulative)

## A-2: Number of multipurpose shelters rehabilitated



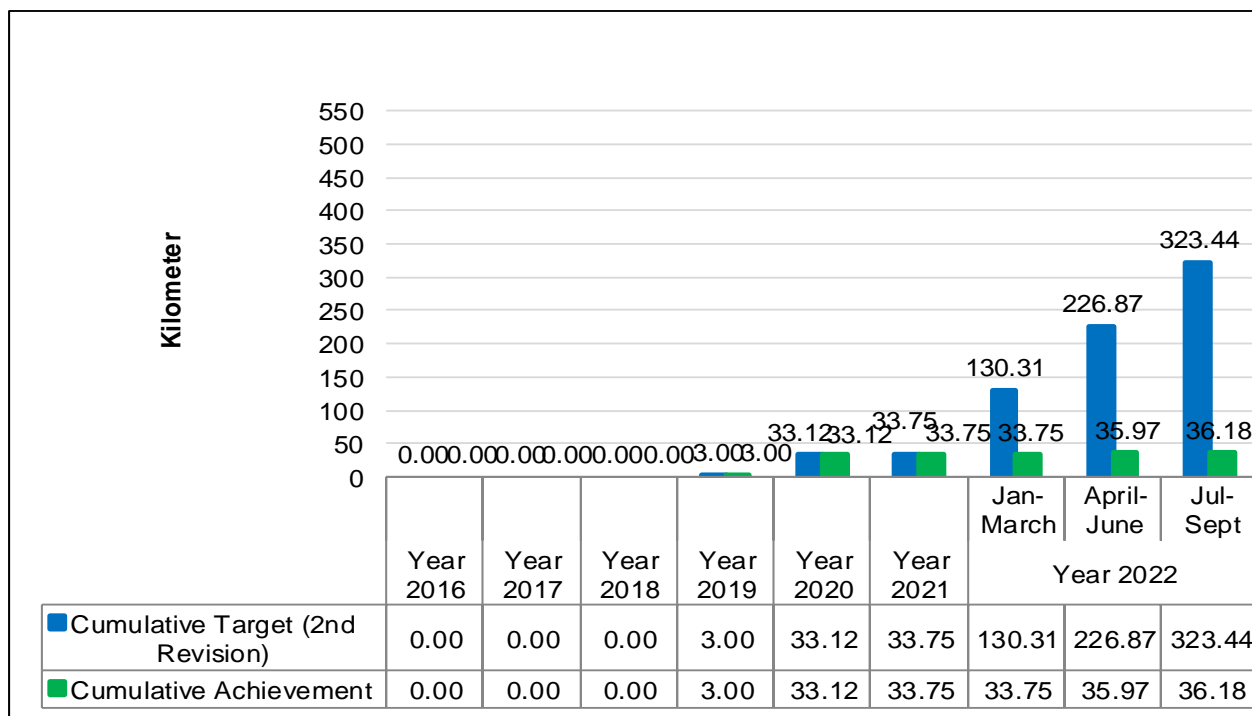
Target vs Achievement in number (Cumulative)



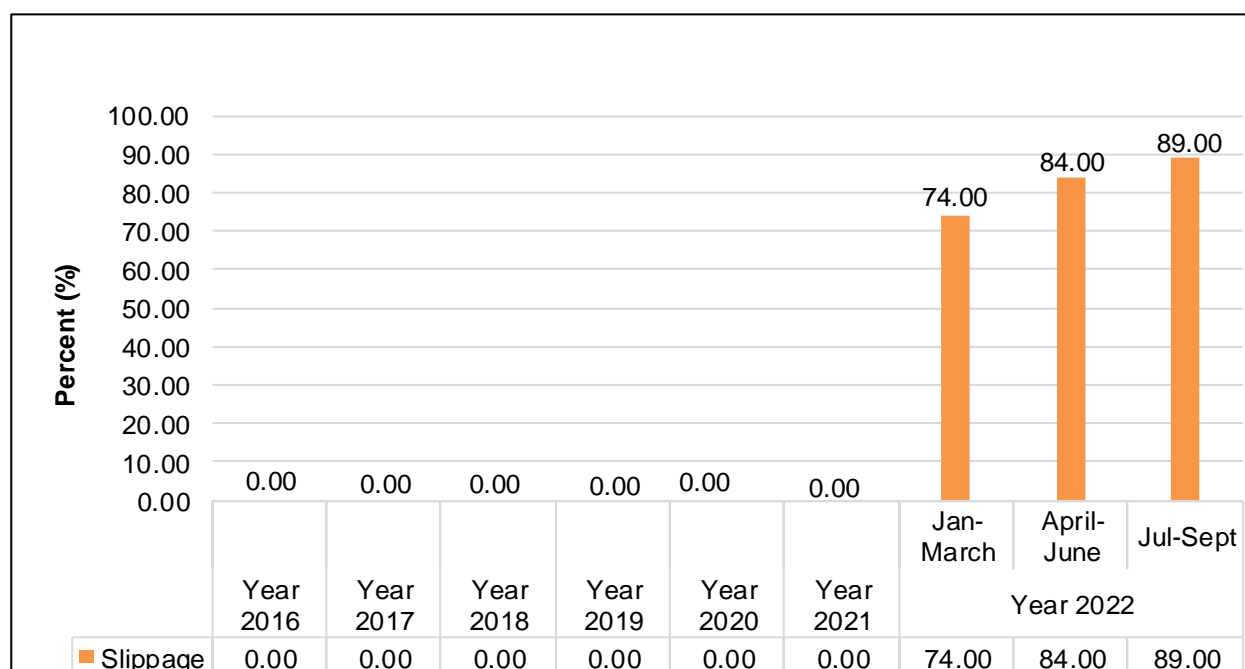
Slippage in percent (Cumulative)

### A-3: Roads construction in Rural Areas

#### A-3A: Access Roads construction

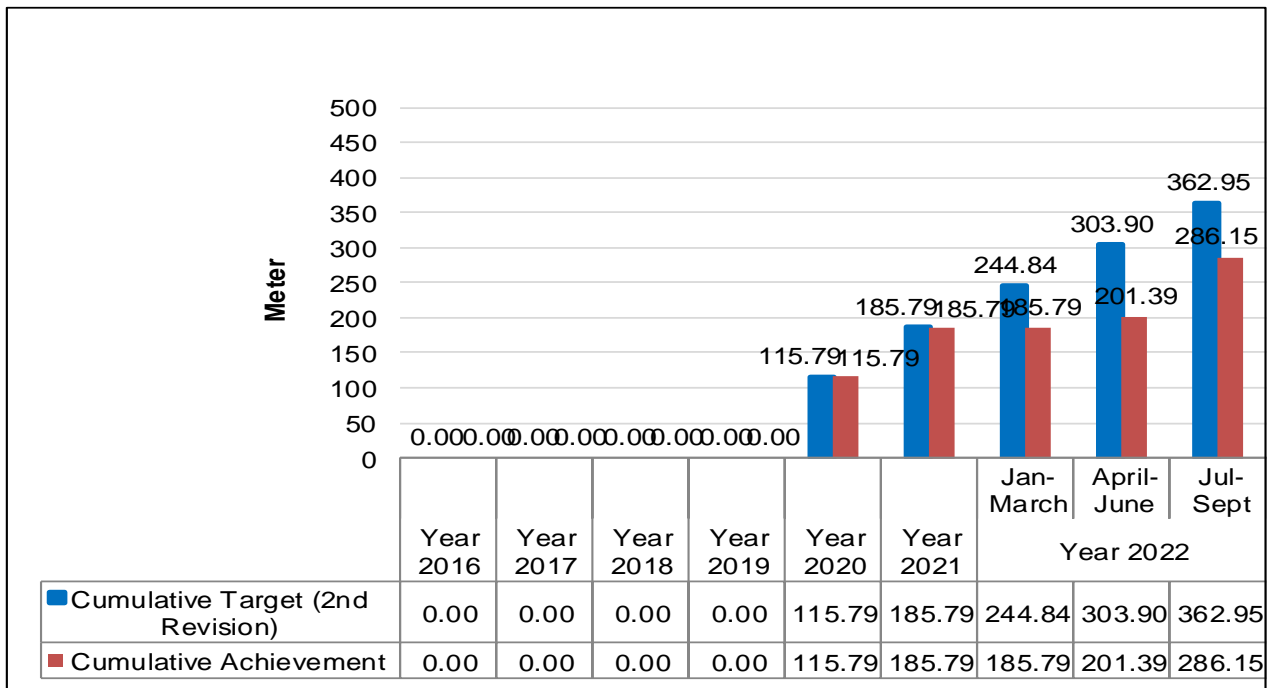


**Target vs Achievement in Km (Cumulative)**

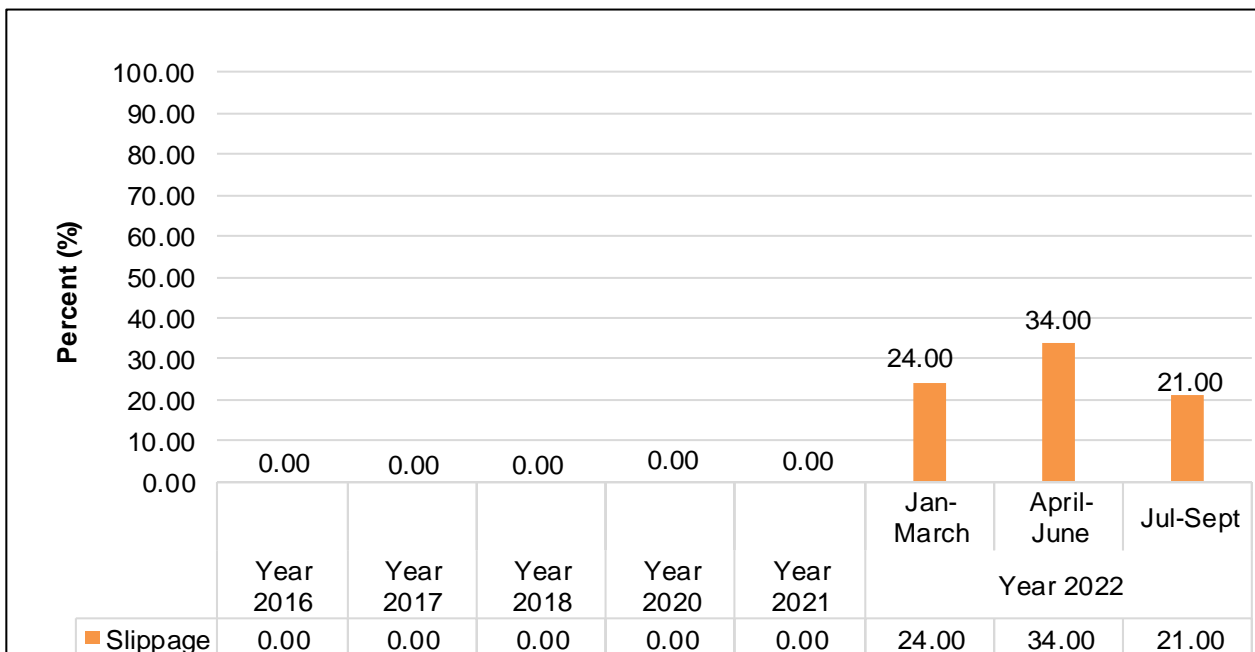


**Slippage in percent (Cumulative)**

### A-3B: Bridges and Culverts construction



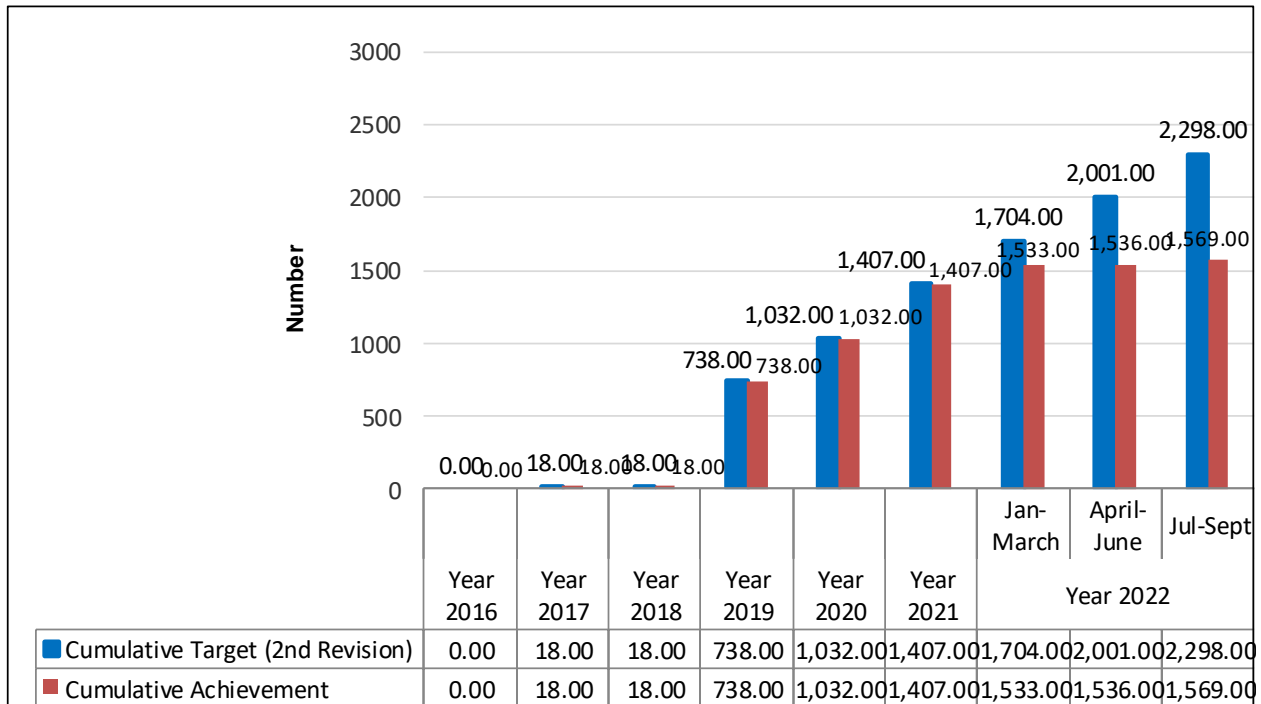
**Target vs Achievement in meter (Cumulative)**



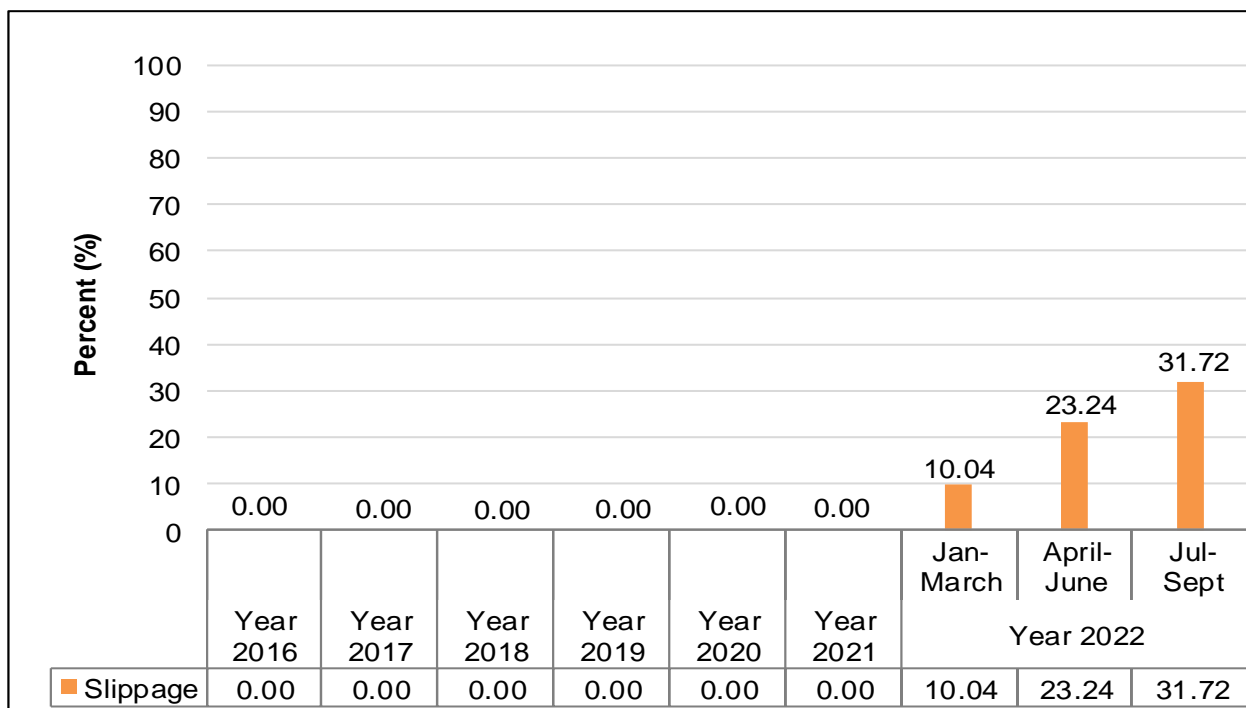
**Slippage in percent (Cumulative)**



**A-4: Number of additional classrooms built or rehabilitated at the primary level resulting from project interventions.**

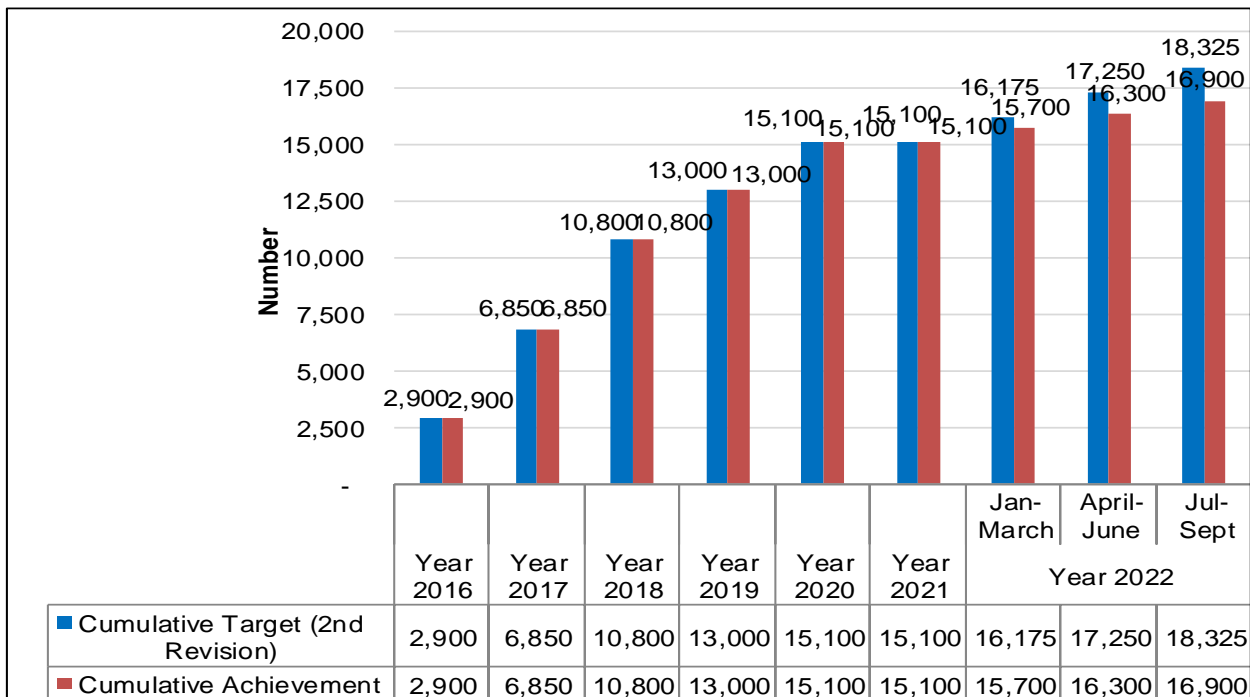


**Target vs Achievement in number (Cumulative)**

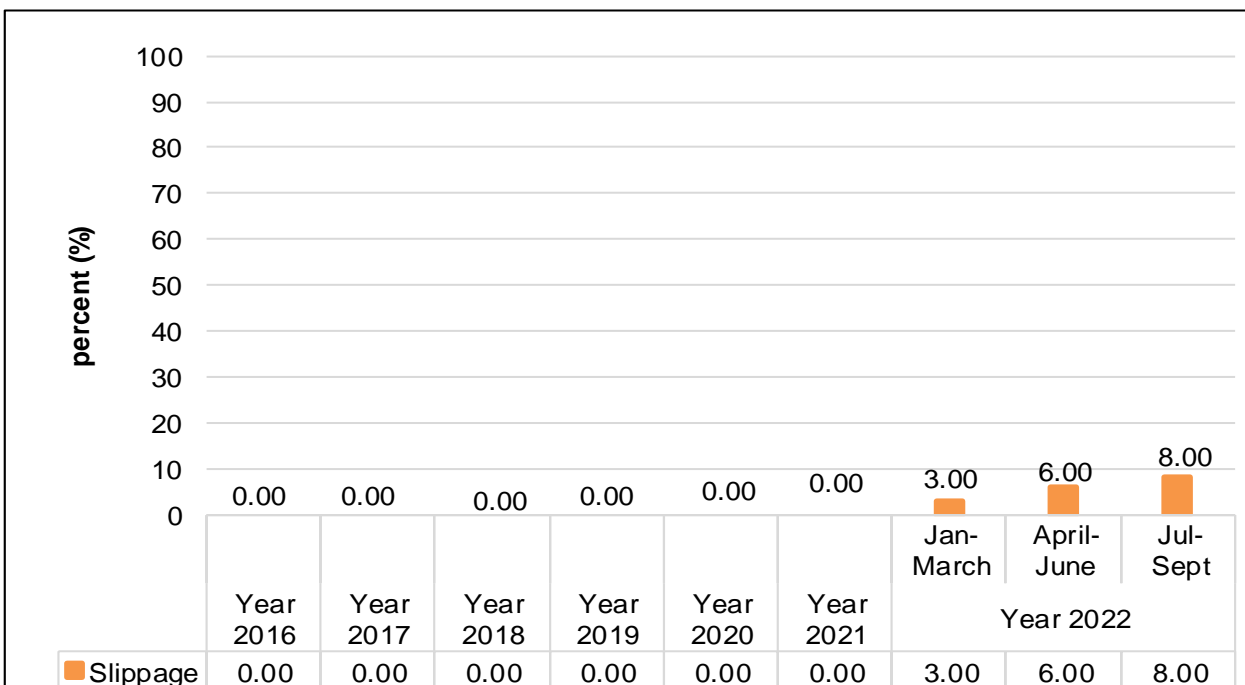


**Slippage in percent (Cumulative)**

**A-5: Participants (Male & Female) in consultation activities during project implementation.**

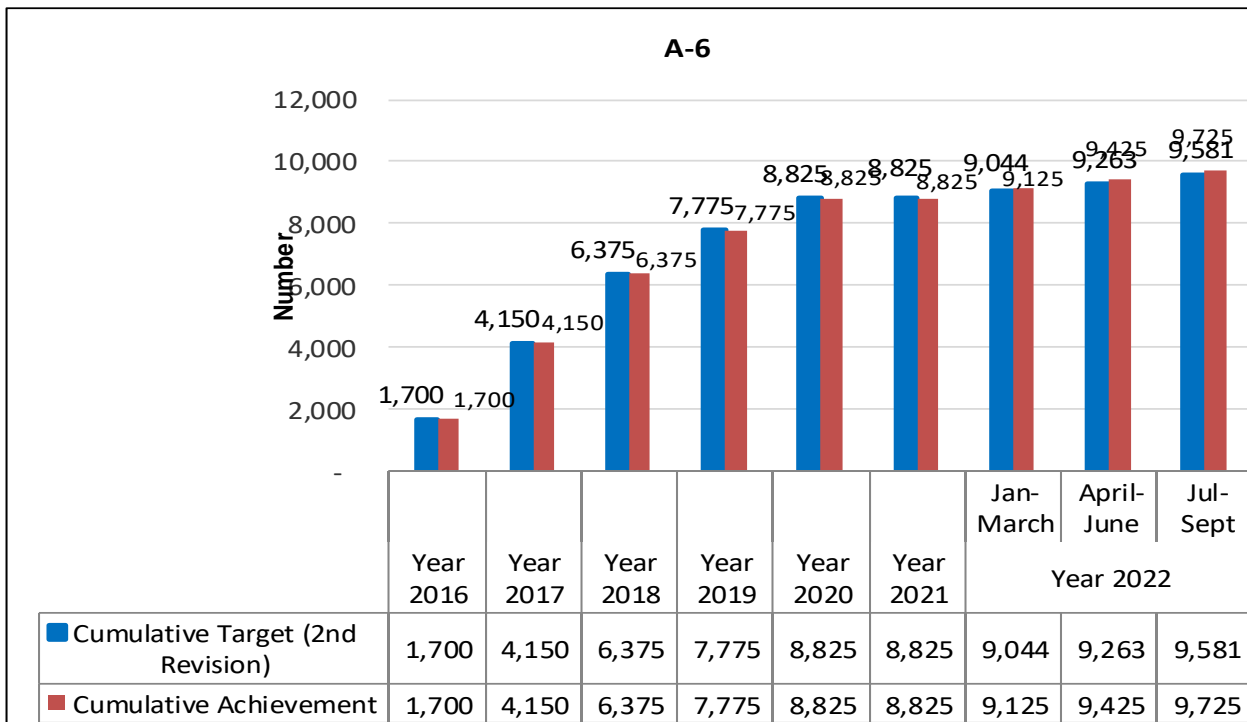


**Target vs Achievement in number (Cumulative)**

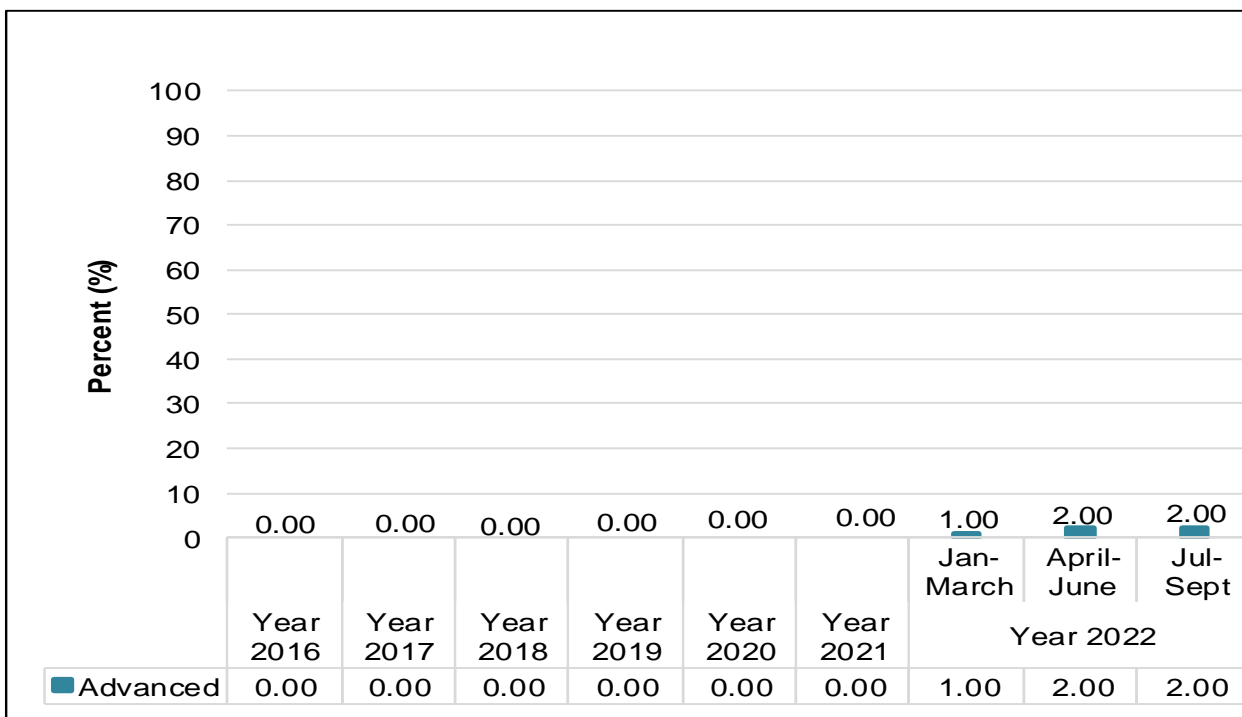


**Slippage in percent (Cumulative)**

**A-6: Participants (Female) in consultation activities during project implementation.**

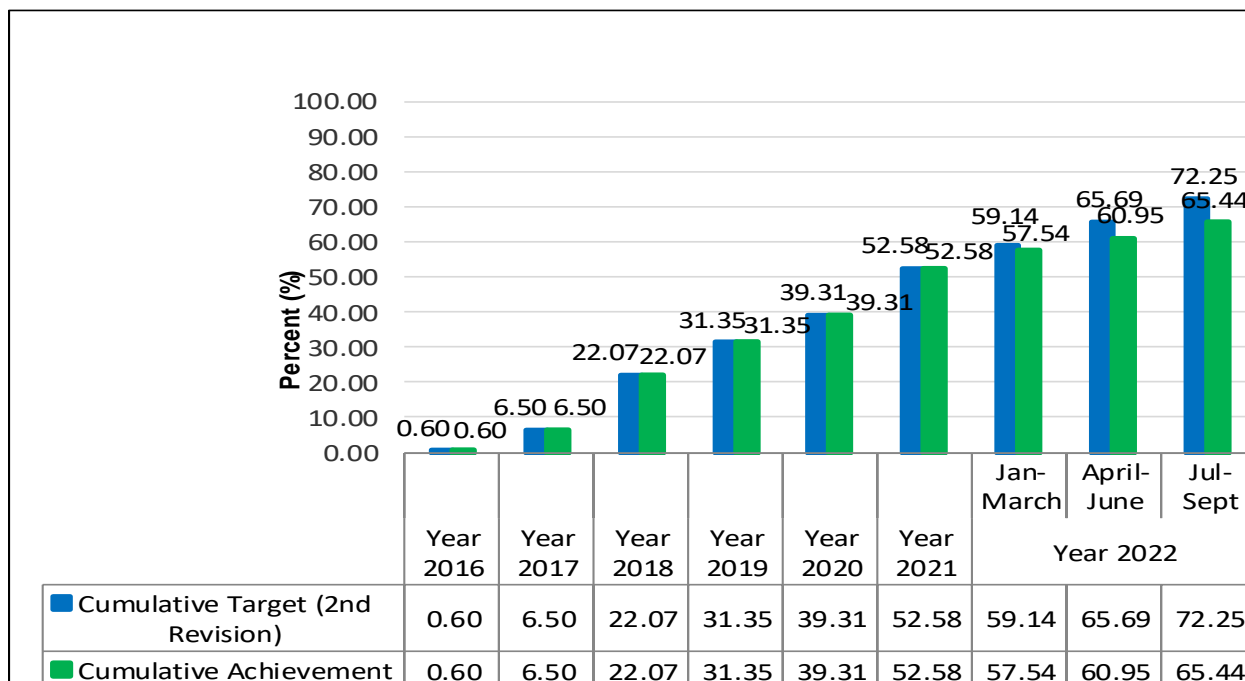


**Target vs Achievement in number (Cumulative)**

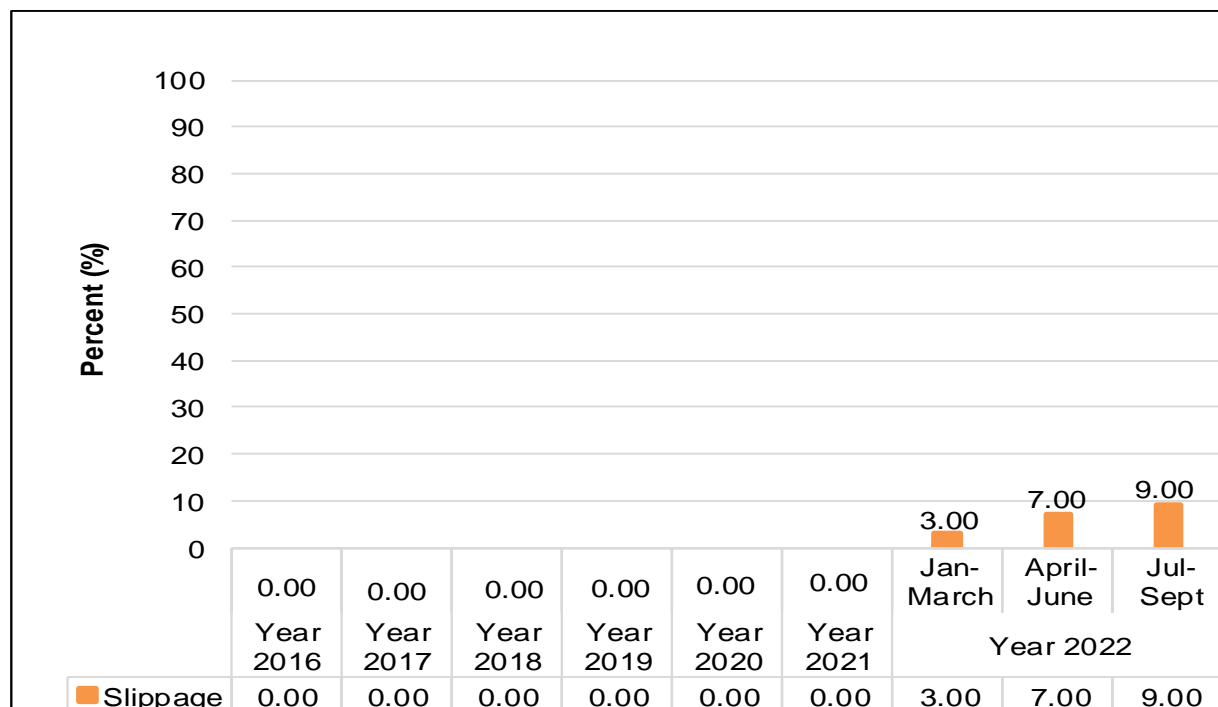


**Advanced in percent (Cumulative)**

### A-7: Physical Progress of New Shelter and Roads Construction



Target vs Achievement in number (Cumulative)



Slippage in percent (Cumulative)



### Annex 3B: Process Monitoring - Package wise construction of New Cyclone Shelters including Shelter Connecting Roads

Date: 30-09-2022																	
Package wise Shelter Information						Preparatory works up to design approval					Tender notice up to signing of contract						Remarks (any relevant information not yet included e.g. causes of delays)
Package No.	No. of Cyclone Shelter cum School	Shelter Connecting Road under the Package		Location of the Shelter		Design Works - Date of approval	EIA/IEE Study		Social and Resettlement Study		Tender Process						
		Access Road (Km)	Bridge/Culvert (Nos.)	Upazila	District		Date of approval by PMU	Date of concurrence by WB	Date of approval by PMU	Date of concurrence by WB	Tender notice - date	Tender received - date	Tender approval - date	Letter of Award - date	Contract signed - date	Contract ID	
1	8	2.14	-	Feni Sadar & Fulgazi	Feni	13-Jan-16	16-Sep-16	25-Sep-16	29-Apr-16	06-May-16	18-Apr-16	05-May-16	30-May-16	31-May-16	26-Jun-16	LGED/MDSP/FENI/2015-16/NCB/NW-01	NCB Contract
Feni - 01(4 nos.) & Feni 01A (4 nos.)																	
Feni - 02	6	2.64	4	Chegalnalya, Daganbhuiyan, Paahuram & Sonagazi	Feni	02-Aug-16	16-Sep-16	25-Sep-16	29-Apr-16	06-May-16	18-Apr-16	05-May-16	29-May-16	31-May-16	26-Jun-16	LGED/MDSP/FENI/2015-16/NCB/NW-02	NCB Contract
Feni - 03	6	1.28	1	Sonagazi	Feni	02-Nov-16	16-Sep-16	25-Sep-16	29-Apr-16	06-May-16	24-Feb-16	28-Mar-16	10-Apr-16	11-Apr-16	19-Apr-16	LGED/MDSP/FENI/2015-16/NCB/NW-03	NCB Contract
Barisal	58	42.09	53	Babugonj, Bakergonj, Baranigara, Gourmadi, Hizla, Mehendigonj, Muladi & Barisal Sadar	Barisal	14-Mar-16	18-Sep-16	25-Sep-16	11-Oct-16	19-Nov-16	21-Mar-16	12-May-16	24-Aug-16	26-Sep-16	10-Oct-16	LGED/MDSP-II-7-LPI-O-NW-01	ICB Contract
Bhola-01	42	11.3	22	Bhola Sadar, Borhanuddin, Char Fasson, Daulatkhan, Lalmohon, Monpura & Tajumuddin	Bhola	04-Jun-16	18-Sep-16	25-Sep-16	30-Jun-16	07-Jul-16	17-Apr-16	13-Jun-16	26-Oct-16	27-Dec-16	24-Jan-17	LGED/MDSP-II-7-LPI-O-NW-02	ICB Contract
Cox's Bazar	62	21.33	3	Chekeria, Cox's Bazar Sadar, Kutubdia, Moakhal, Pekua, Ramu, Teknaf & Ukhia	Cox's Bazar	07-Jun-17	28-Jun-17	06-Jul-17	11-Nov-17	19-Nov-17	28-Feb-17	03-May-17	23-Aug-17	17-Sep-17	08-Oct-17	LGED/MDSP/COX/14-15/NW-04	ICB Contract
Lakshmipur	34	18.88	45	Kamalnagar, Lakshmipur Sadar, Ramgonj, Rangati & Roypur	Lakshmipur	07-Apr-17	27-Jun-17	04-Jul-17	11-Nov-17	19-Nov-17	28-Feb-17	03-May-17	23-Aug-17	17-Sep-17	28-Sep-17	LGED/MDSP/LAK/14-15/NW-06	ICB Contract
Noakhali	35	13.44	34	Begumgonj, Chatkhil, Companigonj, Hatya, Kabinat, Noakhali Sadar, Senbag, Sonaimuri & Suborno Char	Noakhali	07-Apr-17	27-Jun-17	04-Jul-17	11-Nov-17	19-Nov-17	28-Feb-17	03-May-17	23-Aug-17	17-Sep-17	09-Oct-17	LGED/MDSP/NOA/14-15/NW-09	ICB Contract
Chattagram Steel NW-03 A	25	0.00	0.00	Anwara, Barakhal, Boalkhal, Patiya & Sandwip	Chattagram	07-Feb-19	22-Dec-20	30-Dec-20	07-Apr-19	07-Apr-19	-	-	-	02-Apr-20	09-Mar-20	LGED/MDSP/CHI/14-15/NW-03 A	ICB Contract
Chattagram Steel NW-03 B	25	0.00	0.00	Chandansalah, Fatikchhari, Hathazari, Kamafuli, Lohagara, Mirsharai, Rangunia, Raozan & Satkania	Chattagram	07-Feb-19	22-Dec-20	30-Dec-20	07-Apr-19	07-Apr-19	-	-	-	02-Apr-20	09-Mar-20	LGED/MDSP/CHI/14-15/NW-03 B	ICB Contract
Chattagram RCC	73	7.08	6.00	Anwara, Barakhal, Boalkhal, Chandansalah, Lohagara, Patiya, Satkania, Fatikchhari, Hathazari, Mirsharai, Rangunia, Raozan, Sandwip & Sitakundu	Chattagram	27-Jun-18	14-May-18	30-May-18	14-May-18	30-May-18	-	-	-	16-Feb-20	09-Mar-20	LGED/MDSP/CHI/14-15/NW-10	ICB Contract
Patuakhali	36	32.24	23.00	Bauphal, Daemina, Dumki, Galachipa, Kalapara, Mirjagonj & Patuakhali Sadar	Patuakhali	27-Jun-18	14-May-18	30-May-18	14-May-18	30-May-18	-	-	-	02-Apr-20	09-Mar-20	LGED/MDSP/PATU/14-15/NW-05	ICB Contract
Pirozpur	50	10.52	45.00	Bhandaria, Kawkhali, Matbaria, Nazipur, Neerabad, Pirozpur Sadar & Indurkani	Pirozpur	27-Jun-18	14-May-18	30-May-18	14-May-18	30-May-18	-	-	-	23-Feb-20	03-Feb-21	LGED/MDSP/PIR/14-15/NW-07	ICB Contract
Bhola-2	97	18.27	11.00	Bhola Sadar, Borhanuddin, Char Fasson, Daulatkhan, Lalmohon, Monpura & Tajumuddin	Bhola	27-Jun-18	14-May-18	30-May-18	14-May-18	30-May-18	-	-	-	16-Feb-20	08-Mar-20	LGED/MDSP/BHO/14-15/NW-11	ICB Contract

### Annex 3C: Process Monitoring Package wise improvement of Existing Shelters

Date: 30-09-2022

Package wise Shelter Information				Preparatory works up to design approval					Tender notice up to signing of contract						Remarks (any relevant information not yet included e.g. causes of delays)
Package wise Shelter Information	No. of Cyclone Shelter cum School	Location of the Shelter		Design Works - Date of approval	EIA/ IEE Study		Social and Resettlement Study		Tender Process						
		Upazila	District		Date of approval by PMU	Date of concurrence by WB	Date of approval by PMU	Date of concurrence by WB	Tender notice - date	Tender received - date	Tender approval - date	Letter of Award - date	Contract signed - date	Contract ID	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Chittagong (Rehab)	130	Anowara, Banskhali, Boalkhali, Chandanaish, Fatikchhari, Hathazari, Lohagara, Mirsharai, Patiya, Rangunia, Sandwip, Satkania & Sitakundu	Chittagong	2-Jan-2017	25-Dec-2016	2-Jan-2017	25-Dec-2016	2-Jan-2017	24-Jan-2017	26-Feb-2017	14-May-2017	24-May-2017	19-Jun-2017	LGED/MDSP/CHI/W-01	NCB Contract
Feni (Rehab)	20	Chhagalnaiya, Dagonbhuiyan, Feni Sadar, Porshuram, Fulgazi & Sonagazi	Feni	13-Jul-2017	5-Jul-2017	13-Jul-2017	5-Jul-2017	13-Jul-2017	13-Aug-2017	13-Sep-2017	12-Oct-2017	22-Oct-2017	26-Oct-2017	LGED/MDSP/FENI/2015-2016/W-03	NCB Contract
Lakshmipur (Rehab)	30	Lakshmipur Sadar, Komolnagar, Ramgoti & Raipur	Lakshmipur	2-Feb-2018	2-Feb-2018	14-Feb-2018	2-Feb-2018	14-Feb-2018	1-Mar-2018	9-Apr-2018	30-Apr-2018	9-May-2018	30-May-2018	LGED/MDSP/LAK/2016-2017/W-04	NCB Contract
Noakhali (Rehab)	90	Companigonj, Chatkhil, Kabirhat, Subarnachar, Noakhali Sadar, Begumganj & Hatiya	Noakhali	18-May-2018	18-May-2018	30-May-2018	18-May-2018	30-May-2018	20-Jun-2018	8-Jul-2018	15-Aug-2018	3-Sep-2018	16-Sep-2018	LGED/MDSP/NOA/2016-2017/W-05	NCB Contract
Bhola (Rehab)	60	Bhola Sadar, Borhanuddin, Char Fassion, Daulatkhan, Lalmohon, Monpura & Tajumuddin	Bhola	19-Aug-2018	19-Aug-2018	20-Aug-2018	19-Aug-2018	20-Aug-2018	29-Aug-2018	23-Oct-2016	6-Jan-2019	6-Jan-2019	10-Jan-2019	LGED/MDSP/BHO/2016-2017/W-06	NCB Contract
Cox's Bazar (Rehab)	120	Chakaria, Cox's Bazar Sadar, Kutubdia, Moheskhali, Pekua, Ramu, Teknaf & Ukhia	Cox's Bazar	20-Aug-2018	20-Aug-2018	30-Aug-2018	20-Aug-2018	30-Aug-2018	15-Sep-2018	5-Nov-2018	3-Jan-2019	3-Jan-2019	21-Jan-2019	LGED/MDSP/COX/2016-2017/W-02	NCB Contract

**Annex 3D: District wise progress of New Shelters under Options 1, 3 & 5**

Progress Status/ As on 30 September 2022		New Shelters Packages/ District											Remarks
		Feni	Barisal	Bhola-01	Bhola-02	Noakhali	Lakshmipur	Cox's Bazar	Chattogram Steel (2 pkgs.)	Chattogram RCC	Patuakhali	Pirojpur	
<b>Option-1</b>	Completed	8	18	14	-	27	-	29	-	-	-	-	<b>Total: 378</b>
	Ongoing	4	19	-	70	1	15	7	50	49	26	41	
	Sub-Total	12	37	14	70	28	15	36	50	49	26	41	
<b>Option-3</b>	Completed	2	2	18	-	-	-	-	-	-	-	-	<b>Total: 31</b>
	Ongoing	2	7	-	-	-	-	-	-	-	-	-	
	Sub-Total	4	9	18	-	-	-	-	-	-	-	-	
<b>Option-5</b>	Completed	2	5	10	-	7	-	22	-	-	-	-	<b>Total: 146</b>
	Ongoing	2	6	-	27	-	19	3	-	24	10	9	
	Sub-Total	4	11	10	27	7	19	25	-	24	10	9	
<b>Total:</b>		<b>20</b>	<b>57</b>	<b>42</b>	<b>97</b>	<b>35</b>	<b>34</b>	<b>61</b>	<b>50</b>	<b>73</b>	<b>36</b>	<b>50</b>	<b>G. Total: 555</b>
													<b>Total Complete: 164</b>



### Annex 3E: Progress Monitoring - Package wise Construction of New Cyclone Shelters including Shelter Connecting Roads

Date: 30-09-2022

Package No.	No. of Cyclone Shelter cum School	Shelter Connecting Road under the Package		Location of the Shelter		Estimated Cost (Tk in lakh)	Contract Cost (in BDT crore)	Date of Contract sign/ commencement of work	Target date of completion	Physical Progress (%)			Financial Progress (%)			Remarks
		Access Road (Km)	Bridge/Culvert (Nos.)	Upazila	District					Cumulative as of 31 August 2022	This month	Total	Cumulative as of 31 August 2022	This month	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Feni - 01	4	2.14	3	Feni Sadar & Fulgazi	Feni	2633.05	29.10	26-Jun-16	31-Dec-21	100.00	0.00	100.00	100.00	0.00	100.00	Contract implementation period has been extended in several times by 48 months i.e., up to 31 December 2021.
Feni - 01A	4	-	-	Feni Sadar & Fulgazi	Feni	-	-	19-Jun-21	18-Dec-22	42.00	3.50	45.50	34.22	13.21	47.43	Contract implementation period has been considered 18 months i.e., up to 18 December 2022.
Feni - 02	6	2.64	3	Chagalnaiya, Daganbhuiyan, Pashuram & Sonagazi	Feni	2382.74	26.10	26-Jun-16	30-Jun-22	90.50	0.00	90.50	74.45	0.00	74.45	Contract implementation period has been extended in several times by 54 months i.e., up to 30 June 2022.
Feni - 03	6	1.28	3	Sonagazi	Feni	2360.47	25.90	19-May-16	30-Sep-18	100.00	0.00	100.00	99.98	0.00	99.98	Contract implementation period was extended by 11 months.
Barisal	57	42.09	36	Babugonj, Bakergonj, Banaripara, Gournadi, Hizla, Mehendigonj, Muladi & Barisal Sadar	Barisal	29381.28	345.00	12-Nov-16	30-Nov-22	90.00	0.00	90.00	72.90	0.00	72.90	Contract implementation period has been extended several times by 47.5 months i.e., up to 30 November 2022
Bhola-01	42	11.3	15	Bhola Sadar, Borhanuddin, Char Fasson, Daulatkhan, Lalmojon, Monpura & Tajumuddin	Bhola	19199.07	224.40	8-Mar-17	7-Mar-20	100.00	0.00	100.00	100.00	0.00	100.00	Contract implementation period has been extended by 12 months i.e., up to 07 March 2020.
Cox's Bazar	61	21.33	26	Chakaria, Cox's Bazar Sadar, Kutubdia, Mohekhali, Pekua, Ramu, Teknaf & Ukhiya	Cox's Bazar	25873.11	309.50	12-Nov-17	31-Aug-22	93.00	0.50	93.50	82.53	0.00	82.53	Contract implementation period has been extended by 33.6 months up to 31 August 2022.
Lakshmipur	34	18.88	20	Kamalnagar, Lakshmipur Sadar, Ramgonj, Rangati & Roypur	Lakshmipur	15989.96	188.40	12-Nov-17	31-Dec-22	54.50	1.00	55.50	45.42	0.00	45.42	Contract implementation period has been extended by 37.6 months up to 31 December 2022.
Noakhali	35	13.44	18	Begumgonj, Chatkhil, Companigonj, Hatiya, Kabirhat, Noakhali Sadar, Senbag, Sonaimuri & Suborno Char	Noakhali	16002.54	188.40	12-Nov-17	30-Sep-22	99.00	0.00	99.00	89.68	0.00	89.68	Contract implementation period has been extended by 34.6 months up to 30 September 2022.
Chattagram Steel NW-03 A	25	0.00	0.00	Anwara, Banskhali, Boalkhali, Patiya & Sandwip	Chattagram	-	13.25	29-Mar-20	31-Dec-22	24.75	0.75	25.50	15.89	0.00	15.89	Contract implementation period has been extended by 17 months up to 31 December 2022.
Chattagram Steel NW-03 B	25	0.00	0.00	Chandanaish, Fatikchhari, Hathazari, Karnafuli, Lohagara, Mirsharai, Rangunia, Raozan & Satkania	Chattagram	-	13.67	29-Mar-20	31-Dec-22	26.00	1.00	27.00	19.28	0.00	19.28	Contract implementation period has been extended by 17 months up to 31 December 2022.
Chattagram RCC	73	7.08	11.00	Anwara, Banskhali, Boalkhali, Chandanaish, Lohagara, Patiya, Satkania, Fatikchhari, Hathazari, Mirsharai, Rangunia, Raozan, Sandwip & Sitakundu	Chattagram	-	49.79	16-Jun-20	31-May-23	20.15	2.35	22.50	13.31	0.00	13.31	Contract implementation period has been extended by 11.5 months up to 31 May 2023.
Patuakhali	36	31.33	20.00	Bauphal, Dasmina, Dumki, Galachipa, Kalapara, Mirjagonj & Patuakhali Sadar	Patuakhali	-	30.69	16-Jun-20	31-Dec-22	66.29	3.96	70.25	69.71	0.00	69.71	Contract implementation period has been extended by 6.5 months up to 31 December 2022.
Pirozpur	50	10.52	17.00	Bhandana, Kawkhali, Mathbaria, Nazirpur, Nesarabad, Pirozpur Sadar & Indurkani	Pirozpur	-	40.80	15-Mar-21	14-Mar-23	25.80	2.20	28.00	22.95	0.00	22.95	
Bhola-2	97	18.27	25.00	Bhola Sadar, Borhanuddin, Char Fasson, Daulatkhan, Lalmojon, Monpura & Tajumuddin	Bhola	-	67.66	29-Mar-20	29-Mar-23	74.50	1.00	75.50	72.51	0.00	72.51	Contract implementation period has been extended by 12 months up to 29 March 2023.

### Annex 3F: Progress Monitoring - Package Wise Improvements to Existing Shelters

Date: 30-09-2022

Package No.	No. of Cyclone Shelter cum School	Location of the Shelter		Contract Cost (Tk in lakh)	Date of Contract sign/ commencement of work	Target date of completion	Physical Progress (%)			Financial Progress (%)			Remarks
		Upazila	District				Cumulative as of 28 February 2022	This month	Total	Cumulative as of 28 February 2022	This month	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Chittagong (Rehab.)	130	Anowara, Banshkhal, Boalkhali, Chandanaish, Fatikchhari, Hathazari, Lohagara, Mirsharai, Patiya, Rangunia, Sandwip, Satkania & Sitakundu	Chittagong	1733.70	19-06-17	*30-12-2020	69.5	0	69.50	38.74	0.00	38.74	* Revised Target date of completion
Feni (Rehab.)	20	Chhagalnaiya, Dagonbhuiyan, Feni Sadar, Porshuram, Fulgazi & Sonagazi	Feni	554.00	26-10-17	*30-06-2020	100	0	100	93.02	0.00	93.02	* Revised Target date of completion
Lakshmipur (Rehab.)	30	Lakshmipur Sadar, Komolnagar, Ramgoti & Raipur	Lakshmipur	732.39	30-05-18	*30-11-2020	100	0	100	96.58	0.00	96.58	* Revised Target date of completion
Noakhali (Rehab.)	88	Companigonj, Chatkhil, Kabirhat, Subarnachar, Noakhali Sadar, Begumganj & Hatiya	Noakhali	2710.12	27-09-18	*22-08-2020	100	0	100	92.06	0.00	92.06	* Revised Target date of completion
Bhola (Rehab.)	59	Bhola Sadar, Borhanuddin, Char Fassion, Daulatkhan, Lalmohon, Monpura & Tajumuddin	Bhola	141.86	10-01-19	06-07-20	100	0	100	96.11	0.00	96.11	
Cox's Bazar (Rehab.)	120	Chakaria, Cox's Bazar Sadar, Kutubdia, Moheskhali, Pekua, Ramu, Teknaf & Ukha	Cox's Bazar	1889.92	28-01-19	*31-03-2021	100	0	100	78.48	0.00	78.48	* Revised Target date of completion

Risk Indicators	Rating	Risk Management Measures	Responsibility	Stage	Frequency	Compliance Status
<p><b>A. Project Stakeholder Risks</b></p> <p>Risk Description</p> <p>Project stakeholders are expected to be broadly supportive of the project.</p> <p>The Bank has been engaged in disaster risk reduction efforts in shelter construction and rehabilitation. Project financing will expand the investments to improve the equitable distribution of shelters.</p>	<p>Moderate</p>	<p>Continued dialogue with relevant stakeholders, including Government agencies, donors, CSOs, private sector and local communities through Communications, Consultation, and frequent follow up</p>	<p>LGED and WB</p>	<p>Planning &amp; Implementation</p>	<p>Continuous</p>	<p>Public consultation meetings are held by LGED and D&amp;S Consultant with local individuals, elites, teachers, Chairmen and members of UP and SMCs during conducting Environmental and Social Assessment studies of different shelters and shelter connecting roads. The participants are informed about the main project interventions with specific benefits thereof. The issues and recommendations that come out of the stakeholder consultation meetings are highlighted in the respective SA and EA reports. The recommendations are given due importance in the planning and design of the project infrastructures.</p>

<b>B. Implementing Agency Risks (including fiduciary risks)</b>	Substantial					
<p>Risk description:</p> <p><b>(i) Capacity</b></p> <p>LGED has been engaged in the construction and rehabilitation of cyclone shelters under an existing IDA credit. Governance risks, particularly with respect to contract management and procurement are present. Challenges to adequate maintenance continue to prevail.</p>		<p>(i) Project Implementation will be supported by a dedicated Project Management Unit that will receive technical assistance and adequate budget to implement the project. Risks to maintenance will be carefully assessed.</p>	LGED	Implementation	Quarterly	<p>a) A full time dedicated PMU headed by the PD has been established within LGED.</p> <p>b) The PMU receives technical assistance through engaging an experienced team of D&amp;S Consultants. An independent M&amp;E Consultant team also supports PMU on overall project oversight, monitoring and evaluation including following up of compliance status of EMP, SMP, ORAF, GAAP etc.</p> <p>c) Adequate budget for timely implementation of the project is provided by GoB.</p> <p>d) Challenges to meet adequate budget for post construction maintenance is a major factor. Some sort of mechanism should be developed to make provision of funds for routine maintenance.</p>
<p><b>(ii) Financial Management:</b></p> <p>LGED has relatively good capacity in financial management. Skilled FM staff will be made available to the project under a dedicated Project Management Unit (PMU) within each agency, currently there are no overdue audits under any</p>		<p>(ii) A Senior Financial Management Specialist will be recruited within the PMU to oversee FM issues.</p>	LGED	Implementation	Quarterly	<p>A Senior Financial Management Specialist will be hired under EMCRP project who will also look over MDSP</p>

other IDA Credits implemented by LGED, and FM arrangement have been satisfactory.						
<p>(iii) <b>Procurement:</b></p> <p>The procurement of works is likely to pose risks with respect to hiding, evaluation of bids and contract management.</p>		(iii) Procurement risks will be mitigated through the use of large contract package (ICB) managed from Dhaka, as well as by review and award of the procurement package by a procurement panel.	LGED	Implementation	Continuous	<p>Procurement risks have mostly been mitigated through:</p> <p>a) Use of large contract packages (ICB) and;</p> <p>b) Technical and financial evaluation and award of contract packages by procurement panel.</p>
<b>C. Governance</b>	Substantial					
<p>Risk Description</p> <p>Some governance risks exist for the project, in</p> <p>(i) contract Management and</p> <p>(ii) Procurement, given the size and nature of the contracts for construction</p>		<p>a) The project will continue to be ring-fenced to ensure transparency in contracting through the use of a Procurement Panel, large ICB contracts, and through the use of a GAAP.</p> <p>b) The project will ring-fence procurement risks to the greatest extent possible, with a procurement panel, ICB to attract international bidders, and disclosure requirement in the bidding process. Construction quality will be monitored by an independent supervision consultant. In addition, active monitoring by the bank team with the Dhaka based staff and Consultants and frequent visits to the field would help in timely action in case of irregularity.</p>	LGED	Implementation	Continuous	<p>a) Transparency in procurement is ensured through i) making large ICB contract packages, ii) following appropriate bidding and evaluation process involving independent procurement panel and iii) use of GAAP action plan.</p> <p>b) Construction quality is being supervised by the D&amp;S Consultant who also act as 'Engineer' as well;</p> <p>c) Independent M&amp;E Consultant carry out overall monitoring and evaluation of project implementation, make periodic field visit reports and make specific recommendations for improvement;</p> <p>d) WB team also make active monitoring of project activities which are reflected in the periodic Aide Memoirs.</p>

<b>D. Design</b>	Moderate					
<p>Risk description</p> <p>The technical designs of the cyclone shelter pose very low risks. The types of shelters have been developed and tested under previous investments.</p>		<p>The design will continue to seek feedback for improvements through engagement with local stakeholder groups to discuss any issues.</p>	LGED	Implementation	Continuous	<p>The design of project structures are based on the suggestions and recommendations as made by the stakeholders during conduct of the EA and SA study reports of intervention packages.</p>
<b>E. Social &amp; Environmental</b>	Moderate					
<p>Risk description</p> <p>The construction phase may cause unforeseen environmental of social impacts.</p>		<p>Site specific EMPs and SMPs will be prepared in line with the project's ESMF/TDF. Land acquisitions is not anticipated under the project, however an RPF will be prepared to guide any site specific TDPs or RAPS, should tribal population be found in the area or if land acquisition be unavoidable.</p>	LGED	Implementation	Quarterly	<p>Site specific EA and SA studies leading to the formulation of EMPs and SMPs are carried out by the D&amp;S Consultants. These are duly reviewed and cleared by the WB.</p> <p>Compliance of the EMPs and SMPs are ensured by the Contractors, supervised by the D&amp;S Consultant. Quarterly Environmental and Social Monitoring Reports are published by the D&amp;S Consultants.</p> <p>The M&amp;E Consultant regularly supervise and make appropriate recommendations for effective implementation of environmental and social safeguard issues.</p> <p>Adaptive management approach has been considered in consultation with WB in order to minimise the risks as well as improving the prevailing conditions.</p>

<b>F. Program &amp; Donor</b>	Low					
<p>Risk Description</p> <p>While several donors are active in disaster risk reduction efforts, the Bank has been the lead financier on the construction and rehabilitation of multipurpose cyclone shelters. Under previous IDA Credits, several donors provide co-financing to the continued construction of shelters.</p>		<p>Continued engagement with lead donors and international agencies working in the coastal areas.</p>	<p>LGED and WB</p>	<p>Planning and Implementation</p>	<p>Continuous</p>	<p>Being carried out by the Agencies.</p>
<b>G. Delivery Monitoring &amp; Sustainability</b>	Moderate					
<p>Risk Description</p> <p>The remote sites of many of the cyclone shelters, and the high numbers of shelters to be financed under the project will make it difficult to monitor construction quality in each site, thereby posting a risk to delivery monitoring and sustainability of the investments.</p>		<p>Switching to steel shelter construction would alleviate many of these issues, An ICT monitoring system will be developed to assist in a more efficient and accountable monitoring system within LGED.</p>	<p>LGED</p>	<p>Implementation</p>	<p>Continuous</p>	<p>a) D&amp;S Consultant have reviewed and recommended special steel shelter designs in the district of Chattogram on a pilot basis.</p> <p>Award of 2 nos. steel shelter contract packages @ 25 nos. each have been issued on 09 March 2020. The physical works are in progress.</p> <p>b) An ICT monitoring system has been developed by the D&amp;S Consultant which is being effectively used.</p> <p>c) Mid-term evaluation exercise through field survey has been conducted by the M&amp;E Consultant team. The mid-term evaluation report with specific observations, recommendations and conclusion has been published.</p>

Issues/Risks/ Objective	Actions	Agency responsible	Timeline	Early Warning Indicators to Trigger Additional Action	Compliance Status
<b>Governance Risks</b>					
<p>Need to ring-fence the project from the broader governance and accountability concerns in Bangladesh</p>	<p>a) Retain independent consultants for design, construction supervision (D&amp;S) who act as "Engineer" for the project</p> <p>b) Procurement panel established to undertake all technical reviews and awards</p> <p>c) Frequent supervision by World Bank supervision teams, including frequent site visits by M&amp;E Consultant</p>	<p>LGED</p> <p>LGED</p> <p>Task team/WB</p>	<p>Key staff recruited prior to start</p> <p>Ongoing</p> <p>Ongoing At least quarterly</p>	<p>Delays in conduct of procurement, execution of contracts, processing of payments, filing reports</p> <p>Evidence of quality issues through field visits.</p>	<p>a) Complied</p> <p>b) Procurement Panel established on December 13, 2015.</p> <p>c) Frequent site visits were being undertaken by WB task team, D&amp;S Consultant and the M&amp;E Consultant. Due to repeated outbreak of <b>Covid-19</b>, there was temporary interruption in undertaking field visits. However, periodical field visits have since been resumed and FVRs are being shared with all concerned.</p>



Potential for or reduce risks of conflict of interest among participants in procurement	<p>a) International Competitive Bidding (ICB) contracts for all procurement of works</p> <p>b) Declarations of no conflict of interest by LGED personnel, including members of procurement panel members, and bidders</p>	LGED	Bidding documents prior to project approval	Procurement red flags in ex ante and ex post review	a) ICB contracts have adopted for all civil work procurements except three initial NCB contracts in Feni district.
		LGED	LGED personnel ' by effectiveness; bidders at submission	Inconsistencies with 'need to know' principles in procurement mapping, evidence of unauthorized access to information	b) Complied.
	c) Require bidders' statements concerning agents and other possible connections to persons involved with procurement.	LGED	At bidding stage	Delays in suo moto disclosure plan issuance/implementation	d) Bidders' statements are furnished for each individual package.
<b>Local Institutional Capacity Risks</b>					
Reduce risks at the local level with supervision of works and monitoring to address possible quality issues in construction	<p>a) Retain independent consultants for design, construction supervision (D&amp;S) who act as "Engineer" for the project</p> <p>b) Contract out M&amp;E functions through M&amp;E Consultant</p> <p>c) ICT based monitoring system for LGED field officers with geo-tagging and photo capabilities</p> <p>d) On site cameras to ensure live feed of construction sites (where possible)</p> <p>e) Local stakeholders need to be made aware of the objective and need of the shelters.</p>	LGED	Key staff recruited prior to start	Delays in conduct of procurement, execution of contracts, processing of payments, filing reports	a) Complied.
		LGED	Contracted in first year; quarterly reports	Changes in frequency of reports, frequency of edits to reporting system	b) Complied.
		LGED	Ongoing	Unauthorized entry into monitoring system	c) An ICT based monitoring system is already in place to track the progress on-site.
		LGED	Ongoing	Nature and frequency of complaints.	d) The system is in place. e) The local stakeholders are sensitized about the objective and need for the shelters and their oversight of the work, progress and apparent quality control.

**Delivery and Sustainability Risks**

<p>Poor construction quality leading to poor sustainability of the Project</p>	<p>a) Shift to steel shelter construction to improve quality oversight, durability, maintenance and speed of construction</p>	<p>CSC, LGED</p>	<p>Ongoing</p>	<p>Nature and frequency of complaints</p>	<p>a) Generally, concrete structures are built as shelter cum school. However, construction of Steel structure involve about 15% extra cost.</p> <p>Work orders for 50 nos. Steel shelters in two packages in the district of Chattogram have been issued and physical works are in progress.</p> <p>b) SMCs have been trained to oversee environment/ social safeguards issues and maintenance aspects.</p>
	<p>b) Engagement with SMCs to identify ongoing monitoring, maintenance etc.</p>	<p>CSC, LGED</p>	<p>Ongoing</p>		