



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



**Consultancy Services for Detailed Design, Construction  
Supervision and Project Management Support**

**Progress Report No. 74  
Month of June, 2021**

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## Abbreviations and Acronyms

ARIPO	Acquisition and Requisition of Immovable Property Ordinance
BADC	Bangladesh Agriculture Development Corporation
BARI	Bangladesh Agriculture Research Institute
BBS	Bangladesh Bureau of Statistics
BIWTA	Bangladesh Inland Water Transport Authority
BoQ	Bill of Quantities
BRRRI	Bangladesh Rice Research Institute
BTM	Bangladesh Transverse Mercator
BWDB	Bangladesh Water Development Board
BM	Bench Mark
CC	Climate Change or Cement Concrete (no re-bar, e.g. CC blocks)
CCL	Cash Compensation under Law
CDP	Coastal Development Policy
CDMP	Comprehensive Disaster Management Program
CDS	Coastal Development Strategy
CDSP	Char Development and Settlement Project
CEGIS	Centre for Environmental and Geographic Information Services
CEIP-1	Coastal Embankment Improvement Project – Phase 1
CEP	Coastal Embankment Project
CERP	Coastal Embankment Rehabilitation Project
CES	Coastal Embankment System
CPP-I	Cyclone Protection Project - I
CPP-II	Cyclone Protection Project - II
CZE	Coastal Zone Embankment
CZPo	Coastal Zone Policy
CZWMP	Coastal Zone Water Management Program
CSPS	Cyclone Shelter Preparatory Study
DAE	Department of Agriculture <i>Extension</i>
DC	Deputy Commissioner
DDCS&PMS	Detailed Design Construction Supervision and Project Management Support (RHDHV)
DEM	Digital Elevation Model
DevCon	DevConsultants Ltd. Bangladesh Consultants
DHI	Danish Hydraulic Institute, Denmark
DLR	Director Land Records
DoE	Department of Environment
DoF	Department of Fisheries
DPM	Design Planning & Management Consultants
EAP	Environmental Action Plan
ECRRP	Emergency Cyclone Recovery and Restoration Project
EDP	Estuary Development Program
EHS	Environmental Health and Safety
EIA	Environmental Impact Assessment
EMA	External Monitoring Agency
EMP	Environmental Management Plan



EPG	Embankment Protection Group
EPs	Entitled Persons
ES	Embankment Settlers
FAP-7	Flood Action Plan -7
FCDI	Flood Control Drainage & Irrigation
FGD	Focus Group Discussion
FFG	Foreshore Forestry Group
GoB	Government of Bangladesh
GPP	Guidelines for People's Participation
GPS	Global Positioning System
GRM	Grievances Redress Mechanism
GRRP	Gorai River Restoration Project
IBRD	International Bank for Reconstruction & Development
ICB	International Competitive Bidding
ICZM	Integrated Coastal Zone Management
ICZMP	Integrated Coastal Zone Management Plan
ICZMP	Integrated Coastal Zone Management Program
IDA	International Development Agency
IESCs	Important Environmental and Social Components
IoL	Inventory of Losses
IPC	Interim Payment Certificate (invoice of Contractor)
IPSWAM	Integrated Planning for Sustainable Water Management
IWM	Institute of Water Modelling
IEE	Initial Environmental Examination
KJDRP	Khulna Jessore Drainage Rehabilitation Project
KAFCO	Karnaphuli Fertilizer Company Limited
LAP	Land Acquisition Plan
M&EC	Monitoring and Evaluation Consultants (Third Party Consultants)
MES	Meghna Estuary Studies
MOEF	<i>Ministry of Environment and Forest</i>
MOFDF	Ministry of Food and Disaster Management
MOWR	Ministry of Water Resources
MSL	Mean Sea Level (expressed in + or - mPWD)
NEPo	National Environmental Policy
NGO	Non-Government Organization
NWMP	National Water Management Plan
PAP	Project Affected People
PAVC	Property Assessment and Valuation Committee
PBM	Permanent Bench Mark
PDC	Polder Development Committee
PMU	Project Management Unit
PWD	Public Works Department (e.g. + 3 mPWD)
RHDHV	Royal HaskoningDHV and Partners (The Engineer, DDCS & PMS Consultants)
RAP	Resettlement Action Plan
RF	Result Framework
RoR	Record of Rights

SIA	Social Impact Assessment
SLR	Sea Level Rise
SMRPFW	Social Management and Resettlement Policy Framework
SRP	System Rehabilitation Project
SWZ	South Western Zone
SZ	Southern Zone
SoB	Survey of Bangladesh
TRM	Tidal River Management
TBM	Temporary Bench Mark
ToR	Terms of Reference
WARPO	Water Resources Planning Organization
WB	World Bank
WMA	Water Management Association
WMIP	Water Management Improvement Project
WSIP	Water Sector Improvement Project
WUA	Water Users Association

## 1. Executive Summary

### 1.1 General

This Monthly Progress Report (MPR) is over the month of **June 2021**. The Executive Summary Chapter will highlight the various developments and issues at stake in a qualitative manner whereas the remaining Chapters will provide more quantitative information and details on the activities and progress of the month of June 2021.

The Executive Summary will first focus on the implementation of the 2 (two) Construction Contracts for **Package W/01** and **Package W/02**. In this section, the Consultants activities are also addressed. Activities and issues of a more general nature will be addressed thereafter.

### 1.2 Implementation of Works under Package W/01 and Package W/02

In the current phases of the CEIP-1 Project, Consultant's focus is on the progress of the construction of Civil Works for Package W/01 and Package W/02. Other Consultant's tasks are summarised separately in this Chapter. Compared to previous months, poor progress is achieved during June, 2021 due to early start of rain. The progress was hampered in previous months due to insufficient Contractor's field staff which was caused by visa applications which became stricter as imposed by the Bangladesh Embassy in Beijing and as such hampered the travelling of Chinese Staff to Bangladesh. Also, the impact of the pandemic of Corona Virus was not positively contributing to the progress of the Works, rather the impact of the pandemic of Corona Virus has been aggravated from the last week of March 2021 together with associated lock-down for a longer time in Bangladesh.

#### 1.2.1 Package W/01 implementation

The key issues for the month of June, 2021 regarding Package-1 are summarised below as follows:

- The physical progress up to June 2021 is 95.69% against the revised target of 100%. The Revised Work Program was finalized based on the extension of time of the Contract up to 30<sup>th</sup> June, 2021 by the Employer. They started the works during this dry season from mid-December, 2020. The progress of the works in this month is achieved 3.78% and it is mainly due to calculate the progress based on the actual required quantity of CC Blocks in related BoQ items of works. The physical works could not be executed as per program in this month due to rain in most of the day and the progress is also hampered to a great extent due to the pandemic of Corona Virus. The overall progress up to June, 2021 is lagging by 4.31% in respect of the revised target. Delays are also caused by cash flow issues of the Contractor and unwillingness to increase staff and equipment.
- In addition to the aforementioned issues, the Contract was initially extended up to 30<sup>th</sup> June, 2020 but due to, amongst others, mismanagement of the Contractor and the pandemic of Corona Virus the Contractor could not complete all the works within the extended time. The Contractor submitted a Claim for Extension of Time with detailed report and supporting documents. After detailed assessment, the Employer approved the Extension of Time for execution of the works of this Contract up to 30<sup>th</sup> June, 2021 vide Memo No. CEIP-1/W-01/534 dated 30<sup>th</sup> June, 2020 with the condition that no claim will be acceptable due to this Extension of Time;
- The Contractor has completed 38 nos. Drainage Sluices and 29 nos. Flushing Sluices up to June, 2021 and has been working together with the Engineer on the handing over procedures. As per assessment of the Engineer, the Works of Polder 33 and 35/3 have been substantially completed and accordingly, Taking-Over Certificates for Polder 33 and 35/3 have been issued as per GCC Sub-Clause 10.1 (a) and 11.1.

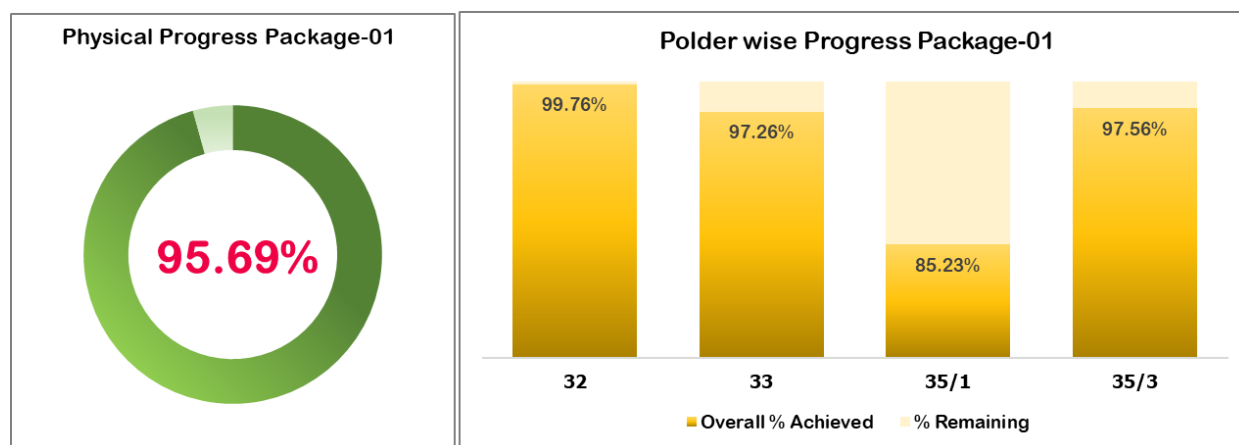


Figure 1-1: Polder Wise Progress of Package-1

- As per requirement of the World Bank Mission during 22<sup>nd</sup> February, 2021 to 8<sup>th</sup> March, 2021 on the environmental aspects of the CEIP-1 Project, the Contractor is undertaking various steps required for improving the EHS issues through the training and motivation of Environment Specialists of the Project in the light as desired by the World Bank's Environmental Specialist;
- In the Contract, there was a provision for repairing works of 30 nos. Flushing Sluices out of which 16 nos. have been dropped (for falling the structures outside the alignment of retired embankment or not repairable). Out of the remaining 14 nos. of repairing of Flushing Sluices 14 nos. have already been completed. There was a provision for repairing works of 2 nos. Drainage Sluices which were already been completed.
- The Engineer requested the Contractor to implement Additional Bank Protection works which are urgently needed to safeguard the embankments of Polder-32 against riverbank erosion. The Engineer has provided the terms and conditions as per Works Contract and accordingly, the Contractor has submitted a draft Variation Proposal including Bill of Quantities. Contractor and Engineer had various meetings and negotiated a cost estimate and submitted to PMU vide letter no. RDCOR\_BC5883-100\_L02825\_JHL\_AAM dated 15<sup>th</sup> December, 2020 soliciting the permission to finalise a draft Variation Order based on the negotiated cost for the interest of the Project. Employer reviewed the cost estimate and provided some observations and requested for further negotiation based on the observations. As per advice of the Employer the Engineer further negotiated with the Contractor as per observations of the Employer and negotiated a cost estimate and submitted to the PMU vide letter no. RDCOR\_BC5883-100\_L02901\_JHL\_MAR dated 20<sup>th</sup> January, 2021 soliciting the permission to prepare a draft Variation Order based on the negotiated cost for the interest of the Project. Due to delay in the latter process the Engineer proposed a phased implementation of these Works, considering first implementing "precautionary" Emergency works like dumping of geo-bags which will be thereafter integrated with the permanent Works consisting of 'amongst others, CC blocks dumping. According to this proposal the Project Director CEIP-1 accompanying Team Leader and Deputy Team Leader of DDCS & PMS Consultants, inspected the vulnerable locations of Polder 32 on 10<sup>th</sup> March, 2021 and after threadbare discussion in a meeting held on 10<sup>th</sup> March 2021 at Khulna, the Project Director, CEIP-1 gave the decision to take necessary measures to combat the ongoing erosion of the vulnerable locations immediately through Precautionary Emergency Works by dumping 250 kg Geo-bags as per design and drawings. It was also decided in the meeting that the existing working Contractor is to be engaged to execute this Precautionary Emergency Riverbank Protection Works. Accordingly, the existing working Contractor was instructed to do the bathymetric surveys of the identified vulnerable locations and provide the site plan & design data of each location. The Contractor has supplied the site plan and design data of all identified vulnerable

locations. The draft design and drawings have been prepared by the DDCS & PMS Consultants based on the supplied site plan and design data. The draft design and drawings with the detailed estimates have been submitted to the Project Director for further action from his kind end. Subsequently the Engineer has sent the draft design and drawings with the detailed estimates to the Contractor with request to take action based on the draft design and drawings to protect the breaching of the embankment and ultimately to save the properties and lives of the people living in the Polder. The Contractor has started the Precautionary Emergency Works based on the instruction of the Project Director, CEIP-1 and Engineer through several digital meeting though the approval of the designs and estimates are yet pending to the competent authority. The approval of the design and estimates are urgently required to issue the work orders to the Contractor. The progress of precautionary emergency works is very slow due to unwillingness of the Contractor undertaking these Works. As said, detailed designs are yet to be approved by the Competent Authorities. Later on, the Project Director informed vide memo no. CEIP-1/W-01/647 dated: 7<sup>th</sup> June 2021 in response to Engineer's reference no. RDCOR\_BC5883-100\_L02901 dated: 20<sup>th</sup> January 2021 that they don't agree to the proposition of the Engineer to provide new rates for the items that are included in the BoQ and suggested that the rates of those items should be valued pursuant to GCC Sub-Clause 12.3. The Project Director also advised to take up the matter again with the Contractor and finalize the issue following Contract Conditions. The Engineer has held several meetings and several correspondences with the Contractor to negotiate as per advice of the Project Director but the Contractor has informed vide their ref.no. CHWE/CEIP-1/EN/0486 dated: 28<sup>th</sup> June 2021 that they are not in a position to lower the cost than the already mutually agreed cost estimate on 20<sup>th</sup> January 2021. The latest updated information regarding Additional Bank Protection works of Polder-32 have been conveyed to the Project Director vide Engineer's reference no. RDCOR\_BC5883-100\_L003224 dated: 3<sup>rd</sup> July 2021.

- The Consultant will prepare a risk assessment of possible delays which could occur and would require a possible extension beyond June 2021. The latter have been assessed and found that it will not be possible to complete the works of Polders 32 and 35/1 within 30<sup>th</sup> June, 2021 the date of completion of Contract. However, the Contractor assessed their outstanding works and submit a Notice of Extension of Time for outstanding works vide their ref. no. CHWE/CEIP-1/EN/0472 dated: 2<sup>nd</sup> June 2021 and subsequently they submitted a Notice of Intention to Claim vide ref.no. CHWE/CEIP-1/EN/0484 dated: 15<sup>th</sup> June 2021. Later on, the Engineer recommended to the Employer vide Engineer's reference no. RDCOR\_BC5883-100\_L003207 dated: 29<sup>th</sup> June 2021 to consider the Notice of Extension of Time and to grant the Contractor a conditional Extension of Time for 9 months with zero cost implications. Based on the recommendation of the Engineer, the Employer requested the World Bank memo no. CEIP-1/W-01/869 dated: 29<sup>th</sup> June 2021 to review the issue of Extension of Time and provide concurrence to the conditional Extension of Time for 9 months with zero cost implications. The World Bank has given NoL to conditional time extension of works package W-01 (with zero cost implication) up to March 31,2022 (9 months) vide email dated: 6<sup>th</sup> July 2021. The Contractor is in the process of submitting a detailed claim for Extension of Time

### **1.2.2 Package W/02 implementation**

The key issues for the month of June, 2021 regarding Package-2 are summarised below as follows:

- The physical progress up to June, 2021 is 65.40% against the updated revised target of 73.94%. The Updated Revised Work Program has been finalized based on the assurance of the Competent Authority that the completion date of this Contract will be extended up to 30<sup>th</sup> June, 2022 and submitted to the PMU vide Engineer's letter no. RDCOR\_BC5883-

100\_L002900\_JHL\_MAR dated: 20<sup>th</sup> January, 2021. The overall progress is lagging by 8.53% compared to the updated revised target.

- Due to 'amongst others' land acquisition problems in some Polders and the pandemic of Corona Virus, it was not being possible by the Contractor to complete all the works of this Contract within the original Contract period. Based on this, the Contractor submitted a Claim for Extension of Time with a detailed report and supporting documents. It is noted that mismanagement on the chain of commands within the team of the Contractor also caused delays and hence land acquisition problems are not the only reason for the delays. The Claim for Extension of Time was evaluated by the Engineer and submitted the evaluation report to the PMU vide Engineer's letter no. RDCOR\_BC5883-100\_L002759\_JHL\_MAR dated: 25<sup>th</sup> October, 2020. The submitted evaluation report was reviewed by the PMU and provided some observations on the report. Accordingly, the report has been revised and submitted to the PMU vide Engineer's letter no. RDCOR\_BC5883-100\_L002844\_JHL\_MAR dated: 27<sup>th</sup> December, 2020. The Employer informed that the notice for formal Extension of Time could not be issued till the validity period of Performance Security is extended. Accordingly, the Contractor was requested to extend the validity period of Performance Security up to 28<sup>th</sup> July, 2023. The Contractor has extended the validity period of Performance Certificate up to 28<sup>th</sup> July, 2023 and submitted to the Engineer's office which has been submitted to the PMU vide Engineer's ref.no. RDCOR\_BC5883-100\_L003057 dated: 15<sup>th</sup> April, 2021. However, the Extension of Time (EoT) for Contract No. CEIP-1/W-02 has been approved by the competent authority up to June 30, 2022 which is informed by the Project Director vide memo no. CEIP-1/W-02/695 dated: 14<sup>th</sup> June, 2021.
- As per requirement of the World Bank Mission of 22<sup>nd</sup> February, 2021 to 8<sup>th</sup> March, 2021 on the environmental aspects of the CEIP-1 Project, the Contractor is undertaking various steps required for improving the EHS issues through the training and motivation of Environment Specialists of the Project in the light as desired by the World Bank's Environmental Specialist;

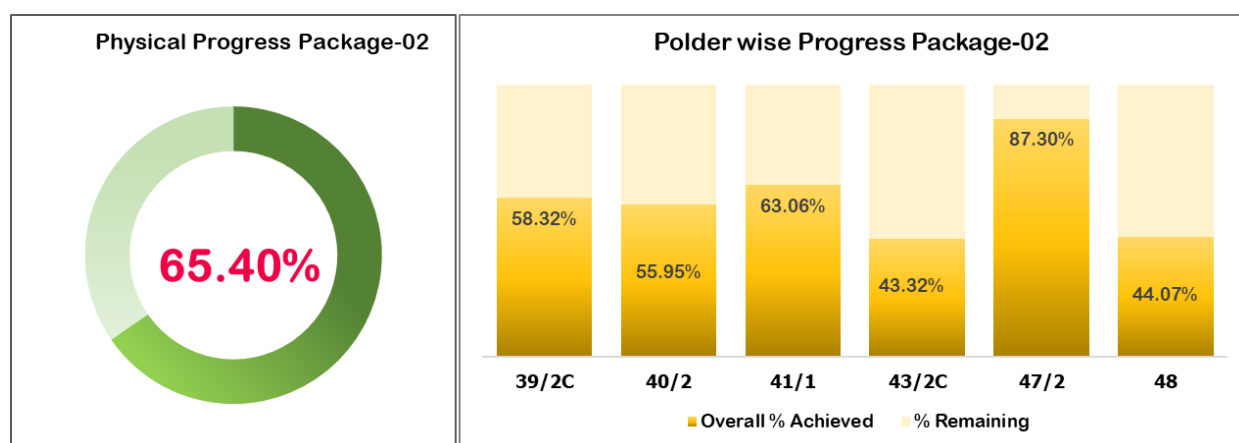


Figure 1-2: Polder wise Progress of Package-2

- The month was not at all favourable for construction works. Though most of the proposed Chinese Staffs of the Contractor has returned back to Bangladesh by this time but they could not yet achieve the targeted progress of works as per the latest revised Work Program due to their poor planning and management and cash flow problem and on the other hand due to the pandemic of Corona Virus the progress of works is affecting. The Engineer and the Employer are providing all types of possible supports so that they can pick up the works up to the satisfactory scale. At the same time, the Engineer is advising the Contractor to revise the plan of activities so that they can cope up the lagging target of the progress and engage

Bangladeshi Staffs where possible to cope up with the absence of Chinese Staff. The Contractor has submitted a revised work plan which is under review by the Consultants;

- The Consultant prepared a risk assessment of possible delays which could occur and would require a possible extension beyond June 2022. The latter will be further assessed when actual progress made in the month of December, 2021 is available.

### 1.3 Other tasks of Consultants

The key issues for the month of June, 2021 regarding the other tasks of Consultants are summarised below:

1. As per latest development, the review of the Polder 14/1 has been carried out as per World Bank comments and has been submitted to PMU. Similarly, the EIA reports of the remaining 6 (six) Polders (Polder-15,16,17/1,17/2,23 and 34/3) have already been reviewed in accordance with the EIA reports of Polder-14/1 incorporating the comments of the World Bank and submitted to the PMU for onward transmission to the World Bank;
2. Activities also involved the development of a Web based system for tracking of land acquisition, GRM and various video call meetings were conducted to this end with World Bank and the Project Director; this task is nearly completed and awaiting the finalisation of the user acceptance test (UAT). To speed up this process, a dedicated server can be purchased or alternatively a cloud-based server can be utilised.
3. Consultants, in consultation with the Project Director have prepared a draft Addendum of Contract for the Consultancy Services. The latter allows for an extension until June, 2022 and provides additional consultancy services to cope up with the extension of Works Contracts for Packages 1 and 2. The Addendum of Contract will increase the cost of original Consultancy Agreement: the latter has also been included in the said RDPP which has been recently approved. It also provides budget to develop and implement a pilot for an ICT (Information and Communications Technology) remote monitoring system. The approval of the Amended Contract is now in process. The Employer has approved the Extension of Time (EOT) for the Consultancy Services for **"Detail Design, Construction Supervision and Project Management Support"** Contract No. CEIP-1/B2, B3 & C1/S-2 up to June 30, 2022 with the condition that no claim will be acceptable due to this Extension of Time which is communicated to the Team Leader of the Consultants by the Project Director vide Memo No. CEIP-1/S-21/130 dated: 28 January, 2021. It is noted that Addendum of Contract should be approved and signed soon because Consultants are now already pre-financing, a significant amount of money for continuation of the Services since January,2021.
4. The Consultants supported the PMU with various reports and recommendations and attended various video call meetings with World Bank and other stakeholders as and whenever required.

### 1.4 Key challenges and risks and recommendations

#### 1.4.1 Key challenges and risks

The key challenges and risks are listed below:

1. The weather conditions of June, 2021 were not favourable for construction of Civil Works including the works of embankment re-sectioning but due to the poor planning and management constrains and cash flow problem the Contractors have failed to achieve the targeted progress of revised Work Program;
2. Risks related to the site situations with respect to availability of lands in some cases has improved in some cases.; all stakeholders, including the Client, Client's Local Offices, DC's,

Contractor and Consultants, are applying their utmost efforts to organise this in a practical and pragmatic manner. It is Consultant's view that the progress is possible to be made only by the joint efforts of BWDB & Consultants in the interest of the CEIP-1 Project. This is an area which requires continued highest attention of all concerned.

3. The global Corona virus is hampering and limiting and, in some cases, stopped the movement of Staff of both the Contractors of Package-W/01 and W/02 and the Consultants. Consultants are following the international developments closely and adhering to travel guidance of e.g., World Health Organisation and Bangladesh Authorities. Restrictions have been imposed on travellers from outside Bangladesh and as a result this has impact on the progress of the Works. Also, the lock-down and cancelation of international flights is not improving the situation;
4. Although a draft Amended Contract for DDCS&PMS Consultants Services was already prepared in 2020, it has yet to be approved by the Competent Authorities and signed. As a result, Consultants do not have an updated Contract in place to continue their services;
5. The Additional Bank Protection Works should commence soon and to this end Consultants are discussing the way forward with the Project Director. .

### **1.4.2 Recommendations**

The following recommendations are being furnished:

- When there would be a land availability issue, joint efforts of Contractors, Engineer and Employer should be enhanced to solve the issues at stake. It is highly appreciated that the Employer plays a vital role here and increased efforts should continue; rooms for improvement are less reporting and more resolving on the spot.
- In view of the delays, Engineer will continue pushing the Contractors and making them aware of their contractual obligations;
- Engineer has started to intensify the frequency of progress review meetings with the Contractors after the availability of the Polder Managers in place from the month of March, 2021. The Project Director is also participating in these meetings. The PMU has also started 2-weekly progress review meeting which is being very effective to monitor the progress of works.

### **1.5 Contractual Tasks of DDCS & PMS Consultants**

The specific objectives of the CEIP-1 Consultancy Services are described by the following tasks:

- Task A : Review and update the designs bidding documents and related environmental and social plans (EIAs, EMPs, and RAPs) already prepared;
- Task B : Prepare detailed designs for all remaining polders and works that would be included in the project, including the Engineering and Environment and Social studies (i.e. preparation of EIA, EMP and RAP for each remaining polders);
- Task C : Supervise construction of all works under the Project, and do the contract management as "The Engineer", according to FIDIC rules and regulations and the World Bank Guidelines and its standard bidding documents;
- Task D : Provide overall project management support to the BWDB and Project Management Unit (PMU).

The Construction Works will be executed by BWDB as Employer and the Consultant will function as the Engineer of the Civil Works contracts as per FIDIC. The Consultant will administer the Civil Works contracts and ensure that the project works are implemented in accordance with the provision of the Contracts. The Consultant nominated Engineer's representative for 4 and 6 Polders in Package-1 & 2 respectively under each respective Works Contract.



## 2. Summary of Key Achievements during the reporting month

### 2.1 Package-1

No.	Item	Key Achievements during the month – Package-1
1	Works	<ul style="list-style-type: none"> <li>➤ Construction / Re-Sectioning of Embankment: 0.650 Km (Full) &amp; 0.955 Km (Part);</li> <li>➤ Excavation / Re-Excavation of Drainage Channel: 0.00 Km;</li> <li>➤ Construction of Drainage Sluice: 38 nos. Completed;</li> <li>➤ Repair of Drainage Sluice: 2 nos. Completed.</li> <li>➤ Construction of Flushing Inlet: 29 nos. Completed;</li> <li>➤ Repair of Flushing Inlet: 14 nos. Completed;</li> <li>➤ Embankment Slope Protection Works: 0.140 Km;</li> <li>➤ River Bank Protection Works: 0.00 Km;</li> <li>➤ Nalian Closure Dam: Overall Physical progress 100%. Completed.</li> </ul>
2	Contractor Resources	Updated by Contractor Package-1 in terms of labour and equipment.
3	RAP and status of resettlement Payment	<ul style="list-style-type: none"> <li>• 6,127 entities (residential HHs, commercial premises and common property structures) were identified during updating of Inventory of Losses (IoL) in August-December 2015 of whom 820 on private land (titled) and 4,633 on government land non-titled EPs (Squatters) and among 4,633 EPs, 448 tenants and 226 were wage labourers.</li> <li>• The numbers of entities as of June, 2021 stands at 5373 of whom 4645 non-titled (Squatters), 448 tenants and 280 as wage labours.</li> <li>• BDT 6,094.67lac has been paid to the 4,338 non-titled EPs (squatters) including 174 numbers tenant and 137 numbers wedge labours as compensation/resettlement benefit against their affected residential, fish gher, commercial, tress. Moreover, the compensation has been paid for Social Forestry (27 nos. for CPR) is BDT 16.12lac and for removing 76nos. electric poles an amount of BDT 25.48lac. Total 6,136.27lac has been compensated /as resettlement benefit in Package-1 up to June, 2021.</li> </ul>
4	Status of Land Acquisition	<ul style="list-style-type: none"> <li>• 132.47ha land was programmed for acquisition (LA) in 4 Polders of Package-1. Land acquisition proposal (LAP) were submitted to DC, Khulna and Bagerhat accordingly. A total 1.11ha land was omitted from proposal in Polder 32 (0.63ha) and 35/3 (0.48ha). Now, as per possession received and gazette notification a total land becomes 131.36ha for acquisition.</li> <li>• 131.36 ha of land is programmed for acquisition (Polder-32 = 50.60 ha, Polder-33 =14.28ha, Polder-35/1 =41.47ha &amp; Polder-35/3 = 25.01 ha.).</li> <li>• A total 131.36 ha of land finally approved by MoL and DC for acquisition.</li> <li>• Possession received a total 130.65 ha of land (Polder-32 = 50.02 ha, Polder-33 =14.28ha, Polder-35/1 = 41.34ha &amp; Polder-35/3 = 25.01 ha.)</li> <li>• A total of 0.71ha lands are yet to be received are pending for procession (0.58ha for Polder no. 32 as Sreenagor Kalinagor Mouza and 0.13ha of Polder 35/1 of Sharankhola Mouza).</li> <li>• DC office Khulna &amp; Bagerhat has paid a total BDT <b>8,797.75</b> lac against <b>3,734</b> nos. of awardees among Titled EPs (1215 nos. of Polder-32, 565 nos. of Polder-33, 1,477 nos. of Polder-35/1, 477</li> </ul>

No.	Item	Key Achievements during the month – Package-1
		nos. of Polder-35/3). During June, 2021 CUL has been paid to 39 nos. EPS only.
5	Relocation	98.66% of paid EPs have already been relocated. 50.12% EPs have relocated on their own land; 10.58% on newly purchased land; 16.09% EP has replaced to their relatives or others' land; 11.66% have relocated temporarily at nearby area 1.01% and 2.03% have relocated respectively in Market & Group Relocation In addition wage labour 3.16% and tenant 4.01% are relocated. 1.34% of the paid EPs are yet to be relocated from the ROW.
6	Grievances	<b>178</b> complaints/grievances have received up to June 2021 by GRC. <b>43</b> complaints/grievances have been resolved at the entry level; while <b>134</b> cases have been resolved through investigations and formal hearing by GRC, total <b>177</b> cases have been resolved and <b>1</b> no is under more investigation. All records of GRC preserved according to the guidelines of RAP policy.
7	Environment	The Contractor is carrying out the EHS compliances, which is improving with time through monitoring and learning. They are improving the EHS compliance in the light of the latest field visit of the World Bank Senior Environmental Specialist. They are also involved in translation of approved EHS risk assessment and C-ESMP into Bangla and Chinese languages for easy understanding for implementation. The Contractors also prepared Guidelines Tool to avoid/check infection from COVID-19 and other infectious diseases with reference to "COVID-19 OHS Protocols" provided by the World Bank. The report prepared by the Contractor; Package-1 has been approved by the World Bank. The Contractor, Package-2 has prepared similar report which has been submitted to the World Bank for approval. The Environmental issues are discussed in the World Bank Environmental monthly meeting started from April, 2021, where environment and COVID 19 related issues discussed for further improvement, that also facilitate understanding of the situation by all concerned.
8	Value of Physical Work done	The total value of physical work done up to <b>June, 2021 is BDT 6,635.91 million</b> and during <b>June, 2021 is BDT 249.30 million.</b>
9	Finance	Total expenditure incurred up to IPC-26 is <b>BDT 6,173.39 million</b> including Adjustment for Changes in Legislation (VAT & IT) & Adjustment for Changes in Cost. An amount of <b>BDT 660.89 million</b> has been recovered from the advance payment of <b>BDT 660.89 million.</b>

## 2.2 Package-2

No.	Item	Key Achievements during the month – Package-2
1	Surveys and Design	The pre-sections surveys for the remaining sections of the Polders are conducting during FY 2020-2021 subsequently shop drawings are being prepared before execution of Physical works.
2	Works	<ul style="list-style-type: none"> <li>➤ Construction / Re-sectioning of Embankment: 0.00 Km (F) &amp; 18.447 Km (Partially);</li> <li>➤ Drainage Channel Excavation/Re-excavation: 1.950 km completed;</li> <li>➤ Construction of Drainage Sluices: 14 nos. completed &amp; 25 nos. (Partially);</li> <li>➤ Repair of Drainage Sluices: 2 nos. (Partially);</li> <li>➤ Construction of Flushing Inlets: 10 nos. completed &amp; 12 nos. (Partially);</li> <li>➤ Repair of Flushing Inlets: 0 no. completed &amp; 17 nos. (Partially); total 1 no. completed up to June, 2021.</li> <li>➤ Embankment Slope Protection Work: 0.300 km completed.</li> <li>➤ River Bank Protections: 0.005 Km completed;</li> <li>➤ Construction of Closure Dam: 12.50% completed Foundation Construction of Closure.</li> </ul>
3	RAP and status of resettlement Payment	<ul style="list-style-type: none"> <li>• A total of 6,778 entities have been identified of whom 1,777 entities are titled and 4747 are non-titled on Government land (squatters) which fluctuate, 135 units are identified as community properties and 119 as other institutions will be affected. A total of 814 tenants have been identified among them 751 are commercial and 63 are residential HHs. Moreover, 328 wage labours have also been identified as affected in commercial premises;</li> <li>• BDT <b>3,286.80</b> lac has been paid to <b>2,933</b> non-titled (squatter) as compensation/resettlement benefits against affected residential and commercial structures. An amount of BDT 16.50lac paid for shifting of electric poles from Polder no- 39/2C, 40/2 and 43/2C. The total <b>3,303.30</b> lac has been compensated / as resettlement assistance up to June, 2021 no payment.</li> </ul>
4	Preparation of LAP	<ul style="list-style-type: none"> <li>• 163.79ha land was programmed for Land Acquisition (LA) in six Polders of Package-2. In polder 39.2C (Pirojpur District) 4.84ha land is eroded due to river erosion, that area is omitted from the program. In February, 2021 a new proposal of 13.67ha of land has submitted to DC Pirojpur (12.97ha.) and Jhalakati (0.70ha.) for acquisition. Now the program of land acquisition in Package-2 becomes 172.34ha.</li> <li>• The lands Acquisition Proposal (LAP) for six Polders under Package -2 were submitted to concern DC (Pirojpur, Jhalokathi, Barguna and Patuakhali) for acquisition.</li> <li>• 158.18ha land has been approved by MoL for Polder 39/2C, 40/2, 41/1, 43/2C, 47/2 &amp; 48 out of 172.34ha. BWDB has placed fund against final estimate of CUL for 134.92 ha. of land to DC, Barguna for Polder-40/2 and Polder-41/1, DC, Pirojpur&amp;Jhalokathi for 39/2C, &amp; DC, Patuakhali for Polder-43/2C (Part), 47/2 &amp; 48.</li> <li>• Possession received a total of 134.60ha land (Polder 39/2C- 111.25ha, in Polder 40/2- 11.68ha, for Polder 41/1- 8.29ha, Polder 47/2-2.31ha &amp; Polder 48- 1.07ha).</li> <li>• A total 37.74 ha. of land is pending with DCs (Pirojpur 12.97 ha.,</li> </ul>

No.	Item	Key Achievements during the month – Package-2
		Jhalakati-0.70 ha., Bargun-0.61 ha. and Patuakhali-23.46 ha). <ul style="list-style-type: none"> <li>• Payment of CUL is going on in Polder-39/2C, 40/2, 41/1, 47/2 &amp; 48. As of June, 2021. DC Office Pirojpur, Jhalokathi, Barguna and Patuakhali have paid a total BDT <b>3,268.13</b> Lac to <b>2,399 upto June, 2021.</b></li> </ul>
5	Relocation	<b>45.92%</b> EPs have relocated on their own land; <b>9.25%</b> on newly purchased land; <b>14.60%</b> EPs have relocated to relative's or others' land; <b>18.54%</b> have relocated temporarily at nearby area. <b>5.24%</b> made group relocation <b>6.44%</b> of the paid EPs are yet to be relocated from the ROW.
6	Grievance Redress Management (GRM)	A total number of <b>51</b> complaints/grievances have been received up to June 2021 by GRC. All of them have been resolved in the entry level by the field investigation. Some of the application / complaints have been received by Project (Not applied to GRC) related to land acquisition, civil works etc. which have resolved through concerned (D.C. Office, DDCS & PMS Consultants and Contractor).
7	Environment	The Contractor is carrying out the EHS compliances, which is improving with time through monitoring and learning. They are improving the EHS compliance in the light of the latest field visit of the World Bank Senior Environmental Specialist. They are also involved in translation of approved EHS risk assessment and C-ESMP into Bangla and Chinese languages for easy understanding for implementation. The Contractors also prepared Guidelines Tool to avoid/check infection from COVID-19 and other infectious diseases with reference to "COVID-19 OHS Protocols" provided by the World Bank. The report prepared by the Contractor; Package-1 has been approved by the World Bank. The Contractor, Package-2 has prepared similar report which has been submitted to the World Bank for approval. The Environmental issues are discussed in the World Bank Environmental monthly meeting started from April, 2021, where environment and COVID 19 related issues discussed for further improvement, that also facilitate understanding of the situation by all concerned.
8	Value of Physical Work Done	The total value of physical work done up to <b>June, 2021</b> is <b>BDT 6,735.02 million</b> and during <b>June, 2021</b> is <b>BDT 83.26 million.</b>
9	Finance	Total expenditure incurred up to IPC-17 is <b>BDT 6,218.85 million</b> including Adjustment for Changes in Legislation (VAT & IT) & Adjustment for Changes in Cost. An amount of <b>BDT 450.10 million</b> has been recovered against the advance payment of <b>BDT 1,028.40 million.</b>
10	Contract Administration	The Variation Order No. 3 for construction of Rest House cum Office Building at Bhandaria was submitted to the PMU after recasting the same as per observations of the PMU vide Engineer's letter RDCOR_BC5883-100_L002586_JHL_MAR dated: 28 <sup>th</sup> May, 2020 in the name of Variation Order No.02. The Engineer has not yet received any response in this respect from the employer.

## 2.3 Package-3

No.	Item	Key Achievements during the Month – Package-3
1	Surveys and Design	The detailed design of all the infrastructures like Embankment, Drainage Channels, Drainage Regulators, Flushing Regulators, Slope Protection works, Bank Protections works etc. were submitted to the concerned design office of BWDB within June, 2019. By this time the detailed Design of all the infrastructures had been approved by the concerned Design Circle of BWDB. The design of 209.98 km of Embankment Design of 167.37 km of Excavation/ Re-excavation of Drainage Channels, design of 52 nos. Drainage Regulators & 19 nos. Flushing Regulators have been approved by the BWDB Design Circle-5. The typical Mechanical Design for Flap Gates & Vertical lift gates for the D/S & F/S of Package-3 have already been approved by the Mechanical design Circle of BWDB.
2	Bid Documents	The Draft Bidding Documents was prepared based on preliminary design and submitted to PMU vide Consultant's reference: RDCOR-BE5883-100-L002255_MHR_MAR dated: 17 <sup>th</sup> October, 2019. As per Aide-Memoire of the WB Implementation Support Review Mission, the submitted Bid Documents are to be updated based on the approved design of the related works and to be submitted to the PMU by May, 2021. The preparation of Bidding Documents based on approved design is in progress and expected to be completed by September, 2021.
3	RAP	The original RAP was prepared based on original LAP. Meanwhile, the crest width of the embankment has been increased by BWDB from 4.50 to 6.00 m based on which the LAP is being updated. Hence, the original RAP has also to be updated based on updated LAP. Following the updated LAP, the LAP/RAP team has to revise the Households (HHs) numbering and Inventory of Losses (IoL) survey in 5 Polders under Package-3 of CEIP-1. As per decision of the PMU, Preparation of updated RAP with 7 Polders is under process.
4	LAP	The draft LAP was prepared for all Polders, but as per latest decision, the LAP has to be revised based on revised crest width of embankment 6.00m instead of 4.50m. The draft updated LAP has been prepared for 5 Polders, which will be finalized after proper verification in the field. The process of updating of Lap 2 Polders (14/1 & 15) is in progress.
5	Environment	World Bank thorough final review has agreed to finalize the EIA report of Polder-14/1 along with few additional responses, which will be carried out. The EIA reports of the remaining 6 Polders under Package-3 will follow subsequently.

## 2.4 DDCS & PMS Consultancy Services

No.	Item	Key Achievements upto this Month – Consultant
1	Construction Supervision Systems/Tools	Package-1 physical progress is 95.69% (4 Polders); Package-2 physical progress is 65.40% (6 Polders); Package-3 no works contract, hence no physical progress (7 Polders).

### 3. Project Progress

#### 3.1 Task A: Review and updated the designs bidding documents and related environmental and social plans (EIAs, EMPs and RAPs) already prepared,

##### 3.1.1 Review and update of Design of Package-1

The approved designs were reviewed and updated at the time of commencement of Implementation of the Civil Works. At present, the works are being going on accordingly.

##### 3.1.2 RAP Implementation Package-1

###### 3.1.2.1 Implementation Activities

RAP Implementation for Polders-32, 33, 35/1 and 35/3 under Package-1 is going on. Individual entitlement has been calculated based on Inventory of Losses (IoL) survey and as per PAVC recommended rate of the structures and other assets. A total of **6,127** entities (residential HHs, commercial premises and common property structures) were identified during updating of Inventory of Losses (IoL) in August-October 2015 of whom 820 on private land (titled) and 4633 on government land non-titled EPs (Squatters). Among 4,633 EPs, 448 tenants and 226 wage labourers were identified.

The Polder-wise non-titled EPs and payment of compensation as resettlement benefit is reflected in Table 3-1 below.

Table 3-1: Updated numbers of Non-titled entities up to June, 2021

Polder	Non-titled EP's (Squatters)			Paid Non-titled EP's (Squatters)			Total Tenants	Paid Tenant	Total Wage Labourers	Paid wage labour	Total Entities	Total Paid Entities	Amount paid in BDT (Lac)
	Residence (Squatters)	Commercial (Squatters)	Total (Squatters)	Residence (Squatters)	Commercial (Squatters)	Total Paid (Squatters)							
1	2	3	4=(2+3)	5	6	7=(5+6)	8	9	10	11	12=(4+8+10)	13=(7+9+11)	14
32	875	392	1267	875	392	1267	86	83	23	23	1376	1373	1,628.12
33	872	598	1470	872	339	1211	157	44	75	14	1702	1269	1,757.52
35/1	907	717	1624	907	372	1279	196	38	170	88	1990	1405	2,291.61
35/3	154	130	284	154	116	270	09	09	12	12	305	291	417.42
<b>Total</b>	<b>2808</b>	<b>1837</b>	<b>4645</b>	<b>2808</b>	<b>1219</b>	<b>4027</b>	<b>448</b>	<b>174</b>	<b>280</b>	<b>137</b>	<b>5373</b>	<b>4338</b>	<b>6,094.67</b>
Paid for Social Forestry for 27 unit in 33 & 35/3												27	16.12
Paid for Electric Pole for 76 Unit in 33, 35/1 & 35/3												76	25.48
<b>Grand Total=</b>												<b>4441</b>	<b>6,136.27</b>

###### 3.1.2.2 Payment of Compensation under Law (CUL)

The progress of payment of compensation under law (CUL) is shown in Table 3-2.

Table 3-2: Polder- wise payment of CUL made by DCs Khulna & Bagerhat till June, 2021

Polder No.	Total Awardees	No of awardees applied to DC	Total estimated amount of CUL (BDT) Lac	No. of Paid awardees	Nos. of payment cheque distributed by DC	Total paid Amount in BDT Lac	Progress (%)	Remarks
1	2	3	4	5	6	7	8	9
32	3003	2100	1,644.35	1215	530	1,183.35	71.96	
33	2208	1535	1,673.70	565	301	1,072.75	64.09	
35/1	1610	1610	6806.98	1477	1209	5415.18	79.55	*Fund has been placed for 4.19 ha in March, 21 Payment started for some area and for 0.13 ha.

Polder No.	Total Awardees	No of awardees applied to DC	Total estimated amount of CUL (BDT) Lac	No. of Paid awardees	Nos. of payment cheque distributed by DC	Total paid Amount in BDT Lac	Progress (%)	Remarks
1	2	3	4	5	6	7	8	9
								of land on June, 21.
35/3	575	540	1581.93	477	384	1,126.47	71.23	*Estimated amount has been placed for 0.68 ha in March, 21, which payment has been started to Aps in June, 2021.
<b>Total</b>	<b>7,396</b>	<b>5,785</b>	<b>11,706.96</b>	<b>3734</b>	<b>2424</b>	<b>8,797.75</b>	<b>75.15%</b>	

### 3.1.2.3 Relocation Status and Assessment of Relocation in Package-1

The relocation status and assessment of relocation are reflected in Table 3-3:

Table 3-3: Updated Relocation Status as of June, 2021

Status of relocation	Number of squatters relocated by Polders					
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total	Progress (in %)
Relocated on own land	680	723	635	136	2174	50.12
Relocated on purchased land	97	42	273	47	459	10.58
Relocated on relative & other's land	246	173	214	65	698	16.09
Relocated Temporarily at nearby area (Govt. Land)	208	190	105	3	506	11.66
Group Relocation	29	30	29	0	88	2.03
Market Relocation	6	0	21	17	44	1.01
Wage Labour	23	14	88	12	137	3.16
Tenant	83	44	38	9	174	4.01
<b>Total Relocated-A</b>	<b>1372</b>	<b>1216</b>	<b>1403</b>	<b>289</b>	<b>4280</b>	<b>98.66</b>
Not yet relocated	1	53	2	2	58	1.34
<b>Total Relocation-B</b>	<b>1</b>	<b>53</b>	<b>2</b>	<b>2</b>	<b>58</b>	<b>1.34</b>
<b>Total Relocation target (A+B) =</b>	<b>1373</b>	<b>1269</b>	<b>1405</b>	<b>291</b>	<b>4338</b>	<b>100</b>

### 3.1.3 Grievance Redress Mechanism (GRM)

A total **15** Grievance Redress Committees (GRC) have been formed (**1 for each Union**) in four Polders under Package-1 with the representatives of BWDB, Union Parishad, Educational Institution, PAPs, Women representatives and LAP/RAP team.

The status of complaints/cases received and resolved by GRC are reflected in the table below:

Table 3-4: The status of complaints/cases received and resolved by GRC

SL No.	District	Polder No.	Total Complaints/cases	Resolved at entry level	Resolved by GRC	Total	Newly lodged Grievances
1	Khulna	32	58	19	39	58	0
2	Khulna	33	17	8	9	17	0
3	Bagerhat	35/1	30	8	22	30	0
4	Bagerhat	35/3	73	8	64	72	1
<b>Total =</b>			<b>178</b>	<b>43</b>	<b>134</b>	<b>177</b>	<b>1</b>

### 3.1.4 Status of Land Acquisition of Package-1

Status of land acquisition for four Polders under Package-1 is shown in Table 3-5.

Table 3-5: Status of land acquisition for four Polders under Package-1

SL. No.	Polder no.	District	Program for L.A. (ha)	Proposal submitted to DC (ha)	Approved (ha)		Possession received (ha/date)	Pending (ha)		Fund placed BDT in Lac	Payment of CUL by DC in BDT Lac	Remarks
					DLAC	MoL		DC	MoL			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	32	Khulna	50.60	50.60	50.60	50.60	50.02 (26.09.17)	0.58	-	<b>1644.35</b>	<b>1183.35 (71.96%)</b>	Possession received 50.02 ha out of 50.60 ha. BWDB has been Placed fund to DC office on 09 May 2021 which payment has not yet started. Notices U/S-8 has been served on 07 June 2021. Now waiting for distribution of CUL to Aps and Possession received.
2	33	Khulna	14.28	14.28	14.28	14.28	10.94 (27.09.17) & 3.34 (23.09.19) <b>=14.28</b>	-	-	<b>1673.70</b>	<b>1072.75 (64.09%)</b>	Persuasion is going on APs & DC's office to expedite the CUL payment.
3	35/1	Bagerhat	41.47	41.47	41.47	41.47	30.17 (22.03.18), 6.84 (26.11.20) & 4.33 (07.06.21) <b>= 41.34</b>	0.13	-	<b>6806.98</b>	<b>5415.18 (79.55%)</b>	Possession has received 4.33ha land. Joint Verification Survey (JVS), final approval U/S-6(1) and notices U/S-7 have been completed of newly submission of 0.13ha of land, Fund of compensation has been placed to D.C. by BWDB on 21-06-2021.
4	35/3	Bagerhat	25.01	25.01	25.01	25.01	24.33 (08.11.17) & 0.68 (07.06.21) <b>=25.01</b>	-	-	<b>1581.93</b>	<b>1126.47 (71.21%)</b>	Possession has received 0.68ha Land. Persuasion is going on APs & DC's office to expedite the CUL payment.
<b>Sub-Total =</b>			<b>131.36</b>	<b>131.36</b>	<b>131.36</b>	<b>131.36</b>	<b>130.65</b>	<b>0.71</b>		<b>11706.96</b>	<b>8797.75 (75.15%)</b>	



### 3.1.5 Land Acquisition for Package-2

The status of land acquisition for Package-2 is furnished in the following Table 3-6.

Table 3-6: Status of land acquisition for Package-2

Sl. No	Polder no.	District	Program for L.A. (ha)	Proposal submitted to DC (ha)	Approved (ha)		Possession received (ha)	Pending (ha)			Fund placed BDT in Lac	Payment of CUL by DC in BDT Lac	Remarks
					DLAC	MoL/DC		DC	MoL	Court Case portion			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	39/2C	Pirojpur	114.04	114.04	101.07	101.07	101.07 (19-12-2019, 16-03-2020 & 26-12-20 to 31-12-20)	12.97	--	--	9537.58	<b>1583.28 (16.60%)</b>	CUL Payment is continuing in Pirojpur District but the payment is very slow. Persuasion is going on APs & DC's office to expedite the CUL payment. Newly proposal submitted for acquisition of 12.97 ha of land. Recognize field visit completed on 23 June, 2021 and approved by DLAC on 28-06-2021.
		Jhalokathi	10.88	10.88	10.18	10.18	10.18 (02-02-21)	0.70	--	--	514.75	<b>250.03 (48.50%)</b>	CUL payment is going no. New proposal submitted 0.70ha of construction of Flashing Sluice. Recognize field visit completed on 09 June, 2021 and waiting for approval of DLAC.
2	40/2	Barguna	12.17	12.17	11.68	11.68	11.68 (31-7-19, 29-9-19 & 30-11-19)	0.49	--	--	879.92	<b>725.61 (82.46%)</b>	Approved by MoL of 13.03.2018. 11.68 (ha) land handed over by DC to BWDB. Pending due to court case area is hereby cancelled (0.77 ha.) newly proposal for 0.49 ha. is submitted to D.C. for acquisition.
3	41/1	Barguna	8.41	8.41	8.41	8.41	8.29 (16-1-19, 5-5-19 & 24-11-19)	0.12	--	--	444.52	<b>365.14 (82.14%)</b>	Total 8.29 ha approved by MoL on 13.03.2018 & possession handed over by DC to BWDB. Remaining 0.12ha land approved by DC U/S-6 (1) on 22.06.2021 & issuance of notices U/S-7 are under process.
4	43/2C	Patuakhali	23.20	23.20	23.20	23.20	--	23.20	--	--	*8.97	--	Approved by MoL (24.06.21) 23.14 ha of land of 10 mouzas. Notices U/S-8 is served of 0.06 ha Land. The payment of CUL has not yet started.
5	47/2	Patuakhali	2.57	2.57	2.57	2.57	2.31 (25-11-20)	0.26	--	--	436.12	<b>241.75 (59.37%)</b>	Total 2.31 ha land handed over by DC to BWDB on 25.11.2020. CUL payment is going on. BWDB has placed CUL amount to DC against estimate on 28.06.2021.
6	48	Patuakhali	1.07	1.07	1.07	1.07	1.07 (28-12-19 & 25-11-20)	-	-	--	515.16	<b>102.32 (19.86%)</b>	All land handed over by DC to BWDB. CUL payment is ongoing.
<b>Total=</b>			<b>172.34</b>	<b>172.34</b>	<b>158.18</b>	<b>158.18</b>	<b>134.60</b>	<b>37.74</b>	<b>--</b>	<b>--</b>	<b>12,337.02</b>	<b>3268.13 (26.49%)</b>	

### 3.1.6 Implementation of RAP for Package-2

#### 3.1.7 Implementation Activities

The RAP for Package-2 was prepared and cleared by the World Bank in March 2017, later on updated to incorporating some changes of land acquisition and resettlement issues. This updated RAP-2 was cleared by World Bank in December, 2018. As per updated a total of 6778 entities have been identified of whom 1777 entities are titled and 4747 are non-titled on Government land (squatters) which may fluctuate, 135 units are identified as community properties and 119 as other institutions will be affected. A total of 814 tenants have been identified among them 751 are commercial and 63 are residential HHs. Moreover, 328 wage labours have also been identified as affected in commercial premises.

#### 3.1.8 Payment of Compensation / Resettlement Benefits for Package-2

Payment for Compensation and resettlement benefits for non-titled EPs (Squatters) has been started from October 2018. A total of 2,933 EPs have been paid amounting BDT 3,286.80 lac and shifting of electric poles 16.50lac total amounting of 3303.30 lac. The detail of the payment of compensation is shown in Table 3-7:

Table 3-7: Payment of Resettlement Benefit to squatter in Package-2

Polder	Non-titled EP's (Squatters)			Paid Non-titled EP's (Squatters)			Total Tenants	Paid Tenant	Total Wage Labourers	Paid wage labor	Total Entities	Total Paid Entities	Amount paid in BDT (Lac)
	Residence (Squatters)	Commercial (Squatters)	Total (Squatters)	Residence (Squatters)	Commercial (Squatters)	Total Paid (Squatters)							
1	2	3	4=(2+3)	5	6	7=(5+6)	8	9	10	11	12=(4+8+10)	(7+9+11)=13	14
39/2C	15	37	52	0	0	0	27	0	11	0	90	0	0
40/2	1040	705	1,745	657	176	833	398	0	95	0	2238	833	923.97
41/1	467	377	844	315	156	471	68	0	12	0	924	471	599.22
43/2C	323	249	572	296	171	467	115	0	24	0	711	467	544.55
47/2	95	70	165	93	67	160	8	0	1	0	174	160	155.87
48	776	593	1,369	631	371	1002	198	0	185	0	1752	1002	1,063.19
<b>Total =</b>	<b>2716</b>	<b>2031</b>	<b>4747</b>	<b>1992</b>	<b>941</b>	<b>2933</b>	<b>814</b>	<b>0</b>	<b>328</b>	<b>0</b>	<b>5889</b>	<b>2933</b>	<b>3286.80</b>
<b>Shifting of electric poles</b>												<b>28</b>	<b>16.50</b>
<b>Total</b>												<b>3303.30</b>	

#### 3.1.9 Payment of Compensation under Law (CUL), Package-2

The Polder wise payment of compensation Under Law (CUL) is furnished in Table 3-8 below:

Table 3-8: Polder- wise payment made by DCs (Pirojpur, Patuakhali & Barguna)

District	Polder No.	Total Awardees	No of awardees applied to DC	Total estimated amount of CUL (BDT) Lac	No. of Paid awardees	Nos. of payment cheque distributed by DC	Total paid Amount in BDT Lac	Progress (%)
1	2	3	4	5	6	7	8	9
Pirojpur	39/2C	16730	4533	9537.58	1022	234	1583.28	16.60
Jhalokathi	39/2C	1154	375	514.75	365	134	260.03	50.52
Barguna	40/2	798	757	879.92	595	375	725.61	82.46
Barguna	41/1	546	504	444.52	384	190	365.14	82.14
Patuakhali	43/2C	0	0	8.97	0	0	0	0.00
Patuakhali	47/2	114	72	436.12	28	28	241.75	59.37
Patuakhali	48	30	15	515.16	5	5	102.32	19.86
<b>Total=</b>		<b>19,372</b>	<b>6,256</b>	<b>12,337.02</b>	<b>2,399</b>	<b>966</b>	<b>3,268.13</b>	<b>26.49</b>

### 3.1.10 Relocation Status of Package-2

The status of relocation has been given below in Table 3-9 after the first indent payment made.

Table 3-9: Status of relocation in Package-2

Status of Relocation	Number of squatters relocated by Polders						
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48	Total	%
Relocated on own land	457	204	259	98	322	1340	45.92
Relocated on purchased land	41	65	29	5	130	270	9.25
Relocated on relative & other's land	145	60	98	3	120	426	14.60
Relocated Temporarily at nearby area (Govt. Land)	126	101	57	49	208	541	18.54
Group Relocation	19	10	0	0	124	153	5.24
Market Relocation	0	0	0	0	0	0	0.00
<b>Total Relocated-A =</b>	<b>788</b>	<b>440</b>	<b>443</b>	<b>155</b>	<b>904</b>	<b>2730</b>	<b>93.56</b>
Not yet relocated	39	31	15	5	98	188	6.44
<b>Total Relocation target (A+B) =</b>	<b>827</b>	<b>471</b>	<b>458</b>	<b>160</b>	<b>1002</b>	<b>2918</b>	<b>100</b>

### 3.1.11 Grievance Redress Mechanism (GRM)

A total **21** Grievance Redress Committees (GRC) have been formed (1 for each Union) in six Polders under Package-2 with the representatives of BWDB, Union Parishad, Educational Institution, PAPs, Women representatives and LAP/RAP team are shown in Table 3-10.

Table 3-10: The status of complaints/cases received and resolved by GRC

SI No.	District	Polder no	Total Complaints/cases	Resolved at entry level	Newly lodged Grievances
1	Barguna	40/2	18	18	0
2	Barguna	41/1	16	16	0
3	Patuakhali	43/2C	17	17	0
4	Kalapara	47/2	0	0	0
5	Kalapara	48	0	0	0
<b>Total =</b>			<b>51</b>	<b>51</b>	<b>0</b>

### 3.1.12 Preparation of EIA of Package-1

The EIA of 4 Polders under Package-1 were completed during the study period and duly been approved by the competent authorities including World Bank.

## 3.2 Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package-2 Polders

### 3.2.1 Data processing and reviewing the shop drawings

Immediately after the completion of each day's survey work, the raw data is submitted to the DRE. Then the raw data is processed to check the quality by using the field log sheet. The shop drawings of embankment and khals are also verified with the received raw data/field log sheet and reviewing the proposed alignment before giving final approval.

### 3.2.2 Design status of Package-2

All the Detailed Designs of Package-2 were completed and duly been approved by the respective Design Circle of BWDB.

### 3.2.3 Preparation of EIA of Package-2

The EIA of 6 Polders under Package-2 were completed and duly been approved by the competent authorities including World Bank.

The period involves the starting of working season and thus the Contractors getting involved in carrying out new works along with continuation of the previously involved activities. The environmental activities related to Environment, Health and Safety (EHS) including COVID measures and others as carried out during the month of June, 2021 are as follows:

### 3.2.4 Preparation of Monthly Progress Report (MPR) of Environmental issues for the month of June, 2021

The period involves the partly working season due to the onset and continuation of rainy season and thus the Contractors are getting involved in carrying out various works related to the continuation of the previously incomplete activities mainly. Continuation and present spiking of COVID-19 created various restrictions to the work progress. In spite of crucial pandemic situation prevailing all over the country, the environmental activities related to Environment, Health and Safety (EHS) and others as carried out during the month of June, 2021 are described as follows:

### 3.2.5 Holding of virtual meeting with World Bank and Environmental Safeguard team of CEIP-1

The World Bank carried out the monthly follow-up meeting with CEIP-1 PMU, DDCS& PMS Consultants Team on 07.06.2021 to update the latest status of the environmental activities. In the meeting the important environmental issues discussed and their progress are briefed as follows:

#### a. Project Director's concern on non-compliance of EHS issues:

Project Director, CEIP-1 expressed concern on non-compliance of some EHS items such as not wearing PPE which he experienced during last field visit. The Concerned Contractor was immediately communicated the issues and instructed to take immediate action their rectification. The issues are also strictly monitored by Environmental Specialist, DDCS&PMS Consultants and PMU Field Environmental Specialist.

#### b. Finalization and submission of RAP report

Finalization of RAP report for Package-3 was supposed to be completed earlier and submitted. But according to the concerned Social Specialists, draft RAP report has been prepared for 5 Polders, excluding 2 Polders of Package-2, according to previous understanding. But according to the latest modification RAP has to be prepared for total 7 Polders under Package-3. This will need collection of social field data and preparation of Land Acquisition Proposal (LAP) for the remaining 2 Polders. The issue will require some time, which may be extended due to the present COVID-19 situation.

#### c. Compliance of COVID 19 issues

The Contractors are following the COVID 19 issues following the related Manual, approved by the World Bank. They follow the measures including hand washing with sanitizer or soap, using mask, following personal distancing and regular temperature checking of the worker. Erection of cautionary signboards at work sites have also been done for awareness building of workers. Moreover, disinfecting of work sites are also been carried out by the Contractors. It is also important to note, the Contractor carry out COVID 19 test of workers on routine basis follow

the instruction of the Manual, if any worker found to be detected Corona positive, they arrange for isolation of that particular worker.

#### **d. Improvement of EHS compliance by Contractor, Package-2**

As suggested by the Environmental Specialists of PMU and DDCS&PMS Consultants, the Contractor, Package-2 has improved various EHS compliance levels at various work sites. They have placed the generators on paved surfaces to check pollution of soil and ground water through leakage of fuels and lubricants, erected cautionary signboards for awareness building of workers, verified the validity of fire extinguishers and replaced the expired ones. They have also started improvement of toilets established for the workers at different work sites.

#### **e. Fishery related activities in Package-2**

The Contractor, Package-2 has to take preparation of their fishery related activities and the Contractor has been suggested by DDCS&PMS Consultants to proceed on with appointment of Fishery Specialist, who will make assessment of the related various activities to be carried out. The Contractor is trying proceed accordingly, although the present COVID 19 situation is restricting the progress in this regards.

### **3.2.6 Holding of Monthly EHS meeting in Package W-01**

Environment, Health and Safety meeting for the month of June, 2021 has been carried out on 13<sup>th</sup> of June, 2021. The meeting was presided by Mr. Md. Asrafal Alam, Executive Engineer, CEIP-1, BWDB, Khulna, the minutes of the meeting has been circulated to the all concerns. The EHS issues discussed in the meeting are briefed as follows:

#### **a. Release of fish further fingerlings and appointment of Fishery Specialist in Package W-01**

According to Senior Environmental Specialist, PMU, Contractor, Package-W-01 released 20,000 fish fingerlings in 4 Polders. As per recommendation of the Fishery committee, the Contractor requires to appoint one Fishery Specialist and they also need to plan for release of further 100,000 fish fingerlings. In addition, they also need to prepare plan for nourishment of the fish fingerlings ahead of releasing of further fish fingerlings. DDCS&PMS Consultants will take necessary step for action of the Contractor on the issue.

#### **b. Follow up Environmental code during Decommissioning**

Since the works of Package-W-01 is on the completion stage, decommissioning of the completed sites are important from environmental point of view. The Contractor needs to follow the environmental code of conduct during decommissioning. Contractor's representative was instructed to prepare a decommissioning plan and submit to DDCS&PMS Consultants for its finalisation and approval, to be followed by the Contractor during decommissioning.

#### **c. Provision of Safeguards requirement in Emergency & Slope protection works**

At present emergency and slope protection works are in progress, where there is inadequate provision of PPE, potable water and first aid facilities hampering the EHS qualities. The Contractor's representative was asked to supply these EHS requirements adequately for assured quality EHS provision, which was agreed.

#### **d. Follow up instruction of COVID-19 Measures**

The Contractors of Package W-01 and W-02 are following the instruction of COVID 19 manual and following the compliance like hand washing with sanitizers or soap/detergent, using mask, maintaining safe distance. COVID 19 safety signboards have been erected to aware the workers about Corona virus safety measures.

### e. Implementation of Recommendations of 5<sup>th</sup> Environmental annual Audit report

The 5<sup>th</sup> Annual Environmental Audit report has been forwarded to both the Contractors, CEIP-1 with instruction to follow and implement the non-complied EHS issues mentioned in the report and the Contractor, W-01 agreed to follow them as instructed.

### f. Supply of Potable water and maintenance of Toilet facilities

The representative of the Contractor was suggested to supply safe drinking water at all working sites adequately for maintaining health qualities of the workers. In addition, provision of hygienic toilet with supply of water and soap/detergent for washing to be ensured for workers health, which the Contractor's representative agreed to provide.

### 3.2.7 Formulation of report on Lessons learned on Safeguards compliance from CEIP-1

A report on lessons learned from safeguards compliance from CEIP-1 has been prepared, which can be considered for the next phases of CEIP for improved and smooth continuation. The report has been forwarded to World Bank for their appraisal.

### 3.2.8 Environment-related information, Package-1

The Contractor, Package-1 has submitted some information related to environment for the month of June, 2021 as a part of the regular exercise. The Contractor recruits no under-aged worker and workers' age are verified through cross checking their National ID Cards. The related information are provided in the following Table 3-11:

Table 3-11: Information for the month of June, 2021

Locations	No. of total workers in 4 Polders in this month		No. of Env. training and trainees in this month		No. of total accidents took place in this month	No. of env. grievance recorded this month	No. of problem faced for env. compliance in this	Comments
	Local worker	Expatriate worker	No. of training	No. of trainee				
Polder 32	26	4	08	80	00	00	00	No accident occurred
Polder 33	25	2	00	00	00	00	00	No accident occurred
Polder 35/1	118	12	09	86	00	00	00	No accident occurred
Polder 35/3	15	1	00	00	00	00	00	No accident occurred
Khulna	12	09	00	00	00	00	00	No accident occurred
Dhaka	02	01	00	00	00	00	00	No accident occurred
<b>Total</b>	<b>198</b>	<b>29</b>	<b>17</b>	<b>166</b>	<b>00</b>	<b>00</b>	<b>00</b>	

### 3.2.9 Information of working areas, no. of workers involved (both local and expatriate) and steps taken by the Contractor, Package-1 on COVID-19 pandemic

The Contractor of Package-1 has been involved in various construction /civil activities where a number of local and expatriate workers/ staffs are involved. The works were continued at few work sites during the month of June, 2021 in the Pandemic situation, which is aggravating fast. The Contractors took some emergency measures like provision of PPE, mask, hand gloves, hand sanitizer (containing 75% alcohol), checking of workers' temperature, disinfection of

camp and work sites and imposition of some restrictions including social/personal distancing and preparation of isolation areas. Information on workers and work sites along with safety issues provided by the contractor during the reporting period are as follows Table 3-12:

Table 3-12: Information on locations of various work sites, involved number of workers and safety issues followed in Package-1 areas during the month of June, 2021

Sl. No.	Location, Polder No. Work site	Type of work	No of workers involved during 01.06.2021 to 30.06.2021		Expected date of work completion	Comments
			Local	Expatriate		
1	Dacope Polder-32	Office work	1	04	30.06. 2021	Used mask, hand gloves and made temperature screening
2	KM40+000-KM42+200 Polder-32	Embankment	08	00	20.06. 2021	Used mask, hand gloves and made temperature screening
3	KM47+500-KM48+100 Polder-32	Embankment	17	00	25.06 2021	Used mask, hand gloves and made temperature screening
5	Closure Dam Polder-32	Embankment	00	00	21.06. 2021	Used mask, hand gloves and made temperature screening
7	KM0+000-1+500 Polder-33	Back filling Embankment	05	02	28.06. 2021	Used mask, hand gloves and made temperature screening
8	KM48+152-49+300 Polder-33	Back filing and slope cutting	10	00	26.06. 2021	Used mask, hand gloves and made temperature screening
9	KM47+870-48+170 Polder-33	Slope protection	10	00	22.06.2021	Used mask, hand gloves and made temperature screening
10	Reyanda Polder-35/1	Embankment earth filling	55	12	30.06.2021	Used mask, hand gloves and made temperature screening
11	Tafalbari Polder-35/1	C.C Block carrying to other locations	33	00	24.6.2021	Used mask, hand gloves and made temperature screening
12	Pollimongal Polder-35/1	Sluice work & embankment earth filling	18	00	26.06.2021	Used mask, hand gloves and made temperature screening
13	Khuriakhali Polder-35/1	Embankment earth filling	8	00	28.06.2021	Used mask, hand gloves and made temperature screening
14	Tafalbari Polder-35/1	Office work	04	00	2021.06.29	Used mask, hand gloves and made temperature screening
15	Bhadhaghat Polder-35/3	Embankment earth filling	15	01	2021.06.29	Used mask, hand gloves and made temperature screening
16	Khulna	Office work	12	9		Used mask, hand gloves and made temperature screening
17	Dhaka	Office work	02	01		Used mask, hand gloves and made temperature screening
<b>Total workers</b>			<b>198</b>	<b>29</b>		

### 3.2.10 Novel coronavirus response, Package-1

Contractor, Package-1 conducts the following practices as response to COVID 19 Manual

- Temperature of all personnel taken every day and arrange experienced personnel to take temperature and check, including office, camp, local construction, sluice and slope protection construction.
- All personnel wear surgical masks during operation and are provided masks before going to work every day
- Keep hands clean with hand sanitizer and disinfectant to avoid spreading of the virus

- Thorough disinfection drive is conducted every Friday (Holiday), including office areas, camps, prefabrication plants, construction vehicles and motor vehicles
- Provision of PPE like surgical masks, medical gloves, eye mask to supporting staff (such as gate guard, police)
- Provision of training and awareness on prevention and safety issues related to Corona virus infection during tool box talking.
- Workers are not allowed any leave during work and leaving work site is forbidden strictly.

### 3.2.11 Noise measurement of Package-1

None of the automated CC block manufacturing plants of Package-1 was in operation during the month of June, 2021. Moreover, no generator was in operation during the whole month. Thus, noise level was not measured at work sites of Package-1.

### 3.2.12 Environment-related information, Package-2

The Contractor, Package-2 has submitted some information related to environment for the month of June, 2021 as part of the regular exercise. The Contractor recruited no under-aged worker and workers' age is verified cross checking their National ID Cards. The related information are provided in Table as follows tables:

Table 3-13: Environmental-related Information, Package-2 for June, 2021

Locations	No. of Total Workers in 6 Polders this Month		No. of environmental trainees in this month	No. of total accidents took place in this month	No. of total environmental grievance in this month	No. of problem faced for environmental compliance in this month	Comment
	Local Workers	Expatriate workers					
Polder 39/2C	312	18	289	0	0	0	One slight leg injury while stacking templates, the worker was sent to local clinic and got cure
Polder 40/2	155	8	135	0	0	0	One slight finger injury, which was treated with first aid facilities.
Polder 41/1	99	7	75	0	0	0	Have no injury this month
Polder43/2C	94	4	82	01	0	0	Have no injuries this month
Polder 48	121	5	112	0	0	0	Have no injuries this month
Dhaka office	8	6					
Patuakhali office	6	6					
<b>Total=</b>	<b>795</b>	<b>54</b>	<b>693</b>				

### 3.2.13 Information of working areas, no. of workers involved (both local and expatriate) and steps taken by the Contractor, Package-2 on COVID-19 pandemic

The Contractor of Package-2 has been involved in various construction /civil activities, where local and expatriate workers/ staffs are involved, although works have been affected due to COVID-19 situations. Most of the workers continued at various work sites during the month of June, 2021 in the prevailing COVID-19 pandemic situation as provided in the following Table 3-14.



Table 3-14: Work site information of Package 2, CEIP-1 during the period from 1.6.2021 to 30.6.2021

Sl. No.	Location, Polder No. Work site	Type of work	No of workers involved during 01.5.2021 to 31.5.2021		Expected date of work completion	Comments
			Local	Expatriate		
1	39/2C	1. CC Block Manufactured work 2. Steel Bar binding work for Ds-2 3. Steel Bar binding work for Ds-6	312	18	30 December 2021	
2	40/2	1. CC Block Manufactured work 2. Construction work for D/S-10 3. Sand filling work for DS-1 4. Slop protection work for KM13+184-13+577 5. Steel Bar binding work for FS-16	155	8	30 December 2021	
3	41/1	1. Construction work for F/S 25	99	7	30 June 2021	
4	43/2C	1. CC Block Manufactured work	94	4	CC Block Manufacturing work always continue	
6	48	1. CC Block manufactured; 2. Slope Protection work For KM 30+800-31+450	121	5	30 June 2021	
7.	Dhaka office	Administration and Supervisory works	8	6		
8.	Patuakhali office	Administration and Supervisory works	6	6		
<b>Total workers=</b>			<b>795</b>	<b>54</b>		

**Note:** During this period, contractor has always provided the protective tools to workers, such as Mask, Hand Sanitizer and the 75% of alcohol, most important is we check workers` temperature everyday with Temperature measuring gun. And also, every Polders` camp has prepared the isolation area.

### 3.2.14 Noise Measurement, Package-2

The automated CC manufacturing plants of Polder 39/2C are closed during the month of June, 2021 However, noise have been measured as caused by operation of generator mainly, used for various project related activities operated in Polders 39/2C, 40/2, 41/1,43/2C and 48 during the month of June, 2021. The noise levels of different work sites of these Polders are provided in Tables 16 to 19 as follows:

Table 3-15: Noise Records of Polder 39/2C

Monitoring Location:		Polder 39/2C - Camp Area, CC Block, Manufacturing plant & River Side
Monitoring Date		30-June-2021
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		CC block manufacturing Site, Generator.
Location category		Mixed area
Measurement results, dB	CC Block manufacture Mixer machine Yard-2 (x-486645.32, y-500866.968)	52 51.2 52
	Generator Room (Outside) Yard-2 (X:486659.23 Y:500870.523)	70.3 69.5 71
	Generator Room (Inside) Yard-2 (X: 486654.22 Y:500870.548)	74 73.2 73

	CC Block Stack Area (80 M from Machine) x-486734.18, y-501289.32	53 52.3 52
	Workshop Area x-486732.741, y-502101.72	56.3 54.3 55
	Camp Area x-486715.108, y-502101.107	50.1 50 50
	Community (East) x-486513.74, y-502104.15	51.2 52 52
	Community (West) x-486789.23, y-502103.163	50 50 51
	River Side x-486899.756, y-501973.934	53 52.2 52
Daytime standard of sound, dB (ECR 1997)		50 (residential area); 60 (mixed area); 70 (commercial area); 75 (industrial area)
Daytime standard of sound, dB (WHO, 1999)		55 (residential); 55 (institutional); 55 (educational); 70 (commercial area); 75 (industrial area)

Table 3-16: Noise level of Polder 40/2

Monitoring Location		Polder 40/2,CC Block Manufacturing plant, camp
Monitoring Date		30-June-2021(Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		CC block manufacturing plant, generator
Location category		Mixed area
Measurement results, dB	CC block casting area(E497100.876 N434366.099 2.90)	56 56.5 56
	curing area (start point) (E497106.635 N434368.626 2.78)	53 53.5 54.2
	curing area (end point) (E497090.418 N434360.046 2.31)	52 52 52
	stacking area (E497126.491 N434341.003 2.88)	51.2 50.9 51.1
	Generator room in side (E497000.16 N434328.054 3.05)	75.5 73.4 73.5
	Generator room out side (E497000.25 N434328.054 3.05)	69.9 70.3 70.9
	Kitchen(E497101.516 N434323.099 2.64)	54.8 55 54.4
	Camp room No.1 (E497100.876 N434366.099 2.66)	50.3 51 50
	Camp room No.2 (E497121.312 N434331.878 2.65)	50.9 51.4 51.9
	Worker rest house (E497090.418 N434360.046 2.31)	51.6 52.6 52
Daytime standard of sound, dB(ECR 1997)		50 (residential area); 60 (mixed area); 70 (commercial area); 75 (industrial area)
Daytime standard of sound, dB (WHO, 1999)		55 (residential); 55 (institutional); 55 (educational); 70 (commercial area); 75 (industrial area)

Table 3-17: Noise level of Polder 41/1

Monitoring Location		Polder 41/1 Coordinates: N447305.458 E521446.412
Monitoring Date		30-June-2021(Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		CC block pre-casting yard, Generator
Location category		Mixed area
Measurement results, dB	Generator room in side N447291.788 E521447.84	75.2 74.9 75.3
	Generator room out side N447291.788 E521450.00	70.3 71.2 69.8
	curing area(start point) N447318.086 E521433.608	55.3 56 56.3
	curing area(end point) N447305.458 E521446.412	55.6 55 56
	stacking area N447365.951 E521434.048	53.2 54 53
	Kitchen N447392.819 E52141.700	54.8 55 53.6
	House No.1 N447368.946 E521409.219	50.5 51.2 51.2
House No.2 N447389.027 E521416.627	51 51.6 50.8	
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area);70(commercial area);75(industrial area)
Daytime standard of sound, dB (WHO, 1999)		55 (residential); 55 (institutional); 55 (educational); 70 (commercial area); 75 (industrial area)

Table 3-18: Noise level of Polder 43/2C

Monitoring Location		Polder 43/2C, construction site Coordinates: N454740.798 E540181.012
Monitoring Date		30-June-2021 (Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Mixed area
Measurement results, dB	D/S -2 country side N454704.912 E540183.263	54.3 54 54
	D/S-2 receive side N414704.965 E380021.121	57.3 57 56.6
	DS-4 CC Block manufacture area	62.1 62.3 61.9
	Mixer machine	66.5 65.4 66
Camp side CC Block manufacture area	Generator room in side	74.8 75.6 75
	Generator room out side	71.2 71 71
	receive side	54.3 54 53.9
	country side N454704.912 E540183.263	54.3 55 55
	Mixer machine	63.3 63 64.6
	Generator room in side	75.5 74.8 74.9
	Generator room out side	70.2 69.9 71.5
Daytime standard of sound, dB (ECR 1997)		50(residential area) 60(mixed area); 70 (commercial area); 75 (industrial area)
Daytime standard of sound, dB (WHO, 1999)		55 (residential); 55 (institutional); 55 (educational); 70 (commercial area); 75 (industrial area)

Table 3-19: Noise level of Polder 48

Monitoring Location		Polder 48, CC block yard Coordinates: N416325.431 E512365.154
Monitoring Date: June		30-June-2021
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Industrial area
Measurement results, dB	CC Mixer machine N416380.152 E512338.650	69.9 70.1 71.1
	curing area (start point) N416365.201 E512314.320	54.8 54.3 55
	curing area (end point) N416412.693 E512374.993	54.1 54.2 54
	stacking area N416410.630 E512390.085	51.3 51 51
	Kitchen N416375.098 E512307.765	53 53.2 53
	Generator room in side	76.5 75.5 76.3
	Generator room out side	71.5 71 71.6
	House No.1 N416359.302 E512310.137	50 51.3 51
House No.2 N416365.201 E512327.038	52 51.5 52.3	
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area); 70 (commercial area); 75 (industrial area)
Daytime standard of sound, dB (WHO, 1999)		55 (residential); 55 (institutional); 55 (educational); 70 (commercial area); 75 (industrial area)

### 3.2.15 Information on Grievance Collection Box (GCB)

According to the existing information the present status of GCBs in Package-1 and Package-2 are as follows:

In Package-1, Polder 32 there are 2 nos. of grievance collection boxes (both at camp sites) and Polder 35/1 has 3 nos. (in and around automated CC block manufacturing site) of GCBs.

In Package-2 Polder wise GCBs are, in Polder 39/2C there are 3 nos. (at and around automated CC block manufacturing plants), in Polder 40/2 there are 2 nos(1 at camp site and 1 at mechanical room), in Polder 41/1 there are 2 nos. (1 at gate and 1 at camp site), 43/2C has 2 (1 at camp site and another placed in mechanical workshop site), 48 has 3 nos. (1 outside store room, 1 outside generator room and 1 outside mechanical room). It is to be mentioned here that in the present COVID 19 situation lesser number of workers are involved in works. The numbers of GCB boxes will be increased whenever the number of work location and workers will be increased which is expected with the improvement of COVID 19 situation.

### 3.2.16 Recording of Workers' History

The Contractors, Package-1 and Package-2 are keeping/ maintaining various records of their workers specially information on their age, gender, medical history, contact details of next of kin to notify in case of accident and emergency. The recording is monitored by the Environmentalists of PMU, DDCS&PMS Consultants and Third-party M&E Consultants during their visits at field level.

### 3.2.17 EAP/C-ESMP Monitoring

Monitoring of key EHS risk management according to EAP/C-ESMP in Package-1 and Package-2 have been carried out during the Month of June, 2021 are as follows:

### 3.2.18 Key EHS compliance Issues (Package-1)

Various key EHS measures complied based on EHS risk management in the light of EAP (in Package-1) during the month of June, 2021 are presented in table below:

Table 3-20: Measures taken on EHS Risk Management and EAP for Package-1

Sl. no.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
1	Polder 32 & 35/1 Re-sectioning of Embankment	Starting and ending of working length	May occur accident, top soil disruption	<ul style="list-style-type: none"> <li>• Demarcated all work sites clearly</li> <li>• Installed cautionary/informative signals to indicate the entry and exits of vehicles and movement of construction equipment in the working area.</li> <li>• Disposed of the excess soil at site with no objection from local authority.</li> <li>• Conducted regular toolbox talk before starting the work</li> <li>• Informed the community before the start of work</li> <li>• Provided PPE to the workers during conduct of work</li> <li>• Erected the wire up to enough height before starting and ending of the work</li> <li>• Checked the physical condition of excavator regularly</li> <li>• Checked the physical condition of compaction vehicle regularly</li> <li>• Checked the physical condition of truck regularly</li> <li>• Conducted training on driving safety at regular interval</li> <li>• Borrow area of earth was fixed on agreement with land owners</li> <li>• Documented all borrow agreements</li> <li>• Complied borrow area excavation with safe distance from embankment as per technical specification.</li> </ul>	
2	Precautionary bank protection works at Polder 32 & 35/1			<ul style="list-style-type: none"> <li>• The workers were provided with EHS requirements along with COVID-19 issues</li> </ul>	

Sl. no.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
3	Polder 32, 33, 35/1 & 35/3	Automatic CC manufacturing plants	Lockout-tagout (LOTO) of automatic plant	<ul style="list-style-type: none"> <li>The automated CC plants are closed kept encircled by security enclosure</li> </ul>	No work during the month of June, 2021 in the automated CC manufacturing plants of these Polders
4	All work sites under Package-1	Covid-19 crisis	Spreading infection of novel corona virus	<ul style="list-style-type: none"> <li>Strengthening the body resistance through providing enough potable water and required medicine</li> <li>Checking the body temperature before entrance in the work sites</li> <li>Reduce the work load</li> <li>Making arrangement for hand washing/hand sanitizer</li> <li>Maintaining the required physical distance</li> <li>Providing additional PPE with regard to Covid-19 situation</li> <li>Enhancement of awareness training to the workers for checking contamination of COVID-19</li> </ul>	

## 20.1 Key EHS compliance (Package-2)

Various key EHS measures complied based on EHS risk management in the light of C-ESMP (in Package-2) during the month of June, 2021 are presented in the table below:

Table 3-21: Measures taken on EHS Risk Management and C-ESMP for Package-2

Sl. no.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
1.	Polder 39/2C  Construction embankment of		Lockout-tagout (LOTO) of automatic CC plants of Polder 39/2C	<ul style="list-style-type: none"> <li>The CC block manufacturing plants are closed and kept encircled by security enclosure</li> </ul>	
		Starting and ending of working length	May occur accident, top soil disruption	<ul style="list-style-type: none"> <li>Demarcated all work sites clearly</li> <li>Installed cautionary/informative signals to indicate the entry and exits of vehicles and movement of construction equipment in the working area.</li> <li>Disposed of the excess soil at site with no objection from local authority.</li> <li>Conducted regular toolbox talk before starting the work</li> <li>Informed the community before the start of work</li> <li>Provided PPE to the workers during conduct of work</li> <li>Erected the wire up to enough height before starting and ending of the work</li> <li>Checked the physical condition of excavator regularly</li> <li>Checked the physical condition of</li> </ul>	

Sl. no.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
				<ul style="list-style-type: none"> <li>compaction vehicle regularly</li> <li>Checked the physical condition of truck regularly</li> <li>Conducted training on driving safety at regular interval</li> <li>Borrow area of earth was fixed on agreement with land owners</li> <li>Documented all borrow agreements</li> <li>Complied barrow area excavation with safe distance from embankment as per technical specification.</li> </ul>	
2.	Polders 40/2,41/1, 43/2C, 47/2 and 48 Manufacturing of CC block (by mixer machine) in		<p>Stockpile area</p> <p>Electric firing</p> <p>Fuel Storage</p> <p>Waste storage and disposal</p>	<ul style="list-style-type: none"> <li>Sprayed water at regular intervals</li> <li>Maintained safe height of the stockpile</li> <li>Provided coverage of stockpiled materials</li> <li>Checked the switch board and wire system regularly</li> <li>Provided fire extinguisher and sand at strategic locations</li> <li>Established fuel storage shed</li> <li>Paved the fuel storage area</li> <li>Provided firefighting equipment and checked the expiration date of hydrants</li> <li>Avoided underground storage of fuel</li> <li>Maintained minimum distance during fueling and re-fueling</li> <li>Made available of fuel absorbent facility at site</li> <li>Provided separate collection bins for different waste types</li> <li>Installed designated dumping area</li> <li>Installed decanting boxes</li> <li>Established facility for collection of industrial waste</li> <li>Ensured safe waste disposal</li> </ul>	
3.	Polder 40/2, 41/1, 43/2C& 48 Re-sectioning of Embankment and slope protection works of Polders 40/2 and Polder 48	Starting and ending of working length	May occur accident, top soil disruption	<ul style="list-style-type: none"> <li>Installed cautionary/informative signals to indicate the entry and exits of vehicles and safe movement of construction equipment in the working area.</li> <li>Disposed of excess soil at site with no objection from local authority.</li> <li>Erected the wire up to enough height before starting and ending of the work</li> <li>Checked the physical condition of excavator regularly</li> <li>Checked the physical condition of compaction vehicle regularly</li> <li>Checked the physical condition of truck regularly</li> <li>Conducted training on driving safety at regular interval</li> <li>Borrow area of earth was fixed on agreement with land owners</li> <li>Documented all borrow agreements</li> </ul>	

Sl. no.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
				<ul style="list-style-type: none"> <li>Complied barrow area excavation with safe distance from embankment as per technical specification.</li> </ul>	
4.	All Polders under Package-2	Covid-19 crisis	Infection and Spreading of the germ of novel corona virus	<ul style="list-style-type: none"> <li>Checking of body temperature of workers by experienced personnel at all work sites before entrance.</li> <li>Reduce the work load</li> <li>Make arrangement for hand washing/hand sanitizer</li> <li>Maintaining the required distance to avoid infection</li> <li>Provided additional PPE with consideration to Covid-19 situation</li> <li>Improvement of workers' awareness on control of outbreak and spread of COVID-19</li> </ul>	

### 3.2.19 Progress of Mechanical Works

With regard to mechanical aspects the following activities were performed.

#### Package-1

The fabrication of all New Gates & Hoisting devices had been completed and installation of the devices has already been completed.

#### Package-2

Shop Drawings of Gates and Hoists approved and sent to the Contractor to start fabrication work in China. Pre-Fabrication material test was done at BUET and found in order. Gates and Hoists are being fabricated in China. Already 102 sets of gates and hoists have been arrived at site up to June, 2021. Inspection and testing of these Gates have already been done. Contractor has been advised to install these Gates as early as possible. In total 96 sets of gates have been installed in the completed structures out of which 76 sets in Drainage Sluices and 20 sets in Flushing Sluices. The Contractor has been advised to bring the remaining Gates and hoists at the earliest possible time to complete the Drainage and Flushing Sluices in all respect to make them functional.

#### Package-3

Remaining Design of Flushing cum Drainage Regulators for Package-3 has got approval from BWDB Design Office. With this all the mechanical Design works in connection with Package-3, CEIP-1 has been completed.

## 3.3 Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package-3 Polders

### 3.3.1 Design

The detailed information with regard to status of preparation and approval of the design of different items of works of Package-3 has been shown in the Table 3-22 below:



Table 3-22: Status of Design for Package-3

Sl No.	Polder	Embankment (Km)			Drainage Channel (Km)			Drainage Sluice (No.)			Flushing Sluice (No.)		
		Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement	
			Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved
1	14/1	31.25	31.25	31.25	13.23	13.23	13.23	4	4	4	1	1	1
2	15	30.78	30.78	30.78	15.44	15.44	15.44	4	4	4	0	0	0
3	16	44.75	44.75	44.75	47.90	47.90	47.90	17	17	16	0	0	0
4	17/1	38.50	38.50	38.50	35.80	35.80	35.80	10	10	10	0	0	0
5	17/2	11.00	11.00	11.00	12.40	12.40	12.40	3	3	3	0	0	0
6	23	36.70	36.70	36.70	31.50	31.50	31.50	12	12	12	12	12	12
7	34/3	17.00	17.00	17.00	11.10	11.10	11.10	3	3	3	6	6	6
<b>Total =</b>		<b>209.98</b>	<b>209.98</b>	<b>209.98</b>	<b>167.37</b>	<b>167.37</b>	<b>167.37</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>19</b>	<b>19</b>	<b>19</b>

River Bank Protection Works (Km)			Embankment Slope Protection Works (Km)			Gates & Hoists							
Target	Achievement		Target	Achievement		Target	Drainage Sluice (No.)		Flushing Sluice (No.)		Target	Achievement	
	Design Prepared	Design Approved		Design Prepared	Design Approved		Typical Design Prepared	Typical Design Approved	Design Prepared	Design Approved			
0.00	0.00	0	4.78	4.78	4.78			0			0	0	
1.60	1.60	1.60	0.00	0.00	0			0			0	0	
0.00	0	0	0.00	0	0			0			0	0	
0.00	0	0	0.00	0	0			0			0	0	
0.00	0	0	0.00	0	0			0			0	0	
0.00	0	0	0.00	0	0			0			0	0	
0.00	0	0	0.00	0	0			0			0	0	
<b>1.60</b>	<b>1.60</b>	<b>1.60</b>	<b>4.78</b>	<b>4.78</b>	<b>4.78</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	

### 3.3.2 Bidding Document of Package-3

Preparation of the Bidding Documents based on estimate prepared on the basis of draft design submitted to the concerned design office for approval had been completed and submitted to PMU on 17<sup>th</sup> October, 2019. As per Aide-Memoire of the WB Implementation Support Review Mission during 16<sup>th</sup> August, 2020 to 20<sup>th</sup> August, 2020, the submitted Bid Documents are to be updated based on the approved design of the related works and was schedule to submit to the PMU by March, 2021 but due to delay in the approval of design it could not be submitted within the schedule time. It is in the process of preparation and will be submitted at the earliest possible time.

### 3.3.3 Preparation of EIA of Package-3

The World Bank, after final review, has agreed to finalize the EIA report of Polder-14/1 along with few additional responses, which will be carried out. The EIA reports of the remaining 6 Polders under Package-3 will follow subsequently.

### 3.3.4 RAP Preparation of Package-3

After the accomplishment of the map of alignment fixing by the concern of BWDB and Consultants, the LAP/RAP team has completed the Household (HH) numbering and IoL survey in 5 (five) Polders (Polder-16, 17/1, 17/2, 23 and 34/3) under Package-3 of CEIP-1. A total of 20 community consultation meetings were conducted in 15 different locations in Polders of Package-3. Resettlement Action Plan (RAP) for Package-3 was prepared and submitted to the World Bank. Meanwhile, the design crest level has been increased from 4.50 m to 6.00 m with the instruction of BWDB and the design of embankment was approved accordingly. At present, the LAP is being updated in accordance with the approved design of embankment. However, the RAP submitted earlier has also to be updated based on updated LAP.

### 3.3.5 LAP Preparation for Package-3

The Land Acquisition Plan (LAP) of Package-3 has been prepared on the basis of original design of embankment where the crest width of the embankment was 4.50m. Meanwhile, BWDB had decided to change the design of embankment providing the crest width 6.00m instead of 4.50 m. At the present context, the designs of embankment have been approved by the Design Circle-5, BWDB considering the crest width 6.00m. The LAP/RAP team has collected records and information on previously acquired land for five Polders (Polder- 16, 17/1, 17/2, 23 and 34/3) from concerned O&M Divisions of BWDB and the concerned DC offices (Khulna, Shatkhira and Bagerhat). Mouza Maps have also been collected from the office of Director, Land Records, Tejgaon, Dhaka and the DC office Khulna, Satkhira and Bagerhat. The works of Package-3 proposes to acquire 73.09ha land for improvement of Five Polders. The 3rd Package is likely to displace 2809 house hold (HH) and other units. But all these activities will require updated in accordance with the revised LAP and RAP.

## 3.4 Task C: Supervise Construction & Administer Contract of Package-1

### 3.4.1 Introduction

The Progress report covers the events up to 30<sup>th</sup> June, 2021. The Contract for Package-1 was signed on 1<sup>st</sup> November, 2015 for the execution of Rehabilitation/ Reconstruction and Upgrading of Polder-32; Polder-33; Polder 35/1 and 35/3 under Package-1. The date of formal commencement of work was on 26<sup>th</sup> January, 2016.

Of the total 200.617 kilometres of embankment upgrading in the four Polders, about 181.659 kilometres are fully completed (excluding some dressing & turfing works) and 0.955 kilometre is partially done. Of the remaining 18.003 kilometre, around 17.699 kilometres are paved road. Of these, 17.699 kilometres, 10.65 km in Polder 35/1 and 1.95 km in Polder 35/3, in Bagerhat District and km 5.099 km in Polder 33, Khulna District. The most lengths of the paved roads are in good condition with crest levels around 40 to 50 cm lower than the CEIP-1 design crest levels. The crest widths are also close to CEIP-1 design crest width of 4.50 m. The local people are very much against dismantling these paved roads as they pass through built up areas with squatters on both sides. However, to keep the target length of embankment unchanged, side slopes would be developed particularly on the countryside of these paved roads. The Contractor has been instructed to carry out these slope development early in the next dry season (October – December 2021).

Of the total 151.210 km of Drainage Channel re-excavation, 136.799 Km lengths (86.45%) are completed. The re-excavation of Kumar Khali Khal (12.50 km) and Satghorer Khal (1.00 km) in Polder 35/1 and Care Khal (0.911 km) in Polder 35/3, are not needed as the channel has adequate section with enough conveyance capacity and the local people do not want these channels to be re-excavated. To fulfil the target length in the Result Framework, further discussions would be held with local beneficiaries in Polder 35/1 to find out alternate drainage channels that might need re-excavation for efficient drainage of the Polder.

There is provision for 19.766 Km of embankment slope protection works in the four Polders of which 16.803 km are completed as of 30<sup>th</sup> June 2021. Of the balance 2.963 km length, around 2.00 km is located from km 23.500 to 25.500 in Bogi area where the embankment is yet to be completed. The works for the remaining 0.963 km is in progress at Fashiatala (km 2.000 to km 2.300 & km 4.500 to km 4.650) and at Rayenda market area (km 13.500 – km 14.000).

The total length of 4.25 km River Bank Protection Works in the four Polders were completed during the last work season by June 2020.

### Precautionary Emergency Bank Protection Works (Polder 32)

Around 49.67 km of embankments in Polder 32 under CEIP-1, Contract Package-1 was fully completed by June 2020 excluding the newly proposed retired embankment at Jaliakhali area which was to be retired due to river bank erosion from km 16+400 to 16+800 (400 m). But the completed embankments were under the threat of bank erosion by the Mighty Shibsha & Dhaki Rivers at several locations. These locations were earlier identified for Additional Bank Protection Works.

During a field inspection by the Project Director, PMU, CEIP-1, BWDB on 10<sup>th</sup> March 2021, total length of about 3,220 meter was identified for Precautionary Emergency Bank Protection Works in nine (9) locations along the Shibsha and Dhaki Rivers to protect the Polder from flooding by embankment damage. In the meeting on the same night in Khulna, Project Director, CEIP-1, advised DDCS&PMS Consultants to carry out bathymetric survey and detail designs for the precautionary emergency bank protection works. Accordingly, the working Contractor, CHWE (The First Engineering Bureau of Henan Water Conservancy), was instructed to conduct bathymetric surveys. The Contractor completed the survey cross sections and the survey data were sent to the Engineer (Team Leader) by the last week of March 2021. Detailed designs were prepared by the design team of DDCS&PMS Consultants in the Office of the Engineer, and draft designs were submitted to the Project Management Unit (PMU), CEIP-1, BWDB, between April 01 – 12, 2021 for approval by Competent Authority with copy endorsed to the Contractor to start mobilization and dumping of Geo-bags.

The Contractor, CHWE, (The First Engineering Bureau of Henan Water Conservancy), on instruction from the Engineer, started to mobilize specified Geo-bags and started dumping in **good faith** at the most vulnerable six locations in the Polder jointly identified by BWDB Committee, Engineer's Representative and the Contractor's Project Manager to protect the Polder pending approval of the designs by competent authority and issuance of Work Order by the Engineer. The dumping status up to 30<sup>TH</sup> June 2021 at these six locations of Polder 32 and one location of Polder-35/1 are attached in Table 3-23 below:

Table 3-23: Precautionary Emergency Bank Protection Works in Polder 32 - Dumping Status in Most Vulnerable Reaches (As on 30 June 2021)

Sl No	Chainage		Most Vulnerable Length	Dumping/ Meter	Requirement (Nos.)	Dumped (as on 30/06/2021)	Progress of work (%)	Remarks
	From	To						
1	km 18+930	19+000	70.00	96	6,720	6,720	100.00	250 kg geo-bag
2	km 44+500	44+540	40.00	120	4,800	4,076	84.92	250 kg geo-bag
3	km 45+945	46+110	165.00	90	14,850	5,118	34.46	250 kg geo-bag
4	km 17+050	17+100	50.00	102	5,100	5,100	100.00	250 kg geo-bag
5	km 14+685	14+715	30.00	120	3,600	3,600	100.00	250 kg geo-bag
<b>Total</b>					35,070	24,614	70.19	
6	km 42+990	km 43+110	120.00	126.00	15,120	13,167	87.08	175 kg geo-bag
6A	km 43+005	43+43.055	50.00		2,500	1,052	42.08	Additional dumping with 250 kg geo-bags in the critical 50 m length at km 43 (Kalabogi)
<b>Precautionary Emergency Dumping Status in Polder 35/1 (As of 30 June 2021)</b>								
7	Km2+000	2+300	300.00		43,449	4,890	11.25	250 kg geobags
8	Km 4+500	4+650	150.00		24,944	0	0.00	Aldeady mobilized

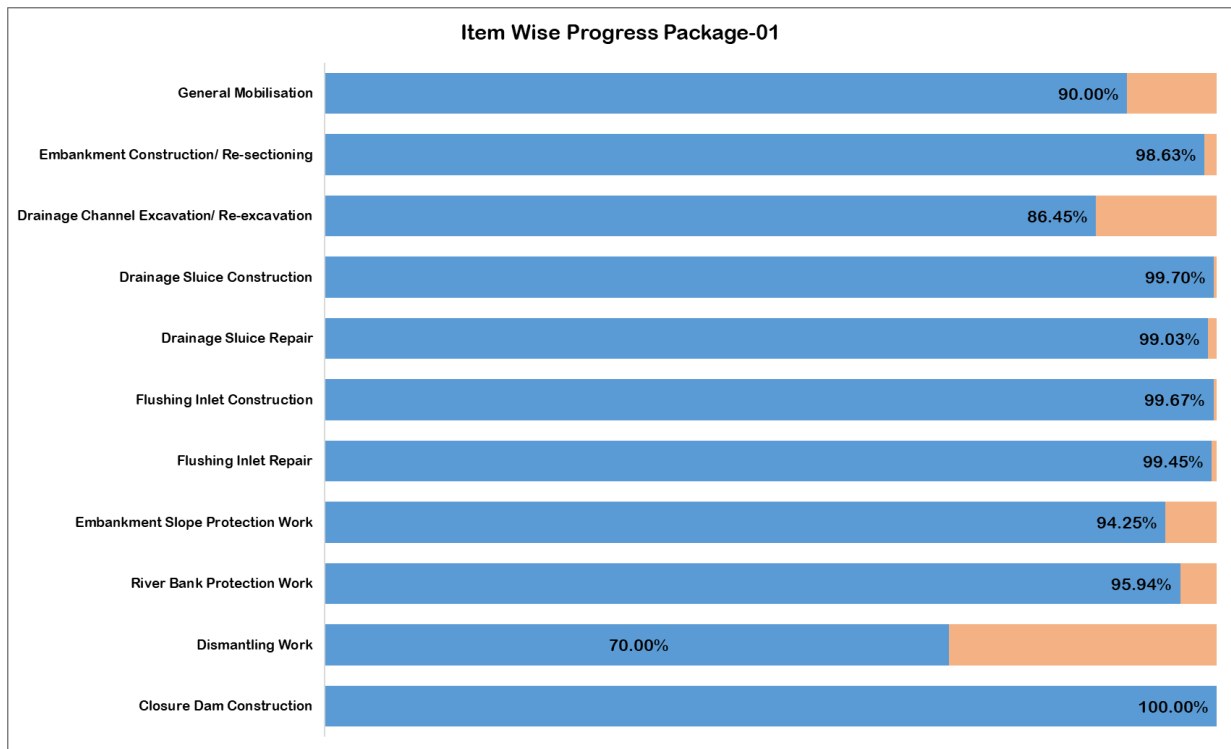


Figure 3-1: Item Wise Progress of Package-1

### 3.4.2 Physical Progress (Mile Stone Matrix)

Table 3-24: Physical Works Status of Package-1 as on June, 2021

Item	Unit	RF Target	Revised Quantity	Tentative Program FY 2020-2021		Cumulative upto June 2020		Cumulative upto 31 May 2021		Current Month		Cumulative upto 30 June 2021		Cumulative During FY 2020-21	
				Full	Part	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed
1	2	3	4	5	6	7	8	9	10	11=(13-9)	12	13	14	15=(13-7)	16
General Mobilization	LS	-	-	-	0	90.00%		90.00%		0.000		90.00%		0.00%	
Embankment Construction/Re-sectioning	Km	200.617	200.617	39.609	0	161.008	19.517	181.009	1.929	0.650	0.955	181.659	0.955	20.65	0.955
						93.61%		98.59%		0.04%		98.63%		5.03%	
Drainage Channel Excavation/Re-excavation	Km	151.210	150.299	18.48	0	131.82	0.000	136.80	0	0.000	0.000	136.80	0	4.98	0.00
						83.12%		86.45%		0.00%		86.45%		3.34%	
Drainage Sluice Construction	No.	38	38	0	0	38	0	38	0	0	0	38	0	0	0
						98.35%		98.91%		0.79%		99.70%		1.35%	
Drainage Sluice Repair	No.	2	2	0	0	2	0	2	0	0	0	2	0	0	0
						95.90%		95.90%		3.13%		99.03%		3.13%	
Flushing Inlet Construction	No.	30	29	0	0	29	0	29	0	0	0	29	0	0	0
						98.27%		98.59%		1.08%		99.67%		1.40%	
Flushing Inlet Repair	No.	14	14	1	0	13	1	14	0	0	0	14	0	1	0
						96.33%		97.31%		2.14%		99.45%		3.12%	
Embankment Slope Protection Work	Km	19.966	19.766	5.600	0	14.166	-	16.663	-	0.140	-	16.803	-	2.64	0.00
						82.34%		82.79%		11.46%		94.25%		11.92%	
River Bank Protection Work	Km	4.45	4.25	0.100	0	4.150	-	4.25	-	0.000	-	4.250	-	0.10	0.00
						89.88%		91.02%		4.92%		95.94%		6.06%	
Closure Dam Construction	No.	1	1	1	0	100% of the foundation & 100% Closing of the Closure works	90% Protection Work of the Closure	100% of the foundation & 100% Closing of the Closure works & 100% Protection Work of the Closure		0% of the foundation,	0% Closing of the Closure works & 1.10% Protection Work of the Closure	100% of the foundation & 100% Closing of the Closure works & 100% Protection Work of the Closure		0% of the foundation, 0% Closing of the Closure works & 10% Protection Work of the Closure	

Table 3-25: Polder wise Physical Works status of Package-1 as on June, 2021

Package No	Polder No	Progress for Construction of Drainage sluices								Progress for Construction of Flushing Sluices							
		Number of DS	Dropped	Revised target of DS	100% Completed	Ongoing	Yet to Start	Overall Progress (%)	Sluice in operation.	Number of FS	Dropped	Revised target of FS	100% Completed	Ongoing	Yet to Start	Overall Progress (%)	Sluice in Operation
1	32	8	0	8	8	0	0	100.00%	8	2	1	1	1	0	0	100.00%	1
	33	12	0	12	12	0	0	100.00%	12	12	6	6	6	0	0	100.00%	6
	35/1	15	1	14	14	0	0	100.00%	14	16	4	12	12	0	0	100.00%	12
	35/3	4	0	4	4	0	0	100.00%	4	10	0	10	10	0	0	100.00%	10
	<b>Total</b>	<b>39</b>	<b>1</b>	<b>38</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>99.70%</b>	<b>38</b>	<b>40</b>	<b>11</b>	<b>29</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>99.67%</b>	<b>29</b>

Package No	Polder No	Progress for Repair of Drainage Sluices								Progress for Repair of Flushing Sluices							
		Number of DS	Number of Dropped	Revised target of DS Repair	100% Completed	Ongoing	Yet to Start	Overall Progress (%)	Sluice in operation.	Number of FS	Number of Dropped	Revised target of FS Repair	100% Completed	Ongoing	Yet to Start	Overall Progress (%)	Sluice in operation.
1	32	0	0	0	0	0	0	NA	0	19	13	6	6	0	0	100.00%	6
	33	0	0	0	0	0	0	NA	0	6	3	3	3	0	0	100.00%	3
	35/1	2	0	2	2	0	0	99.03%	2	3	0	3	3	0	0	100.00%	3
	35/3	0	0	0	0	0	0	NA	0	2	0	2	2	0	0	100.00%	2
	<b>Total</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>99.03%</b>	<b>2</b>	<b>30</b>	<b>16</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>99.45%</b>	<b>14</b>

Package No	Polder No	Progress for Bank Protection Work			Summary of Slope Protection Work			Progress for Excavation / Re-excavation of Drainage Channel				Summary of CC Block Production Status		
		Target Length (Km)	Completed Length (Km)	% Completed	Target Length (Km)	Completed Length (Km)	% Completed	Number of Canals	RF Target Length (Km)	Completed Length (Km)	% Completed	Target Quantity	Production Quantity	% Completed
Package 1	32	2.000	2.000	100.00%	3.30	3.300	100.00%	7	17.00	17.00	100.00%	1,943,383	1,943,312	100.00%
Package 1	33	1.300	1.300	100.00%	4.02	4.016	100.00%	13	62.83	62.83	100.00%	1,338,036	1,293,736	96.69%
Package 1	35/1	0.800	0.800	100.00%	11.75	8.787	74.78%	18	70.47	56.97	80.84%	2,956,616	2,710,312	91.67%
Package 1	35/3	0.150	0.150	100.00%	0.70	0.700	100.00%	2	0.00	0.00	NA	235,968	228,122	96.67%
<b>Package 1</b>		<b>4.250</b>	<b>4.250</b>	<b>95.94%</b>	<b>19.766</b>	<b>16.803</b>	<b>94.25%</b>	<b>40</b>	<b>150.299</b>	<b>136.799</b>	<b>86.45%</b>	<b>6,474,003</b>	<b>6,175,482</b>	<b>95.39%</b>

Package No	Polder No	Progress of Construction / Re-sectioning of Embankment											Partly Completed			
		Target Length (Km)	Completed Length (Km)	% Completed	New Emb. Length (Km)	Completed New Emb. Length (Km)	% Completed	Resectioning Length (Km)	Completed Resectioning Length (Km)	% Completed	Retd. Emb. Length (Km)	Completed Retd. Emb. Length (Km)	% Completed	New Emb. Length (Km)	Resectioning Length (Km)	Retd. Emb. Length (Km)
Package 1	32	49.666	49.322	99.31%	0.00	0.00	NA	30.70	30.36	98.88%	18.96	18.96	100.01%	0.000	0.345	0.000
Package 1	33	49.154	43.600	88.70%	0.00	0.00	NA	44.33	38.77	87.47%	4.83	4.83	100.00%	0.000	0.000	0.000
Package 1	35/1	61.972	50.922	82.17%	0.00	0.00	NA	55.35	44.70	80.76%	6.62	6.22	93.96%	0.000	0.000	0.500
Package 1	35/3	39.825	37.815	94.95%	0.00	0.00	NA	28.90	27.00	93.42%	10.93	10.82	98.99%	0.000	0.000	0.110
<b>Package 1</b>		<b>200.617</b>	<b>181.659</b>	<b>98.63%</b>	<b>0.000</b>	<b>0.000</b>	<b>NA</b>	<b>159.274</b>	<b>140.825</b>	<b>88.42%</b>	<b>41.34</b>	<b>40.83</b>	<b>98.77%</b>	<b>0.000</b>	<b>0.345</b>	<b>0.610</b>







**Table 3-27: Detailed information of Construction Status of Drainage Channel of Package-1**

#	Polder	Name of Khal	Status of Work	Length (Km)	Completed Length (km)	Required Quantity (Cum)	Achieved Quantity (Cum)	Status as of June 2021	Remarks
<b>Package 1</b>									
1	32	Charar (DS-1)	Completed	1.470	1.470	20,240.00	20,240.00	100.00%	Work completed.
2	32	Hatkhola (DS-2)	Completed	3.321	3.321	44,046.00	44,046.00	100.00%	Work completed.
3	32	Para (DS-3)	Completed	4.313	4.313	30,711.00	30,711.00	100.00%	Work completed.
4	32	Kayratoli (DS-7)	Completed	3.116	3.116	25,240.00	25,240.00	100.00%	Work completed.
5	32	Clozarer (DS-8)	Completed	1.783	1.783	22,915.00	22,915.00	100.00%	Work completed.
6	32	Jaliakhali (DS-16)	Completed	3.000	3.000	8,019.15	8,019.15	100.00%	Work completed.
12	33	Bojan, DS 1	Completed	2.156	2.156	53,571.00	53,571.00	100.00%	Work completed.
9	33	Khejura, DS 2	Completed	5.500	5.500	39,452.00	39,452.00	100.00%	Work completed.
13	33	Borobage, DS 3	Completed	7.500	7.500	28,241.00	28,241.00	100.00%	Work completed.
14	33	Bolder, DS 4	Completed	0.975	0.975	18,618.00	18,618.00	100.00%	Work completed.
8	33	Chara, DS 5	Completed	10.000	10.000	89,475.00	89,475.00	100.00%	Work completed.
15	33	Dhopadi, DS 6	Completed	4.073	4.073	61,069.00	61,069.00	100.00%	Work completed.
16	33	Dacope, DS 7	Completed	3.950	3.950	115,279.00	115,279.00	100.00%	Work completed.
7	33	Bajua, DS 9	Completed	8.890	8.890	51,558.00	51,558.00	100.00%	Work completed.
11	33	Pachin Bajua, DS 10	Completed	8.500	8.500	630.00	630.00	100.00%	Work completed.
10	33	Khuntakhali, DS 11	Completed	4.350	4.350	43,945.00	43,945.00	100.00%	Work completed.
17	33	Borobaker, DS 13	Completed	5.616	5.616	34,205.00	34,205.00	100.00%	Work completed.
18	33	Kata, FS 9	Completed	1.320	1.320	31,744.00	31,744.00	100.00%	Work completed.
19	35/1	Terabeka,DS-08(Khal-01)	Completed	2.505	2.505	18,304.00	18,304.00	100.00%	Work Completed
20	35/1	Rayenda,DS-04(Khal-20)	Completed	9.500	9.500	81,985.00	81,985.00	100.00%	Work Completed
21	35/1	Satgharer,DS-18(Khal-02)	Yet to Start	1.000	0.000	9,365.00	-	0.00%	Excavation not required as the conveyance capacity is adequate for drainage. Locals are also against re-excavation. Alternative alignment being sought with locals.
22	35/1	Gabtota,DS-07(Khal-04)	Completed	2.000	2.000	10,575.00	10,575.00	100.00%	Work Completed
23	35/1	Tafalbari(Khal-06),DS-06	Completed	6.197	6.197	44,382.00	44,383.00	100.00%	Work Completed
24	35/1	Sonatola(Khal-11),DS-10	Completed	2.500	2.500	14,468.00	14,468.00	100.00%	Work Completed
25	35/1	Jheelbonia(Khal-19),DS-05	Completed	5.730	5.730	38,856.00	38,856.00	100.00%	Work Completed
26	35/1	Thanar(Khal-42),DS-11	Completed	3.511	3.511	70,562.00	70,562.00	100.00%	Work Completed
27	35/1	Khunta kata(Khal-61),DS-03	Completed	3.500	3.500	454.50	455.00	100.00%	Work Completed
28	35/1	Kumarkhali(Khal-64),DS-02	Yet to Start	12.500	0.000	196,165.00	-	0.00%	Excavation not required as the conveyance capacity is adequate for drainage. Locals are also against re-excavation. Alternative khals are being explored to re-excavate in consultation with Polder Community.
29	35/1	Sannashir(Khal-73),DS-01	Completed	1.500	1.500	11,825.00	11,825.00	100.00%	Work Completed
30	35/1	Andaria(Khal-75),DS-15	Completed	2.075	2.075	32,662.00	32,662.00	100.00%	Work Completed
31	35/1	Kabirajer(Khal-79),DS-13	Completed	3.151	3.151	38,743.00	38,743.00	100.00%	Work Completed
32	35/1	Rajapur(Khal-81),DS-12	Completed	3.730	3.730	77,690.00	77,690.00	100.00%	Work Completed
33	35/1	Khajurbaria(Khal-90),DS-17	Completed	5.500	5.500	75,241.00	75,241.00	100.00%	Work Completed
34	35/1	Rathiar(Khal-84),DS-16	Completed	4.625	4.625	69,186.00	69,186.00	100.00%	Work Completed
35	35/1	Fajajipara(Khal-76),DS-14	Completed	0.942	0.942	7,695.00	7,695.00	100.00%	Work Completed
36	35/3	Care Khal	Dropped	0.000	0.000	-	-	NA	Not required hence it is drop.
<b>Total</b>				<b>150.299</b>	<b>136.799</b>	<b>1,517,116.65</b>	<b>1,311,588.15</b>		

**Table 3-28: Detailed information of Construction Status of Drainage Sluices of Package-1**

#	Polder	Sluice Name	Dropped/ Not Dropped	LA Problem	LA - Current Status	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress June 2021)	Remarks
<b>Drainage Sluice</b>											
1	32	DS-1	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
2	32	DS-2	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
3	32	DS-7	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
4	32	DS-8	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
5	32	DS-9	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
6	32	DS-10	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
7	32	DS-11	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
8	32	DS-16	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
9	33	DS-1	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
10	33	DS-2	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
11	33	DS-3	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
12	33	DS-4	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
13	33	DS-6	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
14	33	DS-7	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
15	33	DS-8	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
16	33	DS-9	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
17	33	DS-10	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
18	33	DS-11	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
19	33	DS-12	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
20	33	DS-13	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
21	35/1	DS-1	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
22	35/1	DS-2	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
23	35/1	DS-4	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
24	35/1	DS-5	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
25	35/1	DS-6	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
26	35/1	DS-7	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
27	35/1	DS-8	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
28	35/1	DS-11	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
29	35/1	DS-12	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
30	35/1	DS-13	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
31	35/1	DS-14	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
32	35/1	DS-15	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
33	35/1	DS-16	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
34	35/1	DS-17	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
35	35/1	DS-18	Dropped	N	NA					0%	DS-18, Suspended due to vulnerable situation of Baleshor River from
36	35/3	DS-1	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
37	35/3	DS-2	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
38	35/3	DS-3	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
39	35/3	DS-4	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.

**Table 3-29: Detailed Information of Construction Status of Flushing Sluices of Package-1**

#	Polder	Sluice Name	Dropped/ Not Dropped	LA Problem	LA - Current Status	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress June 2021)	Remarks
<b>Flushing Sluice</b>											
1	32	FS-3	Dropped	Y						0%	Dropped as local chairman does not allow to construct the FS-3 .
2	32	D-10	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
3	33	FS-1	Dropped	N	NA					0%	Dropped due to Court Case
4	33	FS-3	Dropped	Y						0%	Dropped as adjacent DS-3 will serve the purpose
5	33	FS-5	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
6	33	FS-6	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
7	33	FS-8	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
8	33	FS-9	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
9	33	FS-10	Dropped	Y						0%	Dropped due to Land Problem.
10	33	FS-11	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
11	33	FS-14	Dropped	Y						0%	Dropped due to Land Problem for excavation of diversion channel
12	33	FS-15	Dropped	N	NA					0%	Structure is good condition, converted to repair. Design data submitted for repair work.
13	33	FS-17	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
14	33	FS-19	Dropped							0%	Dropped due to Land Problem .
15	35/1	FS-1	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
16	35/1	FS-2	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
17	35/1	FS-4	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
18	35/1	FS-5	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
19	35/1	FS-6	Dropped	Y						0%	Dropped due to Land Problem for excavation of diversion channel
20	35/1	FS-7	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
21	35/1	FS-12	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
22	35/1	FS-13	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
23	35/1	FS-14	Dropped	Y						0%	Dropped due to Land Problem for excavation of diversion channel
24	35/1	FS-15	Dropped	Y						0%	Dropped due to Land Problem for excavation of diversion channel
25	35/1	FS-16	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
26	35/1	FS-17	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
27	35/1	FS-18	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
28	35/1	FS-19	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
29	35/1	FS-21	Dropped	Y						0%	The local farmer and UP Member demanded new sluice by their letter dated 10.12.2018 to EE & DRE,CEIP-1.Land issues for diversion channel at R/S needs to be solved & decision of component authority needs for next step of construction of FS-21.Instruction from Dhaka office that FS-21 needs to be constructed.BWDB land to be identified by Resettlement team.
30	35/1	FS-22	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
31	35/1	FS-23	Dropped	Y						0%	Dropped due to Land Problem for excavation of diversion channel
32	35/3	FS-1	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
33	35/3	FS-3	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
34	35/3	FS-4	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
35	35/3	FS-5	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
36	35/3	FS-6	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
37	35/3	FS-8	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
38	35/3	FS-9	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
39	35/3	FS-10	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
40	35/3	FS-13	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
41	35/3	FS-14	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.

Table 3-30: Detailed Information of Repair of Drainage & Flushing Sluices of Package-1

#	Type of HS	Package	Polder	Sluice Name	Status (Dropped/ Not Dropped)	LA Problem	LA - Current Status	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress June 2021)	Remarks
<b>Drainage Sluice</b>													
1	DS	1	35/1	DS-03	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
2	DS	1	35/1	DS-10	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
<b>Flushing Sluice</b>													
1	FS	1	32	FS-01	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
2	FS	1	32	FFDFB-01	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
3	FS	1	32	FFDFM-01	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
4	FS	1	32	FFDFR-01	Dropped							NA	No need to repair. (FFDFR-01)
5	FS	1	32	FM-08	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
6	FS	1	32	FS-04	Dropped							NA	Sluice not repairable.(FS-04)
7	FS	1	32	FM-09	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
8	FS	1	32	FM-10	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
9	FS	1	32	FM-12	Dropped							NA	No need to repair
10	FS	1	32	FM-01	Dropped							NA	No need to repair
11	FS	1	32	FM-02	Dropped							NA	Sluice is not used any more.
12	FS	1	32	FM-07	Dropped							NA	No to need repair, connected with private pond
13	FS	1	32	FM-11	Dropped							NA	No to need repair, connected with private pond
14	FS	1	32	FO-02	Dropped							NA	Abandoned as outside the retired embankment
15	FS	1	32	FO-03	Dropped							NA	No repair needed
16	FS	1	32	FO-04	Dropped							NA	Abandoned as outside the retired embankment
17	FS	1	32	FO-05	Dropped							NA	Abandoned as outside the retired embankment
18	FS	1	32	FO-06	Dropped							NA	Abandoned as outside the retired embankment
19	FS	1	32	FH-9	Dropped							NA	Engulfed by river erosion
20	FS	1	33	FS-02	Dropped							NA	Private structure, no repair needed
21	FS	1	33	FS-12	Dropped							NA	Private structure, no repair needed
22	FS	1	33	FS-13	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
23	FS	1	33	FS-15	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
24	FS	1	33	FS-16	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
25	FS	1	33	FS-18	Dropped							NA	Private structure, no repair needed
26	FS	1	35/1	FS-03	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
27	FS	1	35/1	FS-10	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
28	FS	1	35/1	FS-20	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
29	FS	1	35/3	FS-02	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.
30	FS	1	35/3	FS-07	Completed	N	NA	100%	100%	100%	100%	100%	Sluice in operation.

**Bangladesh Water Development Board (BWDB)**  
**Coastal Embankment Improvement Project, Phase-1 (CEIP-1)**

**Table 3-31: Detailed Information of Slope Protection Works of Package-1**

#	Polder #	Length (Km)	LA Problem	LA - Current Status	Status of Work	Starting Chainage (Km)	End Chainage (Km)	Mobilization	Production of CC Blocks	Placing of CC block	Other related work	Completed Length (km)	Status as of June 2021	Remarks
Package 1								3%	77%	7%	13%			
1	32	0.700	N	NA	Completed	4.80	5.50	100%	100%	100%	100%	0.700	100%	Work is Completed
2	32	0.600	N	NA	Completed	7.10	7.70	100%	100%	100%	100%	0.600	100%	Work is Completed
3	32	1.000	N	NA	Completed	9.00	10.00	100%	100%	100%	100%	1.000	100%	Work is Completed
4	32	1.000	N	NA	Completed	15.00	16.00	100%	100%	100%	100%	1.000	100%	Work is Completed
5	33	0.100	N	NA	Completed	28.50	28.60	100%	100%	100%	100%	0.100	100%	Work is Completed
6	33	2.199	N	NA	Completed	41.74	43.93	100%	100%	100%	100%	2.199	100%	Work is Completed
7	33	0.042	N	NA	Completed	44.03	44.07	100%	100%	100%	100%	0.042	100%	Work is Completed
8	33	0.110	N	NA	Completed	45.00	45.11	100%	100%	100%	100%	0.110	100%	Work is Completed
9	33	0.165	N	NA	Completed	45.30	45.47	100%	100%	100%	100%	0.165	100%	Work is Completed
9	33	0.100	N	NA	Completed	45.47	45.57	100%	100%	100%	100%	0.100	100%	Work is Completed
9	33	1.000	N	NA	Completed	45.60	46.60	100%	100%	100%	100%	1.000	100%	Work is Completed
9	33	0.300	N	NA	Completed	47.87	48.17	100%	100%	100%	100%	0.300	100%	Work is Completed
10	35/1	0.277	N	NA	Ongoing	2.02	2.30	100%	100%	90%	80%	0.150	96.70%	Work in progress
11	35/1	1.000	N	NA	Completed	2.30	3.30	100%	100%	100%	100%	1.000	100.00%	Work is Completed
12	35/1	0.773	N	NA	Ongoing	3.80	4.57	100%	100%	90%	90%	0.750	98.00%	Work in Progress
13	35/1	0.183	N	NA	Completed	5.12	5.30	100%	100%	100%	100%	0.183	100.00%	Work is Completed
14	35/1	0.267	N	NA	Completed	5.30	5.57	100%	100%	100%	100%	0.267	100.00%	Work is Completed
15	35/1	0.750	N	NA	Completed	8.00	8.75	100%	100%	100%	100%	0.750	100.00%	Work is Completed
16	35/1	0.500	N	NA	Ongoing	13.50	14.00	100%	100%	90%	90%	0.400	98.00%	Work in Progress
17	35/1	3.000	N	NA	Ongoing	14.00	17.00	100%	100%	90%	90%	2.270	98.00%	Work in Progress
18	35/1	3.000	N	NA	Completed	20.50	23.50	100%	100%	100%	100%	3.000	100.00%	Work is Completed
19	35/1	2.000	N	NA	Ongoing	23.50	25.50	100%	100%	30%	30%	0.017	86.00%	Work in Progress
20	35/3	0.700	N	NA	Completed	39.30	40.00	100%	100%	100%	100%	0.700	100.00%	Work is Completed
Total		19.766										16.803		

**Table 3-32: Detailed Information of Bank Protection Works of Package-1**

#	Polder	Length (Km)	Status of Work	Starting Chainage (Km)	End Chainage (Km)	Mobilization	Production of CC Blocks	Placing of CC block	Other related work	Completed Length (km)	Status as of June 2021	Remarks
Package 1						3%	83%	6%	8%			
1	32	0.750	Completed	20.493	21.243	100%	100%	100%	100%	0.750	100.00%	Completed
2	32	0.500	Completed	25.450	25.950	100%	100%	100%	100%	0.500	100.00%	Completed
3	32	0.750	Completed	48.824	49.574	100%	100%	100%	100%	0.750	100.00%	Completed
4	33	0.200	Completed	0.000	0.200	100%	100%	100%	100%	0.200	100.00%	Completed
5	33	0.400	Completed	0.990	1.390	100%	100%	100%	100%	0.400	100.00%	Completed
6	33	0.500	Completed	17.360	17.860	100%	100%	100%	100%	0.500	100.00%	Completed
7	33	0.200	Completed	21.680	21.880	100%	100%	100%	100%	0.200	100.00%	Completed
8	;35/1	0.300	Dropped	0.300	0.600	0%	0%	0%	0%	0.000	0.0%	Shifted 200m from total 300m to km 3.30 to km 3.60 which has now become km 3.30 to km 3.80. no work is required to the receiving 100m. Design and Drawing is approved by Team Leader, CEIP-1.
9	35/1	0.800	Completed	3.300	4.100	100%	100%	100%	100%	0.800	100.00%	Completed
10	35/3	0.15	Completed	36.220	36.370	100%	100%	100%	100%	0.150	100.00%	Completed
Total		4.250								4.250		

**Table 3-33: Detailed Information of Construction of Closure Dam of Package-1**

#	Sluice Closure Polder	Foundation Construction of the Closure	Closing of the Closure	Protection of the Closure	Weighted % progress (30 June, 2021.)	m	LA - Current Status	Remarks	
Closure Dam Construction									
1	Nalian Closure	32	100.00%	100%	100%	100.00%	N	NA	Work completed.

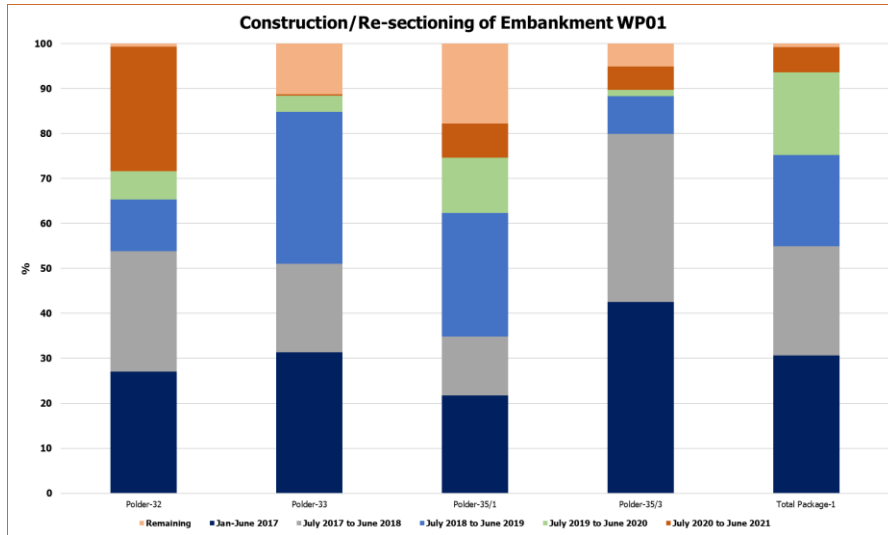


Figure 3-2: Construction/Re-sectioning of Embankment of Package-1

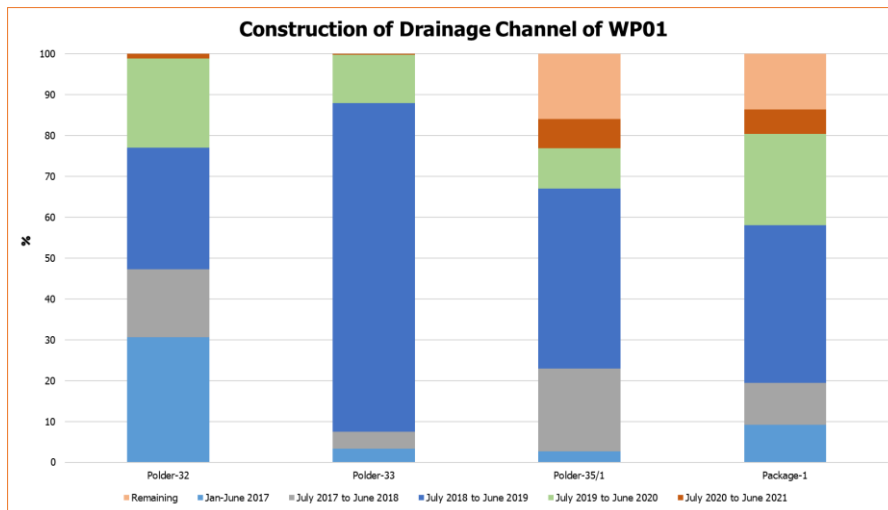


Figure 3-3: Drainage Channel of Package-1

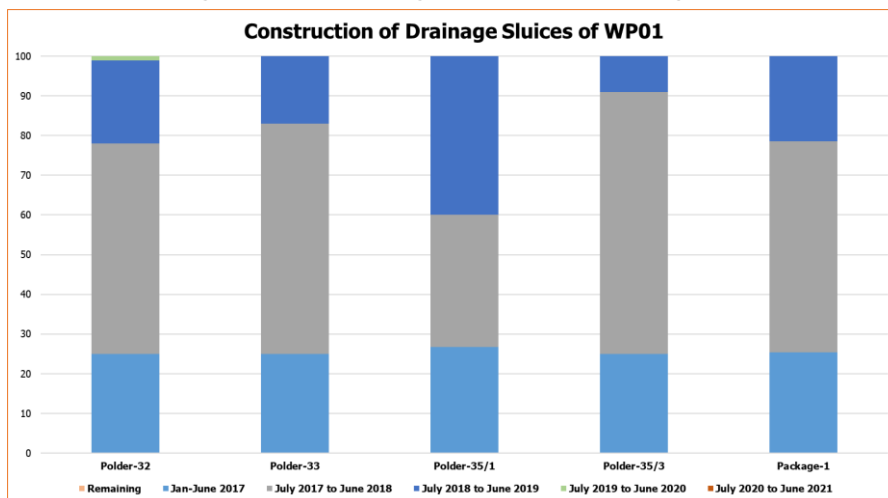


Figure 3-4: Construction of Drainage Sluices of Package-1

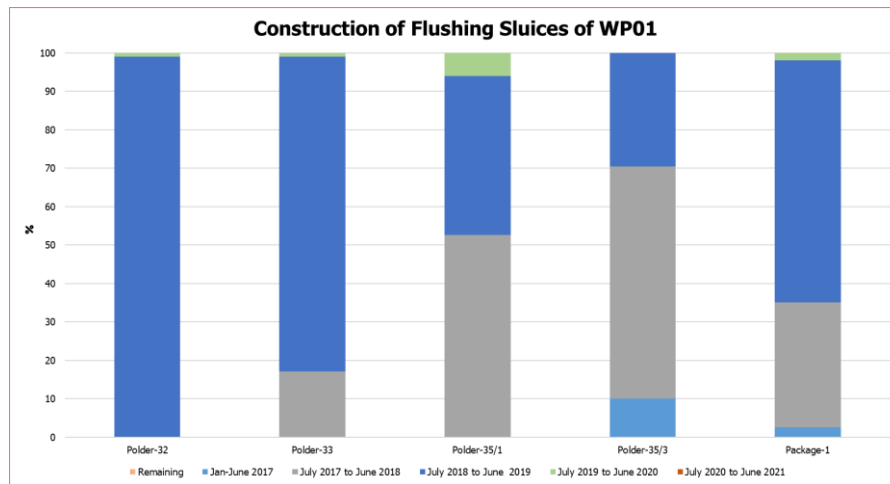


Figure 3-5: Construction of Flushing Sluice of Package-1

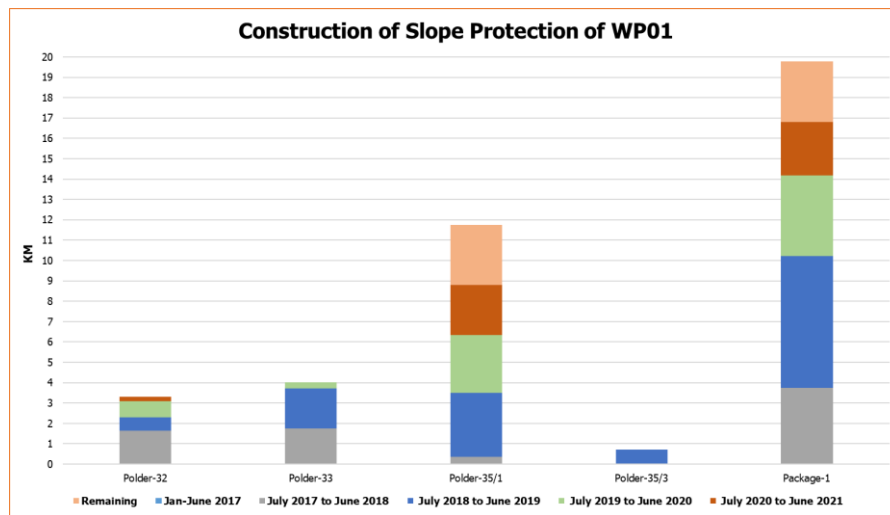


Figure 3-6: Construction of Slope Protection of Package-1

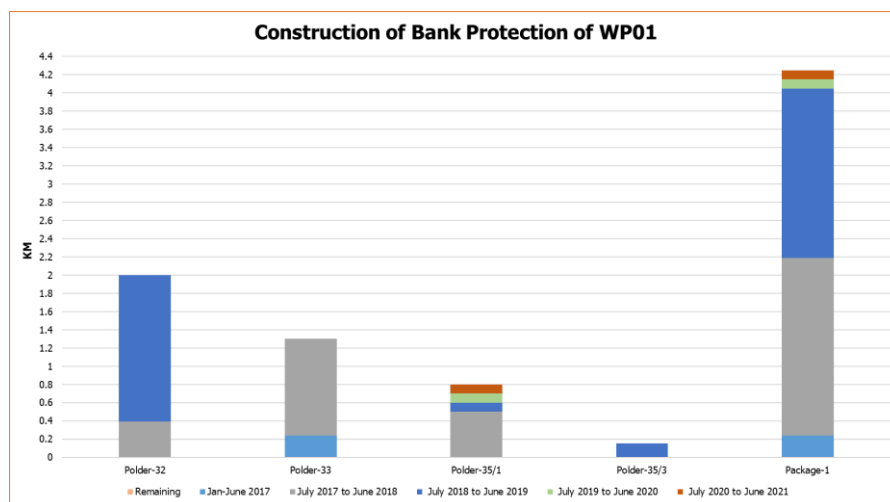


Figure 3-7: Construction of Bank Protection works of Package-1



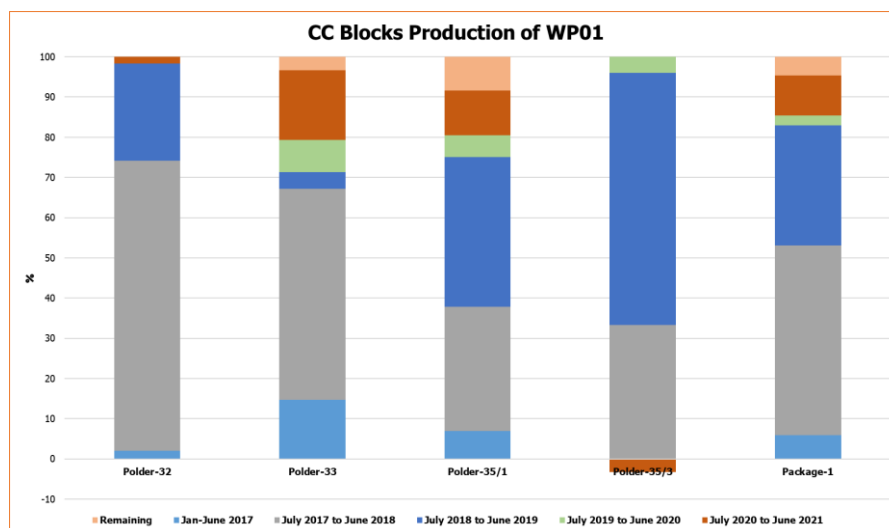


Figure 3-8: CC Blocks Production of Package-1

Table 3-34: CC Blocks Production as on June, 2021

S.N.	Polder Number	As per Requirement	Cumulative Total as of 31 May, 2021	Production during June 2021					Cumulative Total as of 30 June, 2021
				40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	Total (No)	
1	32	1,943,383	1,886,840	-3,963	91,872	-75	-31362	56,472	1,943,312
2	33	1,338,036	1,285,083	-2,153	74,292	-63,486	0	8,653	1,293,736
2	35/1	2,956,616	2,919,991	-18,552	-216,767	-13,712	39,352	-209,679	2,710,312
3	35/3	235,968	220,567	-604	25,250	-7,966	-9125	7,555	228,122
<b>Total =</b>		<b>6,474,003</b>	<b>6,312,481</b>	<b>-25,272</b>	<b>-25,353</b>	<b>-85,239</b>	<b>-1,135</b>	<b>-136,999</b>	<b>6,175,482</b>



Figure 3-9: Completed DS of Polder-32



Figure 3-10: Completed Slope Protection Works in Polder-32



Figure 3-11: Nalian Closure Dam of Polder-32 (completed)



Figure 3-12: Nalian Closure Dam of Polder-32 (completed)



Figure 3-13: Nalian Closure Dam of Polder-32



Figure 3-14: Completed DS-10 of Polder-33



Figure 3-15: DS-9 of Polder-33



Figure 3-16: DS-6 of Polder-35/3 (Completed)

Total nos. of Flushing sluice to be repaired as per contract was 30 nos. out of which 16 nos. has been dropped and those are reflected in detailed in Table 3-35 and Table 3-36 below.

Table 3-35: Information regarding Repair of Flushing Sluices and Drainage Sluices

SI No.	Name of Polder	Total Nos. as per Contract	Current Status	Total Dropped	Remarks
01.	Polder-32	20 nos.	6 Nos.	14 Nos.	Mostly fallen outside of the retired embankment.
02.	Polder-33	5 Nos.	3 Nos.	2 Nos.	As those were constructed by the local shrimp culture owners
03.	Polder-35/1	3 Nos.	3 Nos.	0	
04.	Polder-35/3	2 Nos.	2 Nos.	0	
<b>Total =</b>		<b>30 Nos.</b>	<b>14 Nos.</b>	<b>16 Nos.</b>	

Remaining (30-16) = 14 nos. of Flushing Sluices under repair were in the program, the works of which have already been completed. Total 2 nos. of Drainage Sluices under repair were in program, the work of which have already been completed.

Table 3-36: List of Flushing Sluices Dropped from the repairing Program

Flushing Sluices	Reasons for dropping
<b>Polder 32</b>	
FFDFR-01	Not repairable
FS-04	Not repairable
FM-01	Not repairable
FM-02	Sluice is now in no use.
FM-07	No need to repair, connected with the private pond.
FM-11	No need to repair, connected with the private pond.
FM-12	Sluice could not be identified.

Flushing Sluices	Reasons for dropping
FO-02	Outside the Rtd. Embankment
FO-03	Not repairable
FO-04	Outside the Rtd. Embankment
FO-05	Outside the Rtd. Embankment
FO-06	Outside the Rtd. Embankment
FH-09	Engulfed into the river due to river erosion.
FH-18	Private structure
<b>Polder 33</b>	
FS-02	Private structure, repair not needed.
FS-18	Private structure, repair not needed.

### 3.4.3 Staffing

In Table 3-37 below man power deployment for Contract Package-1 is listed and sample check has been done by the Consultants.

Table 3-37: List of Polder-wise Manpower Deployed to the Site of Package-1

Sl. No.	Description	Sub-Total		Khulna		Polder 32		Polder 33		Polder 35/1		Polder 35/3	
		Ex.	Lo.	Ex.	Lo.	Ex.	Lo.	Ex.	Lo.	Ex.	Lo.	Ex.	Lo.
1	Management	5	0	1	0	1	0	1	0	1	0	1	0
2	Technical Staff	14	58	7	8	2	10	1	10	4	20	0	10
3	Operator/Driver	3	45	0	4	0	6	0	5	3	30	0	0
4	Skilled Worker	7	53	2	0	1	0	0	10	4	38	0	5
5	Common Labor	0	40	0	0	0	10	0	0	0	30	0	0
6	Logistic	0	2	0	2	0	0	0	0	0	0	0	0
<b>Total</b>		<b>29</b>	<b>198</b>	<b>10</b>	<b>14</b>	<b>4</b>	<b>26</b>	<b>2</b>	<b>25</b>	<b>12</b>	<b>118</b>	<b>1</b>	<b>15</b>

Source by Contractor

### 3.4.4 Equipment Mobilization

The mobilisation of equipment for Package-1 is shown in the table below.

Table 3-38: List of Equipment

Name of Polder	Equipment required														Equipment already deployed									
	Buldozer/SF roller/Compactor (t/SHPT/ nos.)	Dum Truck and carry Scrapper	Excavator	Concrete Mix Machine	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader	Buldozer/SF roller/Compactor (t/SHPT/ nos.)	Dum Truck Carry Scrapper/Tractor carrier	Excavator	Concrete Mix Machine/Tram Mixer	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader
Polder- 32	6	23	13	6	4	1	2	2	1	1	6	3	1+2+0	15+5+38	9	6	4	1	2	0	1	1	2	3
Polder- 33	5	17	11	12	10	2	1	1	1	1	6	2	3+0+0	10+5+36	10	6	1	1	1	1	1	1	2	2
Polder- 35/3	5	16	9	7	5	1	1	1	1	1	4	6	6+2+0	12+5+22	11	7	6	1	1	1	1	1	2	6
Polder- 35/1	12	48	23	15	9	2	3	3	1	1	8	3	15+0+5	32+3+25	15	18	5	1	2	2	1	1	4	6
<b>Total</b>	<b>28</b>	<b>104</b>	<b>56</b>	<b>40</b>	<b>28</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>4</b>	<b>4</b>	<b>24</b>	<b>14</b>	<b>25+4+5=34</b>	<b>63+18+121=202</b>	<b>45</b>	<b>37</b>	<b>16</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>10</b>	<b>17</b>

### 3.4.5 Finances of Contractor Package-1

Revised Tentative Forecast of Payment for FY 2020-21 for Package-W/-01 is reflected in Table 3-40.

Table 3-39: Revised Tentative forecast of Payment for FY 2020-21 of Package-1

IPC No.	Month of Submission	Forecast Value of IPC in BDT	Remark
IPC No.24	March ,2021	176,500,000.00	IPC No. 24 was submitted by the Contractor with a value of BDT 167,609,885.85, which was reviewed by the Consultants and sent to PMU with recommendation for payment on 24 May, 2021.
IPC No.25	April,2021	250,000,000.00	IPC No.25 has been submitted by the Contractor during the month of June 2021 (Refund of retention money) with a value of BDT 67,771,126.53 which has been reviewed by the Consultants and sent to PMU with recommendation for payment.

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<b>IPC No.</b>	<b>Month of Submission</b>	<b>Forecast Value of IPC in BDT</b>	<b>Remark</b>
IPC No.26	May,,2021	300,000,000.00	IPC No.26 has been submitted by the Contractor during the month of June 2021 with a value of BDT 198,279,610.38 which has been reviewed by the Consultants and sent to PMU with recommendation for payment.
IPC No. 27	June,2021	300,960.000.00	IPC No.27 has been submitted by the Contractor which is under review by the Consultants.
<b>Total=</b>		<b>1,027,460,000.00</b>	

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Figure 3-17: Revised S-Curve of Package-1

### 3.4.6 Emergency Works in Package-CEIP-1/W-01

The emergency works under this Package have taken up to close the breaching of existing embankment at some vulnerable locations. The main target of these emergency works was to stop the intrusion of saline water into the Polders to save the crops. In the Contract, there was a provision for an amount under Environmental Mitigation Works (Specified Provisional Sum). After exhaustion of the above-mentioned amount to meet up the cost of the rest emergency works, the expenditures are being meet up from the Physical & Price Contingencies. The status of expenditure up to June, 2021 are shown below.

Table 3-40: Summary of Emergency works under the head of "Environmental Mitigation Works"

SI.	Name of Polder	Total Length	Total Cost Estimate (BDT)
01	Polder-32	4.187	21,314,699
02	Polder-33	1.454	8,616,598
03	Polder-35/1	0.941	7,981,316
04	Polder-35/3	1.04	2,078,530
<b>Total =</b>		<b>7.622</b>	<b>39,991,142</b>

❖ Total available budget as per contract: BDT: 40,000,000

Table 3-41: Summary of Emergency works under the head of "Physical & Price Contingency"

SI. No.	Name of Polder	Total Length	Total Cost Estimate (BDT)
01	Polder-32	5.723	33,140,046
02	Polder-33	1.671	13,399,272
03	Polder-35/1	3.216	32,609,736
04	Polder-35/3	2.919	8,887,288
<b>Total =</b>		<b>13.529</b>	<b>88,036,342</b>

❖ Total available budget for Physical & Price Contingency as per contract is BDT: 300,000,000

Table 3-42: Details of Emergency Works under the head of "Environmental Mitigation Works"

Sl. No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of locations	Engineer Approved Date	Estimated Cost in BDT	Head of Expenditure	FY Year
1.	Polder-32	18.840	19.960	1.120	Hatkhola	3-Mar-16	817,000.00	Environmental Mitigation Works	FY 2015-16
2.	Polder-32	7.561	7.991	0.430	Kalibari	14-Mar-16	1,307,000.00	Environmental Mitigation Works	FY 2015-16
3.	Polder-32	8.161	8.350	0.189	Kalibari	14-Mar-16	614,000.00	Environmental Mitigation Works	FY 2015-16
4.	Polder-32	8.491	8.628	0.137	Kalibari	14-Mar-16	1,009,000.00	Environmental Mitigation Works	FY 2015-16
5.	Polder-32	2.883	3.144	0.261	Gunari of Sutarkhali	20-Mar-16	972,969.00	Environmental Mitigation Works	FY 2015-16
6.	Polder-32	44.561	44.931	0.370	Sutarkhali	20-Mar-16	1,039,924.00	Environmental Mitigation Works	FY 2015-16
7.	Polder-32	12.393	12.693	0.300	Jaynagar	23-Mar-16	1,027,000.00	Environmental Mitigation Works	FY 2015-16
8.	Polder-32	16.680	16.900	0.220	Jhaliakhali of Kamarkhola	23-Mar-16	608,000.00	Environmental Mitigation Works	FY 2015-16
9.	Polder-32	18.575	18.690	0.115	Hatkhola	20-Apr-16	817,000.00	Environmental Mitigation Works	FY 2015-16
10.	Polder-32	8.140	8.217	0.077	Kalibari	22-Jan-17	256,000.00	Environmental Mitigation Works	FY 2016-17
11.	Polder-32	45.062	45.100	0.038	Shibsha River	27-Mar-17	631,551.00	Environmental Mitigation Works	FY 2016-17
12.	Polder-32	8.164	8.292	0.128	Sutarkhali	16-Apr-17	811,931.00	Environmental Mitigation Works	FY 2016-17
13.	Polder-32	19.179	19.236	0.057	Kamarkhola	24-Apr-17	460,436.32	Environmental Mitigation Works	FY 2016-17
14.	Polder-32	36.155	36.232	0.077	Sutarkhali	24-Apr-17	337,118.92	Environmental Mitigation Works	FY 2016-17
15.	Polder-32	43.118	43.147	0.029	Sutarkhali	24-Apr-17	103,342.00	Environmental Mitigation Works	FY 2016-17
16.	Polder-32	7.681	7.981	0.300	Sutarkhali	7-May-17	1,433,223.43	Environmental Mitigation Works	FY 2016-17

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Sl. No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of locations	Engineer Approved Date	Estimated Cost in BDT	Head of Expenditure	FY Year
17.	Polder-32	44.907	44.935	0.028	Sutarkhali	11-May-17	108,959.00	Environmental Mitigation Works	FY 2016-17
18.	Polder-32	8.566	8.649	0.083	Sutarkhali	16-May-17	619,153.00	Environmental Mitigation Works	FY 2016-17
19.	Polder-32	8.030	8.160	0.130	Sutarkhali	5-Jun-17	639,091.00	Environmental Mitigation Works	FY 2016-17
20.	Polder-32	30.050	30.148	0.098	Sutarkhali	22-Jun-17	7,702,000.00	Environmental Mitigation Works	FY 2016-17
21.	Polder-33	17.447	17.547	0.100	Ramnagar	19-Jan-16	3,601,000.00	Environmental Mitigation Works	FY 2015-16
22.	Polder-33	48.800	48.875	0.075	Banisanta	15-Mar-16	1,175,520.00	Environmental Mitigation Works	FY 2016-17
23.	Polder-33	1.190	1.432	0.242	Banisanta	25-Mar-16	456,000.00	Environmental Mitigation Works	FY 2015-16
24.	Polder-33	0.130	0.280	0.150	Banisanta	2-Jun-16	386,000.00	Environmental Mitigation Works	FY 2015-16
25.	Polder-33	0.600	1.300	0.700	Banisanta	2-Jun-16	1,159,000.00	Environmental Mitigation Works	FY 2015-16
26.	Polder-33	48.800	48.875	0.075	Banisanta	15-Mar-17	1,175,520.00	Environmental Mitigation Works	FY 2016-17
27.	Polder-33	1.220	1.332	0.112	Baniashanta	25-May-17	663,558.00	Environmental Mitigation Works	FY 2016-17
28.	Polder-35/1	63.050	63.106	0.056	Morelgonj	1-Mar-16	1,317,000.00	Environmental Mitigation Works	FY 2015-16
29.	Polder-35/1	63.112	63.128	0.016	Same as 63.050 to 63.106	1-Mar-16	0.00	Environmental Mitigation Works	FY 2015-16
30.	Polder-35/1	20.082	20.163	0.081	Sarankhola	1-Apr-16	100,000.00	Environmental Mitigation Works	FY 2015-16
31.	Polder-35/1	24.430	24.500	0.070	Sarankhola	23-Apr-17	1,793,272.30	Environmental Mitigation Works	FY 2016-17
32.	Polder-35/1	2.100	2.466	0.366	Baleswar	8-May-17	609,128.55	Environmental Mitigation Works	FY 2016-17



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Sl. No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of locations	Engineer Approved Date	Estimated Cost in BDT	Head of Expenditure	FY Year
33.	Polder-35/1	24.673	24.864	0.191	Bogi	19-Jun-17	2,080,957.39	Environmental Mitigation Works	FY 2016-17
34.	Polder-35/1	24.703	24.864	0.161	Southkhali	21-Jun-17	2,080,957.39	Environmental Mitigation Works	FY 2016-17
35.	Polder-35/3	7.176	7.905	0.729	Panchamala of Dema	22-Mar-16	533,000.00	Environmental Mitigation Works	FY 2016-17
36.	Polder-35/3	9.558	9.597	0.039	Panchamala of Dema	22-Mar-16	23,000.00	Environmental Mitigation Works	FY 2016-17
37.	Polder-35/3	9.815	9.887	0.072	Panchamala of Dema	22-Mar-16	34,000.00	Environmental Mitigation Works	FY 2016-17
38.	Polder-35/3	29.865	29.965	0.100	Radhaballab	27-Mar-16	1,070,000.00	Environmental Mitigation Works	FY 2015-16
39.	Polder-35/3	3.394	3.494	0.100	MollikerBer	27-Apr-17	418,530.02	Environmental Mitigation Works	FY 2016-17
<b>Total</b>				<b>7.662</b>			<b>39,991,142</b>		

Table 3-43: Detailed of Emergency Works under the head of “Physical & Price Contingencies”

Sl.No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of locations	Engineer Approved Date	Estimated Cost in BDT	Head of Expenditure	FY Year
1.	Polder-32	2.805	2.850	0.045	Gunari of Sutharkhali	7-Jun-18	287,852.00	Physical & Price Contingency	FY 2017-18
2.	Polder-32	2.765	2.858	0.093	Gunari of Sutharkhali	1-Aug-18	474,946.00	Physical & Price Contingency	FY 2018-19
3.	Polder-32	3.093	3.633	0.540	Gunari of Sutharkhali	2-Aug-16	277,000.00	Physical & Price Contingency	FY 2016-17
4.	Polder-32	3.130	3.180	0.050	Gunari of Sutharkhali	11-Sep-17	317,883.95	Physical & Price Contingency	FY 2017-18
5.	Polder-32	3.103	3.241	0.138	Gunari of Sutharkhali	31-Oct-16	593,800.00	Physical & Price Contingency	FY 2016-17
6.	Polder-32	8.060	8.100	0.040	Kalibari	18-Nov-17	77,000.00	Physical & Price Contingency	FY 2018-19
7.	Polder-32	8.321	8.414	0.093	Kalibari	1-May-17	530,000.00	Physical & Price Contingency	FY 2017-18
8.	Polder-32	8.350	8.385	0.035	Kalibari	1-Dec-16	60,000.00	Physical & Price Contingency	FY 2016-17
9.	Polder-32	8.586	8.729	0.143	Kamarkhola	27-Aug-17	922,055.59	Physical & Price Contingency	FY 2017-18
10.	Polder-32	8.600	8.670	0.070	Kalibari	26-Jun-17	150,000.00	Physical & Price Contingency	FY 2017-18
11.	Polder-32	8.650	8.713	0.063	Kamarkhola	6-Jul-17	113,492.00	Physical & Price Contingency	FY 2017-18
12.	Polder-32	13.604	13.644	0.040	Sutarkhali	21-Aug-17	311,091.06	Physical & Price Contingency	FY 2017-18
13.	Polder-32	16.078	16.326	0.248	Jhaliakhali of Kamarkhola	25-Jul-17	1,181,802.00	Physical & Price Contingency	FY 2017-18
14.	Polder-32	16.030	16.300	0.270	Jhaliakhali of Kamarkhola	25-Mar-18	1,033,085.00	Physical & Price Contingency	FY 2017-18
15.	Polder-32	16.078	16.326	0.248	Jhaliakhali of Kamarkhola	28-Sep-17	1,154,217.71	Physical & Price Contingency	FY 2017-18
16.	Polder-32	16.135	16.395	0.260	Jhaliakhali of Kamarkhola	5-Jun-18	1,712,969.00	Physical & Price Contingency	FY 2017-18
17.	Polder-32	16.240	16.300	0.060	Jhaliakhali of Kamarkhola	25-May-18	30,358.00	Physical & Price Contingency	FY 2017-18
18.	Polder-32	16.298	16.525	0.227	Jaliakhali	7-May-16	1,200,000.00	Physical & Price Contingency	FY 2017-18
19.	Polder-32	16.325	16.398	0.073	Jaliakhali	18-Oct-18	706,605.00	Physical & Price Contingency	FY 2018-19
20.	Polder-32	16.514	16.639	0.125	Same amount of Ch. 16.325 to Km 16.398	18-Oct-18	0.00	Physical & Price Contingency	FY 2018-19
21.	Polder-32	16.400	16.445	0.045	Jhaliakhali of Kamarkhola	1-Aug-18	258,751.00	Physical & Price Contingency	FY 2018-19
22.	Polder-32	16.504	16.592	0.088	Jhaliakhali of Kamarkhola	4-Jun-18	539,967.00	Physical & Price Contingency	FY 2017-18

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Sl.No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of locations	Engineer Approved Date	Estimated Cost in BDT	Head of Expenditure	FY Year
23.	Polder-32	18.787	19.117	0.330	Hatkhola	3-May-20	1,928,199.75	Physical & Price Contingency	FY 2019-20
24.	Polder-32	19.150	19.225	0.075	Kamarkhola	5-Apr-17	40,000.00	Physical & Price Contingency	FY 2017-18
25.	Polder-32	19.165	19.265	0.100	Kamarkhola	2-Aug-16	625,000.00	Physical & Price Contingency	FY 2017-18
26.	Polder-32	19.141	19.277	0.136	Kamarkhola	22-Aug-17	122,307.32	Physical & Price Contingency	FY 2017-18
27.	Polder-32	24.759	24.859	0.100	Sharankhola	14-Nov-16	1,859,614.00	Physical & Price Contingency	FY 2017-18
28.	Polder-32	25.659	25.719	0.060	Kamarkhola	17-Nov-16	415,302.00	Physical & Price Contingency	FY 2016-17
29.	Polder-32	30.568	30.618	0.050	Sutarkhali	18-Oct-18	90,967.00	Physical & Price Contingency	FY 2018-19
30.	Polder-32	30.890	31.082	0.192	Sutarkhali	7-May-20	1,132,902.26	Physical & Price Contingency	FY 2019-20
31.	Polder-32	30.905	31.070	0.165	Sutarkhali	1-Oct-19	1,153,060.25	Physical & Price Contingency	FY 2019-20
32.	Polder-32	31.345	31.387	0.042	Sutarkhali	27-Apr-17	84,867.18	Physical & Price Contingency	FY 2017-18
33.	Polder-32	36.179	36.268	0.089	Sutarkhali	22-Jun-17	164,657.00	Physical & Price Contingency	FY 2016-17
34.	Polder-32	36.317	36.365	0.048	Sutarkhali	1-Aug-18	307,884.00	Physical & Price Contingency	FY 2018-19
35.	Polder-32	36.225	36.341	0.116	Sutarkhali	11-Aug-18	150,000.00	Physical & Price Contingency	FY 2017-18
36.	Polder-32	41.570	41.620	0.050	Sutarkhali	22-May-18	468,884.00	Physical & Price Contingency	FY 2017-18
37.	Polder-32	43.005	43.110	0.105	Thursday Bazar, Sutarkhali	9-Mar-21	6,202,295.02	Physical & Price Contingency	FY 2020-21
38.	Polder-32	43.115	43.155	0.040	Thursday Bazar, Sutarkhali	1-Aug-18	129,624.00	Physical & Price Contingency	FY 2018-19
39.	Polder-32	44.900	45.120	0.220	Sutarkhali	20-Aug-18	508,047.00	Physical & Price Contingency	FY 2018-19
40.	Polder-32	44.957	45.083	0.126	Kalabogi	1-May-16	926,000.00	Physical & Price Contingency	FY 2018-19
41.	Polder-32	44.575	44.826	0.251	Kalabogi	23-Jun-19	1,663,527.00	Physical & Price Contingency	FY 2018-19
42.	Polder-32	45.506	45.518	0.012	Kalabogi	10-May-17	32,000.00	Physical & Price Contingency	FY 2017-18
43.	Polder-32	45.620	45.860	0.240	Kalabogi	7-May-20	1,863,723.28	Physical & Price Contingency	FY 2019-20
44.	Polder-32	45.549	45.731	0.182	Sutarkhali	12-Jul-17	1,338,310.00	Physical & Price Contingency	FY 2017-18
45.	Polder-33	1.086	1.127	0.041	Banishanta	19-Sep-17	432,185.30	Physical & Price Contingency	FY 2017-18
46.	Polder-33	1.155	1.184	0.029	Same as 1.086 to 1.127	19-Sep-17	0.00	Physical & Price Contingency	FY 2017-18
47.	Polder-33	0.005	0.060	0.055	Banishanta	1-Jun-17	344,069.00	Physical & Price Contingency	FY 2016-17
48.	Polder-33	1.070	1.116	0.046	Dhangmari	25-May-17	31,798.00	Physical & Price Contingency	FY 2017-18
49.	Polder-33	1.200	1.242	0.042	Baniashanta	20-Aug-18	294,835.00	Physical & Price Contingency	FY 2018-19

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Sl.No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of locations	Engineer Approved Date	Estimated Cost in BDT	Head of Expenditure	FY Year
50.	Polder-33	0.235	0.280	0.045	Baniashanta	13-Aug-18	416,831.00	Physical & Price Contingency	FY 2018-19
51.	Polder-33	17.465	17.595	0.130	Ramnagar	1-Aug-16	865,000.00	Physical & Price Contingency	FY 2016-17
52.	Polder-33	21.730	21.800	0.070	Dacope	11-Aug-18	464,469.00	Physical & Price Contingency	FY 2018-19
53.	Polder-33	48.575	48.658	0.083	Banishanta	16-Aug-16	594,000.00	Physical & Price Contingency	FY 2017-18
54.	Polder-33	48.653	48.741	0.088	Banisanta	13-Aug-18	1,672,456.00	Physical & Price Contingency	FY 2018-19
55.	Polder-33	48.767	48.836	0.069	Same amount of Ch. 48.653 to 48.741	13-Aug-18	0.00	Physical & Price Contingency	FY 2018-19
56.	Polder-33	48.892	48.972	0.080	Banisanta	11-Sep-18	497,585.00	Physical & Price Contingency	FY 2018-19
57.	Polder-33	48.850	49.100	0.250	Banisanta	16-May-18	2,480,308.98	Physical & Price Contingency	FY 2017-18
58.	Polder-33	48.866	49.020	0.154	Banisanta	22-Jul-19	1,456,203.79	Physical & Price Contingency	FY 2019-20
59.	Polder-33	48.868	49.087	0.219	Banisanta	1-Aug-18	1,097,128.00	Physical & Price Contingency	FY 2018-19
60.	Polder-33	48.930	49.050	0.120	Banisanta	24-Aug-16	1,780,283.00	Physical & Price Contingency	FY 2016-17
61.	Polder-33	49.000	49.045	0.045	Banisanta	10-Oct-17	324,000.00	Physical & Price Contingency	FY 2018-19
62.	Polder-33	49.022	49.099	0.077	Banisanta	11-Oct-17	337,240.00	Physical & Price Contingency	FY 2018-19
63.	Polder-33	49.047	49.075	0.028	Banisanta	21-Sep-17	310,880.00	Physical & Price Contingency	FY 2018-19
64.	Polder-35/1	20.020	20.308	0.288	Sarankhola	1-Jul-16	2,800,000.00	Physical & Price Contingency	FY 2017-18
65.	Polder-35/1	23.812	24.014	0.202	Southkhali	24-Apr-18	394,032.65	Physical & Price Contingency	FY 2017-18
66.	Polder-35/1	23.750	23.910	0.160	Bagi	28-Jul-19	3,088,391.80	Physical & Price Contingency	FY 2019-20
67.	Polder-35/1	23.788	23.823	0.035	Southkhali	10-Jan-18	290,938.46	Physical & Price Contingency	FY 2018-19
68.	Polder-35/1	23.967	25.190	1.223	Southkhali	11-Jul-19	5,466,200.55	Physical & Price Contingency	FY 2019-20
69.	Polder-35/1	23.988	24.028	0.040	Sarankhola	24-May-18	355,507.00	Physical & Price Contingency	FY 2018-19
70.	Polder-35/1	23.988	24.028	0.040	Sarankhola	10-Jan-19	257,635.10	Physical & Price Contingency	FY 2018-19
71.	Polder-35/1	24.094	24.154	0.060	Sarankhola	10-Jan-19	535,364.22	Physical & Price Contingency	FY 2018-19
72.	Polder-35/1	24.252	24.329	0.077	Southkhali	29-Jul-18	1,961,705.54	Physical & Price Contingency	FY 2018-19
73.	Polder-35/1	24.273	24.340	0.067	Southkhali	27-Nov-17	1,370,419.82	Physical & Price Contingency	FY 2017-18
74.	Polder-35/1	24.400	24.457	0.057	Sarankhola	1-Aug-16	812,000.00	Physical & Price Contingency	FY 2016-17
75.	Polder-35/1	24.366	24.454	0.088	Bagi	30-Oct-17	1,372,087.83	Physical & Price Contingency	FY 2017-18

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Sl.No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of locations	Engineer Approved Date	Estimated Cost in BDT	Head of Expenditure	FY Year
76.	Polder-35/1	24.475	24.537	0.062	Bagi	19-Sep-17	761,484.52	Physical & Price Contingency	FY 2016-17
77.	Polder-35/1	24.525	24.605	0.080	Bagi	9-May-18	1,539,821.57	Physical & Price Contingency	FY 2017-18
78.	Polder-35/1	24.594	24.666	0.072	Bagi	30-Oct-17	1,352,571.65	Physical & Price Contingency	FY 2017-18
79.	Polder-35/1	24.815	24.913	0.098	Sarankhola	12-Mar-19	2,355,290.74	Physical & Price Contingency	FY 2018-19
80.	Polder-35/1	24.528	24.598	0.070	Sarankhola	12-Mar-19	445,810.12	Physical & Price Contingency	FY 2018-19
81.	Polder-35/1	24.164	24.251	0.087	Sarankhola	16-May-18	1,847,015.74	Physical & Price Contingency	FY 2017-18
82.	Polder-35/1	23.788	23.833	0.045	Sarankhola		535,205.00	Physical & Price Contingency	FY 2018-19
83.	Polder-35/1	24.590	24.765	0.175	Southkhali	12-Sep-18	2,063,945.09	Physical & Price Contingency	FY 2018-19
84.	Polder-35/1	24.759	24.859	0.100	Southkhali	30-Nov-17	1,801,033.32	Physical & Price Contingency	FY 2017-18
85.	Polder-35/1	24.865	24.955	0.090	Southkhali	3-Dec-17	1,203,275.08	Physical & Price Contingency	FY 2017-18
86.	Polder-35/3	0.127	0.168	0.041	MollikerBer	27-Jul-16	550,000.00	Physical & Price Contingency	FY 2016-17
87.	Polder-35/3	0.130	0.170	0.040	MollikerBer	7-May-17	287,000.00	Physical & Price Contingency	FY 2017-18
88.	Polder-35/3	2.826	2.948	0.122	MollikerBer	27-Apr-17	408,850.00	Physical & Price Contingency	FY 2017-18
89.	Polder-35/3	5.500	5.570	0.070	Basbaria	25-Jul-17	20,270.00	Physical & Price Contingency	FY 2018-19
90.	Polder-35/3	7.000	7.007	0.007	Panchamala of Dema	5-Jul-17	14,000.00	Physical & Price Contingency	FY 2018-19
91.	Polder-35/3	9.867	9.917	0.050	MollikerBer	22-Mar-16	26,000.00	Physical & Price Contingency	FY 2016-17
92.	Polder-35/3	9.873	10.083	0.210	Panchamala of Dema	23-Jul-18	1,635,916.00	Physical & Price Contingency	FY 2018-19
93.	Polder-35/3	9.900	10.050	0.150	Dema	7-May-17	1,046,761.94	Physical & Price Contingency	FY 2016-17
94.	Polder-35/3	10.000	10.040	0.040	Panchamala of Dema	19-Jul-17	45,269.00	Physical & Price Contingency	FY 2017-18
95.	Polder-35/3	10.040	10.085	0.045	Panchamala of Dema	18-Jul-17	51,276.00	Physical & Price Contingency	FY 2017-18
96.	Polder-35/3	10.085	10.120	0.035	Panchamala of Dema	19-Aug-17	39,819.00	Physical & Price Contingency	FY 2018-19
97.	Polder-35/3	10.120	10.160	0.040	Panchamala of Dema	20-Aug-17	45,269.00	Physical & Price Contingency	FY 2018-19
98.	Polder-35/3	13.055	13.155	0.100	Radhabollov of Karapara	23-Jul-18	1,564,711.00	Physical & Price Contingency	FY 2018-19
99.	Polder-35/3	13.283	13.315	0.032	Same amount of ch. 13.055 to 13.155	23-Jul-18		Physical & Price Contingency	FY 2018-19

**Bangladesh Water Development Board (BWDB)**  
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Sl.No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of locations	Engineer Approved Date	Estimated Cost in BDT	Head of Expenditure	FY Year
100.	Polder-35/3	13.345	13.400	0.055	Same amount of ch. 13.055 to 13.155	23-Jul-18		Physical & Price Contingency	FY 2018-19
101.	Polder-35/3	13.209	13.242	0.033	Radhaballab	8-Oct-16	445,000.00	Physical & Price Contingency	FY 2017-18
102.	Polder-35/3	13.343	13.366	0.023	Same as 13.209 to 13.242	8-Oct-16		Physical & Price Contingency	FY 2017-18
103.	Polder-35/3	13.483	13.510	0.027	Same as 13.209 to 13.242	8-Oct-16		Physical & Price Contingency	FY 2017-18
104.	Polder-35/3	13.110	13.148	0.038	Radhabollov	3-Jun-17	379,048.09	Physical & Price Contingency	FY 2016-17
105.	Polder-35/3	13.569	13.602	0.033	Same as 13.110 to 13.148	3-Jun-17	0.00	Physical & Price Contingency	FY 2016-17
106.	Polder-35/3	13.350	13.387	0.037	Bagerhat	18-Sep-17	268,708.79	Physical & Price Contingency	FY 2017-18
107.	Polder-35/3	13.067	13.187	0.120	Radhaballab	27-Mar-16	1,120,000.00	Physical & Price Contingency	FY 2015-16
108.	Polder-35/3	13.573	13.610	0.037	Radhaballab	27-Mar-16	123,000.00	Physical & Price Contingency	FY 2015-16
109.	Polder-35/3	29.600	29.700	0.100	Khagraghat	26-Aug-17	40,395.00	Physical & Price Contingency	FY 2018-19
110.	Polder-35/3	29.800	29.950	0.150	Same as Ch. 29.600 to 29.700	26-Aug-17		Physical & Price Contingency	FY 2018-19
111.	Polder-35/3	30.000	30.070	0.070	Rampal	12-Jun-17	17,000.00	Physical & Price Contingency	FY 2017-18
112.	Polder-35/3	33.050	33.090	0.040	Betbunia	17-Dec-19	486,087.03	Physical & Price Contingency	FY 2019-20
113.	Polder-35/3	36.625	36.665	0.040	Rampal	31-Aug-16		Physical & Price Contingency	FY 2016-17
114.	Polder-35/3	37.130	37.325	0.195	MollikerBer	19-Jul-17	30,064.00	Physical & Price Contingency	FY 2018-19
115.	Polder-35/3	37.500	37.550	0.050	Rampal	17-Jul-17	9,543.00	Physical & Price Contingency	FY 2017-18
116.	Polder-35/3	37.624	37.774	0.150	MollikerBer	17-Jul-17	34,000.00	Physical & Price Contingency	FY 2017-18
117.	Polder-35/3	38.585	38.904	0.319	MollikerBer	28-Aug-16	158,010.00	Physical & Price Contingency	FY 2016-17
118.	Polder-35/3	38.560	38.980	0.420	MollikerBer	20-Jul-17	41,290.00	Physical & Price Contingency	FY 2017-18
<b>Total</b>				<b>13.53</b>			<b>88,036,342</b>		

### 3.5 Task C: Supervise Construction & Administer Contract of Package-2

#### 3.5.1 Introduction

The MPR covers all major site activities executed in each of the six Polders up to 30<sup>th</sup> June, 2021. The Contract was signed on 8<sup>th</sup> March 2017 for the execution of Rehabilitation/Reconstruction and upgrading of six (6) Polders in total, namely Polder 39/2C, 40/2, 41/1, 43/2C, 47/2 and Polder 48 under CEIP-1 (Contract No: CEIP-1/W-02).

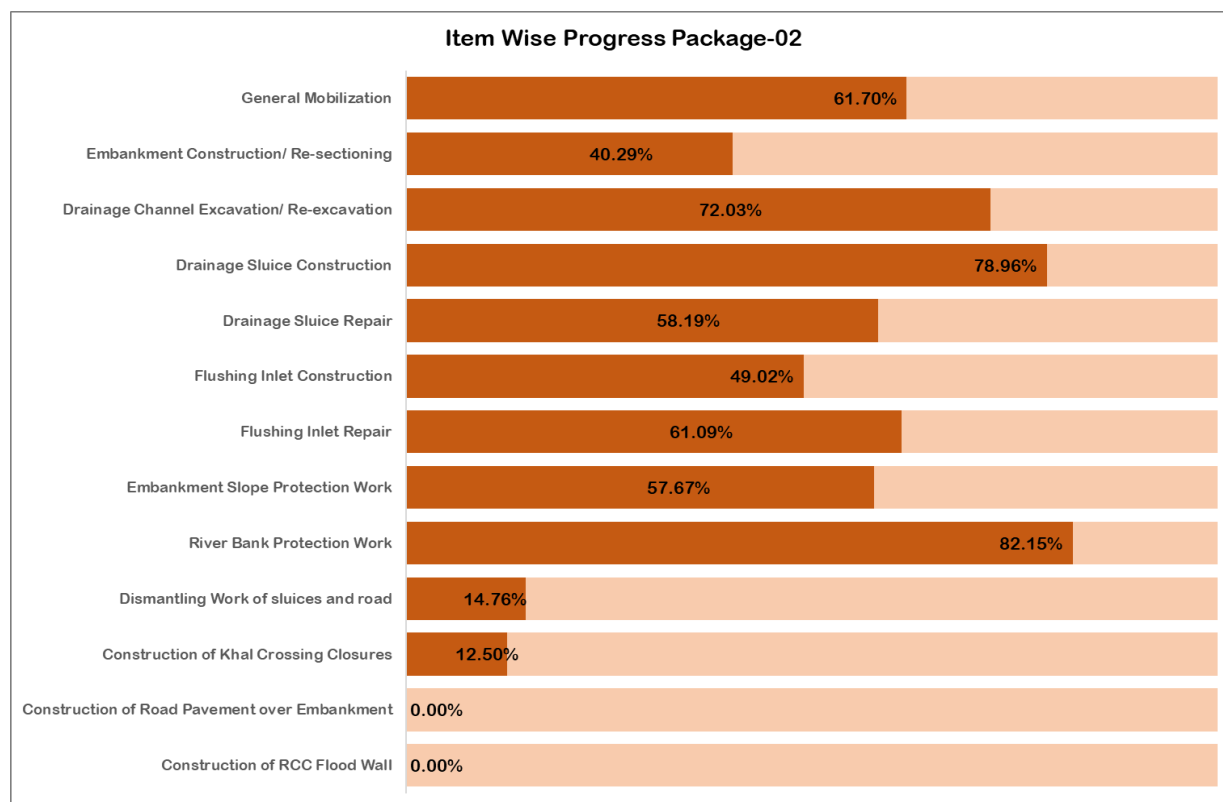


Figure 3-18: Item Wise Progress of Package-2

### 3.5.2 Physical Progress (Mile Stone Matrix)

Table 3-44: Physical Works Status of Package-02 as on June, 2021

Item	Unit	RF Target	Revised Quantity	Tentative Program FY 2020-2021		Cumulative upto June 202020		Cumulative upto 31 May 2021		Current Month		Cumulative upto 30 June 2021		Cumulative During FY 2020-21	
				Full	Part	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed
1	2	3	4	5	6	7	8	9	10	11=(13-9)	12	13	14	15=(13-7)	16
General Mobilization	LS	-	-	-	0	55.73%		60.32%		1.38%		61.70%		5.97%	
Embankment Construction/Re-sectioning	Km	208.051	208.101	66.13	0	36.11	21.12	62.379	17.537	0.000	18.447	62.379	18.447	26.27	18.447
						23.16%		37.15%		3.14%		40.29%		17.14%	
Drainage Channel Excavation/Re-excavation	Km	154.630	154.931	74.00	0	25.981	0	76.708	0.000	1.950	0.000	78.658	0	52.68	0.00
						29.25%		71.95%		0.08%		72.03%		42.78%	
Drainage Sluice Construction	No.	50	51	42	0	0	35	4	39	14	25	18	25	18	25
						59.26%		77.29%		1.67%		78.96%		19.70%	
Drainage Sluice Repair	No.	6	6	6	0	0	2	0	2	0	2	0	2	0	2
						33.19%		58.03%		0.16%		58.19%		25.00%	
Flushing Inlet Construction	No.	50	51	39	0	0	21	2	22	10	12	12	12	12	12
						38.09%		48.48%		0.54%		49.02%		10.93%	
Flushing Inlet Repair	No.	30	32	22	0	1	9	1	16	0	17	1	17	0	17
						32.21%		60.85%		0.24%		61.09%		28.87%	
Embankment Slope Protection Work	Km	9.480	9.476	6.397	0	0.75	-	1.400	-	0.300	-	1.700	-	0.950	0.00
						40.57%		56.21%		1.46%		57.67%		17.10%	
River Bank Protection Work	Km	4.920	5.691	1.09	0	4.03	0	4.420	-	0.005	-	4.425	-	0.395	0.00
						72.80%		81.59%		0.56%		82.15%		9.35%	
Construction of Road Pavement	Km		0.00	0	0	-	-	-	-	-	-	-	-		
Construction of RCC Flood Wall	Km		0.00	0	0	-	-	-	-	-	-	-	-		
Closure Dam Construction	No.		8	4	0	-	-	-	11.13% completed	-	-	-	12.50% completed		12.50% completed



Table 3-45: Polder wise Physical Works status of Package-2 as on June, 2021

Package No	Polder No	Progress for Construction of Drainage sluices								Progress for Construction of Flushing Sluices							
		Number of DS	Dropped	Revised target of DS	100% Completed	Ongoing	Yet to Start	Overall Progress (%)	Sluice in operation.	Number of FS	Dropped	Revised target of FS	100% Completed	Ongoing	Yet to Start	Overall Progress (%)	Sluice in Operation
2	39/2C	13	0	13	2	7	4	63.39%	2	21	0	21	0	1	20	3.97%	0
	40/2	10	0	10	2	6	2	75.36%	2	13	7	6	2	2	2	61.29%	2
	41/1	10	0	10	3	6	1	88.50%	3	16	5	11	4	5	2	78.79%	4
	43/2C	8	0	8	4	3	1	84.23%	4	15	8	7	2	2	3	56.53%	2
	47/2	4	0	4	2	2	0	99.63%	2	5	2	3	2	1	0	99.50%	2
	48	6	0	6	5	1	0	99.95%	5	3	0	3	2	1	0	99.50%	2
	<b>Total</b>		<b>51</b>	<b>0</b>	<b>51</b>	<b>18</b>	<b>25</b>	<b>8</b>	<b>78.96%</b>	<b>18</b>	<b>73</b>	<b>22</b>	<b>51</b>	<b>12</b>	<b>12</b>	<b>27</b>	<b>49.02%</b>

Package No	Polder No	Progress for Repair of Drainage Sluices								Progress for Repair of Flushing Sluices							
		Number of DS	Number of Dropped	Revised target of DS Repair	100% Completed	Ongoing	Yet to Start	Overall Progress (%)	Sluice in operation.	Number of FS	Number of Dropped	Revised target of FS Repair	100% Completed	Ongoing	Yet to Start	Overall Progress (%)	Sluice in operation.
2	39/2C	0	0	0	0	0	0	NA	0	0	0	0	0	0	0	NA	0
	40/2	3	0	3	0	1	2	29.92%	0	12	1	11	0	4	7	31.52%	0
	41/1	0	0	0	0	0	0	NA	0	13	1	12	1	6	5	53.33%	1
	43/2C	0	0	0	0	0	0	NA	0	7	0	7	0	5	2	65.00%	0
	47/2	0	0	0	0	0	0	NA	0	2	0	2	0	2	0	92.50%	0
	48	3	0	3	0	1	2	29.58%	0	0	0	0	0	0	0	NA	0
	<b>Total</b>		<b>6</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>58.19%</b>	<b>0</b>	<b>34</b>	<b>2</b>	<b>32</b>	<b>1</b>	<b>17</b>	<b>14</b>	<b>61.09%</b>

Package No	Polder No	Progress for Bank Protection Work			Summary of Slope Protection Work			Progress for Excavation / Re-excavation of Drainage Channel				Summary of CC Block Production Status		
		Target Length (Km)	Completed Length (Km)	% Completed	Target Length (Km)	Completed Length (Km)	% Completed	Number of Canals	RF Target Length (Km)	Completed Length (Km)	% Completed	Target Quantity	Production Quantity	% Completed
Package 2	39/2C	3.787	3.380	89.25%	4.000	0.00	0.00%	11	57.23	23.45	40.98%	5,328,276	4,315,120	80.99%
Package 2	40/2	0.000	0.000	NA	1.137	0.40	35.18%	11	4.23	1.83	43.25%	429,969	273,160	63.53%
Package 2	41/1	0.674	0.410	60.83%	0.000	0.00	NA	8	23.13	4.16	17.99%	590,650	448,519	75.94%
Package 2	43/2C	0.540	0.090	16.67%	0.261	0.00	0.00%	8	28.26	14.14	50.03%	435,342	223,301	51.29%
Package 2	47/2	0.690	0.545	78.99%	0.000	0.00	NA	4	9.17	9.17	100.00%	482,227	436,327	90.48%
Package 2	48	0.000	0.000	NA	4.078	1.30	31.88%	11	32.91	25.91	78.73%	539,493	357,625	66.29%
<b>Package 2</b>		<b>5.691</b>	<b>4.425</b>	<b>82.15%</b>	<b>9.476</b>	<b>1.700</b>	<b>57.67%</b>	<b>53</b>	<b>154.931</b>	<b>78.658</b>	<b>72.03%</b>	<b>7,805,957</b>	<b>6,054,052</b>	<b>77.56%</b>

Package No	Polder No	Progress of Construction / Re-sectioning of Embankment										Partly Completed				
		Target Length (Km)	Completed Length (Km)	% Completed	New Emb. Length (Km)	Completed New Emb. Length (Km)	% Completed	Resectioning Length (Km)	Completed Resectioning Length (Km)	% Completed	Retd. Emb. Length (Km)	Completed Retd. Emb. Length (Km)	% Completed	New Emb. Length (Km)	Resectioning Length (Km)	Retd. Emb. Length (Km)
Package 2	39/2C	59.250	6.44	10.87%	59.25	6.44	10.87%	0.00	0.00	NA	0.00	0.00	NA	1.920	0.000	0.000
Package 2	40/2	34.200	12.15	35.53%	0.00	0.00	NA	34.20	12.15	35.53%	0.00	0.00	NA	0.000	7.560	0.000
Package 2	41/1	33.571	12.89	38.41%	0.00	0.00	NA	31.13	11.89	38.20%	2.30	1.00	43.48%	0.000	1.307	1.200
Package 2	43/2C	25.513	8.21	32.16%	0.00	0.00	NA	22.20	8.21	36.96%	3.00	0.00	0.00%	0.000	2.620	0.000
Package 2	47/2	17.567	17.13	97.51%	0.00	0.00	NA	16.24	16.20	99.77%	1.33	0.93	69.92%	0.000	0.037	0.400
Package 2	48	38.000	5.56	14.63%	0.00	0.00	NA	38.00	5.56	14.63%	0.00	0.00	NA	0.000	3.403	0.000
<b>Package 2</b>		<b>208.101</b>	<b>62.379</b>	<b>40.29%</b>	<b>59.250</b>	<b>6.440</b>	<b>10.87%</b>	<b>141.768</b>	<b>54.009</b>	<b>38.10%</b>	<b>6.63</b>	<b>1.93</b>	<b>29.11%</b>	<b>1.920</b>	<b>14.927</b>	<b>1.600</b>

# Bangladesh Water Development Board (BWDB) Coastal Embankment Improvement Project, Phase-1 (CEIP-1)

**Table 3-46: Chainage wise Detailed Information of Construction of Embankment for Package-2**

#	Folder	Location	Status of Work	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/Retf/Reconstruction)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Required Dressing & Surfing (Cum)	Completed Dressing and Surfing (Cum)	Completed Earthwork %	Completed Dressing and Surfing %	Progress as of June 2021	Completed Length (km)	Partly Completed Length (km)	Remarks
Package 2																			
1	39/2C	Pirgajpur	Yet to Start	6.500	0.000	6.500	New	Yes	Possession Received	208,330				0.00%	0.00%	0.00%			Possession Received in paper but physically land is not clear for work.
2	39/2C	Jalukathi	Yet to Start	6.000	6.500	12.500	New	Yes	Take Deposited to DC	192,360				0.00%	0.00%	0.00%			Land problem
3	39/2C	Pirgajpur	Yet to Start	24.100	12.500	36.600	New	Yes	Possession Received	761,889				0.00%	0.00%	0.00%			Possession Received in paper but physically land is not clear for work.
4	39/2C	Junia, Pirgajpur	Ongoing	2.400	36.600	39.000	New	No	do	145,448	133,500	55,000	34,800	91.79%	63.27%	89.50%	2.060	0.550	Work in Progress. Progress less this month because required Cost increase.
5	39/2C	Junia, Pirgajpur	Yet to Start	4.775	39.000	43.775	New	No	do	86,122				0.00%	0.00%	0.00%			Yet to start
6	39/2C	Junia, Pirgajpur	Ongoing	3.475	43.775	47.250	New	No	do	238,935	143,000	83,400	14,640	60.32%	17.55%	61.50%	1.920	0.520	Work in Progress
7	39/2C	Junia, Pirgajpur	Yet to Start	1.090	47.250	48.340	New	No	do	34,292				0.00%	0.00%	0.00%			Yet to start
8	39/2C	Junia, Pirgajpur	Ongoing	2.210	48.340	50.550	New	No	do	151,000	145,830			96.56%	0.00%	88.85%	2.110	0.350	Work in Progress
9	39/2C	Junia, Pirgajpur	Yet to Start	3.450	50.550	54.000	New	No	do	101,267				0.00%	0.00%	0.00%			Yet to start
9	39/2C	Pirgajpur	Ongoing	0.500	54.000	54.500	New	No	do	23,000	7,500			32.61%	0.00%	30.00%	0.000	0.500	Work in Progress
9	39/2C	Pirgajpur	Ongoing	1.400	54.500	55.900	New	No	do	74,500	18,000			24.16%	0.00%	22.23%	0.350	0.000	Work in Progress
9	39/2C	Pirgajpur	Yet to Start	3.350	55.900	59.250	New	Yes	do	105,391				0.00%	0.00%	0.00%		0.000	Possession Received in paper but physically land is not clear for work.
10	40/2	Pathargata Mouza	Yet to Start	1.240	0.000	1.240	Reconstruction	Pourashava CC Road	NA					0.00%	0.00%	0.00%			Pourashava cc Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
11	40/2	Pathargata Mouza	Ongoing	1.760	1.240	3.000	Reconstruction	NO	Possession Received	118,930	116,000	46,015	35,000	97.54%	76.06%	95.82%	1.400	0.360	Work in Progress
12	40/2	Gohorpur	Ongoing	1.150	3.000	4.150	Reconstruction	No	NA	63,991	28,000			43.76%	0.00%	40.26%	0.000	1.150	Work in Progress
13	40/2	Gohorpur	Completed	1.700	4.150	5.850	Reconstruction	No	NA	19,892	19,892	28,838	28,838	100.00%	100.00%	100.00%	1.700	0.000	Work is Completed
14	40/2	Gohorpur	Completed	0.100	5.850	5.950	Reconstruction	No	NA	4,622	4,622	1,983	1,983	100.00%	100.00%	100.00%	0.100	0.000	Work is Completed
15	40/2	Gohorpur	Completed	0.700	5.950	6.650	Reconstruction	No	NA	16,002	16,002	13,052	13,052	100.00%	100.00%	100.00%	0.700	0.000	Work is Completed
16	40/2	Nijlathimara	Ongoing	0.850	6.650	7.500	Reconstruction	No	NA	18,943	8,000			42.23%	0.00%	38.85%	0.000	0.850	Work in Progress
17	40/2	Nijlathimara	Ongoing	1.500	7.500	9.000	Reconstruction	No	NA	31,238	25,000	27,140	15,000	80.03%	55.27%	78.05%	0.000	1.500	Work in Progress
18	40/2	Tangra Mouza	Ongoing	3.000	9.000	12.000	Reconstruction	No	NA	129,970	127,000	88,798	25,000	97.71%	28.15%	92.15%	2.500	0.500	Work in Progress
19	40/2	Capthana	Ongoing	0.850	12.000	12.850	Reconstruction	No	NA	52,726	19,500	35,093		36.98%	0.00%	34.02%	0.000	0.850	Work in Progress
20	40/2	Tapalbaria	Ongoing	1.150	12.850	14.000	Reconstruction	No	Possession received	109,488	109,000	24,888	15,000	99.55%	60.76%	96.85%	1.150	0.000	Work in Progress
21	40/2	Tapalbaria	Ongoing	1.000	14.000	15.000	Reconstruction	Yes	Possession received	84,270	84,270	40,501	5,000	100.00%	12.35%	92.99%	1.000	0.000	Work in Progress
22	40/2	Tapalbaria	Ongoing	2.700	15.000	17.700	Reconstruction	No	NA	264,202	27,000			10.21%	0.00%	9.40%	0.000	1.200	Work in Progress
23	40/2	Tapalbaria	Yet to Start	0.550	17.700	18.250	Reconstruction	No	NA	41,287				0.00%	0.00%	0.00%			
24	40/2	Tapalbaria	Ongoing	0.200	18.250	18.450	Reconstruction	No	Possession received	16,343	14,000			85.66%	0.00%	78.81%	0.000	0.200	Program for next year
25	40/2	Char domal Mouza	Ongoing	1.250	18.450	19.700	Reconstruction	No	Possession received	99,752	99,752	39,118	30,500	100.00%	77.97%	98.24%	1.250	0.000	Work in Progress
26	40/2	Char domal Mouza	Ongoing	1.300	19.700	21.000	Reconstruction	No	Possession received	111,132	105,000	46,157		94.48%	0.00%	86.92%	0.900	0.400	Work in Progress
27	40/2	Char domal Mouza	Ongoing	0.550	21.000	21.550	Reconstruction	No	Possession received	41,131	35,000	22,710	0	85.09%	0.00%	78.29%	0.000	0.550	Work in Progress
27	40/2	Char domal Mouza	Ongoing	1.450	21.550	23.000	Reconstruction	No	NA	41,856	41,856	31,338	18,000	100.00%	57.44%	96.60%	1.450	0.000	Work in Progress
28	40/2	Char domal Mouza	Yet to Start	4.520	23.000	27.520	Reconstruction	LGED Road	NA					0.00%	0.00%	0.00%			LGED Paved Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
29	40/2	Hoglapaha	Yet to Start	4.715	27.520	32.235	Reconstruction	RHD Road	NA					0.00%	0.00%	0.00%			RHD Paved Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
30	40/2	Hatempur & Boratola	Yet to Start	1.515	32.235	33.750	Reconstruction	Pourashava Carpeting Road	NA					0.00%	0.00%	0.00%			Pourashava Paved Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
31	40/2	Pathargata Mouza	Yet to Start	0.450	33.750	34.200	Reconstruction	Pourashava cc Road	NA					0.00%	0.00%	0.00%			Pourashava cc Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
32	41/1	Ayia Patakata UP	Ongoing	2.250	0.000	2.250	Reconstruction	No	NA	57,203	57,203	85,000	36,644	100.00%	43.11%	95.45%	2.250	0.000	Work in Progress
33	41/1	Burir Char UP	Yet to Start	0.750	2.250	3.000	Reconstruction	RHD Road	NA					0.00%	0.00%	0.00%			RHD Carpeting Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
34	41/1	Burir Char UP	Ongoing	2.300	3.000	5.300	Retired	No	Possession Received	197,000	135,000			68.53%	13.51%	64.13%	1.000	1.200	Work in Progress
35	41/1	Burir Char UP	Ongoing	7.500	5.300	12.800	Reconstruction	LGED Road	NA	188,475	163,421			86.71%	0.00%	79.77%	6.793	0.707	Work in Progress
36	41/1	Burir Char UP	Ongoing	0.950	12.800	13.750	Reconstruction	No	NA	51,709	45,000	33,250	21,000	87.03%	63.16%	85.12%	0.650	0.150	Work in Progress
37	41/1	Burir Char UP	Yet to Start	0.250	13.750	14.000	Reconstruction	No	NA	13,304				0.00%	0.00%	0.00%			Program for next year.
38	41/1	Burir Char UP	Yet to Start	4.650	14.000	18.650	Reconstruction	LGED Road	NA					0.00%	0.00%	0.00%			LGED Carpeting Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
39	41/1	Burir Char UP	Yet to Start	2.050	18.650	20.700	Reconstruction	Pourashava Road	NA					0.00%	0.00%	0.00%			Pourashava Carpeting Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
40	41/1	Burir Char UP	Yet to Start	6.550	20.700	27.250	Reconstruction	RHD Road	NA					0.00%	0.00%	0.00%			RHD Carpeting Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
41	41/1	Ayia Patakata UP	Ongoing	2.250	27.250	29.500	Reconstruction	LGED Road	NA	35,500	12,250			34.51%	0.00%	31.75%	0.700	0.150	Work in Progress
42	41/1	Ayia Patakata UP	Ongoing	2.500	29.500	32.000	Reconstruction	LGED Road	NA	42,400	28,000	5,000	2,100	66.04%	3.90%	63.02%	1.500	0.300	Work in Progress
43	41/1	Ayia Patakata UP	Yet to Start	1.260	32.000	33.260	Reconstruction	LGED Road	NA					0.00%	0.00%	0.00%			Yet to start
43	41/1	Ayia Patakata UP	Yet to Start	0.140	33.260	33.400	Reconstruction	LGED Road	NA					0.00%	0.00%	0.00%			LGED Carpeting Road. Work is under suspension as per letter no CEIP-1/52/225 Dated 20.02.2019 issued by the Project Director.
44	41/1	Ayia Patakata UP	Yet to Start	0.171	33.400	33.571	Reconstruction	No	NA	8,987				0.00%	0.00%	0.00%			Program for next year

**Bangladesh Water Development Board (BWDB)**  
**Coastal Embankment Improvement Project, Phase-1 (CEIP-1)**

#	Polder	Location	Status of Work	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of June 2021	Completed Length (km)	Partly Completed Length (km)	Remarks
45	43/2C	Suhari	Yet to Start	0.074	0.000	0.074	Resectioning	RHD Road	NA					0.00%	0.00%	0.00%			RHD Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
46	43/2C	Bauria	Ongoing	0.851	0.074	0.925	Resectioning	Yes	Revised land plan under preparation	42,009	16,044	21,392	5,937	38.19%	27.75%	37.36%	0.325	0.000	Work in Progress
47	43/2C	Bauria	Completed	0.400	0.925	1.325	Resectioning	Yes	do	12,341	12,341	7,308	7,308	100.00%	100.00%	100.00%	0.400	0.000	Work in Completed
48	43/2C	Gabua	Ongoing	2.703	1.325	4.028	Resectioning	Yes	do	74,670	63,000	49,383	1,847	84.37%	3.74%	77.92%	1.850	0.750	Work in Progress
49	43/2C	Boro Gabua	Yet to Start	0.872	4.028	4.900	Resectioning	LGED Road	NA					0.00%	0.00%	0.00%			LGED Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
50	43/2C	Boro Gabua	Ongoing	0.950	4.900	5.850	Resectioning	Yes	Revised land plan under	22,817	21,000	18,158	17,320	92.04%	95.38%	92.30%	0.950	0.000	Work in Progress
51	43/2C	Boro Gabua	Yet to Start	1.650	5.850	7.500	Resectioning	LGED Road	NA					0.00%	0.00%	0.00%			LGED Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
52	43/2C	Gaikhali	Ongoing	5.690	7.500	13.190	Resectioning	Yes	Revised land plan under preparation	124,952	88,000	103,956	65,568	70.43%	63.07%	69.84%	3.300	0.750	Work in Progress
53	43/2C	East Golkhali	Yet to Start	1.810	13.190	15.000	Resectioning	Yes	do					0.00%	0.00%	0.00%			Program for next year
54	43/2C	East Golkhali	Yet to Start	3.000	15.000	18.000	Retired	Yes	do					0.00%	0.00%	0.00%			Program for next year
55	43/2C	East Golkhali & Badar pur	Yet to Start	2.700	18.000	20.700	Resectioning	Yes	do					0.00%	0.00%	0.00%			Program for next year
56	43/2C	Suharing Char	Ongoing	1.700	20.700	22.400	Resectioning	Yes	do	64,993	60,000	48,178	38,117	92.32%	79.12%	91.26%	1.380	0.320	Work in Progress
57	43/2C	Suharing Char	Ongoing	1.600	22.400	24.000	Resectioning	Yes	do	73,766	22,000			29.82%	0.00%	27.44%	0.00	0.800	Work in Progress
58	43/2C	Suhari	Yet to Start	1.200	24.000	25.200	Resectioning	Yes	do					0.00%	0.00%	0.00%			Program for next year
59	43/2C	Suhari	Yet to Start	0.313	25.200	25.513	RHD Road	RHD Road	NA					0.00%	0.00%	0.00%			RHD Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
60	47/2	Piarpur	Ongoing	2.100	0.000	2.100	Resectioning	No	NA	9,178	9,178	26,745	22,463	100.00%	83.99%	98.72%	2.100	0.000	Work in Progress
61	47/2	Piarpur	Ongoing	0.650	2.100	2.750	Retired	Yes	Possession received	34,813	18,040		0	51.82%	0.00%	47.67%	0.250	0.400	Work in Progress
62	47/2	Piarpur	Ongoing	3.400	2.750	6.150	Resectioning	No	NA	36,849	36,849	56,220	47,360	100.00%	84.24%	98.74%	3.400	0.000	Work in Progress
63	47/2	Kichikata	Ongoing	0.680	6.150	6.830	Retired	Yes	Possession received	31,378	30,750		0	98.00%	0.00%	90.16%	0.680	0.000	Work in Progress
64	47/2	Kichikata	Ongoing	6.220	6.830	13.050	Resectioning	No	NA	52,700	52,387	84,575	78,748	99.41%	93.11%	98.90%	6.183	0.037	Work in Progress
65	47/2	Thankhola	Ongoing	4.517	13.050	17.567	Resectioning	No	NA	48,526	48,525	60,057	50,765	100.00%	84.53%	98.76%	4.517	0.000	Work in Progress
66	48	Khajura	Ongoing	0.500	0.000	0.500	Resectioning	No	NA	3,950	2,765		0	70.00%	0.00%	64.40%	0.00	0.500	Work in Progress
67	48	Tolatali, Chapali & Char Chapali	Yet to Start	15.634	0.500	16.134	Resectioning	LGED Road	NA				0	0.00%	0.00%	0.00%		0.000	LGED Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
68	48	Char Chapali	Completed	0.316	16.134	16.450	Resectioning	No	NA	5,513	5,513	5,863	5,863	100.00%	100.00%	100.00%	0.316	0.000	Work is Completed
69	48	Ashakhali	Ongoing	0.685	16.450	17.135	Resectioning	No	NA	115,564	92,000	40,197	32,158	79.61%	80.00%	79.64%	0.685	0.000	Work in Progress
	48	Ashakhali	Ongoing	0.865	17.135	18.000	Resectioning	No	NA	120,046	108,000	46,721	29,250	89.97%	62.61%	87.78%	0.810	0.055	Work in Progress
	48	Ashakhali	Ongoing	3.000	18.000	21.000	Resectioning	No	NA	302,407	56,190	182,329	8,837	18.58%	4.85%	17.48%	0.250	0.000	Work in Progress
70	48	Ashakhali	Yet to Start	8.455	21.000	29.455	Resectioning	No	NA	921,014				0.00%	0.00%	0.00%			Program for next year
71	48	Kuakata Beach	Yet to Start	1.197	29.455	30.652	Resectioning	LGED Road	NA					0.00%	0.00%	0.00%			LGED Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
72	48	Kuakata Beach	Ongoing	0.148	30.652	30.800	Resectioning	No	NA	7,392	5,174			69.99%	0.00%	64.40%	0.00	0.148	Work in Progress
73	48	Kuakata Beach	Ongoing	1.215	30.800	32.015	Resectioning	No	NA	40,658	39,570	11,178	5,980	97.32%	53.50%	93.82%	1.000	0.215	Work in Progress
74	48		Ongoing	2.285	32.015	34.300	Resectioning	No	NA	110,109	104,600			95.00%	0.00%	87.40%	2.00	0.285	Work in Progress
75	48		Completed	0.250	34.300	34.550	Resectioning	No	NA	25,871	25,871	2,820	2,820	100.00%	100.00%	100.00%	0.250	0.000	Work is Completed
76	48		Ongoing	0.328	34.550	34.878	Resectioning	No	NA	23,428	23,000	3,576	1,089	98.17%	30.45%	92.76%	0.250	0.078	Work in Progress
77	48		Ongoing	2.122	34.878	37.000	Resectioning	No	NA	222,081	114,245			51.44%	0.00%	47.33%	0.000	1.122	Work in Progress
78	48		Ongoing	1.000	37.000	38.000	Resectioning	No	NA	12,694	8,251			65.00%	0.00%	59.80%	0.00	1.000	Work in Progress

**Table 3-47: Channel Wise detailed Information for Construction of Drainage Channel for Package-2**

#	Polder	Name of Khal	Status of Work	Length (Km)	Completed Length (km)	Required Quantity (Cum)	Achieved Quantity (Cum)	Status as of June 2021	Remarks
<b>Package 2</b>									
1	39/2C	Chokeydev Khal	Ongoing	5.500	1.220	36,491.00	12,000.00	22.18%	Work in Progress
2	39/2C	Pona Khal	Yet to Start	20.000	0.000	102,282.25		0.00%	Program for next year
3	39/2C	Bakshi Khal Br. 2	Ongoing	3.000	2.800	2,769.37	2,500.00	93.33%	Work in Progress
4	39/2C	Dasher Khal	Yet to Start	3.750	0.000	19,399.97		0.00%	Not yet started
5	39/2C	Juniher Khal	Completed	3.000	3.000	2,926.00	2,931.00	100.00%	Work Completed
6	39/2C	Teli Khali Khal	Completed	4.500	4.500	1,634.30	1,634.35	100.00%	Work Completed
7	39/2C	Chakluia Khal	Yet to Start	5.500	0.000	28,453.29		0.00%	Program for next year
8	39/2C	Hetalia Khal	Ongoing	3.500	3.450	10,108.00	8,978.00	98.57%	Work in Progress
9	39/2C	Nodmollar Khal	Completed	4.000	4.000	11,209.00	11,139.00	100.00%	Work Completed
10	39/2C	Dagrey Khal	Completed	2.000	2.000	27,552.00	27,552.00	100.00%	Work Completed
11	39/2C	Bauner Khal	Completed	2.480	2.480	-		100.00%	Cutting is nail.
12	40/2	Mutainer Khal	Yet to Start	2.400	0.000	42,571.38		0.00%	This khal has already been excavated by BWDB (Connected with DS-1)
13	40/2	Adhania Khal	Dropped	0.000	0.000	23,507.00		0.00%	Dropped
14	40/2	Nijladiamar Khal	Dropped	0.000	0.000	43,613.08		0.00%	Dropped
15	40/2	Ganpara Khal - 1	Dropped	0.000	0.000			0.00%	Dropped
16	40/2	Keoratala Khal	Completed	1.829	1.829	36,574.00	35,558.00	100.00%	Work completed (Connected with DS-6)
17	40/2	Charduani Khal	Dropped	0.000	0.000	73,031.75		0.00%	Dropped
18	40/2	Hoglapasha Khal	Dropped	0.000	0.000	57,367.59		0.00%	Dropped
19	40/2	Munshigonj Khal	Dropped	0.000	0.000	1,663.75		0.00%	Dropped
20	40/2	Maser Khal	Dropped	0.000	0.000	37,548.50		0.00%	Dropped
21	40/2	Kajibari Khal	Dropped	0.000	0.000	38,060.00		0.00%	Dropped
22	40/2	Boroitola Khal	Dropped	0.000	0.000	73,238.00		0.00%	Dropped
23	41/1	Lobongla Khal	Yet to Start	4.073	0.000	14,393.64		0.00%	This khal has already been excavated by BWDB (Connected with DS-1)
24	41/1	Shonakhali Khal	Dropped	0.000	0.000	17,187.50		0.00%	Dropped
25	41/1	Charagasia Khal	Dropped	0.000	0.000	6,789.75		0.00%	Dropped
26	41/1	Charnalar Khal	Ongoing	1.260	1.110	18,345.00	16,323.00	88.10%	Work in progress (Connected with DS-4)
27	41/1	Burirchar Khal	Yet to Start	6.930	0.000	38,439.50		0.00%	(Connected with DS-5)
28	41/1	Lobongla Khal Br. 1	Yet to Start	4.390	0.000	161,561.13		0.00%	As per approved shop drawing, the excavation quantity is only 5,301.00 Cum which is negligible in compared to length. So the existing section is enough compared to design section. No need re-excavation (Connected with DS-6).
29	41/1	Napit Khali Khal	Ongoing	1.813	1.713	23,564.00	21,848.00	94.48%	Work in progress. (Connected with DS-7)
30	41/1	Choto Lobongla Khal	Completed	4.667	1.338	26,171.00	26,171.00	100.00%	Length of Khal is 4.700Km. But from Km 1.338 to Km 4.700 already excavated by BWDB. (Connected with DS-8)
31	43/2C	Chadkokai Khal	Ongoing	2.600	2.550	65,370.00	63,000.00	98.08%	Work in Progress
32	43/2C	Jamaluddin Khal	Yet to Start	3.961	0.000	13,549.81		0.00%	Next year Program
33	43/2C	Mushir Khal - 01	Yet to Start	6.793	0.000	29,157.81		0.00%	Next year Program
34	43/2C	Mushir Khal	Ongoing	2.448	1.650	32,013.00	29,500.00	67.40%	Work in Progress
35	43/2C	Pollar Khal	Ongoing	2.350	2.300	41,624.00	40,000.00	97.87%	Work in Progress
36	43/2C	Rishir Khal	Ongoing	2.000	1.850	45,783.00	38,000.00	92.50%	Work in progress
37	43/2C	Taitola Khal	Completed	2.440	2.440	35,930.84	35,715.00	100.00%	Completed
38	43/2C	Golkhali Khal	Ongoing	5.669	3.350	59,517.00	52,100.00	59.09%	Work in Progress
39	47/2	Eidkhola Khal	Completed	0.676	0.676	8,019.00	8,019.00	100.00%	Completed
40	47/2	Kichikata Khal	Completed	1.700	1.700	13,607.00	13,607.00	100.00%	Completed
41	47/2	Dhankhola Khal	Completed	4.791	4.791	53,943.00	53,943.00	100.00%	Completed
42	47/2	Piarpur Khal	Completed	2.000	2.000	29,714.00	29,714.00	100.00%	Completed
43	48	Khanjurpara Khal	Completed	7.465	7.465	100,302.50	100,302.50	100.00%	Completed
44	48	Matiranga Khal	Completed	1.925	1.925	4,473.90	4,473.90	100.00%	Completed
45	48	Loxir Khal	Yet to Start	7.000	0.000	2,420.00		0.00%	Next year Program
46	48	Nayapara Khal - 1	Completed	4.250	4.250	31,796.00	31,796.00	100.00%	Completed
47	48	Tolatoli Khal	Completed	5.723	5.723	97,230.00	96,853.22	100.00%	Completed
48	48	Charchapali Khal	Completed	2.472	2.472	26,483.00	26,483.00	100.00%	Completed
49	48	Kauarchar Khal	Completed	1.000	1.000	7,818.25	7,818.25	100.00%	Completed
50	48	Kalaipara Khal	Completed	0.350	0.350	9,547.58	9,547.58	100.00%	Completed
51	48	Goramkhula Khal	Completed	2.726	2.726	54,163.00	54,163.13	100.00%	Completed
52	48	Khalifar Khal	Dropped	0.000	0.000	6,924.50		0.00%	Dropped
53	48	Maither Khal	Dropped	0.000	0.000	4,983.00		0.00%	Dropped
<b>Total</b>				<b>154.931</b>	<b>78.658</b>	<b>1,366,907.515</b>	<b>861,669.93</b>		

Table 3-48: Detailed Information of Construction Status of Drainage Sluice for Package-2

#	Type of HS	Polder	Sluice Name	Dropped/ Not Dropped	LA Problem	LA - Current Status	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress June 2021)	Remarks
<b>Drainage Sluice</b>												
1	DS	39/2C	DS-1	Yet to Start	Y	Possession Received					0.00%	Next year program. Resettlement problem.
2	DS	39/2C	DS-2	Ongoing	Y	Possession Received	100%	100%	98%		83.90%	Work in progress
3	DS	39/2C	DS-3	Yet to Start	Y	Possession Received					0.00%	Program for the year 2020-2021
4	DS	39/2C	DS-4	Ongoing	Y	Possession Received	100%	100%	98%		83.90%	Work in progress
5	DS	39/2C	DS-5	Yet to Start	Y	Possession Received					0.00%	Program for the year 2020-2021
6	DS	39/2C	DS-6	Ongoing	Y	Possession Received	100%	100%	90%		79.50%	Work in progress
7	DS	39/2C	DS-7	Completed	N	N/A	100%	100%	100%	100%	100.00%	Sluice in operation.
8	DS	39/2C	DS-8	Ongoing	Y	Possession Received	100%	100%	100%	94%	99.10%	Work in progress
9	DS	39/2C	DS-9	Yet to Start	Y	Taka Deposited to DC					0.00%	Land problem issue has not yet been resolved
10	DS	39/2C	DS-10	Ongoing	Y	Possession Received	100%	100%	100%	94%	99.10%	Work in progress
11	DS	39/2C	DS-11	Ongoing	Y	Possession Received	100%	100%	100%	94%	99.10%	Work in progress
12	DS	39/2C	DS-12	Completed	N	N/A	100%	100%	100%	100%	100.00%	Sluice in operation.
13	DS	39/2C	DS-13	Ongoing	Y	Possession Received	100%	100%	90%		79.50%	program for the year 2020-2021
14	DS	40/2	DS-1	Ongoing	N	NA	100%	100%	98%	50%	91.40%	Work in progress
15	DS	40/2	DS-2	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
16	DS	40/2	DS-3	Completed	N	Possession Received	100%	100%	100%	100%	100.00%	Sluice in operation.
17	DS	40/2	DS-5	Ongoing	N	NA	100%	100%	100%	96%	99.40%	Work in progress
18	DS	40/2	DS-7	Yet to Start	Y	Court case					0.00%	Due to court case work not yet started
19	DS	40/2	DS-7A	Ongoing	Y	N/A	100%	100%	98%	40%	89.90%	Work in progress
20	DS	40/2	DS-8	Ongoing	Y	Court case	100%	100%	95%		82.25%	Work in progress
21	DS	40/2	DS-9	Ongoing	N	Court case	100%	100%	98%	50%	91.40%	Work in progress
22	DS	40/2	DS-10	Ongoing	N	NA	100%	100%	100%	95%	99.25%	Work in progress
23	DS	40/2	DS-10A	Yet to Start	Y	Court case					0.00%	Due to court case work not yet started
23	DS	41/1	DS-1	Ongoing	N	Possession Received	100%	100%	100%	90%	98.50%	Work in progress
24	DS	41/1	DS-2	Yet to Start	N	NA					0.00%	program for the year 2020-2021
25	DS	41/1	DS-3	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
26	DS	41/1	DS-4	Ongoing	N	NA	100%	100%	100%	50%	92.50%	Work in progress
27	DS	41/1	DS-5	Ongoing	N	NA	100%	100%	100%	90%	98.50%	Work in progress
28	DS	41/1	DS-6	Ongoing	N	NA	100%	100%	100%	90%	98.50%	Work in progress (Gate Installed)
29	DS	41/1	DS-7	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
30	DS	41/1	DS-8	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
31	DS	41/1	DS-9	Ongoing	N	NA	100%	100%	100%	90%	98.50%	Work in progress
32	DS	41/1	DS-10	Ongoing	N	NA	100%	100%	100%	90%	98.50%	Work in progress
33	DS	43/2C	DS-1	Ongoing	N	NA	100%	100%	100%	75%	96.25%	Work in progress
34	DS	43/2C	DS-2	Ongoing	Y	Revised Land Plan under preparation	100%	100%	92%		80.60%	Work in progress
35	DS	43/2C	DS-3	Ongoing	N	NA	100%	100%	100%	80%	97.00%	Work is completed
36	DS	43/2C	DS-4	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
37	DS	43/2C	DS-5	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
38	DS	43/2C	DS-6	Yet to Start	Y	Revised Land Plan under preparation					0.00%	Land & Resettlement issue has not yet been resolved
39	DS	43/2C	DS-7	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
40	DS	43/2C	DS-8	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
41	DS	47/2	DS-1	Ongoing	N	NA	100%	100%	100%	95%	99.25%	Work in progress
42	DS	47/2	DS-2	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
43	DS	47/2	DS-3	Ongoing	N	NA	100%	100%	100%	95%	99.25%	Work in progress
44	DS	47/2	DS-4	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
45	DS	48	DS-1	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
46	DS	48	DS-2/A	Ongoing	N	NA	100%	100%	100%	98%	99.70%	Work in progress
47	DS	48	DS-3/2	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
48	DS	48	DS-3/3	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
49	DS	48	DS-3/4	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
50	DS	48	DS-6	Completed	Y	Taka Deposited to DC	100%	100%	100%	100%	100.00%	Sluice in operation.

Table 3-49: Detailed Information of Construction Status of Flushing Sluice for Package-2

#	Type of HS	Polder	Sluice Name	Dropped/ Not Dropped	LA Problem	LA - Current Status	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress June 2021)	Remarks
<b>Flushing Sluice</b>												
1	FS	39/2C	FS-1	Yet to Start	Y	Taka Deposited to DC					0%	Land problem issue has not yet been resolved
2	FS	39/2C	FS-2	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
3	FS	39/2C	FS-2/1	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
4	FS	39/2C	FS-3	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
5	FS	39/2C	FS-5	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
6	FS	39/2C	FS-6	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
7	FS	39/2C	FS-6/1	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
8	FS	39/2C	FS-6/2	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
9	FS	39/2C	FS-7	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
10	FS	39/2C	FS-8	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
11	FS	39/2C	FS-9	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
12	FS	39/2C	FS-10	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
13	FS	39/2C	FS-11	Ongoing	Y	do	100%	100%	97%		83%	Work in progress
14	FS	39/2C	FS-12	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
15	FS	39/2C	FS-13	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
16	FS	39/2C	FS-14	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
17	FS	39/2C	FS-14/1	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
18	FS	39/2C	FS-15	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
19	FS	39/2C	FS-16	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
20	FS	39/2C	FS-17	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
21	FS	39/2C	FS-17/1	Yet to Start	Y	do					0%	Land problem issue has not yet been resolved
22	FS	40/2	FS-1	Dropped							0.00%	Recommended for repair instead of replacement.
23	FS	40/2	FS-3	Dropped							0.00%	Recommended for demolished
24	FS	40/2	FS-4	Dropped							0.00%	Recommended for repair instead of replacement.
25	FS	40/2	FS-4/1	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
26	FS	40/2	FS-8	Yet to Start	N	NA					0.00%	Next year Program
26	FS	40/2	FS-9	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
27	FS	40/2	FS-10	Ongoing	N	NA	100%	100%	100%	95%	99.25%	Work in progress
26	FS	40/2	FS-11	Yet to Start	N	NA					0.00%	Next year Program
28	FS	40/2	FS-13	Dropped							0.00%	Recommended for demolished
29	FS	40/2	FS-14	Dropped							0.00%	Recommended for repair instead of replacement.
30	FS	40/2	FS-16	Ongoing	N	NA	100%	100%	70%		68.50%	Work in progress
31	FS	40/2	FS-17	Dropped							0.00%	Recommended for dropped from program instead of replacement due to land problem.
32	FS	40/2	FS-20	Dropped							0.00%	Recommended for repair instead of replacement.
33	FS	41/1	FS-1	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
34	FS	41/1	FS-3	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
35	FS	41/1	FS-5	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
36	FS	41/1	FS-6	Completed	Y		100%	100%	100%	100%	100.00%	Sluice in operation.
37	FS	41/1	FS-7	Yet to Start	Y	Possession Received					0.00%	Land problem issue has not yet been resolved
38	FS	41/1	FS-8	Ongoing			100%	100%	100%	95%	99.25%	Work in progress
39	FS	41/1	FS-9	Ongoing			100%	100%	100%	95%	99.25%	Work in progress
40	FS	41/1	FS-12	Dropped							0.00%	DS-8 is to be construction instead of FS-12.
41	FS	41/1	FS-15	Ongoing			100%	100%	100%	95%	99.25%	Work in progress
42	FS	41/1	FS-16	Dropped							0.00%	Recommended for repair instead of replacement.
43	FS	41/1	FS-21	Dropped	Y						0%	Shifting to repair of Flushing Sluice
44	FS	41/1	FS-22	Dropped	Y						0%	Shifting to repair of Flushing Sluice
45	FS	41/1	FS-23	Dropped	Y						0%	Shifting to repair of Flushing Sluice
46	FS	41/1	FS-24	Yet to Start	Y						0.00%	Re-Settlement problem
47	FS	41/1	FS-25	Ongoing	N	NA	100%	100%	98%		83.90%	Work in progress
48	FS	41/1	FS-28	Ongoing	Y		100%	100%	100%		85.00%	Work in progress
49	FS	43/2C	FS-1	Yet to Start							0.00%	Program for next dry season
50	FS	43/2C	FS-1A	Ongoing	Y		100%	100%	99%	100%	99.45%	Work in progress
51	FS	43/2C	FS-2	Dropped							0.00%	Recommended for repair instead of replacement.
52	FS	43/2C	FS-3	Dropped							0.00%	Recommended for demolish instead of replacement as per local resident.
53	FS	43/2C	FS-7	Dropped							0.00%	Recommended for repair instead of replacement.
54	FS	43/2C	FS-8	Completed	Y	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
55	FS	43/2C	FS-9	Dropped							0.00%	Recommended for repair instead of replacement.
56	FS	43/2C	FS-10	Ongoing	Y	N/A	100%	100%	100%	75%	96.25%	Work in progress
57	FS	43/2C	FS-12	Yet to Start	Y	Revised Land Plan under preparation					0.00%	Program for next year
58	FS	43/2C	FS-13	Yet to Start	N	NA					0.00%	Program for next year
59	FS	43/2C	FS-14	Dropped							0.00%	Recommended for repair instead of replacement.
60	FS	43/2C	FS-15	Dropped							0.00%	Recommended for repair instead of replacement.
61	FS	43/2C	FS-16	Dropped							0.00%	Recommended for repair instead of replacement.
62	FS	43/2C	FS-17	Dropped							0.00%	DS-7 is to be construction instead of FS-17
63	FS	43/2C	FS-18	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
64	FS	47/2	FS-1	Ongoing	N	NA	100%	100%	100%	90%	98.50%	Work in progress
65	FS	47/2	FS-2	Dropped							0.00%	Recommended for repair instead of replacement.
66	FS	47/2	FS-3	Dropped							0.00%	Recommended for demolish.
67	FS	47/2	FS-6	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
68	FS	47/2	FS-7	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
69	FS	48	FS-1	Ongoing	N	NA	100%	100%	100%	90%	98.50%	Work in progress
70	FS	48	FS-3	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
71	FS	48	FS-4	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.

Table 3-50: Detailed Information of Repair of Drainage & Flushing Sluice for Package-2

#	Type of HS	Package	Polder	Sluice Name	Status (Dropped/ Not Dropped)	LA Problem	LA - Current Status	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress June 2021)	Remarks
<b>Drainage Sluice</b>													
3	DS	2	40/2	DS-1	Yet to Start	N	NA					0.00%	Dropped -DS-1
4	DS	2	40/2	DS-4	Yet to Start	N	NA					0.00%	Program for current year
5	DS	2	40/2	DS-6	Ongoing	N	NA	100%	100%	95%	50%	89.75%	Work in progress
6	DS	2	48	DS-3/1	Yet to Start	N	NA					0.00%	Program for current year
7	DS	2	48	DS-4	Yet to Start	Y						0.00%	Resettlement issue has not yet been resolved
8	DS	2	48	DS-5	Ongoing	N	NA	100%	100%	100%	25%	88.75%	Work in progress
<b>Flushing Sluice</b>													
1	FS	2	40/2	FS-1	Yet to Start							0.00%	Next year Program
2	FS	2	40/2	FS-2	Ongoing	N	NA	100%	100%	95%		82.25%	Work in progress
3	FS	2	40/2	FS-4	Ongoing	N	NA	100%	100%	90%	50%	87.00%	Work in progress
4	FS	2	40/2	FS-6	Ongoing	N	NA	100%	100%	100%		85.00%	Work in progress
5	FS	2	40/2	FS-6/1	Yet to Start							0.00%	Next year Program
6	FS	2	40/2	FS-12	Yet to Start							0.00%	Next year Program
7	FS	2	40/2	FS-14	Yet to Start	N	NA					0.00%	Shop drawing is under process of approval
8	FS	2	40/2	FS-16	Dropped							0.00%	Dropped FS-16
9	FS	2	40/2	FS-18	Yet to Start	N	NA					0.00%	Shop drawing is under process of approval
10	FS	2	40/2	FS-19	Ongoing	N	NA	100%	100%	100%	50%	92.50%	Work in progress
11	FS	2	40/2	FS-20	Yet to Start							0.00%	Next year Program
12	FS	2	40/2	FS-22	Yet to Start							0.00%	Next year Program
13	FS	2	41/1	FS-2	Completed	N	NA	100%	100%	100%	100%	100.00%	Sluice in operation.
14	FS	2	41/1	FS-4	Ongoing			100%	100%	100%	50%	92.50%	Work in progress
15	FS	2	41/1	FS-5	Dropped							0.00%	Dropped FS-5
16	FS	2	41/1	FS-11	Yet to Start							0.00%	Next year Program
17	FS	2	41/1	FS-13	Yet to Start							0.00%	Next year Program
18	FS	2	41/1	FS-16	Ongoing			100%	100%	100%	50%	92.50%	Work in progress
19	FS	2	41/1	FS-18	Ongoing	N	NA	100%	100%	100%		85.00%	Work in progress
20	FS	2	41/1	FS-19	Yet to Start	N	NA					0.00%	Shop drawing is under process of approval
21	FS	2	41/1	FS-21	Ongoing			100%	100%	100%		85.00%	Work in progress
22	FS	2	41/1	FS-22	Ongoing			100%	100%	100%	50%	92.50%	Work in progress
23	FS	2	41/1	FS-23	Ongoing	N	NA	100%	100%	100%	50%	92.50%	Work in progress
24	FS	2	41/1	FS-30	Yet to Start	N	NA					0.00%	Next year Program
25	FS	2	41/1	FS-29	Yet to Start							0.00%	Next year Program
26	FS	2	43/2C	FS-2	Yet to Start							0.00%	Next year Program
27	FS	2	43/2C	FS-6	Ongoing			100%	100%	100%		85.00%	Work in progress
28	FS	2	43/2C	FS-7	Ongoing			100%	100%	100%	50%	92.50%	Work in progress
29	FS	2	43/2C	FS-9	Ongoing			100%	100%	100%	50%	92.50%	Next year Program
30	FS	2	43/2C	FS-14	Ongoing			100%	100%	100%	50%	92.50%	Work in progress
31	FS	2	43/2C	FS-15	Ongoing			100%	100%	100%	50%	92.50%	Work in progress
32	FS	2	43/2C	FS-16	Yet to Start							0.00%	Next year Program
33	FS	2	47/2	FS-2	Ongoing			100%	100%	100%	50%	92.50%	Work in progress
34	FS	2	47/2	FS-4	Ongoing			100%	100%	100%	50%	92.50%	Work in progress

Table 3-51: Detailed Information for Slope Protection Work for Package-2

#	Polder #	Length (Km)	LA Problem	LA - Current Status	Status of Work	Starting Chainage (Km)	End Chainage (Km)	Mobilization	Production of CC Blocks	Placing of CC block	Other related work	Completed Length (km)	Status as of June 2021	Remarks
<b>Package 2</b>														
1	39/2C	4.000	N	Possession received	Yet to Started	24.000	51.000	3%	77%	9%	11%	0.000	0.00%	Embankment Construction not done
2	40/2	0.400	N	Possession received	Completed	1.240	1.640	100%	100%	100%	100%	0.400	100.00%	Work completed
3	40/2	0.129	N	Possession received	Yet to Started	12.871	13.000					0.000	0.00%	Embankment Construction is in progress
4	40/2	0.393	N	Possession received	Ongoing	13.184	13.577	100%	40%	15%	20%	0.000	37.35%	Partially done 393 m & work in progress
5	40/2	0.215	N	Possession received	Ongoing	13.745	13.960	90%	70%	50%	50%	0.000	66.60%	Partially done 215 meter & work in Progress
6	43/2C	0.078	Y	Proposal under Preparation	Yet to Started	19.885	19.963					0.000	0.00%	Embankment Construction not yet done
7	43/2C	0.090	Y	Proposal under Preparation	Yet to Started	19.680	19.770					0.000	0.00%	Embankment Construction not yet done
8	43/2C	0.093	Y	Proposal under Preparation	Yet to Started	19.460	19.553					0.000	0.00%	Embankment Construction not done
9	48	1.215	N	NA	Ongoing	30.800	32.015	100%	80%	78%	80%	0.950	80.42%	Work in progress. Partial work done for length of 300metre.
12	48	2.285	N	NA	Yet to Started	32.015	34.300					0.000	0.00%	Earth work in embk. is in progress
13	48	0.578	N	NA	Ongoing	34.300	34.878	100%	100%	100%	80%	0.350	97.80%	Work in progress. Partial work done for length of 150 metre.
<b>Total</b>		<b>9.476</b>										<b>1.700</b>		

Table 3-52: Detailed Information Bank Protection Work for Package-2

#	Polder	Length (Km)	Status of Work	Starting Chainage (Km)	End Chainage (Km)	Mobilization	Production of CC Blocks	Placing of CC block	Other related work	Completed Length (km)	Status as of June 2021	Remarks
Package 2						3%	85%	9%	3%			
1	39/2C	1.000	Ongoing	42.600	43.600	100%	100%	100%	50%	1.000	98.50%	Work in progress. 850 meter pitching completed
2	39/2C	2.500	Ongoing	51.500	54.000	100%	100%	75%	50%	2.380	96.25%	Work in progress. 1700 meter pitching completed
3	39/2C	0.287	Yet to Start	54.000	54.287					0.000	0.00%	Next year program
4	41/1	0.215	Yet to Start	5.030	5.245						0.00%	Next year program
5	41/1	0.459	Ongoing	13.230	13.689	100%	100%	75%	70%	0.410	96.85%	Work in progress. Placing work completed 390 meter.
6	43/2C	0.540	Ongoing	13.400	13.940	50%	45%	0%	30%	0.090	40.65%	Work in progress
7	47/2	0.045	Yet to Start	6.105	6.150					0.000	0.00%	Next year program
8	47/2	0.560	Ongoing	6.150	6.710	100%	100%	96%	96%	0.545	99.52%	Work in progress
9	47/2	0.085	Yet to Start	6.710	6.795					0.000	0.00%	Next year program
Total		5.691								4.425		

Table 3-53: Detailed Information Construction of Closure Dam for Package-2

#	Sluice Closure	Polder	Foundation Construction of the Closure	Closing of the Closure	Final protection of the Closure	Weighted % progress, 30 June 2021	LA Problem	LA - Current Status	Remarks
Closure Dam Construction									
1	Pona upper kha	39/2C				0%	N	NA	Next year Program after completion of adjacent sluice
2	Pona lower kha	39/2C				0%	N	NA	Next year Program after completion of adjacent sluice
3	Junia khal	39/2C	100%	100%	100%	100%	N	NA	Completed
4	Telikhali Khal	39/2C				0%	N	NA	Next year Program after completion of adjacent sluice
5	Bamuner Khal	39/2C				0%	N	NA	Next year Program after completion of adjacent sluice
6	Darulhuda Khal	39/2C				0%	N	NA	Next year Program after completion of adjacent sluice
7	Hetaia Khal	39/2C				0%	N	NA	Next year Program after completion of adjacent sluice
8	Nadmula Khal	39/2C				0%	N	NA	Next year Program after completion of adjacent sluice

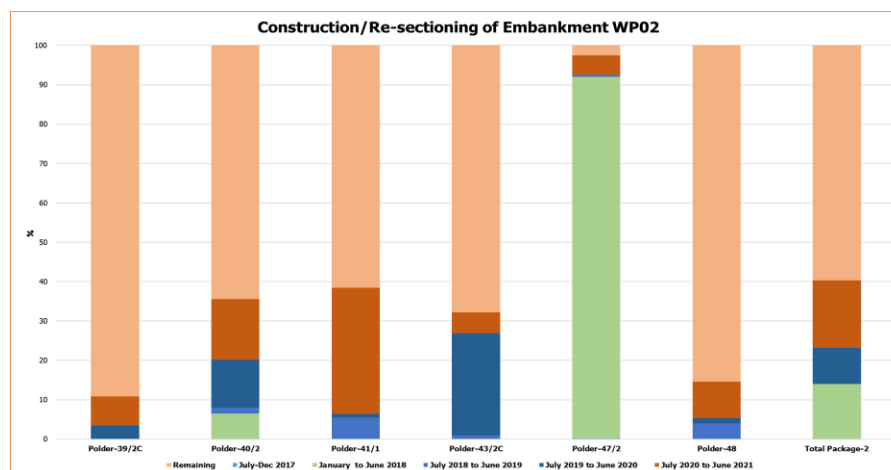


Figure 3-19: Construction/Re-sectioning of Embankment of Package-2

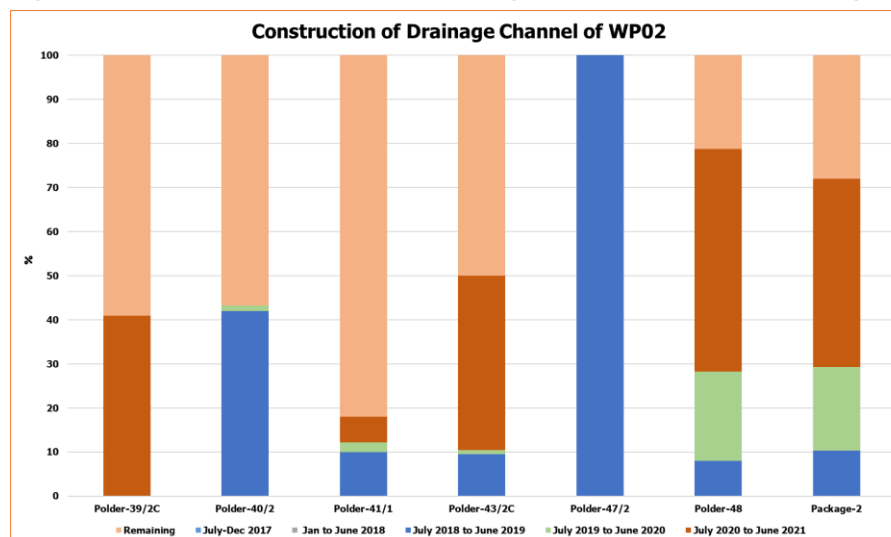


Figure 3-20: Construction of Drainage Channel of Package-2



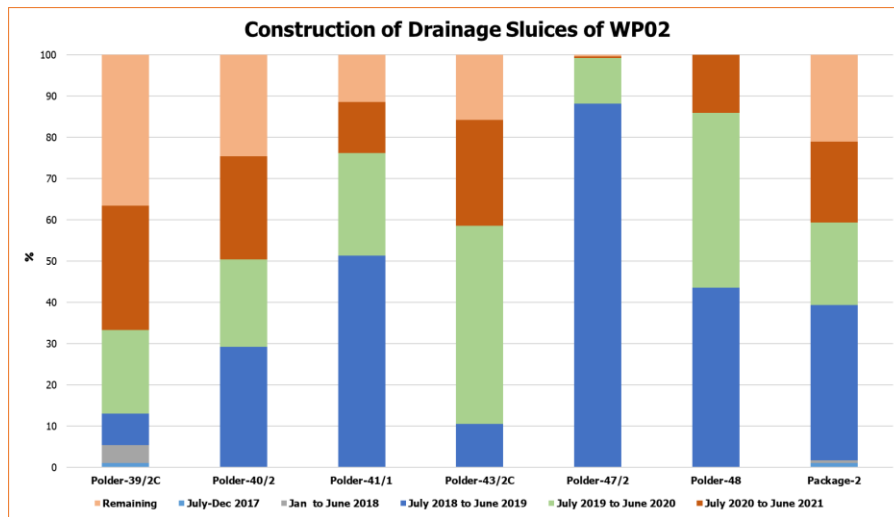


Figure 3-21: Construction of Drainage Sluice of Package-2

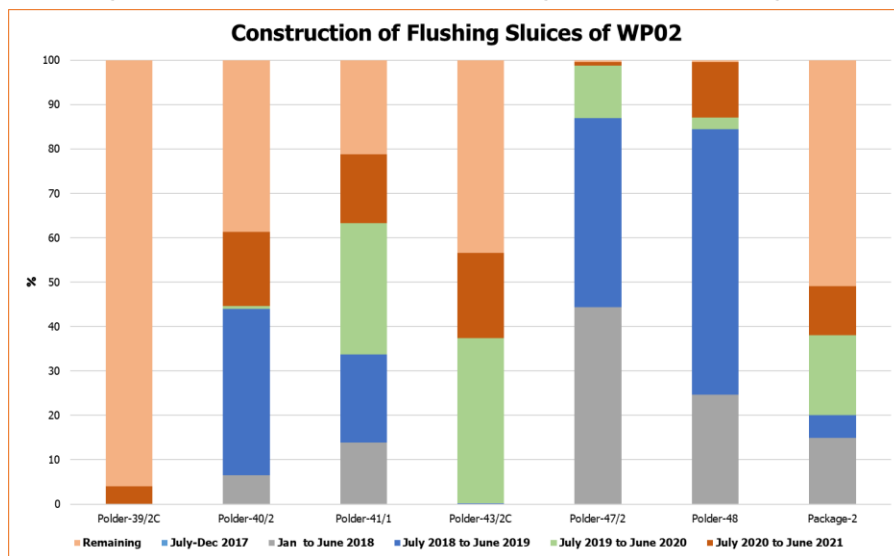


Figure 3-22: Construction of Flushing Sluice of Package-2

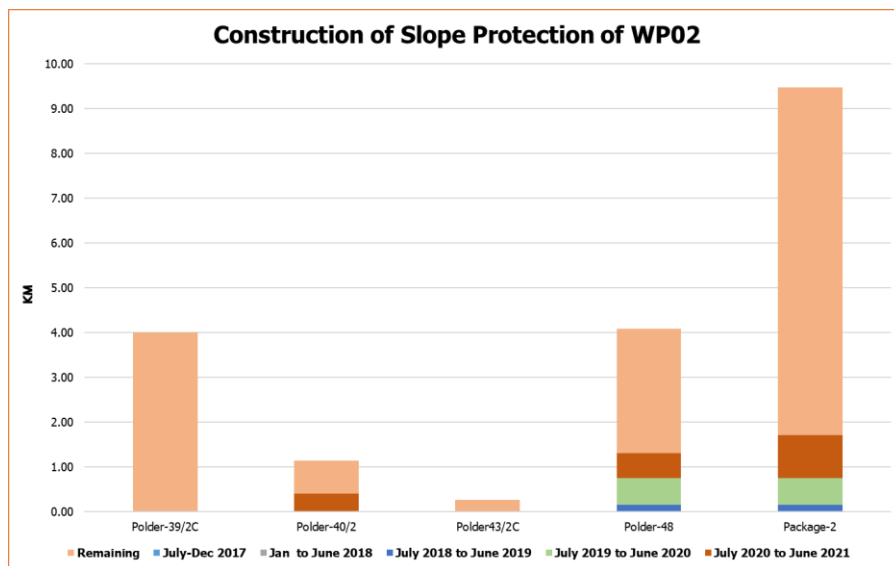


Figure 3-23: Construction of Slope Protection of Package-2

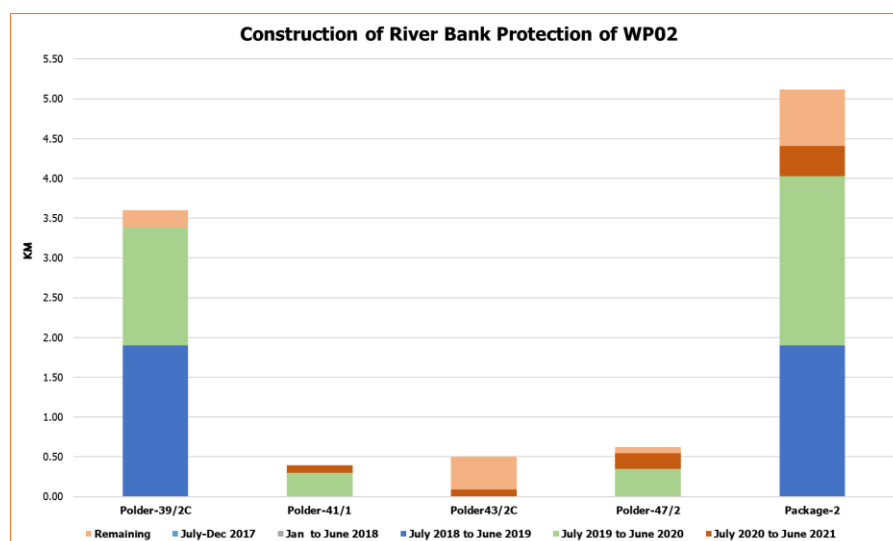


Figure 3-24: Construction of River Bank Protection of Package-2

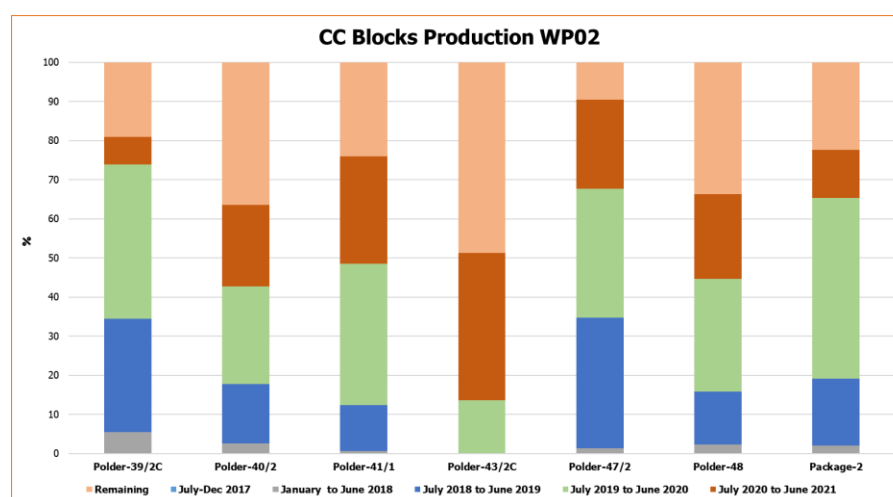


Figure 3-25: CC Blocks Production of Package-2

Table 3-54: CC Blocks Production as on June, 2021

S.N.	Polder Number	Quantity as per Zero Cost Variation (Upto VO No. 01)	Cumulative Total as of 31 May, 2021	Production during June 2021							Cumulative Total as of 30 June, 2021
				40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	60x60x40 (No)	60x60x60 (No)	Total (No)	
1	39/2C	5,328,276	4,293,382	19,662	0	2,076	0	0	0	21,738	4,315,120
2	40/2	429,969	268,188	0	0	0	4,972	0	0	4,972	273,160
3	41/1	590,650	448,519	0	0	0	0	0	0	0	448,519
4	43/2C	435,342	217,381	5,920	0	0	0	0	0	5,920	223,301
5	47/2	482,227	436,327	0	0	0	0	0	0	0	436,327
6	48	539,493	353,260	0	0	0	2,027	1,344	994	4,365	357,625
<b>Total =</b>		<b>7,805,957</b>	<b>6,017,057</b>	<b>25,582</b>	<b>0</b>	<b>2,076</b>	<b>6,999</b>	<b>1,344</b>	<b>994</b>	<b>36,995</b>	<b>6,054,052</b>

### 3.5.3 Deployment List of Contractor Personnel

The Contractor has established their site offices at Bhandaria, Kalapara, Barguna, Patharghata and their field head quarter at Patuakhali. The deployment list of Contractor staff is appended below in Table 3-55.

Table 3-55: Contractor Staffs available in Package-2

Sl. No.	Description	Total Nos.	Dhaka	Patuakhali	39/2C	40/2	41/1	43/2C	47/2	48
1	Management	14	2	0	5	2	1	2	0	2
2	Technical Staff	37	0	0	2	21	3	10	0	1
3	Admin/Support	15	0	0	8	2	2	2	0	1
4	Operator/Driver	102	2	2	45	20	8	10	0	15
5	Skilled Labor	204	1	3	98	35	25	20	0	22
6	Unskilled Labor	421	1	1	154	75	60	50	0	80
<b>Total=</b>		<b>793</b>	<b>6</b>	<b>6</b>	<b>312</b>	<b>155</b>	<b>99</b>	<b>94</b>	<b>0</b>	<b>121</b>

### 3.5.4 Equipment mobilization

The site works of Package-2 are going on with sufficient machineries and equipment. Mobilisation List of Equipment for Package-2 are reflected in Table 3-56 below:

Table 3-56: Mobilisation List of Equipment for Package-2

No.	Equipment Type and Characteristics	No(s)						
		Description	Polder 39/2C	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48
1.	Excavator	25	11	2	6		8	52
2.	Bull Dozer	2	2	1	1		4	10
3.	Dump Truck	8	25	13	13		34	93
	Tractor		20	9	4			33
4.	Pay Loader	6	3	3	4		5	21
5.	Vibratory Roller	3	1	1			1	6
6.	Generator	8	5	7	8		10	38
7.	Vibro Hammer for Sheet Piling	1	1	2	1		1	6
8.	Concrete Batching Plant	4	1				3	8
	Concrete Transit Mixer	1	5	4	7		17	34
	Concrete Pump and CC block making machine	5	1	1			1	8
9.	Water Tanker	1	1	1	1		3	7
10.	Stone Crusher						1	1
11.	Flat top barge / pontoon for dumping Hard Rock /C.C.Block	2		1			1	4
12.	Flat top barge equipped with crane and positioning system for monitoring placing of hard materials and equipment for placing of blocks with dynamic positioning systems	3		3				6
13.	Tug boat	3		1			1	5
14.	Long boom Crane	1					1	2
15.	Double drum power driven mooring winches	1						1
16.	Roller	1						1
17.	Hand operated soil compactor		5	3	1		2	11
18.	Concrete mixer machine with appropriate size of hopper	5	12	12	14		16	59
19.	Concrete vibrator machine			12	12		25	49
20.	Power driven country boat						1	1

No.	Equipment Type and Characteristics	No(s)						
21.	Generator for site electrification	1	6	1	1		4	13
22.	Power pump	4	13	10	4		64	95
23.	Water pump	54	22	43	27		19	165
24.	Sand Piling Equipment	2		4	4			10
25.	Water Sprinkler	1	1	1	1		1	5
26.	Power Broom equipped with blower						2	2
27.	Hauling Equipment			1			2	3
28.	Welding gauge						2	2
29.	Digital Camera				7			7
30.	Desktop Computer	1	1	1	1		2	6
31.	Multifunction colour printer-cum-copier and scanner	1	1	1	1		2	6
32.	DGPS						1	1
33.	Total Station	1						1
34.	Hand held GPS	1	1					2
35.	RTK-GPS Base,Rover and Data logger(TCU/TSC-3)with software	2	2	1	2		3	10
36.	Data Collection/Processing Software						1	1
37.	Optical Level		2		2		2	6
38.	Level staff	2	2	2	1		2	9
39.	Wooden Tripod				2		1	3
40.	Ranging Rod	10						10
41.	Measuring Tape 30m		2	1	2		4	9
42.	Measuring Tape 15m		2	1	2		5	10
43.	Measuring Steel Tape	5	3	4	4		1	17
44.	Laptop computer	1	1	1	1		4	8
45.	Computer(Desktop)				10		1	11
46.	Printer(Laser)	3	3	3	3		3	15
<b>Total=</b>		<b>169</b>	<b>155</b>	<b>151</b>	<b>147</b>	<b>0</b>	<b>261</b>	<b>883</b>



Figure 3-26: Bank Protection with Pitching Works (Polder 39/2C)



Figure 3-27: Ongoing Slope Protection Works (Polder 40/2), Barguna



Figure 3-28: Ongoing DS-3 In Polder-43/2C



Figure 3-29: Retired embankment from Km 6+150 to Km 6+830 in Polder-47/2



Figure 3-30: Slope Protection work For KM 30+800 to Km 31+450 in Polder-48



Figure 3-31: Dumping the CC block work at km6+150 to km 6+710 in Polder-47/2

### 3.5.5 Plans for execution of works

#### Program for Month of July, 2021

##### Polder 39/2C:

##### CC Block Manufacturing Yard1: (A) Nadmulla

- To manufacture monthly scheduled of 80,000 Nos. blocks (40x40x30 cm)

##### CC Block Manufacturing Yard2: (A2) Charkhali

- No Program

##### CC block manufacturing yard 3: (B) Telikhali

- No Program

##### Other Construction Activities

- To complete the turfing work of completed embankment;
- To progress the work of DS-2,6 & 13 ;
- To complete the end termination work at Telekhali;
- To Progress the construction of embankment work;

##### Polder 40/2:

- To complete the turfing work of completed embankment;
- To continue the manufacturing of CC Blocks;
- To progress the slope protection work;
- To progress the construction work of DS-8, 9 & FS-16

#### **Polder-41/1:**

- To continue manufacturing of CC Blocks;
- To complete the turfing work of completed embankment.
- To progress the re-sectioning work of embankment.
- To continue the river bank protection work at Gulbunia site.

#### **Polder 43/2C**

- To continue manufacturing of CC Blocks;
- To progress the construction work of DS-2;
- To complete the turfing work of completed embankment;

#### **Polder-47/2**

- To complete the turfing work of completed embankment;
- To progress the construction work of retire embankment

#### **Polder-48:**

- To continue the manufacturing of CC Blocks;
- To continue the slope protection work of sea dyke at Kuakata Beach;
- To complete the turfing work of completed embankment;

Other structures and embankment works are planned to be started very soon. Site activities on all structures will go through first, second, third fourth dry season. The majority of the sites works are scheduled during these five main dry seasons.

### **3.5.6 Construction of Regional Office Building at Patuakhali, Kalapara and Pathorghata,**

**Regional Office Building at Patuakhali:** Contractor prepared a detailed design of the Regional Office Building at Patuakhali which was submitted to Project Director, CEIP-1, PMU, and was approved. Approved detailed design was sent to the contractor to start the building at Patuakhali. The contractor started the work on 17 April 2019 and building work is in progress. The overall progress is about 92%.

**Vertical Extension of BWDB's Existing Office Building at Kalapara, Patuakhali:** The Building has been completed and handed over to the competent authority.

**Rest house Re-construction at Pathorghata, Barguna:** Re-construction work of Rest House at Pathorghata has been dropped as per decision of the employer and the money saved will be used to construct the Office Building cum Rest House at Bhandaria, Pirojpur District. The variation order for the construction of the Office Building cum Rest House at Bhandaria is in process.

**Boundary Wall at Pathorghata BWDB Colony:** The boundary wall has been 100% completed.

**Laboratory Building at Patuakhali:** The building has been completed and handed over.

### **3.5.7 Emergency works in different Polders**

The Summary as well as the details of the emergency works in different Polders are reflected in the following tables here below.

Table 3-57: Summary of Emergency works under the head of “Environmental Mitigation Works”

Sl. No.	Name of Polder	Total Length	Total Cost Estimate (BDT)
01	Polder-39/2C	0.177	1,666,992.00
02	Polder-40/2	0.35	2,795,174.46
03	Polder-41/1	0.0509	560,125.89
04	Polder-43/2C	0	0.00
05	Polder-47/2	0.848	6,872,990.26
06	Polder-48	0	0.00
<b>Total =</b>		<b>1.426</b>	<b>11,895,283</b>

Total available budget as per Contract is BDT: 12,000,000.00

Table 3-58: Summary of Emergency works under the head of “Physical & Price Contingency”

Sl. No.	Name of Polder	Total Length	Total Cost Estimate (BDT)
01	Polder-39/2C	0.379	3,489,400
02	Polder-40/2	0	0
03	Polder-41/1	0.100	1,143,635
04	Polder-43/2C	0.365	3,404,923
05	Polder-47/2	0.708	3,228,320
06	Polder-48	0.508	12,359,617
<b>Total =</b>		<b>2.060</b>	<b>23,625,895.86</b>

Total budget available for Physical & Price Contingency as per Contract is 500,000,000.00

Table 3-59: Detailed of Emergency Works under the head of "Provisional Sum"

Sl. No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of location	Engineer Approved Date	Estimated Cost in BDT	Remarks	Year
1.	Polder-41/1	5.139	5.190	0.051	Burir Char Barguna	22-Aug-17	560,125.89	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
2.	Polder-47/2	6.168	6.618	0.450	Kalapara	2-Oct-17	1,454,046.70	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
3.	Polder-47/2	6.635	6.660	0.025	Kalapara	2-Oct-17	154,515.16	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
4.	Polder-40/2	12.920	12.989	0.069	Tafalbaria Pathorghata	14-Nov-17	2,795,174.46	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
5.	Polder-40/2	13.215	13.411	0.196	Amount 27,95,174.46	14-Nov-17		Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
6.	Polder-40/2	13.992	14.077	0.085	Amount 27,95,174.46	14-Nov-17		Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
7.	Polder-39/2C	54.195	54.372	0.177	Nadmulla	16-May-18	1,666,992.00	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
8.	Polder-47/2	6.453	6.478	0.025	Kalapara	15-Jul-18	168,575.92	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
9.	Polder-47/2	31.28	31.408	0.128	Kalapara	15-Jul-18	1,418,282.41	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
10.	Polder-47/2	34.305	34.525	0.220	Kalapara	15-Jul-18	3,677,570.07	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
<b>Total</b>				<b>1.426</b>			<b>11,895,282.61</b>		



Table 3-60: Detailed of Emergency Works under the head of "Physical & Price Contingency"

Sl. No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of location	Engineer Approved Date	Estimated Cost in BDT	Remarks	Year
1	Polder-39/2C	0.275	0.440	0.165	Bhandaria, Bamuner Khal	24-Mar-18	1,677,973.00	Physical and Price Contingency	FY 2017-18
2	Polder-39/2C	54.512	54.600	0.088	Nadmulla	9-Sep-19	775,917.00	Physical and Price Contingency	FY 2019-20
3	Polder-39/2C	54.608	54.678	0.070	Nadmulla	9-Sep-19	616,858.00	Physical and Price Contingency	FY 2019-20
4	Polder-39/2C	54.010	54.066	0.056	Nadmulla	29-11-20	418,652.35	Physical and Price Contingency	FY 2019-20
5	Polder-41/1	4.820	4.920	0.100	Payra River	03-05-21	1,143,634.87	Physical and Price Contingency	FY 2020-21
6	Polder-43/2C	19.449	19.509	0.060	Kalapara	09-May-20	2,190,291.84	Physical and Price Contingency	FY 2019-20
7	Polder-43/2C	19.646	19.771	0.125	Kalapara	10-May-20	-	Physical and Price Contingency	FY 2019-20
8	Polder-43/2C	14.300	14.480	0.180	Lohalia River	10-05-21	1,214,631.40	Physical and Price Contingency	FY 2020-21
9	Polder-47/2	6.300	6.375	0.075	Kalapara	01-Aug-18	555,379.53	Physical and Price Contingency	FY 2017-18
10	Polder-47/2	6.550	6.592	0.042	Kalapara	01-Aug-18	290,209.45	Physical and Price Contingency	FY 2017-18
11	Polder-47/2	6.670	6.692	0.022	Kalapara	01-Aug-18	109,704.67	Physical and Price Contingency	FY 2017-18
12	Polder-47/2	6.710	6.727	0.017	Kalapara	01-Aug-18	103,196.95	Physical and Price Contingency	FY 2017-18
13	Polder-47/2	6.265	6.745	0.480	Kalapara	09-May-20	1,870,572.37	Physical and Price Contingency	FY 2019-20
14	Polder-47/2	2.545	2.617	0.072	Pairpur	10-May-20	299,257.47	Physical and Price Contingency	FY 2020-21
15	Polder-48	31.060	31.220	0.160	Kuakata	08-Apr-19	2,414,561.67	Physical and Price Contingency	FY 2017-18
16	Polder-48	31.280	31.408	0.128	Kuakata	29-Jul-18	1,840,849.69	Physical and Price Contingency	FY 2018-19
17	Polder-48	34.305	34.525	0.220	Kuakata	08-Jun-18	8,104,205.60	Physical and Price Contingency	FY 2018-19
<b>Total</b>				<b>2.060</b>			<b>23,625,895.86</b>		

### 3.5.8 Finance (Invoices) Contractor Package-2

**IPC-01** of Contractor Package-2 concerned the first instalment of the 5% Advanced payment and was paid on 28 June 2017;

**IPC-02** concerned the second instalment of the 5% Advanced payment which was recommended by the Engineer and was paid by the Employer on June 2018;

**IPC-3** was recommended by the Engineer and paid by the Employer on 20 June 2018;

**IPC-4** was submitted to the Employer on 29<sup>th</sup> October 2018 by the Engineer with recommendation for payment and paid by the Employer on 19 December 2018;

**IPC-5** was submitted to the Engineer on 27 December 2019 and it was sent by the Engineer to the Employer on 10 January 2019 with recommendation for payment and paid by the Employer on 30 January 2019.

**IPC-6** was submitted to the Engineer on 28 February 2019 and the IPC was sent by the Engineer to the Employer on 14 March 2019 with recommendation for payment and paid by the Employer on 28 March 2019;

**IPC-7** was submitted to the Engineer on 28 April 2019 and the IPC was sent by the Engineer to the Employer on 05 May 2019 with recommendation for payment and paid by the Employer on 22 May 2019;

**IPC-8** was submitted to the Engineer on 25 June 2019 and the IPC was sent by the Engineer to the Employer on 27 June 2019 with recommendation for payment and paid by the Employer on 27 June 2019;

**IPC-9** was submitted to the Engineer on 29 June 2019 and the IPC was sent by the Engineer to the Employer on 30 June 2019 with recommendation for payment and paid by the Employer on 30 June 2019;

**IPC-10** was submitted to the Engineer on 22 October 2019 and the IPC was sent by the Engineer to the Employer on 05 November 2019 with recommendation for payment and paid by the Employer on 22 December 2019;

**IPC-11** was submitted to the Engineer on 04 February 2020 and the IPC was sent by the Engineer to the Employer on 06 February 2020 with recommendation for payment and paid by the Employer on 19 February 2020;

**IPC-12** was submitted to the Engineer on 04 March 2020 and the IPC was sent by the Engineer to the Employer on 07 March 2020 with recommendation for payment and paid by the Employer on 24 March 2020;

**IPC-13** was submitted to the Engineer on 25 April 2020 and the IPC was sent by the Engineer to the Employer on 18 May 2020 with recommendation for payment;

**IPC-14** was submitted to the Engineer on 28 June 2020 and the IPC was sent by the Engineer to the Employer on 30 June, 2020 with recommendation for payment and paid by the Employer on 30 June, 2020.

**IPC-15** was submitted to the Engineer on 14 March, 2021 and the IPC was sent by the Engineer to the Employer on 22 March, 2021 with recommendation for payment and paid by the Employer on 07<sup>th</sup> April, 2021.

**IPC-16** was submitted to the Engineer on 22<sup>nd</sup> May, 2021 and the IPC was sent by the Engineer to the Employer on 24<sup>th</sup> May, 2021 with recommendation for payment and paid by the Employer on 13<sup>th</sup> June, 2021.

**IPC-17** was submitted to the Engineer on 28<sup>th</sup> June, 2021 and the IPC was sent by the Engineer to the Employer on 30<sup>th</sup> June, 2021 with recommendation for payment and paid by the Employer on 30<sup>th</sup> June, 2021.

### 3.5.9 Contract Modifications

The variation order for the construction of the Office Building cum Rest House at Bhandaria has been prepared following the instructions of the Project Director and submitted to PMU vide Engineer's Ref. No. RDCOR\_BC5883-100\_L002586\_JHL\_MAR dated; 28<sup>th</sup> May, 2020. The Engineer has not yet received any instruction in this respect from the Project Director, CEIP-1.

The Contractor was requested to submit an Updated Revised Work Program considering the Completion date of the Contract is 30<sup>th</sup> June, 2022 receiving a verbal consent from the Competent Authority. Accordingly, the Contractor submitted an Updated Revised Work Program and that was reviewed by the Engineer and submitted to the PMU vide Consultant's letter No. RDCOR\_BC5883-100\_L002900\_JHL\_MAR dated: 20<sup>th</sup> January, 2021. The Contractor submitted the S-curve based on the Revised Updated Work Program and that has been reviewed by the Consultants and incorporated in the Monthly Progress Report of June, 2021.

- The Contractor submitted a Claim for Extension of Time and the Claim was evaluated by the Engineer and the Claim evaluation report was submitted to PMU vide Engineer's Ref. No. RDCOR\_BC5883-100\_L002759\_JHL\_MAR dated; 25<sup>th</sup> October, 2020. The submitted evaluation report was reviewed by the PMU and provided some observations on the report. Accordingly, the report was corrected and submitted to the PMU vide Engineer's letter no. RDCOR\_BC5883-100\_L002844\_JHL\_MAR dated: 27<sup>th</sup> December, 2020. The Employer informed that the notice for formal Extension of Time could not be issued till the validity period of Performance Security is extended. Accordingly, the Contractor has been requested to extend the validity period of Performance Security up to 28<sup>th</sup> July, 2023. The Contractor has extended the validity period of Performance Certificate up to 28<sup>th</sup> July, 2023 and submitted to the Engineer's office which has been submitted to the PMU vide Engineer's ref.no. RDCOR\_BC5883-100\_L003057 dated: 15<sup>th</sup> April, 2021. However, the Extension of Time (EoT) for Contract No. CEIP-1/W-02 has been approved by the competent authority up to June 30, 2022 which is informed by the Project Director vide memo no. CEIP-1/W-02/695 dated: 14<sup>th</sup> June, 2021.



### 3.5.10 Tentative Forecast of Payment of Package-W-2:

Table 3-61: Revised Tentative forecast of Payment for FY 2020-21 of Package-2

IPC No.	Month of Submission	Forecast Value of IPC in BDT	Remark
IPC No.15	March, 2021	191,962,165.00	IPC No. 15 was submitted by the Contractor with a value of BDT 191,962,165.12 and the IPC was reviewed and sent by the Engineer to the Employer on 22 March, 2021 with recommendation for payment.
IPC No.16	May, 2021	551,538,260.00	IPC No. 16 was submitted by the Contractor with a value of BDT 503,029,978.33 and the IPC was reviewed and sent by the Engineer to the Employer on 24 May, 2021 with recommendation for payment.
IPC No.17	June, 2021	827,307,390.00	IPC No. 17 has been submitted by the Contractor with a value of BDT 452,957,664.15 and the IPC has been reviewed and sent by the Engineer to the Employer on 30 June, 2021 with recommendation for payment.
<b>Total=</b>		<b>1,570,807,815.00</b>	

## 3.6 Task D: Project Management Support Services

### 3.6.1 Financial Projection

Disbursements of funds for IPCs are well-known and the planned future disbursements depend on the work plan works scheduling. IPC is submitted when the monetary value of the works done over a new period reaches a threshold value (percentage of the contract value). In general, during a good construction season, each IPC amount of every month to be minimum US\$ 1.53 Million and US\$ 5.56 Million for Package-1 & Package-2 respectively considering the completion date up to June, 2021 for Package-1 and June, 2022 for Package-2. The Contractor of Package-1 has submitted IPC No.26 and the Contractor of Package-2 has submitted IPC No. 17 in the month of June, 2021. The next IPCs are, however, expected by October, 2021 for both the Packages.

### 3.6.2 Modification of Consultancy Contract

The Modified Contract No.03 of DDCCS & PMS Consultants has been signed by the Project Director and the Consultants on 15<sup>th</sup> December, 2019. Addendum No. 1 of DDCCS & PMS Consultancy Services has been submitted to PMU vide Engineer's Ref. No. RDCOR\_BC5883-100\_L002743\_JHL\_AAM dated; 12<sup>th</sup> October, 2020. The approval of the Addendum No. 1 is in process. However, the Employer has approved the Extension of Time (EOT) for the Consultancy Services for "Detail Design, Construction Supervision and Project Management Support" Contract No. CEIP-1/B2, B3 & C1/S-2 up to June 30, 2022 with the condition that no claim will be acceptable due to this Extension of Time which is communicated to the Team Leader of the Consultants by the Project Director vide Memo No. CEIP-1/S-21/130 dated: 28<sup>th</sup> January, 2021.

### 3.7 Consultant Inputs

#### 3.7.1 Staffing and staff changes approved or in process during the month

Table 3-62: Overview of Staffing (including Proposed Replacements)

Description of Staffs	Position	Original Staff	Current Staff	Remarks
<b>A. International Key Staff</b>	Team Leader	Jean Henry Laboyrie	Jean Henry Laboyrie	
	Design Engineer	Alec Sleigh	Arend Jan van de kerk	
	River Training Engineer	Bert te Slaa	Bert te Slaa	
	Sociologist/Resettlement Specialist	Dr. Salim Zaman	Dr. Salim Zaman	
	Quantity Surveyor - 1	Barbara Hellet	Mr. Rainier Manansala Dela Cruz	
	Construction Resident Engineer - 1	Trevor Morish Hale	Trevor Morish Hale	
	Construction Resident Engineer - 2	Gerard Pichel	GM Akram Hossain	
	Contract Management Specialist	Rob Brouwer	Rob Brouwer	
	Procurement Specialist	Barbara Hellet	Barbara Hellet	
	Environmental Specialist	Henk Blok	Henk Blok	
	Morphological Modeler	Henrik Rene Jensen	Henrik Rene Jensen	
	Environmental Specialist	Anders Malgrem Hansen	Anders Malgrem Hansen	
<b>B. International Non-Key Staff</b>	Quantity Surveyor - 2	Andrew Cook	Andrew Cook	
	Sociologist/Resettlement Specialist	Roy Timmer	Dr. Salim Zaman	
	Geo-Technical Engineer	Joost van der Schrier	Joost van der Schrier	
<b>A. National Key Staff</b>	Estuary and River Morphology Modeler	Bo Brahtz Christensen	Bo Brahtz Christensen	
	River and Coastal Expert	Ranjit Galappatti	Ranjit Galappatti	
	Deputy Team Leader	Md. Habibur Rahman	Md. Habibur Rahman	
	Deputy Resident Engineer - 1	Mazibur Rahman Khan	Mr. A.K.M. Sayeed Uddin	
<b>A. National Non-Key Staff</b>	Deputy Resident Engineer - 2	Md. Gulzer Hossain	Mr. Mohammad Ali	
	Re-settlement Specialist/Sociologist	Kh. Khairul Matin	Md. Zainal Abedin	
<b>A. National Non-Key Staff</b>	Design Engineer	Md. Anwar Hossain Bhuiyan	Md. Anwar Hossain Bhuiyan	
	Geo-Technical Engineer	Md. Nurul Islam	Md. Nurul Islam	
	Design Engineer	Mr. Mahbubur Rahman	Mr. Mahbubur Rahman	
	Environmentalist	Sheikh Muhammad Abdur Rashid	Sheikh Muhammad Abdur Rashid	
	Sociologist/Resettlement Specialist	Md. Ferdous Rahman	Md. Ferdous Rahman	
	Geographical Information System Expert	Md. Monirul Haque	Md. Monirul Haque	
	Procurement Specialist	Md. Humayun Kabir	Md. Humayun Kabir	
	Senior Estimator - 1	Md. Ansar Ali Mia	Md. Ansar Ali Mia	
	Senior Estimator - 2	Md. Nazrul Islam	Md. Nazrul Islam	
	Survey Engineer - 1	Pankaj Kumar Moitra	Pankaj Kumar Moitra	
	Survey Engineer - 2	Md. Amirul Islam	Md. Amirul Islam	
	Survey Engineer - 3	ABM Anwar Haidar	Abu Taiub Mia	
	Junior Design Engineer - 1	Ms. Selina Akhter	Ms. Selina Akhter	
	Junior Design Engineer - 2	Ms. Shaikh Naureen Laila	Ms. Selina Akhter	N/A
	Auto CAD Specialist - 1	Ms. Marjan Mallik	Md. Asadujjaman	
	Auto CAD Specialist - 2	Biprojit Paul	Ms. Nahid Farjana	
	River and Coastal Expert	Md.Zahirul Haque Khan	Md.Zahirul Haque Khan	
	Construction Supervision Engineer -1	Md. Mukhlesur Rahman	S.M. Saiful Islam	
	Construction Supervision Engineer - 2	Shyamal Kumar Dutta	Shyamal Kumar Dutta	
	Construction Supervision Engineer - 3	SK Golam Quader	Md. Mainul Islam	N/A
	Construction Supervision Engineer - 4	Abdul Jalil	AKM Mazibur Rahman	
	Quality Control Specialist - 1	Md. Abdur Razzaque Khan	Md. Delowar Hossain	
	Quality Control Specialist - 2	Md. Sekendar Ali	Md. Rafiqul Alam	
	Procurement / Contract Management Specialist	Md. Tafazzal Ali	Md. Aminur Rahman	
	Environmental Specialist	Dr. Quazi Alamgir Kabir	Abu Bakr Siddique	
	Resettlement Specialist/Sociologist	Md. Mustafizur Rahman	Md. Mustafizur Rahman	N/A
	Land Acquisition Officer	Benu Gopal Dey	Kh. Mahabub Alam	
	Geo-Technical and Foundation Specialist	Mizanur Rahman	Ashraf Ul Abedin	N/A
	Mechanical Engineer - 1	Monojit Kumar Bagchi	Monojit Kumar Bagchi	N/A

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Description of Staffs	Position	Original Staff	Current Staff	Remarks
	Mechanical Engineer - 2	Md. Rashidul Islam	Md. Rashidul Islam	
	Agronomist	Dr. Santosh Kumer Sarker	Dr. Santosh Kumer Sarker	N/A
	Fisheries Expert	Md. Mokammel Hossain	Md. Mokammel Hossain	N/A
	Senior Estimator - 2	Md. Nazrul Islam	Md. Nazrul Islam	N/A
	Economist	Md. Aminul Islam	Md. Aminul Islam	
	Construction Supervision Engineer - 5	Md. Sadiquul Islam	Md. Sadiquul Islam	
	Construction Supervision Engineer - 6	Md. Ghiasuddin Ahmad	Md. Ghiasuddin Ahmad	
	Quality Control Specialist - 3	Md. Ali Jinnah	Md. Ali Jinnah	
	Quality Control Specialist - 4	Md. Harun Ur Rashid	Md. Harun Ur Rashid	
<b>A. Others Staffs</b>	Office Manager	Md. Shahadat Hossain	Md. Shahadat Hossain	
	Office Manager (Khulna)	Jakir Hossen	Md. Mizanur Rahman	
	Office Manager (Patuakhali)	Mehede Hasan	Mehede Hasan	
	Accounts Officer (Dhaka)	Md. Fazlul Karim Khan	Md. Fazlul Karim Khan	
	Accounts Officer (Dhaka)	Md. Badarudduza	Md. Badarudduza	
	Office Secretary (Dhaka)	Mahmuda Islam	Mahmuda Islam	
	Computer Operator (Dhaka)	Md. Abdulla Al Mamun	Md. Abdulla Al Mamun	
	Computer Operator (Dhaka)	Md. Delowar Hossain	Md. Delowar Hossain	
	Field Engineer	Md. Hasibur Rahman	Md. Hasibur Rahman	
	Field Engineer	Md. Lakidul Islam	Md. Lakidul Islam	
	Field Engineer	Md. Samsul Alam -1	Md. Samsul Alam	
	Field Engineer	Md. Jamal Uddin	Md. Jamal Uddin	
	Field Engineer	Khandaker Shamim Ahmed	Khandaker Shamim Ahmed	
	Field Engineer	Md. Monirul Islam	Md. Monirul Islam	
	Field Engineer	Md. Shohel Rana	Md. Shohel Rana	
	Field Engineer	Md. Abdulla Al Mamun	Md. Abdulla Al Mamun	
	Field Engineer	Md. Rakibul Islam Nahid	Md. Rakibul Islam Nahid	
	Field Engineer	Md. Lutfor Rahman	Md. Lutfor Rahman	
	Field Engineer	Sufia Parvin	Sufia Parvin	
	Field Engineer	Kamrul Hasan	Kamrul Hasan	
	Field Engineer	Mst. Mousumi Khatun	Mst. Mousumi Khatun	
	Field Engineer	Noor A Alam	Noor A Alam	
	Field Engineer	Pritom Mondal	Pritom Mondal	
	Field Engineer	S.M. Shamim Hasan	S.M. Shamim Hasan	
	Field Engineer	Md. Monir Hossain	Md. Monir Hossain	
	Field Engineer	Md. Istique Uddin	Md. Istique Uddin	
	Lab Technician	Md. Aminur Rahman	Md. Aminur Rahman	
	Lab Technician	Md. Rubayat Hossain	Md. Rubayat Hossain	
	Lab Technician	Swapan Kumar Sarker	Swapan Kumar Sarker	
	Lab Technician	Md. Ohidul Islam Sheikh	Md. Ohidul Islam Sheikh	
	Office Secretary (Patuakhali)	Abdullah Al Masun	Abdullah Al Masun	
	Computer Operator (Khulna)	Hosnewara Khatun	Hosnewara Khatun	
	Computer Operator	Md. Bellal Hossain	Md. Bellal Hossain	
	Computer Operator	Md. Kazi Rezaul Hoque	Md. Kazi Rezaul Hoque	
	Computer Operator	Md. Jakaria Islam	Md. Jakaria Islam	
	Office Peon	Md. Jahangir Alam	Md. Jahangir Alam	
	Office Peon	Md. Gaffar Sarker	Md. Gaffar Sarker	
	Office Peon (Khulna)	Md. Sojib Hossen	Md. Sojib Hossen	
	Office Peon (Patuakhali)	Md. Rownaqul Islam	Md. Rownaqul Islam	
	Office Peon (Patuakhali)	Md. Babul Akhter	Md. Babul Akhter	
Office Peon (Dhaka)	Sohan Mia	Sohan Mia		
Messenger (Dhaka)	Sheikh Rabiul Islam	Sheikh Rabiul Islam		
Cleaner/ Chowkidar	Md. Shohidul Islam	Md. Shohidul Islam		
Cleaner/ Chowkidar	Nargis Begum	Nargis Begum		
Chowkidar (Khulna)	Ariful Islam	Ariful Islam		

### 3.7.2 Monthly Tentative Forecast of Payment for DDCS & PMS Consultants:

Table 3-63: Revised Tentative forecast of payment for DDCS & PMS Consultants for FY 2020-2021

Invoice No.		Submission Month	Projected Value of Invoice (BDT)/(EURO)	Actual Value of Invoice (BDT)/(EURO)	Remarks
<b>Local Currency</b>					
LC-34		October, 20	19,589,003.00	14,624,097.66	
LC-35		December, 20	14,669,770.00	10,962,805.39	
LC-36		January, 21	13,811,729.00	13,811,729	
LC-37		March, 21	25,000,000.00	17,692,742.45	
LC-38		May, 21	25,000,000.00	5,543,294.37	
LC-39		June, 21	25,000,000.00	3,656,867.77	
<b>Total</b>			<b>123,070,502.00</b>	<b>66,291,536.64</b>	
<b>Foreign Currency</b>					
FC-34	July-August, 20	October, 20	62,739.00	62,739.09	
FC-35	September-October, 20	December, 20	94,638.00	94,637.90	
FC-36	Nov-Dec, 20	January, 21	96,035.00	96,035	
FC-37	January - February 21	March, 21	111,023.00	75,660.61	
FC-38	March-April 21	May, 21	111,548.00	100,467.43	
FC-39	May-June 21	June, 21	120,117.00	51,317.18	
<b>Total</b>			<b>596,099.00</b>	<b>429,540.03</b>	

### 3.7.3 Finance (Invoices) RHDHV/DDCS & PMS Consultants

Table 3-64: Overview of Consultants Invoices since Project Inception

SI No. of Invoices	Payment in EURO			Payment in BDT		
	Amount invoiced	Date submitted	Date paid	Amount invoiced	Date submitted	Date paid
Advance Payment	481,134.90	30-Dec-14	1-Apr-15	59,249,809.60	30-Dec-14	1-Apr-15
Invoice No 1	50,908.14	25-May-15	11-Jun-15	1,119,426.94	15-June-15	16-Jun-15
Invoice No 2	129,241.61	25-May-15	11-Jun-15	5,952,195.13	17-June-15	16-Jun-15
Invoice No 3 (Part)	60,000.00	21-June-15	22-Jun-15	7,967,524.20	30-Jun-15	30-Jun-15
Invoice No 3 (Part)	70,282.49	21-June-15	06-Oct-15	33,150,070.88	30-Jun-15	27-Sep-15
Invoice No 4	206,972.03	27-Sep-15	02-Dec-15	14,332,732.78	27-Sep-15	29-Nov-15
Invoice No 5	169,555.53	15-Nov-15	10-Dec-15	25,991,948.77	30-Nov-15	10-Jan-16
Invoice No 6	74,062.24	17-Jan-16	04-Feb-16	14,590,698.64	03-Jan-16	27-Jun-16
Invoice No 7	201,749.51	01-June-16	30-Jun-16	15,016,503.44	19-June-16	30-Jun-16
Invoice No 8	140,967.65	01-June-16	30-Jun-16	692,718.66	19-June-16	30-Jun-16
	0.00			36,351,389.86	19-June-16	10-Nov-16 (Partly Paid)
Invoice No 9	153,881.30	30-June-16	30-Jun-16	19,138,626.07	27-Nov-16	02-Mar-17
Invoice No 10	243,824.28	23-Oct-16	09-Nov-16	15,095,311.81	27-Nov-16	02-Mar-17
Invoice No 11	224,255.11	06-Nov-16	1-Jun-17	15,623,144.38	07-Dec-16	18-May-17
Invoice No 12	211,748.62	15-Jan-17	1-Jun-17	51,335,041.98	15-Jan-17	18-May-17
Invoice No 13	149,954.66	10-Apr-17	1-Jun-17	25,796,446.77	16-Mar-17	18-May-17
Invoice No 14	51,073.50	3-May-17	18-06-17	9,847,754.23	1 Jun-17	29-Jun-17
Invoice No 15	359,744.20	16-Oct-17	10-Dec-17	18,863,496.23	29-Jun-17	29-Jun-17 (Partly)



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SI No. of Invoices	Payment in EURO			Payment in BDT		
	Amount invoiced	Date submitted	Date paid	Amount invoiced	Date submitted	Date paid
	0.00	16-Oct-17	10-Dec-17	3,123,876.54	10-Dec-17	10-Dec-17 (Partly Payment)
Invoice No. 16	82,732.65	26-Oct-17	10-Dec-17	28,318,643.89	10-Dec-17	29-Jan-18
Invoice No. 17	129,562.33	22-Nov-17	03-Dec-17	1,597,5427.00	10-Dec-17	29-Jan-18
Invoice No. 18	216,541.94	25-Feb-18	30-Apr-18	18284749.64	19-Apr-18	30-Apr-18
Invoice No. 19	126,541.94	15-Apr-18	30-Apr-18	25067376.46	19-Apr-18	30-Apr-18
Invoice No. 20	90,204.56	4-Jun-18	9-Jun-18	36,031,005.53	27-May-18	9-Jun-18
Invoice No. 21	85,705.24	21-June-18	30-Jun-18	18,677,806.77	30-June-18	30-June-18
Invoice No. 22	135,163.94	10-Sep-18	23-Dec-18	20,437,707.45	10-Oct-18	09-Dec-18
Invoice No. 23	122,330.66	01-Jan-19	30-Mar-19	127,219,58.17	20-Dec-18	20-Feb-19
Invoice No. 24	94,865.43	01-Jan-19	25-Mar-19	12,123,246.79	11-Feb-19	25-Mar-19
Invoice No. 25	101,908.93	14-Mar-19	25-Mar-19	28,104,552.17	21-May-19	30-May-19
Invoice No. 26	102,016.32	26-Jun-19	27-Jun-19	14,008,004.31	27-Jun-19	27-Jun-19
Invoice No. 27	88,698.49	30-Jun-19	30-Jun-19	14,240,648.43	30-Jun-19	30-Jun-19
Invoice No. 28	24,002.59	19-Dec-19	20-Jan-20	37,413,649.93	19-Dec-19	20-Jan-20
Invoice No. 29	60,375.90	19-Dec-19	20-Jan-20	21,506,237.37	19-Dec-19	20-Jan-20
Invoice No. 30	199,141.45	24-Feb-20	25-Feb-20	19,736,470.06	27-Feb-20	25-Feb-20
Invoice No. 31	97400.49	18 Mar-20	30-Jun-20	28,623,021.06	08-May-20	17-May-20
Invoice No. 32	82,884.43	8-May-20	30-Jun-20	18,373,088.31	08-May-20	17-May-20
Invoice No. 33	67,391.39	30-Jun-20	30-Jun-20	18,132,800.03	30-Jun-20	30-Jun-20
Invoice No. 34	62,739.09	14-Oct-20	12-Jan-21	14,624,097.66	14-Oct-20	12-Jan-21
Invoice No. 35	94,637.90	13-Dec-20	12-Jan-21	10,962,805.39	03-Dec-20	12-Jan-21
Invoice No. 36	96,035	15-Mar-21		13,811,729	15-Mar-21	30-Jun-21
Invoice No. 37 (Part)	32,840.43	15-Mar-21	30-Jun-21	12,149,448.08	15-Mar-21	30-Jun-21
Invoice No. 37 (Part)	42,777.61	1-Apr-21	30-Jun-21	5,543,294.37	30-Jun-21	30-Jun-21
Invoice No. 38	100,467.43	20-May-21	30-Jun-21	3,656,867.77	30-Jun-21	30-Jun-21
Invoice No. 39	51,317.18	30-Jun-21	30-Jun-21			
<b>Total Amount Invoiced =</b>	<b>5,367,639.09</b>			<b>809,168,671.55</b>		

## Annex 1: Updated Physical Site Works: Package-1& 2

### Package-1 (weightage basis)

BoQ Item	Activity Name	Unit	Weightage	Weight (Partial)	Name of Work	Quantity as per VO No. 4	Actual Quantity	Percentage Completed	Weighted Percentage	Achieved Weightage	Status as of June 2021	Contract Value as per Variation No. 4 (BDT)	Cumulative Value of Work Executed (BDT)	Cumulative Amount of Permanent Work (BDT)	Cumulative Amount including Permanent Work, Tax+Vat & Price Adjustment (BDT)	Projection (BDT) during FY 2020-21
Item No. 1	General Mobilisation		7.52%					90.00%	6.772%	6.7723%	90.00%	496,465,529.00	446,818,976.10	444,355,913	458,589,037	36,143,444
Item No. 2	Embankment Construction/ Re-sectioning	Cum	21.96%			5,877,718	5,797,398	98.63%	21.6594%	21.6594%	98.63%	1,448,823,605.00	1,429,025,287.66	1,362,195,546	1,452,439,614	217,738,554
Item No. 3	Drainage Channel Excavation/ Re-excavation	Cum	2.18%			1,517,116.65	1,311,588.15	86.45%	1.888%	1.8876%	86.45%	144,057,665.00	124,541,726.13	115,676,790	137,070,809	28,380,876
Item No. 4	Drainage Sluice Construction	No	9.89%							9.8624%	99.70%	668,068,356.80	666,102,032.23	574,775,251.51	697,318,950.12	77,171,378
				0.47%	Casting Block size 40cm x 40cm x 20cm.	99,800	95,492	95.68%	0.445%			30,694,992.88	29,370,067.49			
				0.34%	Casting Block size 30cm x 30cm x 30cm.	78,201	75,936	97.10%	0.326%			22,142,752.80	21,501,353.62			
				9.09%	Other Drainage Sluices Construction Works	615,230,611.12	615,230,611	100.00%	9.091%			615,230,611.12	615,230,611.12			
Item No. 5	Drainage Sluice Repair	No	0.13%							0.1261%	99.03%	8,401,731.00	8,320,407.13	4,811,160.60	6,058,359.25	2,589,063
				0.02%	Casting Block size 40cm x 40cm x 20cm.	2,746	2,627	95.68%	0.016%			1,081,234.32	1,034,563.69			
				0.02%	Casting Block size 30cm x 30cm x 30cm.	2,199	2,135	97.10%	0.018%			1,196,319.00	1,161,665.76			
				0.09%	Other Drainage Sluices Repair Works	6,124,178	6,124,178	100.00%	0.093%			6,124,177.68	6,124,177.68			
Item No. 6	Flushing Inlet Construction	No	5.70%							5.6779%	99.67%	378,908,707.59	377,670,769.16	241,562,499.38	294,349,939.93	31,563,300
				0.25%	Casting Block size 40cm x 40cm x 20cm.	53,581	51,268	95.68%	0.236%			16,252,564.00	15,551,034.77			
				0.28%	Casting Block size 30cm x 30cm x 30cm.	37,946	36,847	97.10%	0.273%			18,518,228.00	17,981,818.80			
				5.17%	Other Flushing Inlets Construction Works	344,137,916	344,137,916	100.00%	5.170%			344,137,915.59	344,137,915.59			
Item No. 7	Flushing Inlet Repair	No	1.25%							1.2414%	99.45%	82,361,662.08	81,904,952.93	18,016,449.81	22,859,711.96	32,915,000
				0.08%	Casting Block size 40cm x 40cm x 20cm.	5,164	4,941	95.68%	0.073%			5,028,158.00	4,811,121.49			
				0.13%	Casting Block size 30cm x 30cm x 30cm.	7,040	6,836	97.10%	0.122%			8,274,117.00	8,034,444.37			
				1.05%	Other Flushing Inlets Repair Works	69,059,387	69,059,387	100.00%	1.047%			69,059,387.08	69,059,387.08			
Item No. 8	Embankment Slope Protection Work	Km	21.68%							20.4354%	94.25%	1,430,472,110.00	1,348,269,623.01	968,954,081.79	1,135,864,542.20	386,431,539
				6.08%	Casting Block size 40cm x 40cm x 40cm.	535,776	496,322	92.64%	5.628%			400,844,743.00	371,327,040.20			
				9.61%	Casting Block size 40cm x 40cm x 20cm.	1,825,019	1,793,041	98.25%	9.446%			634,312,437.71	623,197,990.23			
				1.52%	Casting Block size 40cm x 40cm x 30cm.	259,730	161,729	62.27%	0.949%			100,560,583.44	62,617,006.73			
				4.47%	Other Embankment Slope Works	294,754,345.85	291,127,585.85	98.77%	4.413%			294,754,345.85	291,127,585.85			
Item No. 9	River Bank Protection Work	Km	22.72%							21.7963%	95.94%	1,498,882,474.37	1,438,055,269.20	1,298,043,199.61	1,595,463,799.84	181,592,001
				11.12%	Casting Block size 40cm x 40cm x 40cm.	1,316,537	1,219,589	92.64%	10.300%			733,565,236.88	679,546,415.31			
				1.17%	Casting Block size 40cm x 40cm x 20cm.	167,329	164,397	98.25%	1.154%			77,473,494.91	76,116,001.29			
				8.27%	Casting Block size 30cm x 30cm x 30cm.	2,080,445	2,062,771	99.15%	8.197%			545,430,610.37	540,797,014.86			
				0.03%	Casting Block size 40cm x 40cm x 30cm.	2,490	1,550	62.27%	0.020%			2,166,048.00	1,348,753.53			
				2.13%	Other Bank Protection Works	140,247,084.22	140,247,084.22	100.00%	2.126%			140,247,084.22	140,247,084.22			
Item No. 10	Dismantling Work	Km	2.03%			133,991,406	93,793,984.20	70.00%	1.422%	1.4216%	70.00%	133,991,406.00	93,793,984.20	18,840,272.29	22,220,310.65	24,375,000
Item No. 11	Closure Dam Construction	Km	2.77%							2.7726%	100.00%	182,925,081.00	182,925,081.00	182,925,080.64	239,265,401.08	116,381,769
				0.69%	Foundation Construction of the Closure	45,731,270	45,731,270.00	100.00%	0.693%			45,731,270.00	45,731,270.00			
				0.55%	Closing of the closure	36,585,016	36,585,016.00	100.00%	0.555%			36,585,016.00	36,585,016.00			
				1.52%	Final Protection Work of the Closure	100,608,795	100,608,795.00	100.00%	1.525%			100,608,795.00	100,608,795.00			
	Schedule of Day work		0.36%			23,712,392	18,993,034	80.10%	0.288%	0.2879%	80.10%	23,712,392.00	18,993,033.50	3,762,435	3,917,144	20,480,500
	Environmental Mitigation Works		0.91%			60,200,000	56,491,360	93.84%	0.856%	0.8562%	93.84%	60,200,000.00	56,491,359.67	54,100,000.00	55,791,109.52	4,408,640
	Emergency Works		0.89%			58,913,141	58,913,141	100.00%	0.893%	0.8929%	100.00%	58,913,141	58,913,141.00	50,341,510.05	52,180,864.32	
	Physical and Price Contingencies		0.00%			241,086,859	304,075,783	126.13%	0.000%			241,086,859	304,075,783.40	0.00		95,990,510
	Temporary Savings		0.00%			111,842,485	-	0.00%	0.000%			111,842,485	0.00			
	Estimated Adjustment in VAT (BDT)											85,164,872				
	Estimated Adjustment in IT (BDT)											189,384,811				
			100.00%							95.69%	95.69%	7,243,662,887.41	6,635,901,426.33	5,338,360,189.05729	6,173,389,593.09	1,256,161,575

## Package-2

**Bangladesh Water Development Board (BWDB)**  
**Coastal Embankment Improvement Project, Phase-1 (CEIP-1)**

BoQ Item	Activity Name	Unit	Weightage	Weight (Partial)	Name of Work	Quantity as per VO No. 01	Actual Quantity of work executed	Percentage Completed	Weighted Percentage	Achieved Weightage	Status on June 2021	Value (BDT) as per VO No. 01	Cumulative Value of Work Executed (BDT)	Cumulative Amount of Permanent Work (BDT)	Cumulative Amount including Permanent Work, Tax+Vat & Price Adjustment (BDT)	Projection (BDT) during FY 2020-21
<b>Item No. 1</b>	General Mobilization		<b>1.17%</b>					61.70%	0.72%	0.720%	61.70%	<b>114,147,100.00</b>	<b>70,429,126.98</b>	<b>69,397,471.00</b>	<b>72,155,809.54</b>	<b>15,000,000.00</b>
<b>Item No. 2</b>	Embankment Construction/ Re-sectioning	Cum	<b>17.98%</b>			7,028,144	2,831,891	40.29%	7.24%	7.243%	40.29%	<b>1,757,533,176.00</b>	<b>708,173,080.02</b>	<b>526,031,900.36</b>	<b>568,088,419.74</b>	<b>548,869,671.77</b>
<b>Item No. 3</b>	Drainage Channel Excavation/ Re-excavation	Cum	<b>1.96%</b>			1,196,248.73	861,669.93	72.03%	1.41%	1.414%	72.03%	<b>191,966,386.45</b>	<b>138,275,309.57</b>	<b>78,054,948.03</b>	<b>84,697,135.15</b>	<b>47,929,846.32</b>
<b>Item No. 4</b>	Drainage Sluice Construction	No	<b>16.00%</b>							12.633%	78.96%	<b>1,564,264,329.54</b>	<b>1,235,172,082.70</b>	<b>980,161,111.18</b>	<b>1,203,844,082.94</b>	<b>505,830,933.27</b>
				0.93%	Casting Block size 40cm x 40cm x 40cm.	90,872	50,022	55.05%	0.51%			90,450,353.92	49,789,810.37			
				0.44%	Casting Block size 30cm x 30cm x 30cm.	177,079	104,508	59.02%	0.26%			43,030,197.00	25,395,364.76			
				14.63%	Other Drainage Sluices Construction Works	1,430,783,778	1,159,986,907	81.07%	11.86%			1,430,783,778.62	1,159,986,907.58			
<b>Item No. 5</b>	Drainage Sluice Repair	No	<b>0.19%</b>							0.109%	58.19%	<b>18,234,536.00</b>	<b>10,610,983.91</b>	<b>2,099,581.55</b>	<b>2,490,499.85</b>	<b>7,628,722.55</b>
				0.03%	Casting Block size 40cm x 40cm x 20cm.	12,365	15,448	124.93%	0.04%			3,326,185.00	4,155,470.05			
				0.05%	Casting Block size 30cm x 30cm x 30cm.	20,000	11,804	59.02%	0.03%			4,860,000.00	2,868,252.56			
				0.10%	Other Drainage Sluices Repair Works	10,048,351	3,587,261	35.70%	0.04%			10,048,351.00	3,587,261.31			
<b>Item No. 6</b>	Flushing Inlet Construction	No	<b>8.97%</b>							4.397%	49.02%	<b>877,089,164.92</b>	<b>429,942,326.09</b>	<b>229,788,426.03</b>	<b>278,685,749.09</b>	<b>213,143,463.72</b>
				0.68%	Casting Block size 40cm x 40cm x 40cm.	67,196	36,989	55.05%	0.38%			66,884,210.56	36,817,458.59			
				0.29%	Casting Block size 30cm x 30cm x 30cm.	118,648	70,023	59.02%	0.17%			28,831,464.00	17,015,621.49			
				7.99%	Other Flushing Inlets Construction Works	781,373,490	376,109,246	48.13%	3.85%			781,373,490.36	376,109,246.00			
<b>Item No. 7</b>	Flushing Inlet Repair	No	<b>0.17%</b>							0.103%	61.09%	<b>16,495,126.00</b>	<b>10,076,604.18</b>	<b>2,428,329.98</b>	<b>2,918,674.30</b>	<b>48,323,905.91</b>
				0.02%	Casting Block size 40cm x 40cm x 20cm.	6,390	7,983	124.93%	0.02%			1,718,910.00	2,147,468.95			
				0.05%	Casting Block size 30cm x 30cm x 30cm.	21,000	12,394	59.02%	0.03%			5,103,000.00	3,011,665.19			
				0.10%	Other Flushing Inlets Repair Works	9,673,216	4,917,470	50.84%	0.05%			9,673,216.00	4,917,470.04			
<b>Item No. 8</b>	Embankment Slope Protection Work	Km	<b>13.49%</b>							7.779%	57.67%	<b>1,318,889,277.05</b>	<b>760,580,560.12</b>	<b>682,880,271.45</b>	<b>736,814,699.11</b>	<b>731,727,253.94</b>
				3.67%	i) CC Block: 40cm x 40cm x 30cm.	862,037	464,558	53.89%	1.98%			358,607,392.00	193,256,063.20			
				1.83%	ii) CC Block: 40cm x 40cm x 40cm.	321,340	267,596	83.27%	1.52%			178,665,040.00	148,783,288.39			
				1.75%	iv) CC Block: 60cm x 60cm x 40cm.	85,910	71,501	83.23%	1.46%			171,283,062.50	142,555,118.75			
				3.16%	v) CC Block: 60cm x 60cm x 60cm.	101,059	56,205	55.62%	1.76%			309,207,190.53	171,968,752.35			
				3.08%	Other Embankment Slope Works	301,126,592.02	104,017,337.43	34.54%	1.06%			301,126,592.02	104,017,337.43			
<b>Item No. 9</b>	River Bank Protection Work	Km	<b>37.18%</b>							30.544%	82.15%	<b>4,050,125,322.64</b>	<b>3,326,760,129.36</b>	<b>2,960,435,669.61</b>	<b>3,186,595,142.04</b>	<b>479,294,923.59</b>
				32.78%	Casting Block size 40cm x 40cm x 40cm.	5,763,564	4,799,607	83.27%	27.29%			3,560,345,080.96	2,964,876,894.57			
				0.67%	Casting Block size 40cm x 40cm x 30cm.	158,497	85,415	53.89%	0.36%			73,242,624.00	39,470,968.78			
				3.73%	Other Bank Protection Works	364,564,708.15	282,183,718.05	77.40%	2.89%			416,537,617.67	322,412,266.01			
<b>Item No. 10</b>	Dismantling Work of sluices and road	Km	<b>0.59%</b>							0.087%	14.76%	<b>57,489,951.02</b>	<b>8,487,726.05</b>	<b>9,029,803.48</b>	<b>10,560,115.88</b>	<b>1,920,000.00</b>
				0.385%	Dismantling Works of existing roads	37,628,302	4,515,396	12.00%	0.05%			37,628,301.90	4,515,396.23			
				0.203%	Dismantling Works of existing Sluices	19,861,649	3,972,330	20.00%	0.04063%			19,861,649.12	3,972,329.82			
<b>Item No. 11</b>	Construction of Khal Crossing Closures	No.	<b>1.03%</b>			101,123,200	12,640,400	12.50%	0.13%	0.129%	12.50%	<b>101,123,200.00</b>	<b>12,640,400.00</b>	<b>12,640,400.00</b>	<b>12,811,045.40</b>	<b>63,202,000.00</b>
<b>Item No. 12</b>	Construction of Road Pavement over Embankment	Km	<b>0.00%</b>			-	-	0.00%	0.00%	0.000%	0	<b>0.00</b>	<b>0.00</b>			<b>0.00</b>
<b>Item No. 13</b>	Construction of RCC Flood Wall	Km	<b>0.00%</b>			-	-	0.00%	0.00%	0.000%		<b>0.00</b>	<b>0.00</b>			<b>0.00</b>
	Schedule of Day work		<b>0.52%</b>			51,240,887	-	0.00%	0.00%	0.000%	0.00%	<b>51,240,887.20</b>	<b>0.00</b>			<b>4,050,000.00</b>
	Environmental Mitigation Works		<b>0.66%</b>			64,354,491	14,651,755	22.77%	0.15%	0.150%	22.77%	<b>64,364,491.00</b>	<b>14,654,031.73</b>	<b>2,115,728.96</b>	<b>2,219,773.03</b>	<b>1,500,000.00</b>
	Emergency Works (Charge to Physical Contingencies)		<b>0.09%</b>			9,212,768	9,212,768	100.00%	0.09%	0.094%	100.00%	<b>9,212,767.58</b>	<b>9,212,767.58</b>	<b>25,517,729.78</b>	<b>26,725,865.05</b>	
	Physical and Price Contingencies					490,787,232	-	0.00%	0.00%	0.000%		<b>490,787,232.42</b>	<b>0.00</b>	<b>0.00</b>	<b>30,246,938.97</b>	<b>5,000,000.00</b>
	Temporary Savings											<b>216,601,686.83</b>				
	Estimated Adjustment in VAT (BDT)											<b>243,531,659.13</b>				
	Estimated Adjustment in IT (BDT)											<b>344,772,983.21</b>				
<b>Total</b>			<b>100.00%</b>							<b>65.40%</b>	<b>65.40%</b>	<b>11,487,869,276.99</b>	<b>6,735,015,128.30</b>	<b>5,580,581,371.41</b>	<b>6,218,853,950.09</b>	<b>2,673,420,721.06</b>

## Annex 2: Labour Influx Report

Initial information on labour influx risks, requirements and implication for work package W-01 under CEIP-1

1. PROJECT DATA		
1.1	Name of Project	Coastal Embankment Improvement Project - Phase I (P128276)
1.2	Contract Package	Package-1
1.3	Date of Commencement	January 2016
1.4	Date of Completion	June 2021
1.5	Location	Polder-32 and Polder-33 under Khulna district; & Polder-35/1; Polder-35/3 under Bagerhat District
1.6	Name and Contact Information (email/phone) of Contractor	CHWE, mainland China
1.7	Name and Contact Information (email/phone) of all sub-Contractors	Project Manager Mr. Sun Huaxin; No sub-contractors; about 56 Chinese and skilled workers influx; 01 Indian worker; local labour and foremen about 610 persons;
1.8	Type of Works (single site, linear, clustered and construction duration)	Civil engineering/hydraulic works: earthen embankment; water control sluices; river bank protection works; embankment slope protection works; closure dam; offices and site buildings; excavation of sediment internal channels (khals); social re-afforestation; single and localized sites, stand-alone site for construction of one structure or one stretch of embankment etc; These are the standard engineering interventions in a typical coastal polder in Bangladesh, since 'time immemorial'; no rocket science; a lot of manual labour work activities, for men and women both;

2. INITIAL SCREENING LABOR INFLUX REQUIREMENTS AND IMPLICATIONS		
2.1	Will the project potentially involve an influx of migrant workers? If yes, are there also foreign labourers mobilized on site?	Yes, there are Migrant workers' influx at Project area, relatively small numbers and scattered all over the many construction sites; foreign labourers yes, Chinese & Indian, around 56 persons including middle technicians and Master of Science level engineers; The mobilization of foreign worker started in November 2015 and on ward.
2.2	Is the influx of non-local workforce significant for the local community?	Not significant because there are many stand-alone construction sites and the number of Chinese/foreign workers per stand-alone site is about 3 to 5 Chinese men; this is not disruptive for the social cohesion of the local site; local stand-alone construction sites are mostly far away from community centres (rural setting, remote sites; sluices are not located inside a community); In the camp site, there have a separate place for their living, dining. Also police from local Thana/authority provide the security for the safety of Chinese workers. There have two or three local translator; if any problem arises they will arrange communication with local people. Even now there is no complain from local people, mentioned that in camp site also have a register to note down to take proper action within appropriate time.

2. INITIAL SCREENING LABOR INFLUX REQUIREMENTS AND IMPLICATIONS		
		At least certain percentage of local people would have been mobilized in civil work that would be beneficial for the local people.
2.3	What are the opportunities for local laborers?	Of course there were opportunities for local worker in civil work. Local residents are poor people with virtually no mobility or transport facilities and are employed in agriculture, aquaculture and civil construction works such as road, buildings etc. in 'urban' areas, mostly intermittent job contracts. There is some small business such as small shops, chicken and duck breeding/farm, aquaculture, and motorbike repair workshops etc which do not employ many people; e.g. Polder-35/1 is located 100 km away from the city of Khulna, hence not much influx from Khulna to Polder-35/1; due to few numbers of small rudimentary road tracks, there is hardly any economic traffic to the 4 Polders; one needs to cross many rivers with (small) ferries; labour market is non-existent for local laborers; Recently for polder-32, 206 local workers engaged for construction workers; P-33, 80 local workers; P-35/1, 207 local workers; P-35/3, 70 local workers. There are no women because, for heavy civil work women are not suitable. By negotiating we fixed the salary, so there is no unsatisfactory and no complain.
2.4	Frequency of outsider's visit	Chinese labourers are generally permanently stationed and working; they live together inside a fenced compound, with professional security guards; Non-local labours are regular, but they have the seasonal vacation during rainy season.
2.5	Environmental sensitivity of the project site	Refer to the four approved EIA Reports of the 4 Polders; in general, the close location of the border lines of the Sundarbans mangrove forest prompt the Chinese Contractor to take care/be alerted of the possible negative impacts on the water, noise, environment, biodiversity of the Sundarbans;
2.6	Community experience with similar projects?	Much community experience yes as all 139 coastal polders were built back in the 1970s and 1980s and had undergone many subsequent small and big interventions, emergency works, repair and recovery after huge flood disaster events etc.; local labourers are fully familiar with similar types of civil engineering works; And also familiar with the similar movement of non-local labour because in coast region in different time different improvement work have done throughout the specific period.

3. SOCIO-ECONOMIC CONSIDERATIONS		
3.1	How similar are local and migrant labour backgrounds? (cultural, religious and demographic considerations)	The background particularly cultural, religious and demographic point of view is dissimilar in many ways and similar in some ways. They have different language, ethnicity, belief system even political system but it does not create any problem to perform the job or pose any risk for the project. The migrant is few in number that does not make any imbalance in local social coherence. The main similarities imply that both groups come from same profession;  There is no issue at all, because the non-local workers are busy in day time for work. Also the work site is located in different place from their residence. No negative impact on job market because this project makes the more opportunity of job for local people.

		Group means not like two separate parts. Both local and non-local workers are working as a part of the project as like a team work.
3.2	Are there increased competitions for resources (e.g. accommodation, water, food, fuel) with the local community?	Absolutely not;
3.3	Given local community characteristics any specific adverse impacts anticipated?	No adverse impact is anticipated at the moment;

4. LOCAL COMMUNITY (Please provide Polder wise description of Facilities)			
4.1	Size of Local Population	Bangladesh is highly densely populated country but the project area has lesser density. It is found from the RAP document that inside the Polder-32, 33, 35/1 and 35/3 the total population amounts to 38397, 62305, 99182 and 33075 respectively.	
4.2	Working age population and capacity (education, skills, experience)	The labour force (age between 15 and 59 year), the actual number of people available for work is 61%. The labour force includes both the employed and the unemployed. According to BBS, 30% of the people fall in the age group 1-15 year. The literacy rate in the project area roams around 58% whereas the national figure is 51.8%. The livelihood of 66.1% of people depends on agriculture activities;	
4.3	Working age population capacity	<i>Education</i>	<i>Skill</i>
		No information is available	No information
4.4	Local capacity for infrastructure, services, utilities, health (please provide a short brief)	Inside the 4 Polders, both earthen and pucca roads are available and there are waterways also. There are academic institution, market, religious institution, local government offices, providing necessary public services to the local people. Motor bikes play important role to communicate in project areas. Auto rickshaw is main transportation vehicle;	
		No there is no impact of these facility due to the inflow of chines people.	
4.5	Availability of accommodation, food, water (please provide a short brief)	Contractor provides adequate accommodation, water and food, protective sheds etc to their workers; Yes these facilities are easily available for rent and consumption	
4.6	Are there any security considerations?	Not from the local governments; Contractor is now paying for the security force mainly in work site cum residential sites.	
4.7	Are there any marginalized, vulnerable, ethnic, indigenous- communities?	Some marginalized and vulnerable people are in the project side like other places of the country but there are no ethnic and indigenous groups.	

5. MAINTENANCE OF OTHER LABOR RECORDS		
5.1	Is a copy of photo ID of each labourer kept with the Contractor/ Sub-contractor?	Yes. NID for local workers and visa copy for chinese workers; no sub-contractors;
5.2	Is contact information of labour's next-of-kin kept for each labourer?	Yes. Family members are mostly close-by. Chinese contractor recruits mainly from the locality;

6. LABOR PROFILE (Please provide Polder wise information)						
<i>This data is to be collected for each Polder where civil works has commenced, and cover the regular labour, temporary labour, labour hired through sub-contractors or labour contractors / groups.</i>						
6.1	Number of laborers by sex	Male		Female	Total	
		252		2	227	
6.2	Number of laborers by skill	Skilled	Semi-skilled	Unskilled	Total	
		157	58	12	227	
6.3	Number of laborers by origin	Local (same or adjoining district)	Other districts	Other Country	Total	
		180	30	17	227	
6.4	Number of laborers by age	18-25		25-50	Above 50	Total
		187		32	08	227
6.5	Source of labour	Contractor	Subcontractor	Independent	Other	Total
		227	0	0	0	227

7. FACILITIES (Please provide Polder wise description of Facilities)					
7.1	Details of labour camps	Number	Permanent/Temp.	Location	Distance from nearest village/habitation
		2	Permanent	Every CC blocks yard and every work site	Almost within 100m
		4	Temporary		
7.2	Type of housing in labour camp on leased land (temporary shelters / kuchha / pukka)	Work site have temporary shelter but cc block yard has pukka house			
7.3	Is there any housing on public land like roadsides, open fields and other spaces?	No. Only housing exist inside the constructional premises.			
7.4	Is there any housing in rented accommodation in residential areas? If so, who is it rented by?	Yes, for the Chinese and Bangladeshi senior staff. Contractor rents the buildings themselves			
7.5	How many laborers have families on/near worksite?	The migrant workers do not live with their family. Sometime their family member visit here for very short time. The local worker mostly live with their family			
7.6	Likelihood of family members accompanying (visiting)	They hardly visit the project side. Labourers have family homes close by; daily transport is done by motorbikes or by vehicles of Contractor			
7.7	Is drinking water available on site and at the campsite?	Yes			
7.8	Are latrines and urinals provided on site and at the campsite?	Yes			
7.9	Are First Aid facilities provided on site?	Yes			
7.10	Does a doctor visit the worksite / campsite	Yes			

	regularly?	
7.11	Is there a tie-up with a hospital or dispensary near the worksite / campsite	Yes
7.12	Is there a facility for cooking / canteen facility for all labour?	Yes
7.13	Are leisure activities / facilities available for all labour	Yes
7.14	Is transport to and from the worksite provided to labour?	Yes, for migrant labourer but no provision for unskilled local labourer.

8. SUPERVISION BY LABOR OFFICIALS		
8.1	Has the worksite / campsite been inspected by a labour official?	In 20-22 November, 2017 and 04-06 February, 2018 WB team visited the work area of CEIP-1,
8.2	How many times has the worksite / campsite been inspected by a labour official since commencement of work?	Six times since commencement from WB. From the part of PMU and BEDB, visited the worksite frequently, as per the need basis.
8.3	What documents were inspected by labour officials?	Accident /injury register, salary sheet/record
8.4	What documents were maintained and which ones were not?	Safety training record, accident register, safety guideline document, compliance register, GRM system notice. Nothing missing, if anything required please give us the valuable suggestion. We will ensure it in work site.
8.5	What directions were given by labour officials?	About personal health and safety
8.6	What is the mode of compliance with such directions?	Action taken in field level as soon as possible
8.7	Are you facing any legal proceedings on labour issues in Labour Court/ Other?	None;

9. ACCIDENTS, EMERGENCIES AND INCIDENTS (Please provide Polder wise description of Facilities)		
9.1	What is the nature of accidents / emergencies usually occurring at a worksite like yours?	No accident so far has been taken place
9.2	Is a functioning First Aid available at the campsite / worksite?	Yes
9.3	Is functioning fire-fighting equipment available at the campsite / worksite?	Yes
9.4	Which is the nearest doctor / clinic / dispensary?	Within some kilometres, alert by mobile phone of which the number is known to all Chinese people (Chinese medical doctor available); doctor covers the four Polders
9.5	Which is the nearest hospital?	The nearest hospital is situated at Upazila head quarter. But there some clinic or satellite clinic



9. ACCIDENTS, EMERGENCIES AND INCIDENTS (Please provide Polder wise description of Facilities)		
		inside the polder. If any worker required critical services then he/she refer to Khulna or Dhaka. The contractor have own car for every camp site and CC block manufacturing site to transport he/she to Khulna or Dhaka.
9.6	Which is the nearest Police Station?	In any Polder, there is Police office close-by, within 10 km range. On the other hand, a team of 2-3 nos. police available in work camp site and cc block manufacturing site cum residential site. If required they will help us. But even no situations arise to do this.
9.7	Are details of nearest doctor / clinic / dispensary / hospital / Police station available and prominently displayed at worksite / campsite?	Yes
9.8	What is the system of informing next of kin?	For the migrant worker, there is focal person to deal with the issue. The contact numbers of all workers are well documented. For the local worker, the system is same. Bengali senior staff employed by the Chinese contractor.
9.9	What is your familiarity with accident reporting procedures?	Chinese Contractor holds regular drills on procedures and protocols to enact in case of accidents
9.10	What is your familiarity with police reporting procedures?	We are well familiar to local police reporting system and we have their contact number and relation. So far, no such incident whereby Police is to be called upon. It is worthy to mention that Contractor site camps are secured by police protection permanently.
9.11	Is there any mechanism to address the work place Sexual Harassment of Women at the project sites?	Yes (sanctions are known to Chinese workers and their bosses). Mechanism is there. We have gender policy. There is complaint system to mitigate sexual harassment. Finally, legal step can be applied where necessary;

**Initial information on labour influx risks, requirements and implication for work package W-02 under CEIP-1**

10. PROJECT DATA		
1.1	Name of Project	Coastal Embankment Improvement Project - Phase I (CEIP-1)
1.2	Contract Package	Package-2
1.3	Date of Commencement	12 <sup>th</sup> July, 2017
1.4	Date of Completion	30 <sup>th</sup> June, 2022
1.5	Location	Polder-39/2C, Polder-40/2, Polder-41/1, Polder-43/2C, Polder-47/2 & Polder-48
1.6	Name and Contact Information (email/phone) of Contractor	Chongqing International Construction Corporation cicobangladesh@gmail.com/+8801917264485
1.7	Name and Contact Information (email/phone) of all sub-Contractors	None
1.8	Type of Works (single site, linear, clustered and construction duration)	<ol style="list-style-type: none"> <li>1. Upgrading via new construction and re-sectioning of embankments with a length of about 209km;</li> <li>2. Excavation and re-excavation of drainage channels in the Polders with a total length of about 188km;</li> <li>3. Construction of 50 drainage sluices;</li> <li>4. Repairing of 6 drainage sluices;</li> <li>5. Construction of 73 flushing sluices;</li> <li>6. Repairing of 8 flushing sluices;</li> <li>7. Construction of embankment slope protection works with a total length of some 9.5km;</li> <li>8. Construction of river bank protection works with a total length of 5.40 km;</li> <li>9. Construction of 8 Khal Closing Closures with varying widths between 35m to 60m;</li> <li>10. Dismantling of 36 drainage sluices, 70 flushing sluices and road pavement for about 50 km;</li> <li>11. Construction of RCC Flood wall with a length of about 17km;</li> <li>12. Construction of Road Pavement with a length of about 51km.</li> </ol> <p>Construction duration: 42 months</p>

11. INITIAL SCREENING LABOR INFLUX REQUIREMENTS AND IMPLICATIONS		
2.1	Will the project potentially involves an influx of migrant workers? If yes, are there also foreign laborers mobilized on site?	Yes, scattering all over the construction sites. There are no foreign labours mobilized onsite.
2.2	Is the influx of non-local workforce significant for the local community?	Yes, these benefits are typically related to economic opportunities through employment and/or training by the project, or through selling goods and services. Other benefits include the provision of local infrastructure (e.g., access roads, power or water connection) which is developed for the project and which serves the community beyond the project duration.
2.3	What are the opportunities for local laborers?	It will bring more employment opportunities to the local labours. It will improve the education status because of workers' training.
2.4	Frequency of outsider's visit	Normal
2.5	Environmental sensitivity of the project site	Fuel supply for cooking and heating, fuel storage area, by-pass road construction, sanitation, water supply and construction work.

2.6	Community experience with similar projects?	Embankment construction, Bridge construction and road pavement construction
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**12. SOCIO-ECONOMIC CONSIDERATIONS**

3.1	How similar are local and migrant labour backgrounds? (cultural, religious and demographic considerations)	The labour no matter where they from are Bangladesh citizen. They almost have the same cultural and religious background. The demographics are shifted just from one region to another and there is no change on total demographics of Bangladesh.
3.2	Are there increased competitions for resources (e.g. accommodation, water, food, fuel) with the local community?	More water, electricity, medical services, transport, education and social services will be required with the execution of works.
3.3	Given local community characteristics any specific adverse impacts anticipated?	It will bring more influx of additional population and Increased pressure on accommodations and rents, Increase in traffic and related accidents

**13. LOCAL COMMUNITY (Please provide Polder wise description of Facilities)**

4.1	Size of Local Population	Polder-39/2C: 84853, Polder-40/2: 41317, Polder 41/1: 41051, Polder-43/2C: 14851, Polder-47/2: 5411, Polder-48: 26260		
4.2	Working age population and capacity (education, skills, experience)	No information		
4.3	Working age population capacity	<i>Education</i>	<i>Skill</i>	<i>Experience</i>
		No information	No information	No information
4.4	Local capacity for infrastructure, services, utilities, health (please provide a short brief)	The health centre and hospital are available in local place.		
4.5	Availability of accommodation, food, water (please provide a short brief)	Accommodation, water and food is available to the local community.		
4.6	Are there any security considerations?	Yes		
4.7	Are there any marginalized, vulnerable, ethnic, indigenous- communities?	No		

**14. MAINTENANCE OF OTHER LABOR RECORDS**

5.1	Is a copy of photo ID of each labourer kept with the Contractor/ Sub-contractor?	Yes
5.2	Is contact information of labour's next-of-kin kept for each labourer?	No

**15. LABOR PROFILE (Please provide Polder wise information)**

*This data is to be collected for each Polder where civil works has commenced, and cover the regular labour, temporary labour, labour hired through sub-contractors or labour contractors / groups.*

6.1	Number of laborers by sex	<i>Male</i>		<i>Female</i>		<i>Total</i>
		788		5		793
6.2	Number of laborers by skill	<i>Skilled</i>	<i>Semi-skilled</i>	<i>Unskilled</i>	<i>Total</i>	
		359	158	222	793	
6.3	Number of laborers by origin	<i>Local (same or adjoining)</i>	<i>Other districts</i>	<i>Other Country</i>	<i>Total</i>	

		<i>district)</i>				
		721	72	0		793
6.4	Number of laborers by age	18-25		25-50	Above 50	Total
		300	485	8		793
6.5	Source of labour	Contractor	Subcontractor	Independent	Other	Total
		793			0	793

16. FACILITIES (Please provide Polder wise description of Facilities)					
7.1	Details of labour camps	Number	Permanent/Temp.	Location	Distance from nearest village/habitation
		6	Temporary	Near the project site	Within 1 km
7.2	Type of housing in labour camp on leased land (temporary shelters / kuchha /pukka)	Temporary shelter			
7.3	Is there any housing on public land like roadsides, open fields and other spaces?	Yes, there are housings on open field.			
7.4	Is there any housing in rented accommodation in residential areas? If so, who is it rented by?	Yes, it is rented by the Chinese Contractor as temporary shelter.			
7.5	How many laborers have families on/near worksite?	No information			
7.6	Likelihood of family members accompanying (visiting)	Not allowed			
7.7	Is drinking water available on site and at the campsite?	Yes			
7.8	Are latrines and urinals provided on site and at the campsite?	Yes			
7.9	Are First Aid facilities provided on site?	Yes			
7.10	Does a doctor visit the worksite / campsite regularly?	No, sometimes.			
7.11	Is there a tie-up with a hospital or dispensary near the worksite / campsite	Yes			
7.12	Is there a facility for cooking / canteen facility for all labour?	No			
7.13	Are leisure activities / facilities available for all labour	Yes			
7.14	Is transport to and from the worksite provided to labour?	Yes			

17. SUPERVISION BY LABOR OFFICIALS		
8.1	Has the worksite / campsite been inspected by a labour official?	No
8.2	How many times has the worksite / campsite been inspected by a labour official since commencement of work?	None
8.3	What documents were inspected by labour officials?	None
8.4	What documents were maintained and which ones were not?	None

8.5	What directions were given by labour officials?	None
8.6	What is the mode of compliance with such directions?	None
8.7	Are you facing any legal proceedings on labour issues in Labour Court/ Other?	No
<b>18. ACCIDENTS, EMERGENCIES AND INCIDENTS (Please provide Polder wise description of Facilities)</b>		
9.1	What is the nature of accidents / emergencies usually occurring at a worksite like yours?	Drowning, Injury from machine
9.2	Is a functioning First Aid available at the campsite / worksite?	Yes
9.3	Is functioning fire-fighting equipment available at the campsite / worksite?	Yes
9.4	Which is the nearest doctor / clinic / dispensary?	Polder-39/2C: Digital X-ray Clinic, 5 minutes by car away from the campsite, 01717-997-914, Kamrunnasar Polder-41/1: DR.Abudus salam M.B.B.S Ex-medical officer of Barguna general hospital, clinic-sharif x-ray clinic, Dispensary mouir medical hall. Polder-47/2: 1 km from our working site to the nearest dispensary Polder-48: 100 m from our temporary camps to the nearest dispensary but the doctor and clinic are 1 km away.
9.5	Which is the nearest hospital?	Polder-39/2C: Upazila Health Complex, 5 minutes by car away from the campsite, 01735-950-462, Fakrel Islam. Polder-41/1: Barguna sader hospital Polder-47/2: 10 km from our working site to the nearest hospital. Polder-48: the nearest hospital is 3 km towards the seaside.
9.6	Which is the nearest Police Station?	Polder-39/2C: Bhandaria Police station, 5 minutes by car away from the campsite, 01713-374-337, Kamruzzaman. Polder-41/1: Barguna sader police station. Polder-47/2: 8 km from our working site to the nearest police station. Polder-48: the nearest police station is 3 km approximately around the third bridge.
9.7	Are details of nearest doctor / clinic / dispensary / hospital / Police station available and prominently displayed at worksite / campsite?	Polder-39/2C: Yes, such information shall be printed on paper and displayed at the site office. Polder-41/1: DR.Abudus salam M.B.B.S Ex-medical officer of Barguna general hospital, clinic-sharif x-ray clinic, Dispensary mouir medical hall, Barguna sader hospital, Barguna sader police station, above mentioned details information is true and they are able to respond within short period and mentioned location is very nearest to our worksite. Polder-47/2: Yes. Such, information shall be printed on paper and displayed at the site office. Polder-48: Yes, such information shall be printed on paper and displayed at the site office.
9.8	What is the system of informing next of kin?	A phone number chat including all the Chinese people has been distributed to all working site/ campsite, anything happening at site will be reported immediately to the person who is in charge of corresponding issue.
9.9	What is your familiarity with accident reporting procedures?	For any accident happened at site, the foreman shall report to the site office and site manager immediately, and site office shall write on the accident log book for records. Then site office shall report to the corresponded local government office.
9.10	What is your familiarity with police reporting procedures?	So far, no such incident whereby Police is to be called upon. The Contractor camps are secured by police.
9.11	Is there any mechanism to address the work place Sexual Harassment of Women at the project sites?	No, because all male workers at the project working at sites and the working place for female staff are limited in the camp and office.

## Annex 3: Key Performance Indicators and Targets per PAD/RDPP

Project Development Objective Indicators						
To increase the area protected in selected polders from tidal flooding and frequent storm surges						
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Gross area protected	ha	Value	0.00	40,709	40,840	66,012.00
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		Area protected is in proportion to the share of embankment with earthwork completed.	Area protected is in proportion to the share of embankment with earthwork completed.	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Direct project beneficiaries from increased resilience to climate change (number)	person	Value	0.00	391,379.00	392,759.00	724,202.00
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		Beneficiaries are in proportion to the share of embankment with earthwork completed	Beneficiaries are in proportion to the share of embankment with earthwork completed	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Female beneficiaries	Percentage	Value	0.00	50.00	50.00	50.00
To improve agricultural production by reducing saline water intrusion in selected polders						
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Increase cropping intensity	Percentage	Value	140.00	140	140	180.00
	Sub Type	Date	22-Apr-2013	28-Feb-2021	28-Feb-2021	30-Jun-2022
		Comments			Will be calculated via end-line survey, though mid-line survey may also show results, in which case they will be reported.	The end date was revised during the restructuring

<b>To improve the Government of Bangladesh's capacity to respond to an emergency</b>						
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Contingent Emergency Appropriation	Text	Value	NA	N/A	N/A	Triggered if requested
	Sub Type	Date	22-Apr-2013	28-Feb-2021	28-Feb-2021	30-Jun-2022
		Comments			Not Triggered Yet	The end date was revised during the restructuring

### **Intermediate Results Indicators**

#### **Rehabilitation and Improvement of Polders**

Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Length of Upgraded Embankment	km	Value	0.00	243.388	244.038	408.00
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		W-01: 181.009 Km (out of 200.617 Km) W-02: 58.349 Km (out of 208.03 Km)	W-01: 181.659 Km (out of 200.617 Km) W-02: 62.379 Km (out of 208.03 Km)	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Drainage Structures replaced	Number	Value	0.00	42	56	88
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		W-01: 38 number (out of 38) W-02: 4 number (out of 51)	W-01: 38 number (out of 38) W-02: 18 number (out of 51)	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Drainage Structures Repaired	Number	Value	0.00	2.00	2.00	8
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		W-01: 2 number (out of 2) W-02: 0 number (out of 6)	W-01: 2 number (out of 2) W-02: 0 number (out of 6)	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Flushing Inlets Replaced	Number	Value	0.00	31	41	80
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		W-01: 29 number (out of 29)	W-01: 29 number (out of 29)	The end date was revised during the restructuring

**Bangladesh Water Development Board (BWDB)**  
**Coastal Embankment Improvement Project, Phase-1 (CEIP-1)**

Indicator Name	Unit of Measure	Value	Baseline	Actual (Previous)	Actual (Current)	End Target
Flushing inlets Repaired	Number	Value	0.00	15	15	44
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		W-01: 14 number (out of 14) W-02: 1 number (out of 32)	W-01: 14 number (out of 14) W-02: 1 number (out of 32)	The end date was revised during the restructuring
Indicator Name	Unit of Measure	Value	Baseline	Actual (Previous)	Actual (Current)	End Target
Length of Drainage Channels Upgraded	km	Value	0.00	215.41	215.46	305.00
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		W-01: 136.799 Km (out of 150.299 Km) W-02: 76.708 Km (out of 154.751 Km)	W-01: 136.799 Km (out of 150.299 Km) W-02: 78.658 Km (out of 154.931 Km)	The end date was revised during the restructuring
Indicator Name	Unit of Measure	Value	Baseline	Actual (Previous)	Actual (Current)	End Target
Length of River Bank Protection	km	Value	0.00	8.670	8.675	9.37
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		W-01: 4.25 Km (out of 4.25 Km) W-02: 4.36 Km (out of 5.691 Km)	W-01: 4.250 Km (out of 4.25 Km) W-02: 4.425 Km (out of 5.691 Km)	The end date was revised during the restructuring
Indicator Name	Unit of Measure	Value	Baseline	Actual (Previous)	Actual (Current)	End Target
Length of Slope Protection	km	Value	0.00	18.063	18.503	28.00
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		W-01: 16.456 Km (out of 19.766 Km) W-02: 1.400 Km (out of 9.476 Km)	W-01: 16.803 Km (out of 19.766 Km) W-02: 1.700 Km (out of 9.476 Km)	The end date was revised during the restructuring
<b>Implementation of Social and Environmental Management Frameworks and Plans</b>						
Indicator Name	Unit of Measure	Value	Baseline	Actual (Previous)	Actual (Current)	End Target
Area Afforested	Ha	Value	0.00	340.60	340.60	600.00
	Sub Type	Date	22-Apr-2013	31-Jan-2021	30 June-2021	30-Jun-2022
		Comments		302.60 ha embankment plantation and	302.60 ha embankment plantation and	The end date was revised during the restructuring



**Bangladesh Water Development Board (BWDB)**  
**Coastal Embankment Improvement Project, Phase-1 (CEIP-1)**

Indicator Name	Unit of Measure	Value	Baseline	Actual (Previous)	Actual (Current)	End Target
Water Management Association (WMA)	Number	Value	0.00	0	0	10.00
	Sub Type	Date	22-Apr-2013	31-Jan-2021	30 June-2021	30-Jun-2022
		Comments		WMG Registration: 125 (out of 143)	WMG Registration: 125 (out of 143)	The end date was revised during the restructuring
<b>Construction Supervision, Project Monitoring and Evaluation, and Coastal Zone Monitoring</b>						
Indicator Name	Unit of Measure	Value	Baseline	Actual (Previous)	Actual (Current)	End Target
Improved coastal monitoring (Text)	Text	Value	Limited Data	In Progress	In Progress	1. Modelling of the long-term physical processes and other relevant phenomena (subsidence, climate change, river morphology etc.) (scale: macro, meso and micro). 2. An investment plan describing a phased polder improvement roadmap for Bangladesh Coast.
	Sub Type	Date	22-Apr-2013	31-Jan-2021	30 June-2021	30-Jun-2022
		Comments		1. Some of the interim Reports of Macro and Mesoscale Modelling have been received and currently those are being Other Modelling works are in progress 2. The investment plan is in progress, these are also linked to the completion of the modelling works, which are underway	1. Some of the interim Reports of Macro and Mesoscale Modelling have been received and currently those are being Other Modelling works are in progress 2. The investment plan is in progress, these are also linked to the completion of the modelling works, which are underway	Reflecting the scope of works of the analytics (long-term monitoring, research and analysis of the coastal zone). The end date was revised during the restructuring
<b>Project Management, Technical Assistance, Training and Strategic Studies</b>						
Indicator Name	Unit of Measure	Value	Baseline	Actual (Previous)	Actual (Current)	End Target
BWDB Person Days of training provided	Number	Value	0.00	536.00	536.00	1,200.00
	Sub Type	Date	22-Apr-2013	22-Feb-2021	22-Feb-2021	30-Jun-2022
		Comments				The end date was revised during the restructuring

**Bangladesh Water Development Board (BWDB)**  
**Coastal Embankment Improvement Project, Phase-1 (CEIP-1)**

Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Grievance Redress Committee (GRC)	Number	Value	0.00	36.00	36.00	36.00
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		All Committees are formed and functional	All Committees are formed and functional	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	End Target
Detailed design of future 7 Polders (including EIA, RAP/LAP)	Number	Value	0.00	7.00	7.00	7.00
	Sub Type	Date	22-Apr-2013	31-May-2021	30 June-2021	30-Jun-2022
		Comments		<b>All Design completed by consultant</b> <ul style="list-style-type: none"> <li>▪ Embankment: Approved (all, 210.030 km)</li> <li>▪ Drainage Channel – Design done, approval (7)</li> <li>▪ DS: Design done (53), approval (52)</li> <li>▪ FS: Design done (19), approval (19)</li> <li>▪ RBP: Design done (1.6 km), approval (1.60)</li> <li>▪ SPW: Design done (4.78), approval (4.78)</li> </ul> EIAs for 6 polders being revised in line with the IPOE-vetted EIA for Polder 14/1	<b>All Design completed by consultant</b> <ul style="list-style-type: none"> <li>▪ Embankment: Approved (all, 210.030 km)</li> <li>▪ Drainage Channel – Design done, approval (7)</li> <li>▪ DS: Design done (53), approval (52)</li> <li>▪ FS: Design done (19), approval (19)</li> <li>▪ RBP: Design done (1.6 km), approval (1.60)</li> <li>▪ SPW: Design done (4.78), approval (4.78)</li> <li>▪ EIAs for 6 polders being revised in line with the IPOE-vetted EIA for Polder 14/1</li> </ul>	The end date was revised during the restructuring  Get update from CE Design Circle regarding package 3 design approval.