



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



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

**Progress Report No. 57  
Month of January 2020**

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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 (The Engineer, DDCS&PMS Consultants)
RAP	Resettlement Action Plan
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

The Monthly Progress Report (MPR) is over the month of January, 2020. 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 January, 2020.

The Executive Summary will also 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.

This Executive Summary includes an Action Log which will be updated where relevant.

### 1.2 Implementation of works under Package-1 and Package-2

In the current phase of the CEIP-1 Project, our focus is on the progress of the construction of civil works for Package W/01 and Package W/02. Other Consultants tasks are summarised separately in this Chapter.

#### 1.2.1 Package W/01 implementation

The key issues for the month of January, 2020 regarding Package-1 are summarised below as follows:

1. The physical progress up to January, 2020 is 82.03% against the revised target of 86.87%. Progress. The current dry season in hand is very limited hence, the Engineer is pushing Contractor to speed up the activities in order to complete the Works by 30 June 2020 as per Contract;
2. The Contractor was requested to submit the revised work program considering that the remaining whole works are to be completed within the approved revised time for Completion by June, 2020. Accordingly, the Contractor submitted the revised program and that has been reviewed by the Consultants and sent to PMU. As per revised program Consultants have determined that the actual progress is lagging by 4.84% than the revised target. In May 2018, the Contractor submitted his official claim for Extension of Time based on the following:
  - i) Delays due to late award of Contract on **01 November 2015**;
  - ii) Extension of time due to delays in handing over the land and possession of sites;
  - iii) Extension of time due to various disruptions to the planned progress of the Works, and
  - iv) Extension of time due to variations for increasing of the quantities and volumes;
  - v) The Extension of Time has been approved up to 30 June 2020 by the Employer vide Memo No. CEIP-1/W-01/331 dated: 18-03-2019 with the condition that no further claim will be acceptable due to this Extension of Time.
3. Contractor has completed 37 nos. Drainage Sluices and 28 nos. Flushing Sluices up to January, 2020 and has been working together with the Engineer on the handing over procedures.
4. Following the Mission in October 2019 of the Environmental Team of the World Bank, follow-up has been given to areas of improvement and continued in the month of January 2020 also. A field visit was carried out during November in Package-1 areas, where a meeting was conducted with Fishery Specialist engaged by Contractor, P-1 for conservation of threatened species. Moreover, conducted monthly EHS meeting on 12.11.2019 as chaired by Executive Engineer, BWDB, Khulna (CEIP-1). In addition, refresh EHS training was imparted to EHS

officers of Package-1. Monitoring of EHS qualities was carried out in Nalian closure work site and requested the Contractor to improve EHS qualities at work site. The Contractor is involved in 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 during their field visits. Engineer is pushing the Contractor that resulted in improvements as observed in January, 2020.

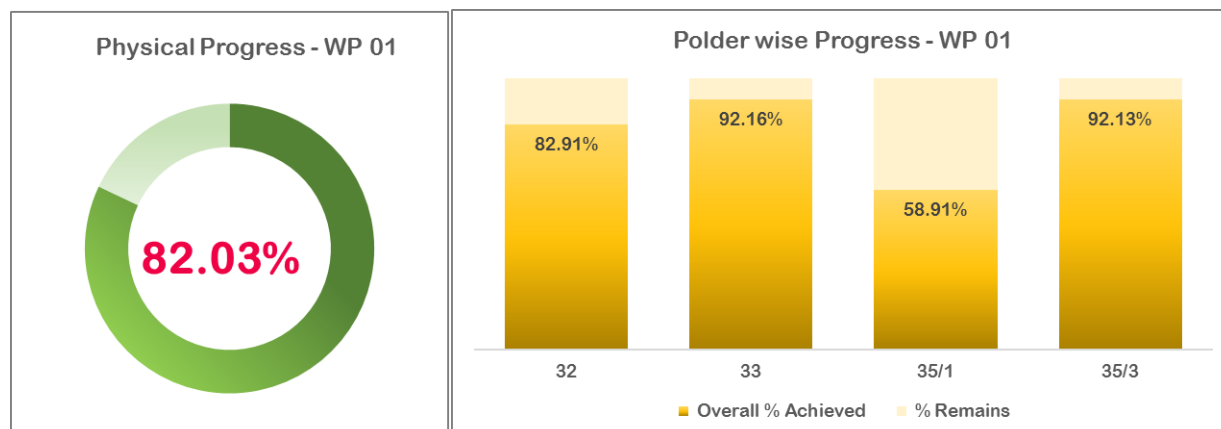


Figure 1-1: Polder Wise Progress of Package-1

- Meetings between Contractor and Engineer were held regarding the construction of the Nalian Closure Dam. Based on discussion, the Contractor submitted a preliminary design and drawing as per Contract Clause no. 2.4.2 for construction of Nalian Closure Dam. The preliminary design and drawings were reviewed by the Consultant’s expert and provided his comments & suggestions on these for finalization by the contractor. The comments and suggestions of the Consultants were communicated to the Contractor. The Contractor prepared the design based on the review of the expert and several discussion meetings were held between the Contractor and Engineer to finalize the design & drawings. After long discussion, the Engineer finally advised the Contractor regarding the work methodology based on the detailed briefing of the designer of the Contractor and requested to prepare the design and drawings accordingly. Finally, the Contractor has prepared the design and drawings and submitted to the Consultants. After reviewing the design and drawings the Consultant requested to start the work immediately. However, the Contractor has mobilized and started the work and by 30 September, 2018 and they have dumped about **1,538,219 nos. bags among which 50Kg Synthetic Bag, 1,327,182 nos. 75Kg Synthetic Bag, 1,21,006-nos. 250Kg Geo- Bag 45,335 nos. and 175Kg Geo- Bag 44,696**, to create the stable foundation of the proposed closure-dam. During January 2020 the Contractor has kept their attention to protect the foundation work of the closure and by this time they have dumped the synthetic bags above the foundation level and also started to work in the approach of the closure. However, the overall progress of Nalian Closure is about 42% up till now which is not at all satisfactory. Consultants have requested Contractor to provide detailed planning and risk mitigating plan, however, until now, Contractor has not responded. The Contractor has failed to finalise the closing of the closure in the time window of January, 2020. The Contractor has now made a plan to closure of the closure in mid-February, 2020.
- Replacement of hard rock by CC blocks has been agreed upon in Variation Order No. 2. and materialised. An updated Variation Order No.2 was submitted with some corrections based on comments received from the World Bank but that has been again corrected as per advice of the Project Director keeping the saving amount under head “Temporary Saving” and submitted to the PMU. The approval of the Variation Order No.2 has been given by the competent authority through Zero Cost Variation.

7. Contractor claimed a Variation Order No.3 for the payment of additional costs for using of higher FM of Sand for filling the foundation of hydraulic structure as per approved design. The draft Variation Order was reviewed by the PMU and suggested to compare the determinate rate of the Engineer with the schedule rate of Khulna O & M Circle. Accordingly, the final Variation Order No.3 was prepared and submitted to PMU on 25th February 2019. PMU sent the Variation Order to World Bank on April 10, 2019. World Bank made some observations on the Variation Order No.3. Consultant's related part of those observations was met up and the revised version of the Variation Order No.3 was submitted to PMU on 24th April 2019. PMU sent revised version of the Variation Order No.3 with the responses to WB's observations, on May 09, 2019. World Bank informed through its email of May 14, 2019 that "Based on the variation order as well as impact in contract amount, Bank's NOL will not be required in this case. This will fall under general contract implementation process. In such case, the Employer is advised to carry out its own due diligence". The approval of the Variation Order No.3 has been given by the competent authority through Zero Cost Variation.
8. The installation of Gates and Hoists in 19 Drainage sluices was completed as per original approved design, but for sustainability of Hoisting System of the Drainage Sluices, the Consultant reviewed the original design and proposed higher diameter (63.5 mm) for lifting shaft in place of 40 mm. The BWDB, Design Office reviewed the proposal and approved revised design. There were also some changes in the design of Gate & Hoists of Flushing Sluices in the forms of providing Wall Bracket in the Hoisting System and Locking provision in Hand Wheel. Work order, for Fabrication and Installation of Gates and Hoists, based on revised designs, was issued to the contractor immediately after getting approval of the revised designs. In this respect the Variation Order No.4 was submitted to the Project Director for approval on 6<sup>th</sup> August 2019. After obtaining some clarifications from the Consultant, the Project Director sent the said Variation Order to the World Bank on October 27, 2019. The World Bank after review made some observations on the Variation Order. The responses to the WB's observations was sent on November 15, 2019. The World Bank finally, provided comments through its email of November 20, 2019 that "**Based on the variation order as well as impact in the contract amount, the Bank's NOL will not be required in this case. This will fall under the general contract implementation process. In such a case, the Employer is advised to carry out its own due diligence**". The approval of the Variation Order No.4 has been given by the competent authority through Zero Cost Variation.
9. The Project Director, CEIP-1 vide his e-mail dated 28 November,2019 instructed to submit Summary of Zero Cost Variation Proposal (up to Variation Order No.04) and accordingly the Summary of Zero Cost Variation Proposal (up to Variation Order No.04 of Contract CEIP-1/W-01) has been prepared and submitted to the PMU by the Engineer vide reference RDCOR\_BC5883-100\_L002391\_JHL\_MAR. The Project Director placed the Summary of the Zero Cost Variation along with the Variation Orders (Variation Order No.02 through Variation Order No.04) to the Board for approval by the competent authority. The competent authority has approved the Zero Cost Variation (up to Variation Order No.4) of this contract and that has been informed by the Project Director vide memo no. CEIP-1/W-01/1521 dated:26-12-2019 to the concerned personnel.
10. In the Contract, there was 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 12 nos. have already been completed, 1 no partially completed and 1 no is yet to be taken up. There was a provision for repairing works of 2 nos. Drainage Sluices which have already been completed.

### 1.2.2 Package-2 implementation

The key issues for the month of January, 2020 regarding Package-2 are summarised below as follows:

1. The physical progress up to January, 2020 is 44.33% against the target of 79.68% as per previous Work Program. The revised Work Program is near to finalization and being discussed between Contractor and Engineer at various occasions.
2. The Contractor failed to achieve the targeted progress set for FY 2017-2018 for timely availability of materials but that is now solved; local resources (including labour) are controlled by local parties and Contractor is therefore limited to import resource's including labour from other polders or suppliers.
3. The performance of the Contractor in the last dry season was not at all satisfactory. Hence, the Contractor failed to achieve the targeted progress set for FY 2018-2019. Considering the unsatisfactory performance of the Contractor meetings with higher Management of Contractor were held and an action plan was prepared, however, follow-up is lacking, and Engineer was pushing the Contractor to accelerate the progress but the Contractor failed to improve their performance.

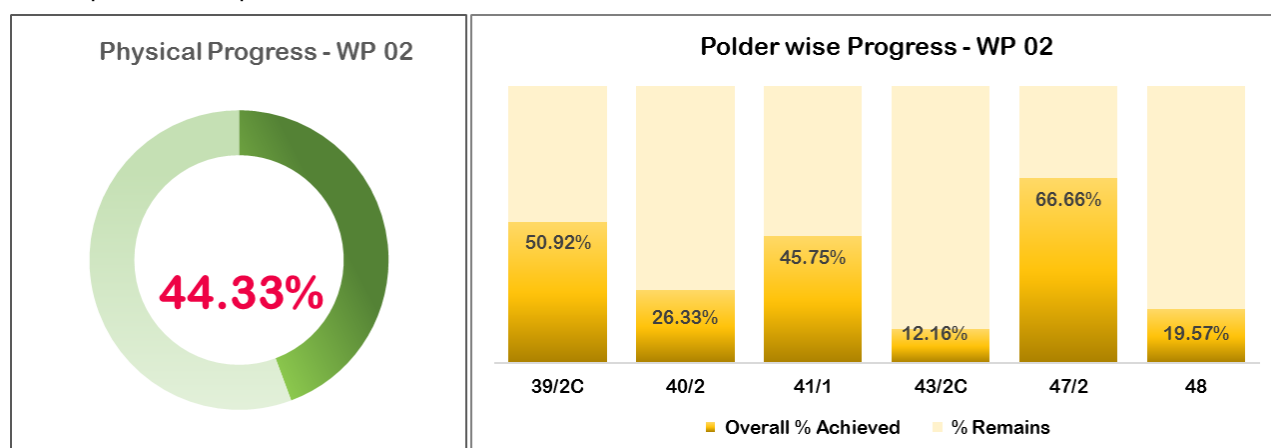


Figure 1-2: Polder wise Progress of Package-2

4. As per requirement of the World Bank Mission during 21 October to 25 October, 2019 on 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 during their field visit.

The Engineer discussed with Contractor about the work program for the FY 2019-20. They are advised to prepare a revised work program in such a way that the lapses of the progress of last FY can be coped up in this current FY and can complete the works within the contract period. According to advice, a draft revised work program was submitted by the Contractor which has been reviewed by the Consultants and sent back to the Contractor to re-submit the same after incorporation of the observations of the Engineer. However, as per the existing work program there was target to complete 79.68% of the Physical Work by January, 2020 but the actual progress achieved is 44.33% which indicates the lagging by 33.35%. Engineer is pushing the Contractor to submit the revised work program urgently and subsequently to speed up the progress of the Works.

### 1.3 Other tasks of Consultants

The key issues for the month of January, 2020 regarding the other tasks of Consultants are summarised below:

1. The responses of the World Bank's latest comments on the EIA/EMP reports of Package-3 are in progress and expected to submit the corrected reports by early January, 2020,
2. The RAP of Package-2 was prepared based on LAP and also approved by the World Bank. But due to updating of LAP the area of land has been increased based on which RAP has been updated. After review by the PMU, RAP was sent to the World Bank. The World Bank Provided some observations on the RAP and those were met and re-submitted to the World Bank. The World Bank has approved the RAP after receiving the satisfactory responses of the observations.
3. The Consultant supported the PMU with the missions and meetings of the World Bank delegations to the Project including site visits and various reports and recommendations.

### 1.4 Key challenges and risks and recommendations

#### 1.2.3 Key challenges and risks

Key challenges and risks are listed below:

1. The weather conditions in January, 2020 was favourable for construction of civil works including the works of embankment re-sectioning.
2. Risks related to the site situations with respect to availability of lands in some cases remain almost same till January, 2020; 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 Consultants view that progress is being made in the joint efforts in the interest of the CEIP-1 Project. This is an area which requires continued highest attention of all concerned;
3. Although a Modified Contract No. 2 for Consultancy Services was signed in the beginning of last year, Consultants envisaged that further optimisation is urgently required to cope up with the dynamics of the CEIP-1 Project to safeguard the liabilities of the Client and the Consultant. The man months for some critical experts will be depleted soon, while the construction supervision team needs an extension of at least 1.5 years for continuation of the services. As the contract variation is not possible without revision of DPP, the Consultant proposed a budget neutral adjustment (modified Contract No. 3). **The Project Director has informed vide Memo. No: CEIP-1/S2/1464 dated; 11<sup>th</sup> December,2019 that Reallocation Proposal has been approved by the Director General, BWDB, Dhaka. The Project Director has also invited to sign the Modification Contract No.03 of DDCS & PMS Consultants. Accordingly, the Modification Contract No.03 of DDCS & PMS Consultants has been signed by the Project Director and the Consultants on 15<sup>th</sup> December, 2019.**
4. The global Corona virus is hampering and limiting the travels of Staff of both the Contractors. Consultant is following the international developments closely and adhering to travel guidance of e.g. World Health Organisation and Bangladesh Authorities. It should be noticed if more restrictions will be imposed on travellers from China, this may have impact on the progress of the Works.



## 1.2.4 Recommendations

The following recommendations are made:

When there would be a land availability issue, joint efforts of Contractors, Engineer and Employer should be enhanced to solve issues at stake. It is recommended that the Employer plays a visible role here and increased efforts should continue; less reporting and more resolving on the spot

In Table 1-1 below an Action Log is introduced to monitor actions required to be taken forward in the interest of the CEIP-1 Project. It will be updated monthly, and actions fulfilled will be deleted.

Table 1-1: Action Log

Action No.	Description of action	By when	By whom	Done by and can be deleted from this Action Log next month		Remarks
				Date	Done	
Nov17-001	PMU-World Bank Environmental actions agreed upon on 23 <sup>rd</sup> November 2017	Continuous	Consultants	Continuous	mostly	Improvement of Consultant's report has been done, Contractor achieved most of the requirements & EHS improvement is being continued
Nov17-003	Revised Work Plan Package 1 including methodology and resource planning.	30-11-17	Contractor		Done	The Contractor was advised to submit the revised work program considering that all the remaining works to be completed within the extended time June 2020. The Contractor accordingly submitted the revised work program and that was reviewed and approved by the Engineer and sent to PMU.
Nov17-006	Payment in connection to land availability and instructing DC's accordingly.	31-12-2017	CEIP-1 PMU,		Partly	This is progressing but need more acceleration.
Dec17-002	Agree with Contractor Package-1 on claim for extension and increase of cost.	09-04-2018	Contractor and Engineer		Done	The extension of time up to June 2020 was recommended by the Consultants with judicious The Extension of Time has been approved up to 30 June 2020 by the Employer vide Memo No. CEIP-1/W-01/331 dated: 18-03-2019 with the condition that no claim will be acceptable due to this Extension of Time.
Jan18-001	Advise Contractors to involve international experts in various fields.	28-02-2018	Engineer		Partly	Contractor Package-1 has involved international experts; Contractor Package-2 is gradually involving more international experts.
Jan18-002	Take measures to further increase the progress of works Package-1	20-02-2018	Contractor and Engineer		Done	The Contractor was advised to submit the revised work program considering that all the remaining works to be completed within the extended time of June 2020. Accordingly, the Contractor submitted the revised work program. The revised program has been reviewed by the Consultants and approved by the Engineer and sent to PMU.

Action No.	Description of action	By when	By whom	Done by and can be deleted from this Action Log next month		Remarks
				Date	Done	
Jan18-003	Take measures to further increase progress of works Package-2	20-02-2018	Contractor and Engineer		Ongoing	The Contractor has failed to execute the work as per target in the FY 2018-19. Hence the Contractor was instructed to submit the revised work program so that the remaining work can be completed within the contract period. Accordingly, the Contractor submitted the revised work program and the revised work program has been reviewed by the Consultants and sent back to the Contractor to re-submit the same with the incorporation of the observations of the Engineer.
Feb2018-001	Follow-up Environmental Mission of World Bank, February, 2018	1-05-2018	Consultants		Ongoing	
Mar2018-003	Prepare guiding document for accelerating work for Package-1 and Package-2 during monsoon	15-04-2018	Engineer			This action was implemented during the regular review meetings on work progress and for preparing the updated work programs for the fiscal year 2019-2020 and also, the revised work programs are being reviewed accordingly.

## 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 will be required to nominate an Engineer's representative for a group of Polders under each contract who will be a full-time resident in the area encompassing the designated Polders.

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

### 2.1 Package-1

No.	Item	Key Achievements during the month – Package-1
1	Modelling	Not applicable
2	Surveys and Design	Several designs prepared and implementation of some Emergency Works have been completed and protected the Polder area from saline water intrusion.
3	Works	<ul style="list-style-type: none"> <li>➤ Construction / Re-Sectioning of Embankment: 0.00Km (Full) &amp; 0.100 Km (Part)</li> <li>➤ Excavation / Re-Excavation of Drainage Channel: 0.00 Km</li> <li>➤ Construction of Drainage Sluice: 0 no. (Full) &amp; 1 no. (Av.3.00%)</li> <li>➤ Repair of Drainage Sluice: 2 nos. completed by June, 2019</li> <li>➤ Construction of Flushing Inlet: 0 no. (Full) &amp; 0 no. (P).</li> <li>➤ Repair of Flushing Inlet: 0 no. (0.00%)</li> <li>➤ Embankment Slope Protection Works: 0.00 Km</li> <li>➤ River Bank Protection Works: 0.00 Km</li> <li>➤ Nalian Closure Dam: Foundation work. 0.00 % &amp; overall progress 42%.</li> </ul>
4	Contractor Resources	Updated by Contractor Package-1 in terms of labour and equipment.
5	RAP and status of resettlement Payment	<ul style="list-style-type: none"> <li>• <b>6,127</b> entities (residential HHs, commercial premises and common property structures) were identified during updating of Inventory of Losses (IoL) in March-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 laborers.</li> <li>• The final numbers of entities as of January 2020 stands at <b>5,365</b> of whom <b>4,637</b> non-titled (Squatters), <b>448</b> tenants and <b>280</b> as wage labors.</li> <li>• BDT 5,984.36 lac has been paid to the 4054 non-titled EPs (squatters) 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 16.12 lac and for removing 49 nos. electric poles an amount of BDT 13.70 lac. Total 6,014.19 lac has been compensated against Package-1 up to January 2020.</li> </ul>
6	LAP	<ul style="list-style-type: none"> <li>• 132.56 Ha land was programmed for Land Acquisition (LA) in four polders.</li> <li>• Possession received a total of 119.91 ha and total of 12.65 ha lands are yet to be received are pending for procession (0.85 ha for Polder no. 32, 11.12 ha of Polder 35/1 against three mouzas: Kumarkhali-1.62 ha, Rayenda-2.57 ha &amp; Sharankhola Mouza-6.93 ha and 0.68 ha land for Polder 35/3).</li> <li>• DLAC has approved 11.12 ha of land for acquisition of Polder-35/1</li> </ul>

No.	Item	Key Achievements during the month – Package-1
		<p>(Kumarkhali, Rayenda &amp; Saronkhola mouza). U/S-4 has been served only for Saronkhola mouza (6.93 ha) as per LA Act. 2017. Issuance of notices U/S-4 of two mouzas (Kumarkhali &amp; Rayenda) is under process.</p> <ul style="list-style-type: none"> <li>• DLAC has approved 0.68 ha land for acquisition under Polder 35/3 on 30 January 2020 for acquisition and Issuance of notices U/S-4 is under process.</li> <li>• Social team is trying their best to be completed soon of reconnaissance field visit for pending 0.85 ha land for Polder-32 and keeping connection with the DC Office, Khulna.</li> <li>• As of December 2019, DC office Khulna &amp; Bagerhat has paid a total BDT <b>6473.31</b> lac against <b>2588</b> nos. of awardees among Titled EPs (804 nos. of Polder-32, 390 nos. of Polder-33, 954 nos. of Polder-35/1 &amp; 396 nos. of Polder-35/3). Total 24 nos. of titled EPs has been paid CUL in January 2020.</li> </ul>
7	Relocation	About 98.69% of paid EPs have already been relocated. 53.22% EPs have relocated on their own land; 12% on newly purchased land; 17.18% EP has replaced to their relatives or others' land; 12.44% have relocated temporarily at nearby area; about 1.31% of the paid EPs are yet to be relocated from the ROW. About 1.09% & 1.43% have relocated respectively in Market & Group Relocation.
8	Grievances	<b>157</b> complaints/grievances have received up to January 2020 by GRC. <b>37</b> complaints/grievances have been resolved at the entry level, while <b>114</b> cases have been resolved through investigations and formal hearing by GRC. All records of GRC preserved according to the guidelines of RAP policy.
9	Environment	Monitoring of safeguards measures and compliances is ongoing and amongst others the World Bank environment, health and safeguard mission have visited the project area in October, 2019 and requested to adopt some new EHS compliances, which are being complied by the Contractors under supervision of the project Environmentalists. EHS monthly meetings are held to address the Contractors for compliance of new EHS issues in the light of the issues required by the WB Sr. Environmental Specialist and other EHS requirements according to EAP/C-ESMP.
10	Value of Physical Work Done	The total value of physical work done up to <b>January, 2020 is BDT 5,734.89 million</b> and during <b>January, 2020 is BDT 34.90 million.</b>
11	Finance	Total expenditure incurred up to IPC-21 is <b>BDT 5,296.30 million</b> including Adjustment for Changes in Legislation (VAT & IT) & Adjustment for Changes in Cost. An amount of <b>BDT 637.74 million</b> has been recovered from the advance payment of <b>BDT 660.89 million.</b>
12	Contract Administration	The draft Variation Order No.3 was submitted to PMU and that was reviewed by the PMU and suggested to compare the determinate rate of the Engineer with the schedule rate of Barisal O & M Division. The determination rate of the Engineer has been compared with the

No.	Item	Key Achievements during the month – Package-1
		<p>schedule rate of Khulna O &amp; M Circle and found determination rate is lower than the schedule rate of Khulna O &amp; M Circle. Hence, the Variation Order No.3 has been submitted based on the Engineer's determination rate to PMU on 25 February 2019. Some observations were made on the Variation Order No.3 by the World Bank and Consultants related part of those have been met up and the revised version of the Variation Order No.3 has been submitted to PMU on 24<sup>th</sup> April 2019. The approval of Variation Order No.3 is under way as per information of the PMU. The Contractor has done the work as per Variation Order No.3 but could not get payment for want of approval of the Variation Order No.3. The Summary of Zero Cost Variation (up to V.O.04) has been submitted to PMU by the Engineer vide reference.no: RDCOR_BC5883-100_L002391_JHL_MAR dated: 2<sup>nd</sup> December, 2019 as per request of the Project Director vide e-mail of 28<sup>th</sup> November, 2019. The Project Director placed the Summary of the Zero Cost Variation along with the Variation Orders (Variation Order No.02 through Variation Order No.04) to the Board for approval by the competent authority. The competent authority has approved the Zero Cost Variation (up to Variation Order No.4) of this contract and that has been informed by the Project Director vide memo no. CEIP-1/W-01/1521 dated: 26-12-2019 to the concerned personnel</p> <p>Draft Contract Supplement No.1 of Package-1 was prepared including VAT &amp; IT adjustment for changes in legislation, Financing charges for delay payment for VAT, IT &amp; IPC and additional cost for Physical &amp; Financial Contingencies and submitted to PMU. The Project Director, CEIP-1 has made some observations and suggestions on the Draft Contract Supplement No.1 on 29<sup>th</sup> April 2019 and accordingly the Draft Contract Supplement No.1 has been revised and the revised version has been submitted to PMU on 12 May 2019. It was sent to World Bank on May 19, 2019 for Bank's review and concurrence. The World Bank provided their concurrence on 02 June 2019 and that was sent to Board on 09 June 2019 by PMU for approval. The Board has approved the Contract Supplement No.1 on 27 June 2019. The Contract Supplement No.1 has been signed between the Employer &amp; the Contractor on 27 June 2019.</p>

## 2.2 Package-2

No.	Item	Key Achievements during the month – Package-2
1	Modelling	Not applicable.
2	Surveys and Design	Designs were completed long ago. Contractor CICO has completed some sections of pre-construction surveys of 6 Polders and subsequently shop drawings also completed based on which the physical works were executed during the first dry season period 2017-2018. The Contractor has conducted pre-construction surveys for some sections of the Polders and following the same shop drawings are prepared before executing the works in FY 2018-2019. The pre-sections surveys for the rest sections of the Polders will be conducted during FY 2019-2020 depending on the availability of land and

No.	Item	Key Achievements during the month – Package-2
		subsequently shop drawings will be prepared before execution of Physical works. Task force will be included in all survey works.
3	Works	<ul style="list-style-type: none"> <li>➤ Construction / Re-sectioning of Embankment: 5.450Km (F) &amp; 1.311 Km (P)</li> <li>➤ Drainage Channel Excavation/Re-excavation: 0.00 km (F)</li> <li>➤ Construction of Drainage Sluices: 32 nos.(P) (Av. progress 1.87%)</li> <li>➤ Repair of Drainage Sluices: 2 nos. (P) (20.00%)</li> <li>➤ Construction of Flushing Inlets: 21 nos.(P) (Av. Progress 0.86%)</li> <li>➤ Repair of Flushing Inlets: 0 no. full &amp; 6 nos.(P) (Av. Pro. 2.17%)</li> <li>➤ River Bank Protections: 0.06 Km (F)</li> <li>➤ Embankment Slope Protection Work: 0.00 km (F)</li> </ul>
4	Contractor Resources	Contractor has received the full advance payment against the first instalment & had been spent the money to purchase machineries and equipment; Chinese engineers and supporting personnel have mobilized, and the same is true for the recruitment of local labour; The 2 <sup>nd</sup> instalment is using for procurement of construction materials and other field requirements.
5	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 may fluctuate, 135 unit 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>• The Project Director has approved 4,162 Eps for issuance of ID cards by concern Executive Engineer (Polder 40/2, 1319, Polder-41/1-722, Polder-43/2C-567, Polder-47/2-160 &amp; Polder-48-1,394). A total of <b>2,742</b> EP ID cards have been issued by the concerned XEN which includes 1,002 nos. of Polder-48, 160 nos. of Polder-47/2, 438 nos. of Polder-43/2C, 406 nos. of Polder-41/1 and 736 nos. of Polder-40/2.</li> <li>• BDT 2,963.92 lac has been paid to the 2,760 non-titled (squatter) as compensation/resettlement benefits against affected residential and commercial structures</li> </ul>
6	Preparation of LAP	<ul style="list-style-type: none"> <li>• 158.55 Ha land was programmed for Land Acquisition (LA) in six Polders of Package-2.</li> <li>• The land acquisition proposal for six polders under Package -2 has been submitted to concerned DC (Pirojpur, Jhalokhathi, Barguna and Patuakhali) for acquisition.</li> <li>• 139.50 Ha land has been approved by MoL for Polder 39/2C, 40/2, 41/1, 43/2c, 47/2 &amp; 48. BWDB has placed fund against CUL to DC, Barguna for Polder-40/2 and Polder-41/1, DC, Pirojpur &amp; Jhalokhathi for 39/2C, DC, Patuakhali for Polder-48.</li> <li>• Possession received a total of 70.40 ha of land.</li> <li>• For Polder-39/2C, Notices U/S-7 served for 21 mouzas under Pirojpur district. Dhawa mouza is waiting for serving Notice U/S-7. Notices U/S-7 served for 3 mouzas under Jhalokhathi district and 2 mouzas (Chesrirampur &amp; Banai) are waiting for serving notice U/S-</li> </ul>

No.	Item	Key Achievements during the month – Package-2
		<p>7. Fund placed against final estimate to DC Pirojpur for 105.91 ha and DC, Jhalokathi for 10.18 ha.</p> <ul style="list-style-type: none"> <li>Proposal of land acquisition of Polder-43/2C against 11 mouzas have been submitted to the DC, Patuakhali. DLAC has approved for nine mouzas of land, remaining two maouzs are under process for approval of DLAC. DC ahas den proposal of 4 mouzas to MoL for final approval. MoL has approved one case, one is waiting for approval and two cases returned back to DC for omitting Khal/River category of land from the proposal. Issuance of notices U/S-4 for four mouzas are under process. The total area of Polder 43/2C becomes 17.96ha.</li> <li>Payment of CUL has been recently started in Polder-39/2C, Polder-40/2, 41/1 &amp; 48 and paid BDT 1255.55 lac to 475 APs.</li> </ul>
7	Relocation	<ul style="list-style-type: none"> <li><b>44.44%</b> EPs have relocated on their own land; <b>9.99%</b> on newly purchased land; <b>14.36%</b> EPs have relocated to relative's or others' land; <b>17.50%</b> have relocated temporarily at nearby area; <b>8.91%</b> of the paid EPs are yet be relocated from the ROW. <b>4.80%</b> made group relocation.</li> </ul>
8	GRC & FGD	<ul style="list-style-type: none"> <li>A total number of <b>45</b> complaints/grievances have been received up to January 2020 by GRC. <b>25</b> of them have been resolved in the entry level by the field investigation and remaining <b>20</b> cases under process for investigation and formal hearing by GRC.</li> <li>Total of <b>1019 focus</b> group meetings have been held with resolution. Some of the groups have been met twice or more.</li> </ul>
9	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.
10	Value of Physical Work Done	The total value of physical work done up to <b>January, 2020</b> is <b>BDT 4,518.84 million</b> and during <b>January, 2020</b> is <b>BDT 262.00 million</b> .
11	Finance	Total expenditure incurred up to IPC-10 is <b>BDT 2,945.82 million</b>
12	Contract Administration	The Variation Order No.1 has been submitted to PMU vide Consultant's reference RDCOR_BC5883-100_L002119_DJK_MAR dated:20 June 2019 due to incorporation of new sizes of CC Blocks for the Slope Protection Work as per approved revised design & drawing. The Variation Order No.02 was submitted to the PMU vide Consultant's reference RDCOR_BC5883-100_L002316_DJK_MAR dated:21 October 2019 due to incorporation of new block size 40cmx40cmx40cm (f'c=15 Mpa) for hydraulic structures as per approved revised design & drawing. But the Variation Order No.01 & 02 have been returned back by the Project Director on 13 <sup>th</sup> November,2019 with the advice to combine both the proposed Variation Orders, together into one and may be numbered as Variation Order No.01.This action has been taken due to recently some changes in the revised approved design of Polder No.48. As per advice of the Project Director, the revised Variation Order No.01 has been prepared and submitted to PMU vide Engineer's reference no. RDCOR_BC5883-100_L002438_JHL_MAR dated:5 <sup>th</sup>

No.	Item	Key Achievements during the month – Package-2
		<p>January,2020. The Project Director also advised to submit a Zero Cost Variation (up to Variation Order No.01) and according to the advice Zero Cost Variation (up to Variation Order No.01) has been prepared and submitted to PMU vide Engineer's reference no.RDCOR_BC5883-100_L002439_JHL_MAR dated 5<sup>th</sup> January,2020. The Zero Cost Variation is under review by the World Bank.</p> <p>Draft Contract Supplement No.1 of Package-2 was prepared including VAT &amp; IT adjustment for changes in legislation and submitted to PMU vide Engineer's reference no. RDCOR_BC5883-100_L002324_JHL_MAR dated:23<sup>rd</sup> October,2019. That was sent to the Board by the PMU for approval after getting concurrence from the World Bank. After getting permission from the Director General, BWDB for signing the Contract Supplement No.01,the Project Director has invited the representative of CICO vide memo no.CEIP-1/W-02/43 dated:19<sup>th</sup> January,2020 to sign the Contract Supplement No.01.But due to the restriction of movement for nCov disease no authorized representative of CICO has yet come from China as such the signing of the Contract is yet pending.</p>

### 2.3 Package-3

No.	Item	Key Achievements during the Month – Package-3
1	Mathematical Modelling	Mathematical modelling to detailed design parameters of the 7 Polders of Package-3 were already completed in the month of February 2018 and sent to the Superintending Engineer, Design Circle-5 for review. After completing the review by the Superintending Engineer, Design Circle-5 gave clearance for starting the detailed design.
2	Surveys and Design	Surveys were completed in 2017 and immediately after getting the clearance, the preparation of design is in progress. The outcomes of the mathematical modelling are being used as input and boundary conditions for design of the structures underPackage-3. The draft detailed design of all the infrastructures like Embankment, Drainage Channels, Drainage Regulators, Flushing Regulators, Slope Protection works, Bank Protections works and Repairing of Drainage Regulators etc have been submitted to the concerned design office of BWDB within June, 2019. Among them the design of Embankment of 7 (Seven) Polders and design of 5 drainage Regulators have been approved by the Design Circle-5. The design of the remaining infrastructures is under process of approval by the concerned Design office.
3	Bid Documents	The Draft Bidding Documents has been prepared and submitted to PMU vide Consultant's reference: RDCOR-BE5883-100-L002255_MHR_MAR dated: 17 <sup>th</sup> October, 2019.
4	RAP	<ul style="list-style-type: none"> <li>Following the accomplishment of the map of alignment fixing by the Engineering Team of DDCCS &amp; PMS Consultant, the LAP/RAP team has completed the Households (HHs) numbering and Inventory of Losses (IoL) survey in all 7</li> </ul>



No.	Item	Key Achievements during the Month – Package-3
		<p>Polders under Package-3 of CEIP-1.</p> <ul style="list-style-type: none"> <li>A total of 20 Community/Stakeholder Consultation meeting were held at 15 different venues of the Polders. Draft RAP has been prepared.</li> </ul>
5	LAP	LAP/RAP team has submitted the draft LAP for all Polders to XEN, CEIP-1 Khulna and PD office for checking & verifying as per Terms of Reference (TOR) of Acquisition & Requisition of Immovable Property Act 2017. But as per latest decision, the LAP has to be revised based on the revised LAP to be prepared by providing crest width of embankment 6.00m instead of 4.50 m.
6	Environment	EIAs/EMPs of all the 7 Polders of Package-3 have been submitted in August 2019 along with the responses of the World Bank's comments. The World Bank provided some more comments on the EIA/EMP reports submitted by the PMU which is being addressed by the consultants. The PMU submitted the responses of WB comments on Polder 14/1 by first week of January, 2020 for approval, which will be followed in the remaining 6 EIA reports subject to the WB approval.

## 2.4 DDSC&PMS Consultancy Services

No.	Item	Key Achievements upto this Month - Consultant
1	Construction Supervision Systems/Tools	<p>Package-1 physical progress is 82.03% (4 Polders).</p> <p>Package-2 physical progress is 44.33% (6 Polders).</p> <p>Package-3 no contract, hence no site works (7 Polders).</p>

### 3. Project Progress

#### 3.1 Task A: Review and updated the designs budding 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 Detailed Design of Drainage Cum Flushing (D/S) Sluice, Flushing cum Drainage Sluice (F/S), Construction/Re-sectioning of Embankment, Excavation/Re-excavation of Drainage Channels, River Bank Protection, Slope Protection and Construction of Closure Dam were Completed and approved by the Competent Authority. The approved designs were reviewed and updated at the time of commencement of Implementation of the Civil Works.

##### 3.1.2 Bid Documents of Package-1

The Bid Documents covering all the activities mentioned above were completed and approved by the competent authority based on which the tender of Package-1 was floated and finalized and subsequently, the contract was awarded to the lowest bidder. Detailed information below:

Date of Bidding	: 10 March, 2015
Notice of award	: 21 September, 2015
Signing of Contract	: 1 November, 2015
Commencement of Works	: 26 January, 2016
Original Target for completion	: 25 January, 2019
Revised Target for completion	: Polder-32 & 35/1: 30 June, 2020 Polder-33: 31 <sup>st</sup> March, 2020 Polder-35/3: 30 June, 2019
Contract Value	: BDT: 6,969,113,205.00
Contract Supplement No.01	: BDT: 7,243,662,887.49

##### 3.1.3 RAP Implementation Package-1

###### 3.1.3.1 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 March-October 2015 of whom 820 on private land (titled) and 4,633 on government land non-titled EPs (Squatters). Among 4,633 EPs, 448 tenants and 226 wage labourers were identified.

Due to the changes/adjustments of the alignment and Joint Verification Survey (JVS) conducted by respective DC offices, the total numbers of entities have been changed. As a result, some non-titled EPs became titled EPs on account of JVS by DC office and some EPs were added or deducted on account of changes/adjustments of the alignment of embankment, changing location of DS, VP Land and including dockyards labourers as non-titled EPs. The total of entities as of January 2020 stands at **5,365** of whom **4,637 non-titled (Squatters)**, **448 tenants** and **280** as wage labourers. 03 newly EPs have been added for VP land. Payment of compensation, grants and resettlement benefits for four Polders under Package-1 was started in June 2016. As of January 2020, a total of **BDT 5984.36 in Lac** has been paid to the **4,054** non-titled EPs (squatters), including 54 numbers wedge labours. **27** nos. for social forestry and **51** electric

poles as compensation, grants and resettlement benefits against their affected residential, fish gher, commercial, tress and common structures of Package-1. The total payment of resettlement benefit is BDT 6014.19 lac. 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 January, 2020

Polder	Non-titled (Squatters)	Paid Squatters	Tenants	Paid Tenant	Wage Labourers	Paid wage labor	Total entities	Total Paid EPs	Amount paid in BDT (Lac)
1	2	3	4	5	6	7	(2+4+6) =8	(3+5+7) =9	10
32	1260	1257	86	0	23	0	1,369	1,260	1,588.13
33	1470	1210	157	0	75	0	1,702	1,210	1,741.26
35/1	1624	1268	196	0	171	54	1,991	1,322	2,257.97
35/3	283	262	09	0	11	0	303	262	397.00
<b>Total</b>	<b>4637</b>	<b>3997</b>	<b>448</b>	<b>0</b>	<b>280</b>	<b>54</b>	<b>5,365</b>	<b>4,054</b>	<b>5,984.36</b>
Paid for Social Forestry for 27 unit in 33 & 35/3								27	16.12
Paid for Electric Pole for 48 Unit in 33, 35/1 & 35/3								51	13.71
<b>Grand Total=</b>								<b>4,132</b>	<b>6,014.19</b>

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

The payment of compensation under Law (CUL) to the Titled EPs is going on by DC office both Khulna & Bagerhat. As of January 2020, DC office Khulna & Bagerhat has paid a total BDT **6,446.18** lac against **2,588 nos.** of awardees among Titled EPs (804 nos. of Polder-32, 390 nos. of Polder-33, 954 nos. of Polder-35/1, 396 nos. of Polder-35/3 & 44 nos. of Newly Land acquisition at Banishanta mouza at Polder-33). **24 nos. of EPs have been paid under the CUL has been made in January 2020.** As the continuous process BWDB and the social team is keeping contract with the concern DC office for expediting the CUL payment and holding meeting regularly. The progress of payment of compensation under law (CUL) is shown in Table 3-2:

Table 3-2: Polder- wise payment made by DCs Khulna & Bagerhat till January, 2020

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
32	3,003	2,086	1,615.37	804	469	1,152.67	71.36
33	2,066	1,317	770.04	390	200	592.86	76.99
35/1	1,087	1,087	4,525.92	954	805	3,405.59	75.25
35/3	489	489	1,510.51	396	317	1,090.64	72.2
<b>Total (Except Banishanta) =A</b>	<b>6,645</b>	<b>4,979</b>	<b>8421.84</b>	<b>2544</b>	<b>1791</b>	<b>6241.76</b>	<b>74.11</b>
<b>Newly Land acquisition at Banishanta mouza at Polder 33 =B</b>	142	110	913.47	44	25	231.55	25.35
<b>Grand Total(A+B)=</b>	<b>6,787</b>	<b>5,089</b>	<b>9,335.31</b>	<b>2,588</b>	<b>1,816</b>	<b>6,473.31</b>	<b>69.34</b>

### 3.1.3.3 Physical progress in Payment of compensation under law (CUL)

The payment has been made for **1,273** residential structures against target of **1,611**, paid for **64** nos. commercial structures out of **79** and paid for **1,251** nos. of land awardees out of **5,097**. Payment made for total **24** nos. titled EPs during the month of January 2020. The Polder wise progress has stated in the following Table 3-3.

Table 3-3: Substantial progress report in payment of compensation under law till January, 2020

Polder No.	No. of Titled Eps (Awardees)				Polder Wise Payment Summary (Awardees)			
	Residence	Commercial	Land	Total	Paid for residence	Paid for commercial structure	Paid for land	Total Paid
1	2	3	4	5	6	7	8	9
32	397	14	2,592	3,003	301	14	489	804
33	185	32	1,849	2,066	125	29	236	390
35/1	729	15	343	1,087	613	15	326	954
35/3	234	6	249	489	225	6	165	396
<b>Total (Except Banishanta)=A</b>	<b>1545</b>	<b>67</b>	<b>5,033</b>	<b>6,645</b>	<b>1264</b>	<b>64</b>	<b>1216</b>	<b>2544</b>
<b>Newly Land acquisition at Banishanta mouza at Polder 33 = B</b>	66	12	64	142	09	0	35	44
<b>Grand Total(A+B)=</b>	<b>1,611</b>	<b>79</b>	<b>5,097</b>	<b>6,787</b>	<b>1,273</b>	<b>64</b>	<b>1,251</b>	<b>2,588</b>

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

Following the payment of compensation against the First to Thirteen indents, the affected people started relocating their structures by their own choice. It was disseminated to the people that if the affected people show their willingness to group relocation, the project will provide necessary civic amenities like construct entrance way to the resident, sanitation, tube well etc. BWDB, DDCS & PMS Consultant have been encouraging the EPs for group relocation so that there will be little chance to come back on the embankment. But in most cases, the affected people prefer individual relocation. Self-relocation has been started but the pace is very slow. Hopefully it will drive very swiftly within few days. A good number (53 nos.) of EPs from the total 53 nos. have not been relocated yet in Polder 33 situated in Laodobe Bazar. Concerned PAVC is looking for a suitable place to improve the market relocation. Point to be mentioned here is that the construction work of the chainage is ongoing. The social team is trying to arrange group relocation.

Table 3-4: Update Relocation Status as of January, 2020

Status of relocation	Number of squatters relocated by Polders					Progress (in %)
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total	
Relocated on own land	672	722	629	133	2,156	53.22
Relocated on purchased land	97	72	272	45	486	12.00
Relocated on relative & other's land	245	173	213	65	696	17.18
Relocated Temporarily at nearby area (Govt. Land)	208	190	104	2	504	12.44
<b>Total Relocated-A</b>	<b>1,222</b>	<b>1,157</b>	<b>1,218</b>	<b>245</b>	<b>3,842</b>	<b>94.84</b>
Not yet relocated	0	53	0	0	53	1.31
Market Relocation	6	0	21	17	44	1.09
Group Relocation	29	0	29	0	58	1.43
<b>Total Relocation-B</b>	<b>35</b>	<b>53</b>	<b>50</b>	<b>17</b>	<b>155</b>	<b>3.83</b>
Wage Labour Relocation*(Not Yet)	0	0	54	0	54	1.33
<b>Total Relocation-C</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>54</b>	<b>1.33</b>
<b>Total Relocation target (A+B+C) =</b>	<b>1,257</b>	<b>1,210</b>	<b>1,322</b>	<b>262</b>	<b>4,051</b>	<b>100</b>

### 3.1.4 Status of Physical and Commercial Displacement/Relocation (Non-titled)

The status of Physical displacement and Economical displacement (Relocation) of Package-1 for four Polders are given as follows:

Table 3-5: Physical and Economical displacement (non-titled) of Package-1

Sl. No	Polder No.	Physical Displacement	Economical/Commercial Displacement	Status of changed occupations	Total Displacement
1	32	870	387	0	1,257
2	33	871	339	0	1,210
3	35/1	905	363	54	1,322
4	35/3	151	111	0	262
<b>Total=</b>		<b>2,797</b>	<b>1,200</b>	<b>54</b>	<b>4,051</b>

### 3.1.5 Relocation Status of Physical Displaced household (Non-titled) in Package-1

It is evident from the majority of the displaced people **56.70%** relocated to self-managed land. It is very important that **14.70%** people have been settled in purchased land and hope the group will be sustained. Group Relocation **3.18%** has been relocated.

Table 3-6: Relocation Status of Residence (Physical Displacement) in Package-1

Status of relocation	Number of squatters relocated by Polders					Progress (in %)
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total Physical Displacement	
Relocated on own land	467	540	481	98	<b>1,586</b>	56.70
Relocated on purchased land	88	38	243	42	<b>411</b>	14.70
Relocated on relative & other's land	175	136	152	10	<b>473</b>	16.91
Relocated Temporarily at nearby area (Govt. Land)	111	126	0	1	<b>238</b>	8.51
Not yet relocated	0	0	0	0	<b>0</b>	0.00
Group Relocation	29	31	29	0	<b>89</b>	3.18
<b>Total =</b>	<b>870</b>	<b>871</b>	<b>905</b>	<b>151</b>	<b>2797</b>	<b>100</b>

### 3.1.6 Relocation Economically Displacement in Package-1

The relocation status of Economical/Commercial displacement of 4 Polders under Package-1 is shown below:

Table 3-7: Status Relocation Status of Economical Displacement (non-titled)

Status of relocation	Number of squatters relocated by polders					Progress (in %)
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total Economically Displacement	
Relocated on own land	205	189	148	35	577	48.08
Relocated on purchased land	9	9	29	3	50	4.17
Relocated on relative & other's land	62	40	54	55	211	17.58
Relocated Temporarily at nearby area (Govt. Land)	94	63	98	1	256	21.33
Not yet relocated	17	38	13	0	68	5.67
Market Relocation/Group Relocation	-	-	21	17	38	3.17
<b>Total =</b>	<b>387</b>	<b>339</b>	<b>363</b>	<b>111</b>	<b>1,200</b>	<b>100</b>

### 3.1.7 Progress in relocation of the Titled Affected households in package-1

The relocation so far made for the titled affected households those of who were compensated under law are stated in the following table. The progress in relocation reveals that **1,261** residential have relocated out of **1,273** where progress for the month of January 2020 is **16** and **64** commercial structures relocated out of target **64**. The Polder wise progress has stated in the following table.

Table 3-8: Polder wise Number of relocated of Titled EP (Residence and Commercial Awardees) compensation under law

Number of relocated Residence and Commercial Titled EPs (Awardees)polders				
Polder No.	Residence Payment	Relocated	Commercial Payment	Relocated
32	301	297	14	14
33	125	123	29	29
35/1	613	607	15	15
35/3	225	225	6	6
<b>Total (Except Banishanta) =A</b>	<b>1264</b>	<b>1252</b>	<b>64</b>	<b>64</b>
<b>Newly Land acquisition at Banishanta mouza at Polder 33 = B</b>	09	09	0	0
<b>Grand Total(A+B) =</b>	<b>1,273</b>	<b>1,261</b>	<b>64</b>	<b>64</b>

This percentage of relocation is increasing gradually. The APs are interested for self-relocation individually. The LAP/RAP field staffs have been monitoring closely the relocation progress and recording status before and after relocation.

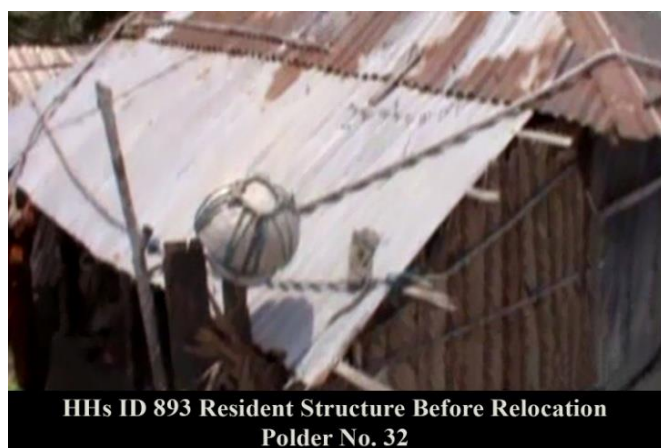


Figure 3-1: HH 893 Before relocation of Polder-32



Figure 3-2: HH 893 After relocation of Polder-32



Figure 3-3: HH 894 Before relocation of Polder-32



Figure 3-4: HH 894 After relocation of Polder-32



HHs ID 316 Resident Structure Before Relocation  
Polder No. 33

Figure 3-5: HH 316 Before relocation of Polder-33



HHs ID 316 Resident Structure After Relocation  
Polder No. 33

Figure 3-6: HH 316 After relocation of Polder-33



HHs ID 1682 Business Structure Before Relocation  
Polder No. 35/1

Figure 3-7: Before Relocation HH 1692 in Polder 35/1



HHs ID 1692 Business Structure After Relocation  
Polder No. 35/1

Figure 3-8: After relocation HH 1692 in Polder 35/1

### Group Relocation

One Group Relocation is taken place at Uttar Kamarkholain Polder-32. The relocation site is named as CEIP Village at Uttar Kamarkhola near BWDB office. LAP/RAP team is continuing effort for convincing and motivating APs for more group relocation in other places in four Polders under Package-1. Another group relocation made in Polder 33 named Chunkuri Dangapara CEIP-1 Village comprises a total 22 Eps made the Village.



Figure 3-9: Group Relocation site: Meeting at CEIP Village, Uttar Kamarkhola under Polder-32



Group Relocation site: Nolian Dakkhin Para CEIP Village under Polder-32



Figure 3-10: Group Relocation site: Chunkuri (Dangapara) CEIP-1 Resettlement Village under Polder-33



Figure 3-11: Group Relocation site at Jhilbunia of Polder 35/1



Figure 3-12: Group Relocation site at khontakata of Polder 35/1



### Business/Market Relocation of Package-1

Some businessmen / shopkeepers have relocated their commercial structures by themselves. Some of them have already been selected the relocation spots/location and hope that they will shift soon. Two Bazars (Mollikerber Madrasha Bazar in Polder 35/3 & Terabeka Bazar in 35/1) have been identified for relocation and LAP/RAP team is continuing motivational effort in these areas. Progress made for June 2019 describes that another market relocation caused to happen at Joynagar Bangar at Polder 32 comprises 6 shopkeepers has made group market relocation.

Since most of the squatters are landless and some of them have arable land only which is not suitable for living. So, squatters are encouraged for purchasing of land with the compensation they are provided. It is also evident that the compensation for structure has been adequately assessed and affected people are apparently satisfied with the compensation amount they get.

Business owners are encouraged for relocating their business concerns in a cluster market at the locations nearby of the affected market. The following photographs shows the new market locations.



Figure 3-13: Relocation site at Mollikerber Madrasha Bazar in Polder-35/3



Figure 3-14: Market Relocation for Joynagar Bazar at Polder 32



Figure 3-15: Market Relocation for Anando Bazar, Razapur at Polder 35/1

### 3.1.8 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 organogram of GRC is given as follows:

Table 3-9: Organogram of GRC

Concern Executive Engineer, BWDB,	Convenor
UP Representative	Member
Representative of Educational Institution	Member
Representative of Women Local Group	Member
Representative of PAP Group	Member
Representative of IA/LAP-RAP Team	Member Secretary

A total number of **157 complaints/grievances** have been received up to July 2019 by GRC in package-1. Among those, **37 cases** have been resolved at the entry level, **114 cases** have been resolved through investigation and formal hearing by GRC. It is to be mentioned here that a total of **06** lodged grievances have been trying to resolve in entry level by the GRC and necessary actions are continuing by the Member Secretary/ LAP/RAP team and the convener of the GRC.

Table 3-10: 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	Newly lodged Grievances
1	Khulna	32	49	16	29	04
2	Khulna	33	14	8	06	00
3	Bagerhat	35/1	27	6	19	02
4	Bagerhat	35/3	67	7	60	00
<b>Total =</b>			<b>157</b>	<b>37</b>	<b>114</b>	<b>06</b>

BWDB and RAP team maintain records in detail about the complaints, procedures and the resolutions adopted in a register including intake register, resolution register and closing register followed by the policy of the RAP. Information to be noted here that some EPs are lodging the court case will fully and LAP/RAP team have been working for resolving the cases i.e. collection of court case paper from the court, purchasing the advocates copy, answering the court hearing, cooperate the advocates by providing the required information etc. The LAP/RAP team is soliciting the cooperation and support from the concern office. Hence the team is trying to resolve the matter with the XEN.

### 3.1.9 Consultation and Participation (Citizen Engagement)

Consultation meetings are the best resolutions to bridge the gap between the APs and the primary stakeholders of the project (donors, acquiring and requiring bodies, implementing agencies etc.). Project beneficiaries and affected communities can participate directly in consultation meetings.

Regard to consultation meeting on social issues, consultation meetings as per need have been conducting by the DDCS & PMS Consultants along with the PMU experts. For example, similar consultations were organized in four Polders under Package-1 in October 2018 too which reported in this monthly progress report. The main objectives of those consultations were as follows:

- Spot resolutions for removable of obstacles to start or run construction/civil works.
- To identify the challenges faced by the titled EPs to receive the compensation from the concerned DC offices against acquired properties.

- To provide more clarification about the submission of necessary papers document required to submit the DC offices for receiving the compensation money.
- To find the solutions and provide proper guidelines and assistance for preparing the required documents.
- To help the Titled EPs and concerned DC offices to expedite the compensation procedures.
- To build awareness about Environment and Social Safeguard Issues of CEIP-1 project.
- To cooperate DC office and titled EPs.
- For reducing the hassle and tiresome of the affected EPs for receiving the compensation, the concern DC office has brought to the village for giving compensation by the cooperation of BWDB, DDCS & PMS Consultant, LAP/RAP team. (Photo attached). It is also expediting the CUL Payment by hearing all grievance & complaint.



Figure 3-16: CUL Payment Photo of Khulna DC Office at Polder-32.



Figure 3-17: CUL Payment Photo of Khulna DC Office at Polder-32.



Figure 3-18: CUL Payment Photo of Khulna DC Office at Polder-33.



Figure 3-19: CUL Payment Photo of Khulna DC Office at Polder-33.

During the month, numerous informal consultation meetings were held among DDCS & PMS Consultants, LAP/RAP Team, BWDB local affected beneficiaries and local government representatives both in Package-1 and Package-2.

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

The possession of land **119.91 ha** has been received for Polder-32, 33, 35/1 and 35/3. An additional Land Acquisition Plan (LAP) was submitted to the DC, Khulna & Bagerhat under **Polder-32 against one mouza (0.85 ha), Polder 35/1 against three mouza (Kumarkhali-1.62 ha, Rayenda-2.57 ha & Sharankhola Mouza-6.93 ha) & Polder-35/3 against one mouza (0.68 ha) land.** A total of 12.65 ha lands are pending for procession received of (0.85 ha) for Polder no. 32 which Waiting for reconnaissance field visit. DLAC approved for Saronkhola mouza (**6.93 ha**) on 08 May 2019 & remaining two mouzas (Rayenda-2.57 & Kumarkhali-1.62) on 11 December 2019. In the meantime, the Notice U/S-4 has been served only for Saronkhola mouza on 27<sup>th</sup> May 2019 as per LA Act. 2017. After receiving the notice U/S-4 the land owners lodged complaint/Grievance to the DC, Bagerhat. Then the Executive engineers with LAP/RAP team has taken a field visit on 26 December 2019 and

recommended to the LAP/RAP team to revise the LAP considering the land owners lodged complaint/Grievance and submitted to the concern authority. Issuance of notices U/S-4 of remaining two mouzas (Kumarkhali & Rayenda) is under process. DLAC has approved against (0.68 ha) land for Polder 35/3 on 30 January 2020 for acquisition and Issuance of notices U/S-4 is under process. Status of land acquisition for four Polders under Package-1 is shown in Table 3-11.

### **3.1.11 Land Acquisition for Package-2**

The land acquisition proposal for six polders under Package-2 has been submitted to concern DC (Pirojpur, Jhalokathi, Barguna and Patuakhali) for acquisition. In the meantime, **139.50 ha** land has been approved by MoL for polder 39/2C, 40/2, 41/1, 47/2 & 48. BWDB has placed fund against CUL to DC, Barguna for Polder-40/2 and Polder-41/1, DC, Pirojpur & Jhalakathi for 39/2C, DC, Patuakhali for Polder-48. In Polder- 43/2C, total 11 mouza have been submitted to the DC office, Patuakhali. Among those notices U/S-4 have been issued against 5 (five) Mouza (Golkhali, Purbogolkhali, Kalirchar, Charhoridevpur, Sohorirnirchar). 4 (Four) of those have been sent to the MoL for final approval. Remaining Land acquisition proposal for 6 (Six) mouzas have been returned to BWDB by DC for necessary correction, BWDB resubmitted the proposal for six mouzas to DC office, Patuakhali. For Polder-39/2C, Notices U/S-7 have been served for 21 mouzas (total 22 mouzas) under Pirojpur district and CUL payment is ongoing. Issuance of notices U/S-7 served for three mouzas, two under process in Jhalokathi district. The status of land acquisition for Package-2 is furnished in the following Table 3-12.

Table 3-11: 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	32	Khulna	51.50	51.50	50.65	50.65	50.65 (26.09.17)	0.85	-	1615.37	1152.67 (71.36%)	Social team is trying their best to be completed soon of Reconnaissance field visit for pending 0.85 ha land for Polder 32 and keeping connection with the DC office. Khulna to expedite payment of CUL.
2	33	Khulna	10.94	10.94	10.94	10.94	10.94 (27.09.17)	-	-	770.04	592.86 (76.99%)	Persuasion is going on APs & Dc's office to expedite the CUL payment.
			3.34	3.34	3.34	3.34	3.34 (23/09/19)	-	-	913.47	231.55 (25.35%)	Persuasion is going on APs & Dc's office to expedite the CUL payment.
3	35/1	Bagerhat	41.29	41.29	41.29	30.17	30.17 (22.03.18)	11.12	-	4525.92	3,405.59 (75.25%)	Persuasion going on with APs to expedite the CUL payment. Necessary activities are going on for three mouzas by the DC office on the newly proposed lands (11.12 ha). DLAC completed for Sharankhola Mouza on 07/05/2019 and remaining two mouzas (Rayenda & Kumarkhali) on 11 December 2019. Notice U/S-4 has been served only for Sharankhola mouza as per new Act'17.
4	35/3	Bagerhat	25.49	25.49	25.49	24.81	24.81 (08.11.17)	0.68	-	1510.51	1,090.64 (72.20%)	Persuasion is going on APs & Dc's office to expedite the CUL payment. DLAC has approved on 30 January 2020 for acquisition and Issuance of notices U/S-4 is under process.
<b>Sub-Total =</b>			<b>132.56</b>	<b>132.56</b>	<b>131.71</b>	<b>119.91</b>	<b>119.91</b>	<b>12.65</b>		<b>9335.31</b>	<b>6,473.31</b> <b>(69.34%)</b>	

Table 3-12: 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	MoL			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	39/2C	Perojpur & Jhalokathi	116.09	116.09	116.09	116.09	49.53	116.09	--	10052.33	<b>372.72 (3.70%)</b>	Approved by MoL on 06.12.2017. Issuance of Notice u/s-7 served and CUL Payment is ongoing (Pirojpur District. Fund placed to DC against CUL.
2	40/2	Barguna	12.45	12.45	12.45	11.68	11.68	-	-	879.92	<b>545.74 (62.02%)</b>	Approved by MoL on 13.03.2018 remain 0.77 ha pending for court case. All land handed over by DC to BWDB except Court Case portion (0.77 ha). CUL payment is ongoing.
3	41/1	Barguna	8.41	8.41	8.29	8.29	8.29	0.12	-	444.52	<b>274.53 (61.76%)</b>	Approved by MoL on 13.03.2018, All land handed over by DC to BWDB.
4	43/2C	Patuakhali	17.96	17.96	13.74	0.06	--	13.88	4.08	--	--	DLAC completed 14.03.2018 & 10.09.18. Among total 11 mouzas, issuance of notices U/S-4 have been completed issued against 5 (five) Mouza. 4 (Four) of them sent to the MoL for final approved and one is under process. Remaining 6 (Six) mouza have been returned for necessary correction and all of them resubmitted to DC office by BWDB.
5	47/2	Patuakhali	2.57	2.57	2.57	2.31	--	2.57	-	--	--	Approved by MoL on 05/04/2018. Notice U/S-6 is completed and Preparation of estimate is under process. All kinds of rate (PWD, DoF) have sent to the DC office. Resent submit 0.26(ha).
6	48	Patuakhali	1.07	1.07	1.07	1.07	0.90	0.17	-	341.54	<b>62.56 (18.32%)</b>	Approved by MoL on 9/7/18. 0.90 (ha) DC Payment is ongoing. Possession 0.90 (ha) Handed over by DC to BWDB. Approval DLAC 0.17 on 05/08/2019 (New proposal).
<b>Total =</b>			<b>158.55</b>	<b>158.55</b>	<b>154.21</b>	<b>139.50</b>	<b>70.40</b>	<b>83.30</b>	<b>4.08</b>	<b>11718.31</b>	<b>1255.55 (10.71%)</b>	

### 3.1.12 Updating of RAP for Package-2

### 3.1.13 Preparatory Activities

The RAP for Package-2 was prepared and cleared by WB 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 6,778 entities have been identified of whom 1,777 entities are titled and 4,747 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. The Polder wise number of Entitled persons is shown Table 3-13 below:

Table 3-13: Polder-wise numbers of Entitled Persons

Polder No.	Land under private ownership	Nos. of Squatters			Tenants (GoB land)			Wage labours (GoB) land
		Commercial	Residential	Total	Commercial	Residential	Total	
1	2	3	4	5=(3+4)	6	7	8=(6+7)	9
39/2C	1,489	37	15	52	21	06	27	11
40/2	156	705	1,040	1,745	381	17	398	95
41/1	37	377	467	844	64	04	68	12
43/2C	77	278	258	536	106	09	115	24
47/2	17	70	131	201	08	00	08	01
48	01	593	776	1369	171	27	198	185
<b>Total =</b>	<b>1,777</b>	<b>2,060</b>	<b>2,687</b>	<b>4,747</b>	<b>751</b>	<b>63</b>	<b>814</b>	<b>328</b>

Source: Updated IoL (June 2016 – January, 2020)

### 3.1.14 Implementation RAP for Package-2

Necessary papers and documents such as Bank Account deposit slip, photocopy of national ID cards etc. have been collected from the Non-Titled EPs. ID Cards are being prepared for non-titled EPs (squatters, tenants, wage labourers). The tenants and wage labours are not included in the current EP list. The Polder-wise status of ID cards is shown in Table 3-14 below;

Table 3-14: Status of ID card preparation for Implementation in Package-2

Polder Nos.	Number of Non-Titled EPs.	Number of Photograph taken of the EPs.	Number of Accounts opened with Bank	Number of National ID cards procured	Number of EP ID Cards prepared	Nos. of ID card issued by XEN
39/2C	52	50	50	50	50	50
40/2	1745	1,666	1,666	1,666	1,666	1,666
41/1	844	802	802	802	802	802
43/2C	536	567	567	567	567	567
47/2	201	160	160	160	160	160
48	1369	1,369	1,369	1,369	1,369	1,369
<b>Total=</b>	<b>4747</b>	<b>4,614</b>	<b>4,614</b>	<b>4,614</b>	<b>4,614</b>	<b>4,614</b>

Source: MIS and field-level information

### 3.1.15 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 2,772 EPs have been prepared for payment of compensation/Resettlement benefits according to the policy of Resettlement Action Plan (RAP) and 2760 EPs have been paid amounting BDT 2,963.92 lac. Out of 2,772 Cheques, 09 numbers cancelled. Now number of payment Cheques 2,760 and 03 numbers are pending. The detail of the issue is shown in below:

Table 3-15: Payment of Resettlement Benefit to squatter in package-2

SI No	Polder No.	Non-titled (Squatter)	Tenants	Wage labours	Total Paid Non-titled EPs	Paid Amount (BDT Lac)
1	39/2C	52	27	11	-	-
2	40/2	1,745	398	95	731	722.22
3	41/1	844	68	12	411	487.87
4	43/2C	536	115	24	458	536.58
5	47/2	201	08	01	160	155.87
6	48	1,369	198	185	1000	1,061.38
<b>Total =</b>		<b>4,747</b>	<b>814</b>	<b>328</b>	<b>2,760</b>	<b>2,963.92</b>

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

The payment of compensation has been started under Law (CUL) to the Titled EPs is going on by DC office both Braguna and Patuakhali Districts. As of January 2020, DC office Barguna and Patuakhali has paid a total BDT 905.55 lac against 448 nos. of awardees among Titled EPs (14 nos. of Polder-39/2C, (250 nos. of Polder-40/2, 180 nos. of Polder-41/1 & 04 nos. of Polder-48). 08 nos. of EPs have been paid under the CUL in January 2020. As the continuous process, the social team is keeping connect with the concern DC Office for expediting the CUL payment and holding meeting regularly.

Table 3-16: Polder- wise payment made by DCs (Patuakhali & Barguna) till January, 2020.

Payment made								
SL No.	Polder No.	District	Total No. of Awardees	No of awardees applied to DC to get CUL	Total estimated amount (BDT Lac)	No. of awardees paid	Cheque distribution	Amount in BDT Lac
1	2	3	4	5	6	7	8	9
1	39/2C	Pirojpur, Jhalokathi district	15890	4508	10052.33	19	8	372.72 (3.71%)
2	40/2	Barguna	793	350	879.92	272	247	545.74 (62.02%)
3	41/1	Barguna	548	284	444.52	180	146	274.53 (61.76%)
4	43/2C	-	-	-	-	-	-	-
5	47/2	-	-	-	-	-	-	-
6	48	Patuakhali	26	12	341.54	4	4	62.56 (18.32%)
<b>Total =</b>			<b>17,257</b>	<b>5,154</b>	<b>11,718.31</b>	<b>475</b>	<b>405</b>	<b>1,255.55 (10.71%)</b>



### 3.1.17 Relocation Status of Package-2 after compensation payment of First Indent

Following the payment of compensation against the 1<sup>st</sup> to 3<sup>rd</sup> indents the affected people started relocating their structures by their own choice. It was disseminated to the people that if the affected people show their willingness for group relocation, the project will provide some support through civic amenities like construct entrance way, sanitary latrines and tube well etc. BWDB concern and DDCS & PMS Consultants have been encouraging the AP for group relocation so that there will be little chance to come back on the embankment. But in most cases, the affected people have been showing different opinions for individual relocation instead of group relocation. **The progress has shown that a total 2392 have relocated till January 2020.** Cluster relocation made by 133 EPs comprises in the 5 different places (3 in Pochim Kuakata and 2 in Khajura) in Polder-48 and 4 different places of Polder-41/1. The status of relocation has given below in Table 3-17 after the first indent payment made:

Table 3-17: 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	392	169	253	98	320	1232	44.44
Relocated on purchased land	44	68	29	5	131	277	9.99
Relocated on relative & other's land	124	59	92	3	120	398	14.36
Relocated Temporarily at nearby area (Govt. Land)	84	88	56	49	208	485	17.50
<b>Total Relocated-A =</b>	<b>644</b>	<b>384</b>	<b>430</b>	<b>155</b>	<b>779</b>	<b>2392</b>	<b>86.29</b>
Not yet relocated	89	24	30	5	99	247	8.91
Market Relocation	0	0	0	0	0	0	0.00
Group Relocation	5	4	0	0	124	133	4.80
<b>Total Relocation-B =</b>	<b>94</b>	<b>28</b>	<b>30</b>	<b>5</b>	<b>223</b>	<b>380</b>	<b>13.71</b>
<b>Total Relocation target (A+B) =</b>	<b>738</b>	<b>412</b>	<b>460</b>	<b>160</b>	<b>1002</b>	<b>2772</b>	<b>100</b>

*\*It is noted that the percentage of the group relocation has been decreased (6.84%) due to increased number of payments.*

Photos of Group relocation are presented below:



Figure 3-20: Two different Group relocation sites of Pochim Kuakata of Polder 48



Figure 3-21: Khajura village Group relocation of Polder-48



Figure 3-22: Another group of relocation of Pochim Kuakata of Polder 48



**HHs ID 771 Resident Structure Before Relocation**  
 Figure 3-23: HH 771 before relocation in Polder-40/2



**HHs ID 771 Resident Structure After Relocation**  
 Figure 3-24: HH 771 after relocation in Polder-40/2



**HHs ID 416 Resident Structure Before Relocation**  
 Figure 3-25: HH 416 before relocation in Polder-41/1



**HHs ID 416 Resident Structure After Relocation**  
 Figure 3-26: HH 416 after relocation in Polder-41/1



**HHs ID 480 Resident Structure Before Relocation**  
 Figure 3-27: HH 480 Before relocation in Polder-43/2C



**HHs ID 480 Resident Structure After Relocation**  
 Figure 3-28: HH 480 After relocation in Polder-43/2C

### 3.1.18 Physical and Economical Displacement/Relocation (Non-titled)

The status of Physical displacement and Economical displacement (Relocation) of Package-2 for four Polders are given as follows:

Table 3-18: Physical displacement and Economical displacement (non-titled) of Package-2

Sl. No.	Polder No.	Physical Displacement	Economical Displacement	Total Displacement
1	40/2	611	127	738
2	41/1	281	131	412
3	43/2C	295	165	460
4	47/2	93	67	160
5	48	633	369	1002
<b>Total =</b>		<b>1,913</b>	<b>859</b>	<b>2,772</b>

### 3.1.19 Relocation of Physical Displaced household in Package-2

It is evident from the majority of the displaced people (46.05%) relocated to self-managed land. It is very important that 12.86% people have been settled in purchased land and hope the group will be sustained. Only 7.27% people yet to manage any place/land for making shelter/house.

Table 3-19: Relocation Status of Residence (Physical Displacement) in Package-2

Status of relocation	Number of squatters relocated by Polders						Total Physical Displacement	%
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48			
Relocated on own land	345	112	154	58	212	<b>881</b>	<b>46.05</b>	
Relocated on purchased land	40	57	29	3	117	<b>246</b>	<b>12.86</b>	
Relocated on relative & other's land	103	49	65	3	30	<b>250</b>	<b>13.07</b>	
Relocated Temporarily at nearby area (Govt. Land)	71	43	29	27	99	<b>269</b>	<b>14.06</b>	
Not yet relocated	47	16	18	2	56	<b>139</b>	<b>7.27</b>	
Group Relocation	5	4	0	0	119	<b>128</b>	<b>6.69</b>	
<b>Total =</b>	<b>611</b>	<b>281</b>	<b>295</b>	<b>93</b>	<b>633</b>	<b>1913</b>	<b>100</b>	

### 3.1.20 Relocation of Economically Displacement in Package-2

The relocation status of Economical/Commercial displacement of 5 Polders under Package-2 is shown below:

Table 3-20: Status Relocation Status of Economical Displacement (non-titled)

Status of relocation	Number of squatters relocated by Polders						Total Economical Displacement	%
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48			
Relocated on own land	47	57	99	40	108	<b>351</b>	<b>40.86</b>	
Relocated on purchased land	4	11		2	14	<b>31</b>	<b>3.61</b>	
Relocated on relative & other's land	21	10	27	0	90	<b>148</b>	<b>17.23</b>	
Relocated Temporarily at nearby area (Govt. Land)	13	45	27	22	109	<b>216</b>	<b>25.15</b>	
Not yet relocated	42	8	12	3	43	<b>108</b>	<b>12.57</b>	
Group Relocation	0	0	0	0	5	<b>5</b>	<b>0.58</b>	
<b>Total =</b>	<b>127</b>	<b>131</b>	<b>165</b>	<b>67</b>	<b>369</b>	<b>859</b>	<b>100</b>	

### 3.1.21 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. The organogram of GRC is given as follows Table 3-21:

Table 3-21: Organogram of GRC

Concern Executive Engineer, BWDB,	Convenor
UP Representative	Member
Representative of Educational Institution	Member
Representative of Women Local Group	Member
Representative of PAP Group	Member
Representative of IA/LAP-RAP Team	Member Secretary

A total number of 45 complaints/grievances have been received so far up to January, 2020 by GRC. 25 of them have been resolved at the entry and remaining 20 cases are pending for investigation and formal hearing by GRC. Table 3-22 shows the status of complaints/cases received & resolved by GRC.

Table 3-22: 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	Newly lodged Grievances
1	Barguna	40/2	12	0	0	0
2	Barguna	41/1	16	8	0	0
3	Patuakhali	43/2C	17	17	0	0
4	Kalapara	47/2	0	0	0	0
5	Kalapara	48	0	0	0	0
<b>Total =</b>			<b>45</b>	<b>25</b>	<b>0</b>	<b>0</b>

BWDB and RAP team maintain records in detail about the complaints, procedures and the resolutions adopted in a register including intake register, resolution register and closing register followed by the policy of the RAP.

### 3.1.22 Focus Group Discussion for Package-2

Focus Groups (FG) formation was targeted based on the number of HHs in the respective Polders. According to the plan **227 numbers of focus group** were formed in 6 Polders under Package-2. A total of **1,036 focus group meetings** have been held with resolution. Some of the groups have been met twice or more. The table here below shows the status of formation and number of discussions or meetings held.

Table 3-23: Status on FGDs as of January, 2020

Polder No.	FGD Target	FGD Formation	FGD Meeting	During January, 2020	Total Achievement
1	2	3	4	5	4+5=6
39/2C	32	32	74	5	79
40/2	57	57	224	3	227
41/1	38	38	188	2	190
43/2C	31	31	199	3	202
47/2	09	09	74	2	76
48	60	60	260	2	262
<b>Total =</b>	<b>227</b>	<b>227</b>	<b>1,019</b>	<b>17</b>	<b>1,036</b>

### 3.1.23 Distribution of Information Brochure and GRM Leaflet of Package-2

Information booklet in Bangla is a useful tool to disseminate information among the PAPs to their convenience. All necessary information about land acquisition, necessary documents relevant to land ownership, compensation package, resettlement policy, entitlements and eligibility of entitlements, grievance redress mechanism, etc. have been explained in the information booklet. Distribution of GRM leaflets has since been started among all EPs and the concerned stakeholders.

### 3.1.24 Database Preparation of Package-2

Computerized datasheet on household information and on the number of structures by category has been sent to Package-2 Polders for further checking and verification before generation of tables for updating of the RAP. Database is being updated based on the field level verification. PAVC will recommend unit rates of affected structures based on the recommended rates on individual entitlement of each squatter which will be inserted in database.

### 3.1.25 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. The said EIA reports were updated based on final Land Acquisition Plan (LAP) which were also approved by the competent authorities including World Bank. The EMP of the EIA reports are being implemented in Package-1.

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

### 3.2.1 Data processing & 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 Bid Documents of Package-2

The Bid Documents covering all the activities mentioned above were completed and approved by the competent authority based on which the tender of Package-2 was floated and finalized and subsequently, the contract was awarded to the lowest bidder. Detailed information below:

Date of Bidding	: 03 December, 2015,
Notice of award	: 15 December, 2016,
Signing of Contract	: 8 March, 2017,
Commencement of Work	: 12 August, 2017,
Original Target for completion	: 11 January, 2021
Contract Value	: BDT: 10,899,564,634.65

### 3.2.3 Design status of Package-2

All the Detailed Designs of Package-2 were completed.

### 3.2.4 Preparation of EIA of Package-2

The EIA of 6 Polders under Package-2 were completed during the study period and duly been approved by the competent authorities including World Bank. The said EIA reports were updated based on final Land Acquisition Plan (LAP) which were also approved by the competent authorities including World Bank. The EMP of the EIA reports are under implementation in Package-2.

### 3.2.5 Monthly EHS meeting January, 2020

A monthly Environmental, Health and Safety (EHS) meeting for Polder 40/2 and 41/1 under Package-02 of CEIP-1 was held in the conference room of the Project Director, CEIP-1 on 26 January, 2020 at 11.00 am, where Mr. Md. Kaisar Alam, Executive Engineer, Barguna O & M Division, BWDB, Barguna and Convener of the EHS committee presided over the meeting.

In the meeting various EHS shortfall issues of Polder 40/2 and Polder 41/1 were discussed and the Contractor's representative was requested to comply within period agreed by him.

The major EHS issues discussed in the meeting are,

- Deployment of qualified experienced Local and Chinese EHS Officers in Polder 40/2
- Fencing of workers' camp for Polder 40/2 with protected entrance
- Contractor's following of Bangladesh Children's Act 2013 for verifying workers' age during appointment
- Establishing confined and paved waste storage and improvement of waste management in camp site of Polder 40/2
- Establishing of paved area for refuelling of chemical/fuel in Polder 40/2 to check soil and water contamination
- Improvement of industrial waste storage area in Polder 41/1
- Improvement of chemical/refuelling area in Polder 41/1

### 3.2.6 Meeting on preparation of Annual audit report by the Third-party M&E Consultants

A meeting was organised on 20.01.2020 in the office of DDCS & PMS Consultants on 20.01.2020 for discussion on various environment related issues. The meeting was arranged by Mr. Rezaul Haque Khan, Environmental Specialist, Third Party M&E Consultants and was participated by Senior Environmental Specialist, PMU and Environmental Specialist, DDCS & PMS Consultants to discuss various environmental issues as required for preparation of 4th Environmental annual audit report.

Mr. Rezaul Haque Khan expressed his observation on his latest field visit carried out during the month of January, 2020 in the active work sites of Package-1 and Package-2 of CEIP-1 and expressed means and ways of further improvement of EHS compliance, specially in Package-2 work sites.

Finally, various data/ information required for preparation of 4th Environmental Annual Audit report were provided for the purpose and thus the meeting concluded.

### 3.2.7 Review of EIA Report of Polder 14/1 (Package-3)

The EIA report of Polder 14/1 of Package-3 has been prepared by inclusion of responses of World Bank comments. The report has been submitted to International Panel of Expert (IPOE), Environment, as per the World Bank's requirement. The EIA reports of other 6 Polders (Polders 15, 16, 17/1, 17/2, 23 and 34/3) will also be finalised following the approval of World Bank and IPOE, Environment after their approval of the EIA report of Polder 14/1.

### 3.2.8 Information/Data on Environmental issues, (Package-1)

The Contractor, Package-1 has submitted some environment-related information/data for the month of January, 2020 pertinent to their active work sites. They are provided in table below as follows:

Table 3-24: Information for the month of January, 2020

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 month	Comments
	Local workers	Expatriate workers	No. of trainings	No. of trainees				
Polder 32	87	11	08	98	00	00	00	
Polder 33	63	07	00	70	00	00	00	
Polder 35/1	185	16	12	201	01	00	00	Finger cutting, minor injury, treated with first aid facilities and got back to work next day
Polder 35/3	32	05	00	37	00	00	00	
Nalian Closure Dam.	170	08	09	178	01	00	00	Leg cutting, small injury, treated with first aid facilities and resumed working next day
Khulna	18	13	01	31	00	00	00	
<b>Total:</b>	<b>555</b>	<b>60</b>	<b>30</b>	<b>615</b>	<b>02</b>	<b>00</b>	<b>00</b>	

### 3.2.9 Key EHS compliance (Package-1)

Various key EHS measures complied based on EHS risk management in the light of EAP (in Package-1) during the month of January, 2020 are presented in Table 3-25 below:

Table 3-25: Measures taken on EHS Risk Management and EAP for Package-01

Sl. No.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
1	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 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 owner of land</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>	
2	32 Construction of Closure	Nalian Closure site	Occur accident, falling down into the river	<ul style="list-style-type: none"> <li>Conducted tool box talking regularly</li> <li>All workers used life jackets during working in Barge</li> <li>All worker used mask, helmets, gloves, gumboots etc.</li> <li>Provided first aid facilities of the workers</li> <li>Demarked the whole working area of closure site</li> <li>Installed cautionary sign board and signage at different locations</li> <li>Checked the equipment and vehicles regularly</li> <li>Conducted training on driving safety and other EHS issues</li> <li>Provided safe drinking water and hygienic toilet facilities to workers</li> </ul>	
3	Polder 32,33 &35/3	Automatic CC manufacturing plants	Lockout-tagout (LOTO) of automatic plant	<ul style="list-style-type: none"> <li>Automated CC plant checked regularly</li> <li>Checked electric, switch, fuel and all types of connection lines</li> <li>Preserved the key with designated person</li> </ul>	No work during the month of December, 2019 in the automated CC manufacturing plants of these polders

### 3.2.10 Noise levels of work sites of Package-1

According to the Contractor, Package-1, the Tafalbari automatic CC block manufacturing plant (Polder 35/1) was in operation for certain period of the month of January, 2020 and recorded the noise level. The recorded noise levels are provided in the following Table:

Table 3-26: Noise levels of Tafalbari automatic CC block manufacturing area (P-35/1)

Monitoring location	Tafalbari automated CC block manufacturing plant	
Monitoring date and time	28.01.2020 (Day time)	
Noise Meter Model	Digital sound level Meter AR824	
Noise Sources during monitoring	Operation of plant, Fork lift operation, Vehicle movement, workers' voices and movement etc.	
Location category	Mixed area	
Noise measurement results, dB	Plant operator	112.8, 105.4, 111.2
	Curing area (starting point)	91.5, 95.2, 87.8
	Curing area (End point)	85.8, 78.7, 82.3
	Stacking area	87.8, 76.2, 75.5
	House no. 01	62.6, 68.4, 74.2
	Rod cleaning area	65.4, 54.5, 63.5
	Drilling area	78.8, 62.3, 56.2
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)	



### 3.2.11 Information/data on environment-related issues, (Package-2)

The Contractor, Package-2 has submitted some environment-related information/data for the month of January, 2020 pertinent to their active work sites. They are provided in Table as follows:

Table 3-27: Information Package-2 for January, 2020

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	465	19	110	6	0	0	2 staffs' leg fingers cutting and 2 got leg injury, 1 worker got hand injury and 1 got hand nail injury. 4 workers were treated with first aid treatment and 2 were sent to nearby clinic immediately for treatment. All the injuries were minor, they were granted 1 day leave and provided required medicines as prescribed and they resumed working from the next day.
Polder 40/2	145	14	30	1	0	0	One Worker injured his foot when installing the concrete pump pipe, sent him in clinic for treatment. He was given half day over time and provided medicines required for treatment.
Polder 41/1	193	18	50	1	0	0	One slight finger injury which was treated with first aid facilities. He was granted 1 day leave and could work from the next day
Polder 43/2C	130	17	50	1	0	0	A worker received hand finger injury and was sent to the clinic immediately. Provided all medicine and 2 days' leave and resumed working afterwards.
Polder 47/2	25	3	20	6	0	0	No injury this month.
Polder 48	90	15	40	4	0	0	3 workers got minor finger injury and recovered by first aid medicines. One got hand injury. gave medicine and then sent to clinic. All 4 workers resumed working from the next day.

### 3.2.12 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 January, 2020 are presented in table below:

Table 3-28: Measures taken on EHS Risk Management and C-ESMP for Package-02

Sl. No.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues
1	39/2C Automatic CC Block Manufacturing yard	Automatic Machine plant	Producing high Noise	<ul style="list-style-type: none"> <li>Workers used ear plug &amp; ear muff</li> <li>Provided close chamber for operator's room</li> <li>Introduced shifting duties for workers working in high noise area</li> <li>Monitored noise level regularly</li> <li>Conducted periodic hearing check for high noise exposed workers</li> <li>Cross checked by Environmental Specialist during EHS field visit</li> </ul>
			Emission of Dust	<ul style="list-style-type: none"> <li>Sprayed water at certain intervals in the plant area</li> <li>Workers used masks</li> <li>Wetted and cleaned the aggregates before use</li> <li>Covered/wetted the dusty part of the materials</li> </ul>
			Lockout-tagout (LOTO) of automatic CC plant	<ul style="list-style-type: none"> <li>Automated CC plant checked regularly</li> <li>Checked electric, switch, fuel and all types of connection lines</li> <li>Preserved the key with designated persons</li> <li>PPE used by the workers</li> </ul>
			Mixing area	<ul style="list-style-type: none"> <li>Provided protective barrier around the hopper area</li> </ul>
			Stockpile area	<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> </ul>
			Electric firing	<ul style="list-style-type: none"> <li>Checked the switch board and wire system regularly</li> <li>Provided fire extinguisher and sand at strategic locations</li> <li>Provided training of workers for extinguishing fire</li> </ul>
			Fuel Storage	<ul style="list-style-type: none"> <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>Provided eye protection glass and hand gloves</li> <li>Maintained minimum distance during fueling and re-fueling</li> </ul>
			Forklift	<ul style="list-style-type: none"> <li>Maintained Speed limit</li> <li>Prepared Safe operation manual</li> <li>Regular tool box talk conducted</li> <li>Provided separate lane for pedestrians and forklift</li> </ul>
			Waste storage and disposal	<ul style="list-style-type: none"> <li>Provided separate collection bins for different waste types</li> <li>Installed designated dumping area</li> <li>Installed decanting boxes</li> <li>Established for collection of industrial waste</li> <li>Ensured safe waste disposal</li> </ul>
2	39/2C, 41/1, 43/2C and 47/2  Bank Protection work (Barge)	Forklift	Occur accidents	<ul style="list-style-type: none"> <li>Speed limit maintained</li> <li>Safe operation manual prepared</li> <li>Regular tool box talk conducted</li> <li>Established separate lane for pedestrians and forklift</li> </ul>
		CC block stacking area	Collapse of stacked CC blocks	<ul style="list-style-type: none"> <li>Stacking area is demarcated</li> <li>Provided cautionary sign board</li> </ul>
		Lining of CC block	Worker may fall into the river	<ul style="list-style-type: none"> <li>Provided life jacket to workers</li> <li>Provided a barrier at 0.5-1.0 m from the end of the barge</li> </ul>
		Loading of CC block	May imbalance the barge due to	<ul style="list-style-type: none"> <li>Responsible person appointed to maintain balance during loading</li> </ul>

Sl. No.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues
			uneven loading	<ul style="list-style-type: none"> <li>Workers have been trained to adopt safety measures accordingly</li> </ul>
		Dumping of CC block	Falling of excavator due to improper operation	<ul style="list-style-type: none"> <li>Tool box talk conducted regularly</li> <li>Forklift safety procedures established</li> <li>Training of workers imparted</li> </ul>
3.	39/2C, 40/2, 43/2C and 48 Slope Protection work	River bank and CC block casting area	Accidents may occur, river water may be polluted	<ul style="list-style-type: none"> <li>Avoided spilling of earth material in surface water.</li> <li>Proper drainage provision has been kept to avoid formation of rain cuts due to surface run off.</li> <li>Turfing has been done to control soil erosion and river water pollution</li> </ul>
4.	40/2,41/1, 43/2C, 47/2 and 48  CC block manufacturing by mixture machine	CC block manufacturing site by mixture machine	Accidents may occur, Emission of dust, high noise, out breaking of fire, injury to the worker etc.	<ul style="list-style-type: none"> <li>Sprayed water at certain intervals in the mixture machine area and adjacent locations</li> <li>Wetted and cleaned the aggregate before using</li> <li>Conducted tool box talk regularly</li> <li>Checked mixture machine regularly</li> <li>Checked electric switch, fuel and all types of connection line during off and on of mixture machine</li> <li>Preserved the key of mixture machine with the designated person only</li> <li>Used ear plug and ear muff before starting the mixture machine</li> <li>Sprayed water during intervals at stockpile areas</li> <li>Demarcated the CC block stacking areas</li> <li>Provided cautionary signboards at CC block stacking areas</li> <li>Provided the fire-extinguisher at different locations</li> <li>Closed all switch boards properly and checked by the responsible person at regular intervals</li> <li>Used gas mask and eye protective glass properly during welding</li> <li>Established signals to indicate entry &amp; exit and movement in the working area</li> <li>All workers equipped with PPE for using during work</li> </ul>

### 3.2.13 Noise records of susceptible work sites, Package-2

The Contractor, Package-2 has recorded the noise levels of different susceptible work sites of all polders for the month of January, 2020 which are enclosed in the following tables:

Table 3-29: Noise level of Polder-39/2C

Polder 39/2C Noise Record													
Monitoring Location:	Polder 39/2C - Camp Area, CC Block, Manufacturing plant & River Side												
Monitoring Date	15-January-2020												
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	<table border="0"> <tr> <td>Operator of Automatic CC Block Machine (Down)</td> <td>CC</td> <td></td> </tr> <tr> <td>Yard-1 (x-486822.98, y-501222.532)</td> <td>y-</td> <td>75.3,76.4, 75.85</td> </tr> <tr> <td>Yard-2 (x-486645.32, y-500866.968)</td> <td>y-</td> <td>No work this month</td> </tr> <tr> <td>Yard-3 (x-479145.64, y-</td> <td>y-</td> <td>No work this month</td> </tr> </table>	Operator of Automatic CC Block Machine (Down)	CC		Yard-1 (x-486822.98, y-501222.532)	y-	75.3,76.4, 75.85	Yard-2 (x-486645.32, y-500866.968)	y-	No work this month	Yard-3 (x-479145.64, y-	y-	No work this month
Operator of Automatic CC Block Machine (Down)	CC												
Yard-1 (x-486822.98, y-501222.532)	y-	75.3,76.4, 75.85											
Yard-2 (x-486645.32, y-500866.968)	y-	No work this month											
Yard-3 (x-479145.64, y-	y-	No work this month											

497806.564)	
Operator of Automatic CC Block Machine (Up) Yard-1 (x-486822.98, y-501222.532) Yard-2 (x-486645.32, y-500866.968) Yard-3 (x-479145.64, y-497806.564)	74.4, 75.5, 74.95 No work this month No work this month
Area for Tray Replacement x-486835.47, y-50222.124	69.6, 70.2, 69.9
Generator Room (Outside) Yard-1 (X:486814.56 Y:501221.421) Yard-2 (X:486659.23 Y:500870.523) Yard-3 (X:479160.18 Y:497811.852)	87.6, 88.3, 87.95 No work this month No work this month
Generator Room (Inside) Yard-1 (X: 486814.69 Y:501221.431) Yard-2 (X: 486654.22 Y:500870.548) Yard-3 (X: 479160.18 Y:497811.852)	88.4, 89.3, 88.85 No work this month No work this month
CC Block Stack Area (80 M from Machine) x-486734.18, y-501289.32	68.3, 69.8, 69.05
Workshop Area x-486732.741, y-502101.72	69.4, 70.3, 69.85
Camp Area x-486715.108, y-502101.107	58.3, 59.4, 58.85
Community (East) x-486513.74, y-502104.15	59.2, 59.7, 59.45
Community (West) x-486789.23, y-502103.163	58.3, 59.4, 58.85
River Side x-486899.756, y-501973.934	59.2, 60.3 59.75
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 3-30: Noise level of Polder-40/2

Noise Record		
Monitoring Location		Polder 40/2, camp
Monitoring Date		28.1.2020(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)	62,65,63
	curing area (start point) (E497106.635 N434368.626 2.78)	60,61,61
	curing area (end point) (E497090.418 N434360.046 2.31)	64,63,65
	stacking area (E497126.491 N434341.003 2.88)	63,63,62
	Generator house (E497000.16 N434328.054 3.05)	79,82,80
	Kitchen (E497101.516 N434323.099 2.64)	60,58,58
	Camp room No.1(E497100.876 N434366.099 2.66)	55,55,56
	Camp room No.2(E497121.312 N434331.878 2.65)	53,55,56
Worker rest house (E497090.418 N434360.046 2.31)	54,53,52	
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 3-31: Noise level of Polder-41/1

Polder 41/1 Noise Record		
Month: January, 2020		
Monitoring Location		Polder 41/1 Coordinates: N447305.458 E521446.412
Monitoring Date		30.1.2020(Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		CC block casting yard, Generator
Location category		Mixed area
Measurement results, dB	Generator room N447291.788 E521447.84	85,83.5,78
	Curing area (start point) N447318.086 E521433.608	68,63.8,60
	Curing area (end point) N447305.458 E521446.412	60,62,58
	Stacking area N447365.951	60.5,56,53.6

	E521434.048	
	Kitchen E52141.700	N447392.819 48,47,46
	House No.1 E521409.219	N447368.946 46,48,44
	House No.2 E521416.627	N447389.027 45,42,40
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 3-32: Noise level of Polder-43/2C

Polder 43/2C Noise Record		
Month: January, 2020		
Monitoring Location	Polder 43/2C, construction camp Coordinates: N454928.496 E540920.040	
Monitoring Date	30.1.2020(Day time)	
Noise Meter Model	Digital sound level meter AS804	
Major noise sources during monitoring	D/S3, Generator	
Location category	Mixed area	
Measurement results, dB	D/S3 country side N454704.912 E540183.263	45.1 46.2 48.1
	CC Block manufacture area	52.1 51.2 50.2
	Mixer machine	69.1 68.1 70.2
	Generator	70.3 74.1 74.4
	D/S3 box area	62.8 63.2 64.9
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 3-33: Noise level of Polder-47/2

Polder 47/2 Noise Record	
Month, January, 2020	
Monitoring Location	Polder: 47/2 Coordinates: N423238.5061 E518603.9325
Monitoring Date	30.1.2020 (Day time)
Noise Meter Model	Digital sound level meter AS804
Major noise sources during monitoring	Generator

Location category		Mixed area
Measurement results, dB	Mechanical area N423140.8130 E518585.0610	90, 85, 79
	CC Block casting yard N423082.1580 E518565.5899	85, 70, 65
	Kitchen N423202.3607 E518670.3063	70, 65, 67
	Outside of generator	95, 94, 100
	Inside of generator	92, 90, 89
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 3-34: Noise level of Polder-48

Monitoring Location		Polder 48, CC block yard Coordinates: N416325.431 E512365.154
Monitoring Date:		28 January 2020
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Mixed area
Measurement results, dB	CC Mixer machine N416380.152 E512338.650	61,63,63
	curing area (start point) N416365.201 E512314.320	60,61,62
	curing area (end point) N416412.693 E512374.993	61,59,60
	stacking area N416410.630 E512390.085	59,58,60
	Kitchen N416375.098 E512307.765	58,59,61
	House No.1 N416359.302 E512310.137	51,52,52
	House No.2 N416365.201 E512327.038	53,53,54
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)

### 3.2.14 Renewal of Environmental Clearance Certificate (ECC) for all the 10 Polders of CEIP-1

Department of Environment (DoE) has renewed the Environmental Clearance Certificate (ECC) of all the 10 Polders (Polders 32,33,35/1 and 35/3 of Package-1 and Polders 39/2C, 40/2,41/1, 43/2C, 47/2 and 48 of Package-2) under CEIP-1 on 10.01.2020 for 1-year period from 05.11. 2019 to 04.11. 2020 as enclosed herewith below:

শেখ হাসিনার বাংলাদেশ  
পরিষ্কৃত্তম পরিবেশ

Government of the People's Republic of Bangladesh  
**Department of Environment**  
Head Office, Paribesh Bhaban  
E-16 Agargaon, Dhaka-1207  
www.doe.gov.bd

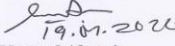
Memo No: DoE/Clearance/5196/2013/71 Date: 19/01/2020

**Subject: Renewal of Environmental Clearance Certificate for Polders-32, 33, 35/1 & 35/3 at Khulna Division under Package-1 and Polders-39/2C, 40/2, 41/1, 43/2C, 47/2 & 48 at Barishal Division Under Package-2 of Coastal Embankment Improvement Project, Phase-1 (CEIP-1), Bangladesh Water Development Board.**

Ref: Your Application dated 28/10/2019 and 22/12/2019.

With reference to the above, the Department of Environment has decided to renew the Environmental Clearance Certificate in favor of Polders-32, 33, 35/1 & 35/3 at Khulna Division under Package-1 and Polders-39/2C, 40/2, 41/1, 43/2C, 47/2 & 48 at Barishal Division Under Package-2 of Coastal Embankment Improvement Project, Phase-1 (CEIP-1) subject to fulfilling the following terms and conditions.

- I. The terms and conditions as stated in the Environmental Clearance Certificate issued on 05.11.2018 vide DoE/Clearance/5196/2013/1035 shall remain valid for the renewed period.
- II. This renewal is valid upto 04.11.2020. Application for further renewal along with the renewal fee and Vat on renewal fee in separate Treasury Chalan shall have to be submitted to the Director General, Department of Environment, Head Office, Dhaka with a copy to concerned divisional office at least 30 days before the expiry.

  
19.01.2020  
(Syed Nazmul Ahsan)  
Director (Environmental Clearance)  
Phone # 8181673

**Chief Engineer & Project Director**  
Coastal Embankment Improvement Project, Phase-1 (CEIP-1)  
Bangladesh Water Development Board (BWDB)  
House-15, Road-24  
Gulshan-2, Dhaka.

**Copy Forwarded to :**

- 1) PS to the Secretary, Ministry of Environment, Forest and Climate change, Bangladesh Secretariat, Dhaka.
- 2) Director, Department of Environment, Barishal/Khulna Divisional Office, Barishal / Khulna.
- 3) Deputy Director, Department of Environment, Bagerhat District Office, Bagerhat.
- 4) Assistant Director, Office of the Director General, Department of Environment, Head Office, Dhaka

Figure 3-29: Environmental Clearance Certificate (ECC) of all the 10 Polders

### 3.2.15 Progress of Mechanical Work

About mechanical aspects the following activities were conducted:

#### Package-1

The installation of gates and hoists in 29 sluices have been completed and installation of the remaining gates are in a boost stage of completion and will speed up the expenditures and consequently the disbursements in the coming months. Corrective action is executed on some of the sluices to install support brackets with replacement of shafts (incorrectly fabricated by contractor) and reduce the diameter of the swivel wheel. Revised design and drawings have been prepared for the drainage sluices of different Polders which has already been approved by the concerned Design Office of BWDB. Work order for Fabrication and Installation of Gates and Hoists, based on revised design, was issued to the contractor immediately after getting approval of the revised design. But the fabrication work is yet to begin due to the non-approval of the Variation Order No.04 from the appropriate authority.

#### 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 45 no. gates and hoists have arrived at site. Inspection and testing of these Gates have already been done. Contractor has been advised to install these Gates as early as possible. Probable time for shipment of the remaining gates are, March, 2020. Testing and inspection of the fabrication works of gates and hoist in China by three-member team has been performed on August 2019.



### 3.3 Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package-03 Polders

#### 3.3.1 Design

The Design Parameters were obtained from IWM in the month of March, 2018 which were concurred by the Superintending Engineer, Design Circle-5 in the month of September, 2018. By this time, the Design of Embankments of 7 Polders and Drainage Cum Flushing Sluices have been prepared and submitted to the Design Circle-5 BWDB, Dhaka for approval. The design of Embankment of 7 Polders and design of 5 Drainage Sluices of different vents have been approved by the Design Circle-5 by this time and the design of more 48 Drainage Sluices of different vents have been completed and submitted to the Design Circle-5 for approval.

Table 3-35: Status of Design for Package-03

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	0	4	4	0	1	1	0
2	15	30.78	30.78	30.78	15.44	15.44	0	4	4	0	0	0	0
3	16	44.75	44.75	44.75	47.90	47.90	0	17	17	1	0	0	0
4	17/1	38.50	38.50	38.50	35.80	35.80	0	10	10	1	0	0	0
5	17/2	11.00	11.00	11.00	12.40	12.40	0	3	3	2	0	0	0
6	23	36.70	36.70	36.70	31.50	31.50	0	12	12	0	12	12	0
7	34/3	17.00	17.00	17.00	11.10	11.10	0	3	3	1	6	6	0
<b>Total =</b>		<b>209.98</b>	<b>209.98</b>	<b>209.98</b>	<b>167.37</b>	<b>167.37</b>	<b>0</b>	<b>53</b>	<b>53</b>	<b>5</b>	<b>19</b>	<b>19</b>	<b>0</b>

River Bank Protection Works (Km)			Embankment Slope Protection Works (Km)			Gatest & Hoists ***					
Target	Achievement		Target	Achievement		Drainage Sluice (No.)			Flushing Sluice (No.)		
	Design Prepared	Design Approved		Design Prepared	Design Approved	Target	Achievement		Target	Achievement	
						Target	Design Prepared	Design Approved	Target	Design Prepared	Design Approved
0.00	0.00	0	4.78	4.78	0	1	1	0	1	0	0
1.60	1.60	0	0.00	0.00	0	1	1	0	1	0	0
0.00	0	0	0.00	0	0	1	1	0	1	0	0
0.00	0	0	0.00	0	0	1	1	0	0	0	0
0.00	0	0	0.00	0	0	1	1	0	1	0	0
0.00	0	0	0.00	0	0	1	1	0	1	0	0
0.00	0	0	0.00	0	0	1	1	0	1	0	0
<b>1.60</b>	<b>1.60</b>	<b>0.00</b>	<b>4.78</b>	<b>4.78</b>	<b>0.00</b>	<b>7.00</b>	<b>7.00</b>	<b>0.00</b>	<b>5.00</b>	<b>0.00</b>	<b>0.00</b>

#### 3.3.2 Bidding Document of Package-3

Preparation of the Bidding Documents have been completed and submitted to PMU on 17 October, 2019.

#### 3.3.3 Preparation of EIA of Package-3

EIA of 7 Polders of Package-3 have been drafted and submitted to the World Bank for their comments. At present the EIA report of Polder 14/1 has been reviewed in the light of the latest comments of World Bank and submitted to International Environmental Panel of Expert (IPOE) for review and approval.

A format has been developed in both Package-1 and Package-2 that included various recording of key information related to the engaged workers at different work sites, as desired by the World Bank Senior Environmental Specialist. The format includes information like worker's address,

supporting family members, history of different diseases he suffered/ is suffering, next of kin etc. for conduct of follow up activities as and when required.

### 3.3.4 RAP Preparation for 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 have done in all seven Polders (Polder-14/1, 15, 16, 17/1, 17/2, 23 and 34/3) under Package-3, CEIP-1. A total of 20 community consultation meetings were conducted in 15 different locations in all Polders of Package-3. Resettlement Action Plan (RAP) is already submitted by the LAP/RAP team to the concern authority for onward transmission to the competent authority.

### 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 4.50 m which was submitted to the Project Director, PMU, CEIP-1, BWDB, Dhaka. The Project Director forwarded the proposal of LAP to the XEN, CEIP-1, Khulna to submit the same to the concerned DCs. Meanwhile, BWDB had decided to change the design of embankment providing the crest width 6.00m instead of 4.50 m. For this reason, the LAP must be revised and all other assessment has also to be updated. At the present context, the design of embankment has been approved by the Design Circle-5, BWDB considering the crest width 6.00m and are being updated accordingly. The LAP/RAP team has collected records and information on previously acquired land for seven Polders (Polder-14/1, 15, 16, 17/1, 17/2, 23 and 34/3) from concerned O&M Divisions of BWDB and the concerned DC offices (Khulna, Satkhira 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 acquired 85.95 ha land for improvement of Seven Polders. The 3<sup>rd</sup> Package is likely to displace 4785 house hold (HH) and other units.

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

### 3.4.1 Introduction

The Progress report covers the events up to 31 January, 2020. The contact Package-1 was signed on 01-10-2015 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 January 2016.

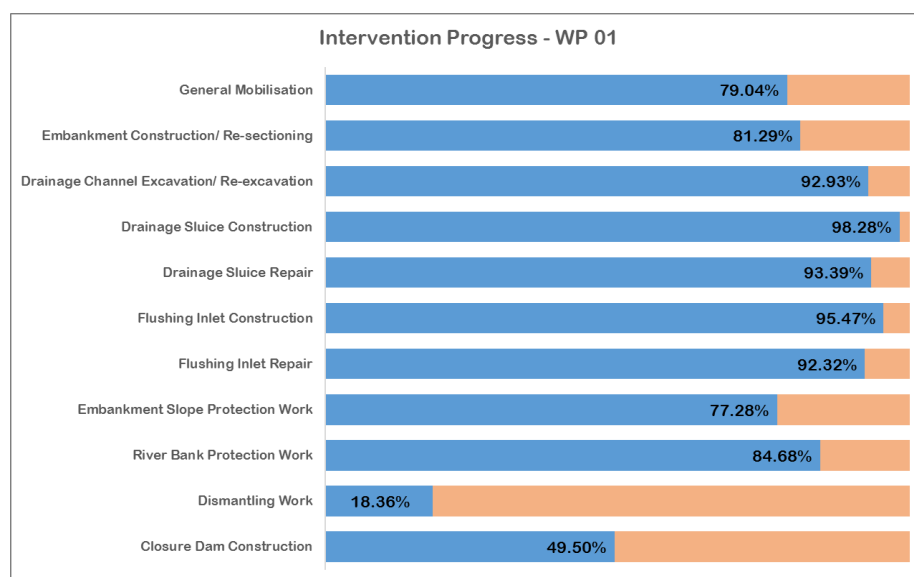


Figure 3-30: Item Wise Progress of Package-1

The contractor submitted the administrative work and has affected necessary site visit to establish the dossier for 5% advance Payment and take possession for sites. Contractor has received the full 10 % advance payment and spent to purchase machineries and equipment in China; Chinese engineers and supporting personnel have mobilized and the same is true for the recruitment of local labour; construction of facilities and buildings are mostly completed. Total expenditure incurred up to IPC-

21 is BDT 5,318.10 million including adjustment for changes in legislation (VAT & IT) and adjustment for changes in cost. Construction of 37 nos. Drainage Sluices out of 38 nos. has already been completed, 1 no. drainage sluice are going on. Out of 30 nos. Flashing Sluices 28 nos. have been completed, 1 no. is in progress and 1 no. yet to be started. Embankment works of different Polders are (completed 146.363 km and partially completed 22.587 km) also going on. Construction of C.C blocks are going on for the bank/slope protection work. The item wise physical progress of Package-1 is reflected in Figure 3-30.

### 3.4.2 Physical Progress (Mile Stone Matrix)

Table 3-36: Physical Works Status of Package-1 as on 31 January, 2020

Item	Unit	Contract Quantity	Tentative Program FY 2019-2020		Cumulative upto June 2019		Cumulative upto December 2019		Current Month		Cumulative upto January 2020		Cumulative During FY 2019-20	
			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=(12-8)	11=(13-9)	12=6+10	13	14=(12-6)	15=13
Embankment Construction/Re-sectioning	Km	200.617	54.454	0	146.163	22.387	146.363	22.487	0.100	0.100	146.463	22.587	0.30	22.587
					72.86%	72.86%	72.96%	72.86%	0.05%	0.00%	73.01%	72.86%	0.15%	0.00%
Drainage Channel Excavation/Re-excavation	Km	151.210	36.44	0	114.77	0.000	114.77	0.000	0.000	0.000	114.77	0	0.00	0.00
					75.90%	0	75.90%	0	0.00%	0.00%	75.90%	0	0.00%	0.00%
Drainage Sluice Construction	No.	38	3	0	35	3	37	1	0	1	37	1	2	1
					92.11%	93.00%	97.37%	93.00%	0.00%	3.00%	97.37%	96.00%		
Drainage Sluice Repair	No.	2	0	0	2	0	2	0	0	0	2	0	0	0
					100.00%		100.00%		0.00%		100.00%			
Flushing Inlet Construction	No.	30	2	0	28	1	28	1	0	0	28	1	0	1
					93.33%	82.15%	93.33%	82.15%	0.00%	0.00%	93.33%	82.15%		
Flushing Inlet Repair	No.	14	2	0	12	1	12	1	0	0	12	1	0	1
					85.71%	68.82%	85.71%	70.12%	0.00%	5.56%	85.71%	75.68%		
Embankment Slope Protection Work	Km	19.966	4.652	0	9.188	0.000	10.216	-	0.000	-	10.216	-	1.03	0.00
					46.02%		51.17%		0.00%		51.17%			
River Bank Protection Work	Km	4.45	0.40	0	4.050		4.150	-	0.000	-	4.150	-	0.10	0.00
					91.01%		93.26%		0.00%		93.26%			
Closure Dam Construction	No.	1	1	0		0%	100% of the foundation,	80% Closing of the Closure works	0% of the foundation,	05% Closing of the Closure works	100% of the foundation,	85% Closing of the Closure works	100% of the foundation,	85% Closing of the Closure works

Table 3-37: Polder wise Physical Works status of Package-1 as on 31 January, 2020

DS FS Construction Summary																	
Package #	Polder No	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%	3	2	1	1	0	1	0	98.50%	0
	33	12	0	12	11	1	0	99.88%	0	12	6	6	6	0	0	100.00%	0
	35/1	15	1	14	14	0	0	100.00%	0	17	4	13	12	0	1	92.31%	0
	35/3	4	0	4	4	0	0	100.00%	2	10	0	10	10	0	0	100.00%	10
	<b>Total</b>	<b>39</b>	<b>1</b>	<b>38</b>	<b>37</b>	<b>1</b>	<b>0</b>	<b>99.96%</b>	<b>5</b>	<b>41</b>	<b>11</b>	<b>30</b>	<b>28</b>	<b>1</b>	<b>1</b>	<b>96.62%</b>	<b>10</b>

DS FS Repair Summary																	
Package #	Polder No	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	5	1	0	97.50%	0
	33	0	0	0	0	0	0	NA	0	6	3	3	3	0	0	100.00%	0
	35/1	2	0	2	2	0	0	100.00%	0	3	0	3	2	0	1	66.67%	0
	35/3	0	0	0	0	0	0	NA	0	2	0	2	2	0	0	100.00%	0
	<b>Total</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>100.00%</b>	<b>0</b>	<b>30</b>	<b>16</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>91.79%</b>	<b>0</b>

		Bank Protection Work Summary			Slope Protection Work Summary			Drainage Channel Excavation Summary				CC Block Production Status		
Package No	Polder No	Target Length (Km)	Completed Length (Km)	% Completed	Target Length (Km)	Completed Length (Km)	% Completed	Number of Canals	Target Length (Km)	Completed Length (Km)	% Completed	Target Quantity	Production Quantity	% Completed
Package 1	32	2.000	2.000	100.00%	3.30	2.30	69.70%	7	17.50	13.45	76.86%	1,918,027	1,886,840	98.37%
Package 1	33	1.400	1.300	92.86%	4.02	3.72	92.53%	13	63.21	53.82	85.14%	1,619,763	1,155,600	71.34%
Package 1	35/1	0.900	0.700	77.78%	11.75	3.50	29.79%	18	70.50	47.50	67.38%	3,628,072	2,775,431	76.50%
Package 1	35/3	0.150	0.150	100.00%	0.90	0.70	77.78%	2	0.00	0.00		220,567	212,954	96.55%
<b>Package 1</b>	<b>4.450</b>	<b>4.150</b>	<b>93.26%</b>	<b>19.97</b>	<b>10.216</b>	<b>51.17%</b>	<b>40</b>	<b>151.21</b>	<b>114.77</b>	<b>75.90%</b>	<b>7,386,429</b>	<b>6,030,825</b>	<b>81.65%</b>	

Embankment Construction/ Resectioning Summary														Partly Completed		
Package No	Polder No	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	49.67	30.24	60.89%	0.00	0.00	NA	30.70	21.96	71.52%	18.96	8.28	43.67%	0.00	6.12	8.08
Package 1	33	49.15	41.59	84.61%	0.00	0.00	NA	43.87	38.86	88.58%	5.28	2.73	51.64%	0.00	0.00	1.67
Package 1	35/1	61.97	38.90	62.77%	0.00	0.00	NA	55.25	36.73	66.48%	6.72	2.17	32.31%	0.00	4.22	0.35
Package 1	35/3	39.83	35.73	89.72%	0.00	0.00	NA	26.95	25.38	94.17%	10.93	10.36	94.74%	0.00	1.57	0.58
<b>Package 1</b>	<b>200.617</b>	<b>146.463</b>	<b>73.01%</b>	<b>0.000</b>	<b>0.000</b>	<b>NA</b>	<b>156.769</b>	<b>122.927</b>	<b>78.41%</b>	<b>41.90</b>	<b>23.54</b>	<b>56.17%</b>	<b>0.000</b>	<b>11.908</b>	<b>10.679</b>	

Table 3-38: Detailed information of Construction Status of Embankment of Package-1

#	Polder	Location	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)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 January, 2020	Remarks
<b>Package 1</b>																		
<b>Polder-32</b>																		
1	32	Nalian	0.483	0.000	0.483	Resectioning	N	NA	23,228	16,500	0.000	0.483	10,272	0	71%	0%	65.35%	Work in Progress
2	32	Nalian	1.393	0.483	1.876	Retired	N	NA	63,519	45,000	0.500	0.893	29,624	0	71%	0%	65.18%	Work in Progress
3	32	Gunari	0.624	1.876	2.500	Resectioning	N	NA	29,858	19,000	0.250	0.374	13,270	0	64%	0%	58.54%	Work in Progress
4	32	Gunari	2.690	2.500	5.190	Retired	N	NA	141,764	110,000	1.400	1.290	57,207	0	78%	0%	71.39%	Work in Progress
5	32	Gunari	0.480	5.190	5.670	Resectioning	N	NA	14,075	14,000	0.480	0.000	10,208	9187	99%	90%	98.71%	Work in Progress
6	32	Gunari	0.280	5.670	5.950	Retired	N	NA	15,209	15,200	0.280	0.000	5,955	5500	100%	92%	99.33%	Work in Progress
7	32	kalibri	1.300	5.950	7.250	Resectioning	N	NA	47,121	47,120	1.300	0.000	27,647	25000	100%	90%	99%	Work in Progress
8	32	kalibri	1.800	7.250	9.050	Retired	N	NA	84,911	84,900	1.800	0.000	38,280	38000	100%	99%	100%	Work in Progress
9	32	Vita Bhanga	1.167	9.050	10.217	Resectioning	N	NA	27,523	20,000	1.000	0.167	24,818	20000	73%	81%	73%	Work in Progress
10	32	Vita Bhanga	0.333	10.217	10.550	Retired	N	NA	12,255	12,250	0.333	0.000	7,082	7000	100%	99%	100%	Work in Progress
11	32	Vita Bhanga&Joynagar	1.789	10.550	12.339	Resectioning	N	NA	37,410	20,000	1.400	0.389	38,046	30000	53%	79%	55%	Work in Progress
12	32	Joynagar	0.429	12.339	12.768	Retired	N	NA	15,449	0.000	0.000	0.000	9,123	0	0%	0%	0%	Work not started.
13	32	Joynagar	0.760	12.768	13.528	Resectioning	N	NA	15,933	5,000	0.000	0.550	16,163	0	31%	0%	29%	Work in Progress
14	32	Jaliyakhali	0.772	13.528	14.300	Retired	N	NA	32,299	8,000	0.000	0.772	16,418	0	25%	0%	23%	Work in Progress
15	32	Jaliyakhali	1.415	14.300	15.715	Resectioning	N	NA	26,458	26,458	1.400	0.000	30,092	30000	100%	100%	100%	Work completed.
16	32	Jaliyakhali	1.040	15.715	16.755	Retired	N	NA	45,253	15838	0.000	1.040	22,117	0	35%	0%	32%	Work in Progress
17	32	Kamarkhola	1.603	16.755	18.358	Resectioning	N	NA	37,848	12,000	0.600	0.350	34,090	0	32%	0%	29%	Work in Progress
18	32	Kamarkhola	0.957	18.358	19.315	Retired	N	NA	37,999	28,000	0.500	0.457	20,352	15000	74%	74%	74%	Work in Progress
19	32	Kamarkhola	0.959	19.315	20.274	Resectioning	N	NA	16,267	16,250	0.959	0.000	20,395	20000	100%	98%	100%	Work in Progress
20	32	Kamarkhola	1.083	20.274	21.357	Retired	N	NA	40,650	35,000	0.900	0.183	23,032	0	86%	0%	79%	Work in Progress
21	32	Kamarkhola & Kalinagar	3.814	21.357	25.171	Resectioning	N	NA	49,814	45,000	3.770	0.044	81,111	70000	90%	86%	90%	Work in Progress
22	32	Kalinagar	0.801	25.171	25.972	Retired	N	NA	26,259	26,250	0.801	0.000	17,035	15000	100%	88%	99%	Work in Progress
23	32	Kalinagar & Sutarkhali	4.556	25.972	30.528	Resectioning	N	NA	68,868	54,000	4.300	0.256	96,891	80000	78%	83%	79%	Work in Progress
24	32	Sutarkhali	0.144	30.528	30.672	Retired	N	NA	5,221	2,500	0.000	0.144	3,062	0	48%	0%	44%	Soil Pretaretion in Progress
25	32	Sutarkhali	0.577	30.672	31.249	Resectioning	N	NA	9,238	6,000	0.000	0.577	12,271	0	65%	0%	60%	Soil Pretaretion in Progress
26	32	Sutarkhali	0.621	31.249	31.870	Retired	N	NA	32,273	6500	0.000	0.300	13,207	0	20%	0%	19%	Work not yet started due to negligence by contractor.
27	32	Sutarkhali	0.312	31.870	32.182	Resectioning	N	NA	11,679	1000	0.000	0.000	6,635	0	9%	0%	8%	Work not yet started due to negligence by contractor.
28	32	Sutarkhali	0.251	32.182	32.433	Retired	N	NA	9,696	0.000	0.000	0.000	5,338	0	0%	0%	0%	Work not yet started due to negligence by contractor.
29	32	Sutarkhali	3.294	32.433	35.727	Resectioning	N	NA	65,968	52,000	3.000	0.294	70,052	60000	79%	86%	79%	Work in Progress
30	32	Sutarkhali	0.838	35.727	36.565	Retired	N	NA	38,549	32,000	0.800	0.038	17,821	15000	83%	84%	83%	Work in Progress
31	32	Sutarkhali	2.395	36.565	38.960	Resectioning	N	NA	56,875	45,056	0.800	0.800	50,934	0	79%	0%	73%	Work in Progress
32	32	kalabogi	2.950	38.960	41.910	Retired	N	NA	134,676	55,000	0.000	1.850	62,737	0	41%	0%	38%	Work in Progress
33	32	kalabogi	1.136	41.910	43.046	Resectioning	N	NA	42,409	22,000	0.000	0.500	24,159	0	52%	0%	48%	Work in Progress
34	32	kalabogi	0.346	43.046	43.392	Retired	N	NA	15,286	2,000	0.000	0.346	7,358	0	13%	0%	12%	Work in Progress
35	32	kalabogi	1.077	43.392	44.469	Resectioning	N	NA	52,885	40,000	0.600	0.477	22,904	0	76%	0%	70%	Soil Pretaretion in Progress
36	32	kalabogi	0.797	44.469	45.266	Retired	N	NA	47,680	6,000	0.000	0.300	16,950	0	13%	0%	12%	Work in Progress
37	32	kalabogi	1.283	45.266	46.549	Resectioning	N	NA	33,848	27,000	0.800	0.483	27,285	0	80%	0%	73%	Work in Progress
38	32	Nalian	0.216	46.549	46.765	Retired	N	NA	11,062	11,050	0.216	0.000	4,594	4000	100%	87%	99%	Work in Progress
39	32	Nalian	0.318	46.765	47.083	Resectioning	N	NA	9,915	7,500	0.300	0.018	6,763	0	76%	0%	70%	Work in Progress
40	32	Nalian	0.251	47.083	47.334	Retired	N	NA	15,967	15,900	0.251	0.000	5,338	5000	100%	94%	99%	Work in Progress
41	32	Nalian	1.361	47.334	48.695	Resectioning	N	NA	49,268	39,000	1.000	0.361	28,944	0	79%	0%	73%	Work in Progress
42	32	Nalian	0.971	48.695	49.666	Retired	N	NA	65,931	51,000	0.500	0.471	20,650	0	77%	0%	71%	Work in Progress
<b>Total Polder-32 =</b>			<b>49.666</b>						<b>1,618,396</b>	<b>1,097,272</b>	<b>30.240</b>	<b>14.207</b>	<b>1,056,230</b>	<b>448,687</b>	<b>68%</b>	<b>42%</b>	<b>63%</b>	

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

#	Polder	Location	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)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 31 December, 2019	Remarks
<b>Polder-33</b>																		
1	33	Banishanta	0.474	0.000	0.474	Retired	Yes	NA	24,964	5,000	0.000	0.474	9,084	0	20%	0%	18%	Work in progress
2	33	Banishanta	0.584	0.474	1.058	Resectioning	N	NA	11,192	11,192	0.584	0.000	11,192	0	100%	0%	92%	Work in progress
3	33	Purbo dangmari	0.492	1.058	1.550	Retired	N	NA	9,429	6000	0.000	0.492	9,429	0	64%	0%	59%	Work in Progress
4	33	Dangmari	1.290	1.550	2.840	Resectioning	N	NA	24,723	24,723	1.290	0.000	24,723	24723	100%	100%	100%	Work in progress
5	33	Dangmari	0.461	2.840	3.301	Retired	N	NA	8,835	8,835	0.461	0.000	8,835	8835	100%	100%	100%	Work in progress
6	33	Dangmari to khajura	5.305	3.301	8.606	Resectioning	N	NA	101,669	101,669	5.305	0.000	101,669	101669	100%	100%	100%	Work in progress
7	33	khajura	0.101	8.606	8.707	Retired	N	NA	1,936	1,936	0.101	0.000	1,936	1936	100%	100%	100%	Work in progress
8	33	Khajura	0.283	8.707	8.990	Resectioning	N	NA	5,424	5,424	0.283	0.000	5,424	5424	100%	100%	100%	Work in progress
9	33	Burir Dabor	0.175	8.990	9.165	Retired	N	NA	3,354	3354	0.175	0.000	3,354	3354	100%	100%	100%	Work in progress
10	33	Burir Dabor	1.865	9.165	11.030	Resectioning	N	NA	35,742	35,742	1.865	0.000	35,742	35742	100%	100%	100%	Work in progress
11	33	Burir Dabor	0.500	11.030	11.530	Resectioning	N	NA	9,582	0.000	0.000	0.000	9,582	0	0%	0%	0%	Work drop due to pavement Road.
12	33	Burir Dabor to Bon lawdob	2.560	11.530	14.090	Resectioning	N	NA	49,062	49,062	2.560	0.000	49,062	50	100%	0%	92%	Work in progress
13	33	Bon lawdob to Gazifish	0.739	14.090	14.829	Retired	N	NA	14,163	14,163	0.739	0.000	14,163	14163	100%	100%	100%	Work in progress
14	33	Gazijifish to Ramnagar	2.293	14.829	17.122	Resectioning	N	NA	43,945	43,945	2.293	0.000	43,945	43945	100%	100%	100%	Work in progress
15	33	Ramnagar	0.528	17.122	17.650	Retired	N	NA	10,119	10,119	0.528	0.000	10,119	10119	100%	100%	100%	Work in progress
16	33	Ramnagar	1.650	17.650	19.300	Resectioning	N	NA	31,622	31,622	1.650	0.000	31,622	31622	100%	100%	100%	Work in progress
17	33	Thakurbari to kheyaghat	2.600	19.300	21.900	Resectioning	N	NA	49,829	-	0.000	0.000	49,829	0	0%	0%	0%	Work drop due to pavement Road.
	33	Dacope to Tangrarchar	4.400	21.900	26.300	Resectioning	N	NA	84,325	84,325	4.400	0.000	84,325	84325	100%	100%	100%	Work in progress
c	33	Shaheberabad(Dacope)	0.730	26.300	27.030	Retired	N	NA	32,663	3,200	0.000	0.200	13,990	0	10%	0%	9%	Work yet to be started.
	33	Shaheberabad to Poddargonj	1.287	27.030	28.317	Resectioning	N	NA	24,665	24,665	1.287	0.000	24,665	24665	100%	100%	100%	Work in progress
	33	Poddargonj	0.224	28.317	28.541	Retired	N	NA	4,293	4,293	0.224	0.000	4,293	4293	100%	100%	100%	Work in progress
	33	Chunkuri	2.304	28.541	30.845	Resectioning	N	NA	44,156	44,156	2.304	0.000	44,156	44156	100%	100%	100%	Work in progress
	33	Chunkuri	0.455	30.845	31.300	Resectioning	N	NA	8,720	0.00	0.000	0.000	8,720	0	0%	0%	0%	Energy Pack LPG Gass
	33	Chunkuri	1.052	31.300	32.352	Resectioning	N	NA	20,161	20,161	1.052	0.000	20,161	20161	100%	100%	100%	Work in progress
	33	Chunkuri	7.440	32.352	39.792	Resectioning	N	NA	142,586	142,586	7.440	0.000	142,586	142586	100%	100%	100%	Work in progress
	33	Chunkuri to Kutakhali	1.908	39.792	41.700	Resectioning	N	NA	36,566	-	0.000	0.000	36,566	0	0%	0%	0%	Work drop due to pavement Road.
	33	Kutakhali to Banishanta	6.550	41.700	48.250	Resectioning	N	NA	125,529	125,529	6.550	0.000	125,529	125529	100%	100%	100%	Work in progress
	33	Banishanta to Banishanta Bazar.	0.904	48.250	49.154	Retired	N	NA	45,000	31,000	0.500	0.404	17,325	10000	69%	58%	68%	Work in progress
<b>Total Polder-33 =</b>			<b>49.154</b>						<b>1,004,255</b>	<b>832,701</b>	<b>41.591</b>	<b>1.570</b>	<b>942,027</b>	<b>737,297</b>	<b>83%</b>	<b>78%</b>	<b>76%</b>	Deduction of 5.535 km from total length for pavement road & Energy pack, total length stands 43.614 km. As such progress become 94.2 %.

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

#	Polder	Location	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)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 January, 2020	Remarks
<b>Polder-33</b>																		
1	33	Banishanta	0.474	0.000	0.474	Retired	Yes	NA	24,964	8,000	0.000	0.474	9,084	0	32%	0%	29%	Work in progress
2	33	Banishanta	0.584	0.474	1.058	Resectioning	N	NA	11,192	11,192	0.584	0.000	11,192	0	100%	0%	92%	Work in progress
3	33	Purbo dangmari	0.492	1.058	1.550	Retired	N	NA	9,429	6000	0.000	0.492	9,429	0	64%	0%	59%	Work in Progress
4	33	Dangmari	1.290	1.550	2.840	Resectioning	N	NA	24,723	24,723	1.290	0.000	24,723	24723	100%	100%	100%	Work in progress
5	33	Dangmari	0.461	2.840	3.301	Retired	N	NA	8,835	8,835	0.461	0.000	8,835	8835	100%	100%	100%	Work in progress
6	33	Dangmari to khajura	5.305	3.301	8.606	Resectioning	N	NA	101,669	101,669	5.305	0.000	101,669	101669	100%	100%	100%	Work in progress
7	33	khajura	0.101	8.606	8.707	Retired	N	NA	1,936	1,936	0.101	0.000	1,936	1936	100%	100%	100%	Work in progress
8	33	Khajura	0.283	8.707	8.990	Resectioning	N	NA	5,424	5,424	0.283	0.000	5,424	5424	100%	100%	100%	Work in progress
9	33	Burir Dabor	0.175	8.990	9.165	Retired	N	NA	3,354	3354	0.175	0.000	3,354	3354	100%	100%	100%	Work in progress
10	33	Burir Dabor	1.865	9.165	11.030	Resectioning	N	NA	35,742	35,742	1.865	0.000	35,742	35742	100%	100%	100%	Work in progress
11	33	Burir Dabor	0.500	11.030	11.530	Resectioning	N	NA	9,582	0.000	0.000	0.000	9,582	0	0%	0%	0%	Work drop due to pavement Road.
12	33	Burir Dabor to Bon lawdob	2.560	11.530	14.090	Resectioning	N	NA	49,062	49,062	2.560	0.000	49,062	50	100%	0%	92%	Work in progress
13	33	Bon lawdob to Gazifish	0.739	14.090	14.829	Retired	N	NA	14,163	14,163	0.739	0.000	14,163	14163	100%	100%	100%	Work in progress
14	33	Gazirijfish to Ramnagar	2.293	14.829	17.122	Resectioning	N	NA	43,945	43,945	2.293	0.000	43,945	43945	100%	100%	100%	Work in progress
15	33	Ramnagar	0.528	17.122	17.650	Retired	N	NA	10,119	10,119	0.528	0.000	10,119	10119	100%	100%	100%	Work in progress
16	33	Ramnagar	1.650	17.650	19.300	Resectioning	N	NA	31,622	31,622	1.650	0.000	31,622	31622	100%	100%	100%	Work in progress
17	33	Thakurbari to kheyaghat	2.600	19.300	21.900	Resectioning	N	NA	49,829	-	0.000	0.000	49,829	0	0%	0%	0%	Work drop due to pavement Road.
	33	Dacope to Tangrarchar	4.400	21.900	26.300	Resectioning	N	NA	84,325	84,325	4.400	0.000	84,325	84325	100%	100%	100%	Work in progress
c	33	Shaheberabad(Dacope)	0.730	26.300	27.030	Retired	N	NA	32,663	9,500	0.000	0.300	13,990	0	29%	0%	27%	Work yet to be started.
	33	Shaheberabad to Poddargonj	1.287	27.030	28.317	Resectioning	N	NA	24,665	24,665	1.287	0.000	24,665	24665	100%	100%	100%	Work in progress
	33	Poddargonj	0.224	28.317	28.541	Retired	N	NA	4,293	4,293	0.224	0.000	4,293	4293	100%	100%	100%	Work in progress
	33	Chunkuri	2.304	28.541	30.845	Resectioning	N	NA	44,156	44,156	2.304	0.000	44,156	44156	100%	100%	100%	Work in progress
	33	Chunkuri	0.455	30.845	31.300	Resectioning	N	NA	8,720	0.00	0.000	0.000	8,720	0	0%	0%	0%	Energy Pack LPG Gass
	33	Chunkuri	1.052	31.300	32.352	Resectioning	N	NA	20,161	20,161	1.052	0.000	20,161	20161	100%	100%	100%	Work in progress
	33	Chunkuri	7.440	32.352	39.792	Resectioning	N	NA	142,586	142,586	7.440	0.000	142,586	142586	100%	100%	100%	Work in progress
	33	Chunkuri to Kutakhali	1.908	39.792	41.700	Resectioning	N	NA	36,566	-	0.000	0.000	36,566	0	0%	0%	0%	Work drop due to pavement Road.
	33	Kutakhali to Banishanta	6.550	41.700	48.250	Resectioning	N	NA	125,529	125,529	6.550	0.000	125,529	125529	100%	100%	100%	Work in progress
	33	Banishanta to Banishanta Bazar.	0.904	48.250	49.154	Retired	N	NA	45,000	31,000	0.500	0.404	17,325	10000	69%	58%	68%	Work in progress
<b>Total Polder-33 =</b>			<b>49.154</b>						<b>1,004,255</b>	<b>842,001</b>	<b>41.591</b>	<b>1.670</b>	<b>942,027</b>	<b>737,297</b>	<b>84%</b>	<b>78%</b>	<b>77%</b>	Deduction of 5.535 km from total length for pavement road & Energy pack, total length stands 43.614 km. As such progress become 94.2%.



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

#	Polder	Location	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)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 January, 2020	Remarks
<b>Polder-35/1</b>																		
1	35/1	Fashiatola	0.750	0.000	0.750	Resectioning	N	NA	28,944	28,930	0.750	0.000	20250	15000	100%	74%	98%	Work in progress
2	35/1	Fashiatola	1.300	0.750	2.050	Resectioning	N	NA	51,044	50,500	1.300	0.000	35100	10000	99%	28%	93%	Work in progress
3	35/1	Fashiatola	0.600	2.050	2.650	Retired	N	NA	23,559	23,559	0.600	0.000	10600	0	100%	0%	92%	Work in progress
4	35/1	East Amtoli	1.250	2.650	3.900	Retired	N	NA	49,081	35,000	1.000	0.250	21750	0	71%	0%	66%	Work in progress
5	35/1	East Amtoli	0.300	3.900	4.200	Resectioning	N	NA	11,779	7100	0.000	0.300	3300	0	60%	0%	55%	Work not yet started.
6	35/1	Kumarkhali	0.700	4.200	4.900	Resectioning	N	NA	27,485	26,100	0.500	0.200	7700	0	95%	0%	87%	Work in progress
7	35/1	Kumarkhali	0.250	4.900	5.150	Resectioning	N	NA	9,816	5000	0.000	0.100	2750	0	51%	0%	47%	Work will be started soon
8	35/1	Kumarkhali	1.100	5.150	6.250	Resectioning	N	NA	43,191	39,000	0.800	0.300	27300	0	90%	0%	83%	Work in progress
9	35/1	Kumarkhali	0.750	6.250	7.000	Resectioning	N	NA	29,449	29449	0.750	0.000	17850	0	100%	0%	92%	Work in progress
10	35/1	Khontakata	3.000	7.000	10.000	Resectioning	N	NA	117,795	117,500	3.000	0.000	69000	0	100%	0%	92%	Work in progress
11	35/1	Boraitola	2.300	10.000	12.300	Resectioning	N	NA	81,148	0.000	0.000	0.000	50600	0	0%	0%	0%	Work will be started soon
12	35/1	Boraitola	1.700	12.300	14.000	Retired	N	NA	67,073	6500	0.000	0.000	44900	0	10%	0%	9%	Work will be started soon
13	35/1	Boraitola	1.005	14.000	15.005	Resectioning	N	NA	39,652	0.000	0.000	0.000	23115	0	0%	0%	0%	Work will be started soon
14	35/1	Boraitola	0.925	15.005	15.930	Resectioning	N	NA	36,320	30,500	0.500	0.425	21275	1116	84%	5%	78%	Work in progress
15	35/1	Rajoir	2.990	15.930	18.920	Resectioning	N	NA	188,824	170,500	2.000	0.690	88030	17940	90%	20%	85%	Work in progress
16	35/1	Chal Rayenda	1.060	18.920	19.980	Resectioning	N	NA	41,621	41,621	1.060	0.000	32860	15900	100%	48%	96%	Work in progress
17	35/1	Chal Rayenda	0.020	19.980	20.000	Resectioning	N	NA	785	785	0.020	0.000	620	0	100%	0%	92%	Work in progress
18	35/1	Tafalbari	0.500	20.000	20.500	Retired	N	NA	19,632	18,669	0.400	0.100	20500	0	95%	0%	87%	Work in progress
19	35/1	Tafalbari	0.500	20.500	21.000	Resectioning	N	NA	19,632	19,632	0.500	0.000	14500	0	100%	0%	92%	Work in progress
20	35/1	Gabtoia	2.500	21.000	23.500	Resectioning	Yes	NA	98,162	90,000	2.300	0.200	72500	0	92%	0%	84%	Work in progress
21	35/1	Gabtoia	2.500	23.500	26.000	Retired	Yes	NA	98,162	0.000	0.000	0.000	84500	0	0%	0%	0%	Work not yet started.
22	35/1	Terabeka	2.000	26.000	28.000	Resectioning	Yes	NA	78,530	55,265	0.000	2.000	44000	0	70%	0%	65%	Work in progress
23	35/1	Sharankhola	1.150	28.000	29.150	Resectioning	N	NA	45,155	45,155	1.150	0.000	25300	18000	100%	71%	98%	Work in progress
24	35/1	Sharankhola	1.450	29.150	30.600	Resectioning	N	NA	56,934	56,934	1.450	0.000	31900	20000	100%	63%	97%	Work in progress
25	35/1	Sharankhola	2.100	30.600	32.700	Resectioning	N	NA	29,900	29,900	2.100	0.000	46200	30000	100%	65%	97%	Work in progress
26	35/1	Sonatala	2.300	32.700	35.000	Resectioning	N	NA	90,309	90,309	2.300	0.000	50600	35000	100%	69%	98%	Work in progress
27	35/1	Sonatala	1.500	35.000	36.500	Resectioning	N	NA	25,500	25500	1.500	0.000	33000	20000	100%	61%	97%	Work in progress
28	35/1	Sonatala	2.000	36.500	38.500	Resectioning	N	NA	41,742	41742	2.000	0.000	44000	30000	100%	68%	97%	Work in progress
29	35/1	Rasulpur	0.850	38.500	39.350	Resectioning	N	NA	33,536	33536	0.850	0.000	17850	8000	100%	45%	96%	Work in progress
30	35/1	Rasulpur	3.110	39.350	42.460	Resectioning	N	NA	79,630	79,630	3.110	0.000	68420	27368	100%	40%	95%	Work in progress
31	35/1	Rajaour	1.450	42.460	43.910	Resectioning	N	NA	56,934	56,900	1.450	0.000	31900	12760	100%	40%	95%	Work in progress
32	35/1	Rajaour	0.140	43.910	44.050	Resectioning	N	NA	5,497	5,497	0.140	0.000	3080	2000	100%	65%	97%	Work in progress
33	35/1	Rajaour	6.050	44.050	50.100	Resectioning	N	NA	220,870	220,500	6.050	0.000	133100	70000	100%	53%	96%	Work in progress
34	35/1	Dhansagor	1.150	50.100	51.250	Resectioning	N	NA	45,155	45,155	1.150	0.000	25300	10120	100%	40%	95%	Work in progress
35	35/1	Dhansagor	9.650	51.250	60.900	Resectioning	N	NA	380739	0.000	0.000	0.000	202650	0	0%	0%	0%	Pavement Road. Work started next year
36	35/1	Sannashi	0.900	60.900	61.800	Resectioning	N	NA	35,509	0.000	0.000	0.000	19800	0	0%	0%	0%	Work not yet started. Next year program
37	35/1	Sannashi	0.172	61.800	61.972	Retired	N	NA	8,476	8,476	0.172	0.000	4128	0	100%	0%	92%	Work in progress
<b>Total Polder-35/1 =</b>			<b>61.972</b>						<b>2,317,570</b>	<b>1,534,844</b>	<b>38.902</b>	<b>4.565</b>	<b>1,450,228</b>	<b>343,204</b>	<b>66%</b>	<b>24%</b>	<b>74%</b>	

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

#	Polder	Location	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)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 January, 2020	Remarks
<b>Polder-35/3</b>																		
1	35/3	Molliker ber	0.140	0.000	0.140	Resectioning	N	NA	4,724	4,000	0.140	0.000	3046	3046	85%	100%	86%	Work in Progress
2	35/3	Molliker ber	0.340	0.140	0.480	Retired	N	NA	15,311	14,500	0.340	0.000	7398	7000	95%	95%	95%	Work in Progress
3	35/3	Molliker ber	0.285	0.480	0.765	Resectioning	N	NA	7,534	7,534	0.285	0.000	6202	6200	100%	100%	100%	Work in Progress
4	35/3	Molliker ber	0.375	0.765	1.140	Retired	N	NA	16,049	16,049	0.375	0.000	8160	8160	100%	100%	100%	Work in Progress
5	35/3	Molliker ber	1.405	1.140	2.545	Resectioning	N	NA	53,284	51,600	1.405	0.000	30573	20000	97%	65%	94%	Work in Progress
6	35/3	Molliker ber	1.095	2.545	3.640	Retired	N	NA	51,415	50,200	1.095	0.000	23827	22000	98%	92%	97%	Work in Progress
7	35/3	Molliker ber	1.330	3.640	4.970	Resectioning	N	NA	39,093	38,300	1.330	0.000	28941	27000	98%	93%	98%	Work in Progress
8	35/3	Molliker ber	0.100	4.970	5.070	Retired	N	NA	4,433	4,400	0.100	0.000	2176	2000	99%	92%	99%	Work in Progress
9	35/3	Bashbaria	1.715	5.070	6.785	Resectioning	N	NA	49,997	49,000	1.715	0.000	37318	36000	98%	96%	98%	Work in Progress
10	35/3	Bashbaria	2.515	6.785	9.300	Retired	N	NA	122,038	120,000	2.400	0.115	54726	48000	98%	88%	97%	Work in Progress
11	35/3	Panchamala	0.320	9.300	9.620	Resectioning	N	NA	7,225	7,225	0.320	0.000	6963	6900	100%	99%	100%	Work in Progress
12	35/3	Panchamala	0.980	9.620	10.600	Retired	N	NA	49,393	47,900	0.900	0.080	21325	20000	97%	94%	97%	Work in Progress
13	35/3	Panchamala	1.900	10.600	12.500	Resectioning	N	NA	59,564	59,000	1.900	0.000	41344	40000	99%	97%	99%	Work in Progress
14	35/3	Radhaballov	1.365	12.500	13.865	Retired	N	NA	72,119	69,000	1.200	0.165	29702	25000	96%	84%	95%	Work in Progress
15	35/3	Radhaballov	0.105	13.865	13.970	Resectioning	N	NA	2,982	2,600	0.105	0.000	2285	2000	87%	88%	87%	Work in Progress
16	35/3	Radhaballov	0.165	13.970	14.135	Retired	N	NA	5,945	2,500	0.000	0.165	3590	1800	42%	50%	43%	Work in Progress
17	35/3	Radhaballov	1.165	14.135	15.300	Resectioning	N	NA	45,703	15,000	0.365	0.800	25350	1000	33%	4%	31%	Work in progress
18	35/3	Karapara	0.270	15.300	15.570	Retired	N	NA	17,381	10,000	0.220	0.050	5875	2550	58%	43%	56%	Obstruction by the local commissioner.
19	35/3	Karapara	3.770	15.570	19.340	Resectioning	N	NA	136,405	110,000	3.000	0.770	82035	5000	81%	6%	75%	Work in Progress
20	35/3	Dema	0.440	19.340	19.780	Retired	N	NA	10,560	9,800	0.440	0.000	9574	8050	93%	84%	92%	Work in Progress
21	35/3	Dema	9.320	19.780	29.100	Resectioning	N	NA	306,596	306,596	9.320	0.000	202803	195000	100%	96%	100%	Work in Progress
22	35/3	Khegraghat	1.160	29.100	30.260	Retired	N	NA	53,605	51,000	1.160	0.000	25242	21000	95%	83%	94%	Work in Progress
23	35/3	Dema	3.950	30.260	34.210	Resectioning	N	NA	110,694	109,600	3.950	0.000	85952	80000	99%	93%	99%	Work in Progress
24	35/3	Molliker ber	1.950	34.210	36.160	Resectioning	N	NA	0.000	0.000	0.000	0.000	0	0	0%	0%	0%	Work not Required.
25	35/3	Molliker ber	1.220	36.160	37.380	Retired	N	NA	55,196	54,200	1.220	0.000	26547	24000	98%	90%	98%	Work in Progress
26	35/3	Molliker ber	0.020	37.380	37.400	Resectioning	N	NA	845	845	0.020	0.000	435	400	100%	92%	99%	Work in Progress
27	35/3	Molliker ber	0.430	37.400	37.830	Retired	N	NA	20,042	20,042	0.430	0.000	9357	9000	100%	96%	100%	Work in Progress
28	35/3	Molliker ber	0.735	37.830	38.565	Resectioning	N	NA	31,884	31,500	0.735	0.000	15994	15000	99%	94%	98%	Work in Progress
29	35/3	Molliker ber	0.475	38.565	39.040	Retired	N	NA	22,108	21,500	0.475	0.000	10336	9000	97%	87%	96%	Work not yet started due to negligence by contractor.
30	35/3	Molliker ber	0.785	39.040	39.825	Resectioning	N	NA	21,453	20,000	0.785	0.000	17082	15500	93%	91%	93%	Work in progress
<b>Total Polder-35/3 =</b>			<b>39.825</b>						<b>1,393,578</b>	<b>1,303,891</b>	<b>35.730</b>	<b>2.145</b>	<b>824,160</b>	<b>660,606</b>	<b>94%</b>	<b>80%</b>	<b>87%</b>	
<b>Grand Total of Package-1</b>			<b>200.617</b>						<b>6333798.58</b>	<b>4778008.00</b>	<b>146.463</b>	<b>22.587</b>	<b>4272645.27</b>	<b>2189793.62</b>				

**Table 3-39: Detailed information of Construction Status of Drainage Channel of Package-1**

#	Polder	Name of Khal	Length (Km)	Completed Length (km)	Required Quantity (Cum)	Achieved Quantity (Cum)	Status as of 30 January, 2020	Remarks
Package 1								
1	32	Charar (DS-1)	1.500	1.300	26,784	23,213	87%	Work in Progress
2	32	Hatkhola (DS-2)	3.500	3.500	50,830	50,830	100%	Work completed.
3	32	Para (DS-3)	4.500	3.900	34,772	31,295	87%	Work completed.
4	32	Kayratoli (DS-7)	3.000	3.000	25,979	25,979	100%	Work completed.
5	32	Clozarer (DS-8)	3.000	0.000	8,019	0	0%	Work will be started soon.
6	32	Jaliakhali (DS-16)	2.000	1.750	22,949	20,654	88%	Work in Progress
7	33	Bojan, DS 1	2.000	2.000	55,535	55,535	100%	Work completed.
8	33	Khajura, DS 2	5.500	5.500	13,220	13,220	100%	Work completed.
9	33	Borobage (DS-3)	7.500	7.500	82,692	82,692	100%	Work completed.
10	33	Bolder, DS 4	1.000	1.000	18,618	18,618	100%	Work completed.
11	33	Chara, DS 5	10.000	10.000	60,075	60,075	100%	Work completed.
12	33	Dhopadi, DS 6	4.000	4.000	61,069	61,069	100%	Work completed.
13	33	Dacope, DS 7	4.000	4.000	115,278	115,278	100%	Work completed.
14	33	Bajua, DS 9	8.890	8.000	192,809	179,312	90%	Work in Progress
15	33	Pachin Baju, DS 10	8.500	0.000	4,825	0	0%	Will be started soon.
16	33	Khuntakhali, DS 11	4.500	4.500	19,416	19,416	100%	Work completed.
17	33	Borobaker, DS 12	6.000	6.000	20,444	20,444	100%	Work completed.
18	33	Kata, FS 9	1.320	1.320	28,247	28,247	100%	Work completed.
19	35/1	Terabeka,DS-08(Khal-01)	2.500	2.500	18,304	18,304	100%	Photo & video before and after excavation yet to be received.
20	35/1	Rayenda,DS-04(Khal-20)	9.500	9.000	81,985	80,345	95%	Photo & video before and after excavation yet to be received,spoil
21	35/1	Satgharer,DS-18(Khal-02)	1.000	0.000		0	0%	Shop drawing yet to be received.
22	35/1	Gabtota,DS-07(Khal-04)	2.000	1.900	10,575	10,258	95%	Photo & video before and after excavation yet to be received.
23	35/1	Tafalbari(Khal-06),DS-06	6.000	5.700	45,093	43,740	95%	Photo & video before and after excavation yet to be received.
24	35/1	Sonatola(Khal-11),DS-10	2.500	2.400	14,468	13,889	96%	Photo & video before and after excavation yet to be received.
25	35/1	Jheelbonia(Khal-19),DS-05	6.000	5.100	38,856	33,028	85%	Photo & video before and after excavation yet to be received.
26	35/1	Thanar(Khal-42),DS-11	3.500	3.300	70,562	66,530	94%	Photo & video before and after excavation yet to be received,spoil
27	35/1	Khunta kata(Khal-61),DS-03	3.500	0.000		0	0%	Shop drawing yet to be received.
28	35/1	Kumarkhali(Khal-64),DS-02	12.500	0.000		0	0%	Shop drawing yet to be received.
29	35/1	Sannashir(Khal-73),DS-01	1.500	1.400	11,825	11,037	93%	Photo & video before and after excavation yet to be received.
30	35/1	Andaria(Khal-75),DS-15	2.000	0.000	32,662	0	0%	Work yet to be started.
31	35/1	Kabirajer(Khal-79),DS-13	3.500	3.300	38,743	37,581	94%	Photo & video before and after excavation yet to be received,spoil
32	35/1	Rajapur(Khal-81),DS-12	3.500	3.300	77,690	75,359	94%	Photo & video before and after excavation yet to be received,spoil
33	35/1	Khajurbaria(Khal-90),DS-17	5.500	5.300		0	96%	Photo & video before and after excavation yet to be received,spoil
34	35/1	Rathiar(Khal-84),DS-16	4.500	4.300	69,186	67,110	96%	Photo & video before and after excavation yet to be received,spoil
35	35/1	Fajajipara(Khal-76),DS-14	1.000	0.000	7,695	0	0%	Work yet to be started.
36	35/3	Care Khal		0.000	0	0		Not required hence it is drop.
<b>Total</b>			<b>151.21</b>	<b>114.770</b>	<b>1,359,203</b>	<b>1,263,057</b>	<b>76.70%</b>	

Table 3-40: Detailed information of Construction Status of Drainage Sluices of Package-1

#	Type of HS	Sluice Name	Polder	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress up to 30 January, 2020	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Drainage Sluice</b>												
1	DS	DS-1	32	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
2	DS	DS-2	32	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
3	DS	DS-7	32	100%	100%	100%	100%	100%	N	NA		Gate Installed.
4	DS	DS-8	32	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
5	DS	DS-9	32	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
6	DS	DS-10	32	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
7	DS	DS-11	32	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
8	DS	DS-16	32	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
9	DS	DS-1	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
10	DS	DS-2	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
11	DS	DS-3	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
12	DS	DS-4	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
13	DS	DS-6	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
14	DS	DS-7	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
15	DS	DS-8	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
16	DS	DS-9	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
17	DS	DS-10	33	100%	100%	100%	90%	99%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
18	DS	DS-11	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
19	DS	DS-12	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
20	DS	DS-13	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
21	DS	DS-1	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
22	DS	DS-2	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
23	DS	DS-4	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
24	DS	DS-5	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
25	DS	DS-6	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
26	DS	DS-7	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
27	DS	DS-8	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
28	DS	DS-11	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
29	DS	DS-12	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
30	DS	DS-13	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
31	DS	DS-14	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
32	DS	DS-15	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
33	DS	DS-16	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
34	DS	DS-17	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
35	DS	DS-18	35/1	100%	100%	100%	100%	100%	N	NA	Dropped	DS-18, Suspended due to vulnerable situation of Baleshor River from November, 2016
36	DS	DS-1	35/3	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
37	DS	DS-2	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
38	DS	DS-3	35/3	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
39	DS	DS-4	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.

Table 3-41: Detailed Information of Construction Status of Flushing Sluices of Package-1

#	Type of HS	Sluice Name	Polder	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress up to 30 January, 2020	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Flushing Sluice</b>												
1		FS-3	32					100%	Y		Dropped	Dropped as local chairman does not allow to construct the FS-3 .
2	FS	D-10	32	100%	100%	100%	90%	99%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
3		FS-1	33					100%	N	NA	Dropped	Dropped due to Court Case
4		FS-3	33					100%	Y		Dropped	Dropped as adjacent DS-3 will serve the purpose
5	FS	FS-5	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
6	FS	FS-6	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
7	FS	FS-8	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
8	FS	FS-9	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
9		FS-10	33					100%	Y		Dropped	Dropped due to Land Problem.
10	FS	FS-11	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
11		FS-14	33					100%	Y		Dropped	Dropped due to Land Problem for excavation of diversion channel
12		FS-15	33					100%	N	NA	Dropped	Structure is good condition, converted to repair. Design data submitted for repair work.
13	FS	FS-17	33	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
14		FS-19	33					100%	Y		Dropped	Dropped due to Land Problem .
15	FS	FS-1	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
16	FS	FS-2	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
17	FS	FS-4	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
18	FS	FS-5	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
19		FS-6	35/1					100%	Y		Dropped	Dropped due to Land Problem for excavation of diversion channel
20	FS	FS-7	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
21	FS	FS-12	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
22	FS	FS-13	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
23		FS-14	35/1					100%	Y		Dropped	Dropped due to Land Problem for excavation of diversion channel
24		FS-15	35/1					100%	Y		Dropped	Dropped due to Land Problem for excavation of diversion channel
25	FS	FS-16	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
26	FS	FS-17	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
27	FS	FS-18	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
28	FS	FS-19	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
29	FS	FS-21	35/1					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 competent 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. Gate and hoisting system not yet installed as per revised design drawing..
30	FS	FS-22	35/1	100%	100%	100%	100%	100%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
31		FS-23	35/1					100%	Y		Dropped	Dropped due to Land Problem for excavation of diversion channel
32	FS	FS-1	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
33	FS	FS-3	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
34	FS	FS-4	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
35	FS	FS-5	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
36	FS	FS-6	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
37	FS	FS-8	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
38	FS	FS-9	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
39	FS	FS-10	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
40	FS	FS-13	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
41	FS	FS-14	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.

Table 3-42: Detailed Information of Repair of Drainage & Flushing Sluices of Package-1

#	Type of HS	Sluice Name	Polder	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress (30 January, 2020)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Repairing of Drainage Sluices</b>												
1	DS	DS-03	35/1	100%	100%	100%	100%	100%	N	NA		Gate to be Installed
2	DS	DS-10	35/1	100%	100%	100%	100%	100%	N	NA		Gate to be Installed
<b>Repairing of Flushing Sluices</b>												
1	FS	FS-01	32	100%	100%	100%	100%	100%	N	NA		Sluice in operation
2	FS	FFDFB-01	32	100%	100%	100%	100%	100%	N	NA		work completed
3	FS	FFDFM-01	32	100%	100%	100%	100%	100%	N	NA		work completed
4		FFDFR-01	32					100%			Dropped	No need to repair. (FFDFR-01)
5	FS	FM-08	32	100%	100%	100%	100%	100%	N	NA		work completed
6		FS-04	32					100%			Dropped	Sluice not repairable.(FS-04)
7	FS	FM-09	32	100%	100%	100%	100%	100%	N	NA		work completed
8	FS	FM-10	32	100%	100%	100%		85%	N	NA		work in progress.
9		FM-12	32					100%			Dropped	Sluice no need to repair.(FS-12)
10		FM-01	32					100%			Dropped	Sluice no need to repair.(FS-01)
11		FM-02	32					100%			Dropped	Sluice is now in no use.(FS-02)
12		FM-07	32					100%			Dropped	No need repair, connected with the private pond.(FS-07)
13		FM-11	32					100%			Dropped	No need repair, connected with the private pond.(FS-11)
14		FO-02	32					100%			Dropped	Outside the rtd. Embankment (FO-02)
15		FO-03	32					100%			Dropped	Sluice no need to repair.(FO-03)
16		FO-04	32					100%			Dropped	Outside the rtd. Embankment (FO-04)
17		FO-05	32					100%			Dropped	Outside the rtd. Embankment (FO-05)
18		FO-06	32					100%			Dropped	Outside the rtd. Embankment (FO-06)
19		FH-9	32					100%			Dropped	Engulf due of river erosion.(FH-09)
20		FS-02	33					100%	Y		Dropped	Private structure, repair not needed. (FH-02)
21		FS-12	33					100%	N	NA	Dropped	Private structure, repair not needed. (FH-02)
22	FS	FS-13	33	100%	100%	100%	100%	100%	N	NA		Structural work completed. Installation of get yet to be done.
23	FS	FS-15	33	100%	100%	100%	100%	100%	N	NA		Structural work completed. Installation of get yet to be done.
24	FS	FS-16	33	100%	100%	100%	100%	100%	N	NA		Structural work completed. Installation of get yet to be done.
25		FS-18	33					100%	Y		Dropped	Private structure, repair not needed. (FH-18)
26	FS	FS-03	35/1	100%	100%	100%	100%	100%	N	NA		Gate to be Installed
27	FS	FS-10	35/1	100%	100%	100%	100%	100%	N	NA		Gate to be Installed
28	FS	FS-20	35/1					0%	N	NA		
29	FS	FS-02	35/3	100%	100%	100%	100%	100%	N	NA		work completed
30	FS	FS-07	35/3	100%	100%	100%	100%	100%	N	NA		work completed

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**Table 3-43: Detailed Information of Slope Protection Works of Package-1**

#	Polder #	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	LA Problem	LA - Current Status	Mobilization	Production of CC Blocks	Placing of CC block	Other related work	Completed Length (km)	Status as of 30 January, 2020	Remarks
Package 1							3%	77%	7%	13%			
1	32	0.700	4.800	5.500	N	NA	100%	100%	100%	100%	0.700	100%	Work Completed.
2	32	0.600	7.100	7.700	N	NA	100%	100%	100%	100%	0.600	100%	Work Completed.
3	32	1.000	9.000	10.000	N	NA	100%	100%	100%	100%	1.000	100%	Rest will be completed after construction of D-10.
4	32	1.000	15.000	16.000	N	NA	20%				0.000	1%	Retired embankment not yet completed. After completion of embankment work will be done.
6	33	0.100	28.500	28.600	N	NA	100%	100%	100%	100%	0.100	100%	Work Completed.
10	33	2.199	41.735	43.934	N	NA	100%	100%	100%	100%	2.199	100%	Work Completed.
11	33	0.042	44.031	44.073	N	NA	100%	100%	100%	100%	0.042	100%	Work Completed.
12	33	0.110	45.000	45.110	N	NA	100%	100%	100%	100%	0.110	100%	Work Completed.
13	33	0.165	45.300	45.465	N	NA	100%	100%	100%	100%	0.165	100%	Work Completed.
14	33	0.100	45.465	45.565	N	NA	100%	100%	100%	100%	0.100	100%	Work Completed.
	33	1.000	45.600	46.600	N	NA	100%	100%	100%	100%	1.000	100%	Work Completed.
15	33	0.300	48.185	48.485	N	NA	0%	0%	0%	0%	0.000	0%	Retired embankment not yet completed . After completion of embankment work will be done.
18	35/1	1.000	2.300	3.300	N	NA	0%	75%	0%	0%	0.000	57.75%	Retired embankment partially done during 2016-2017.Embankment work is in progress.
19	35/1	1.500	3.800	5.300	N	NA	0%	75%	0%	0%	0.000	57.75%	Resectioning of embankment not yet completed.After completion of embankment work will be done.
20	35/1	0.750	8.000	8.750	N	NA	0%	75%	15%	20%	0.000	61.40%	Resectioning of embankment not yet completed.After completion of embankment work will be done.
21	35/1	0.500	13.200	13.700	N	NA	80%	100%	70%	70%	0.000	93.40%	Embankment not yet started. After completion of embankment work will be done.
22	35/1	3.000	14.000	17.000	N	NA	80%	100%	70%	70%	1.372	93.40%	1.372 km length is completed in between km 14.00 to km 17.00. work is in progress
23	35/1	5.000	20.500	25.500	Y		80%	95%	60%	70%	2.128	88.85%	2.128 km length is completed in between km 21.00 to km 23.200. work is in progress
24	35/3	0.900	39.100	40.000	N	NA	75%	100%	80%	75%	0.700	94.60%	work in progress.work reduced to 0.700 m
<b>Total</b>		<b>19.966</b>									<b>10.216</b>	<b>81.46%</b>	

Table 3-44: Detailed Information of Bank Protection Works of Package-1

#	Polder	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Mobilization	Production of CC Blocks	Placing of CC block	Other related work	Completed Length (km)	Status as of 30 January, 2020	Remarks
Package 1					3%	83%	6%	8%			
1	32	0.750	20.493	21.243	90%	100%	90%	75%	0.750	97.10%	Work substantially completed.
2	32	0.500	25.450	25.950	100%	100%	99%	100%	0.500	99.94%	Work substantially completed.
3	32	0.750	48.824	49.574	60%	100%	79%	50%	0.750	93.54%	Dumping work Completed. Work is in Progress.
4	33	0.200	0.000	0.200	100%	100%	100%	100%	0.200	100.00%	Completed
5	33	0.400	0.99	1.39	100%	100%	100%	100%	0.400	100.00%	Completed
6	33	0.500	17.36	17.86	100%	100%	100%	100%	0.500	100.00%	Completed
7	33	0.300	21.58	21.88	60%	100%	90%	50%	0.200	94.20%	200m Dumping & pitching completed. 100m Dumping & pitching not yet done. Pitching block not yet replaced
8	35/1	0.300	0.300	0.600					0.000	0.00%	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.Shop drwing needs to be received from CHWE.Variation needs to be done.
9	35/1	0.800	3.300	4.100	80%	88%	0%	80%	0.700	81.84%	Only dumping completed from km 3.8 to km 3.9,but pitching yet to be started.Now from km 3.9 to km 4.0 ,only dumping is in progress.
10	35/3	0.15	36.22	36.37	100%	100%	100%	100%	0.150	100.00%	Completed
Total		4.450							4.150	86.66%	

Table 3-45: Detailed Information of Construction of Closure Dam of Package-1

#	Sluice Closure Polder	Foundation Construction of the Closure	Closing of the Closure	Final protection of the Closure	Weighted % progress (January 2020)	LA Problem	LA - Current Status	Remarks
Closure Dam Construction								
1	Nalian Closure	32	100.00%	85%	42%	N	NA	Work in progress



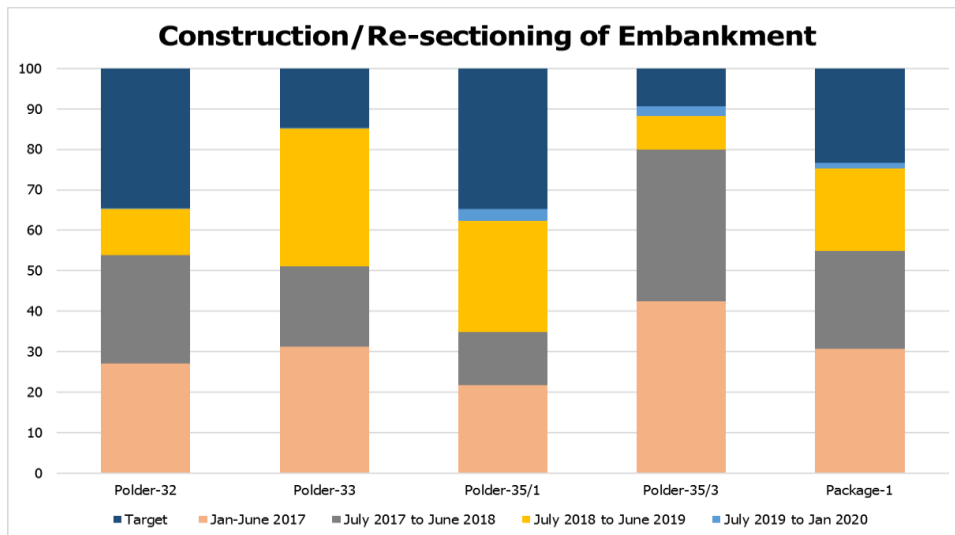


Figure 3-31: Construction/Re-sectioning of Embankment of Package-1

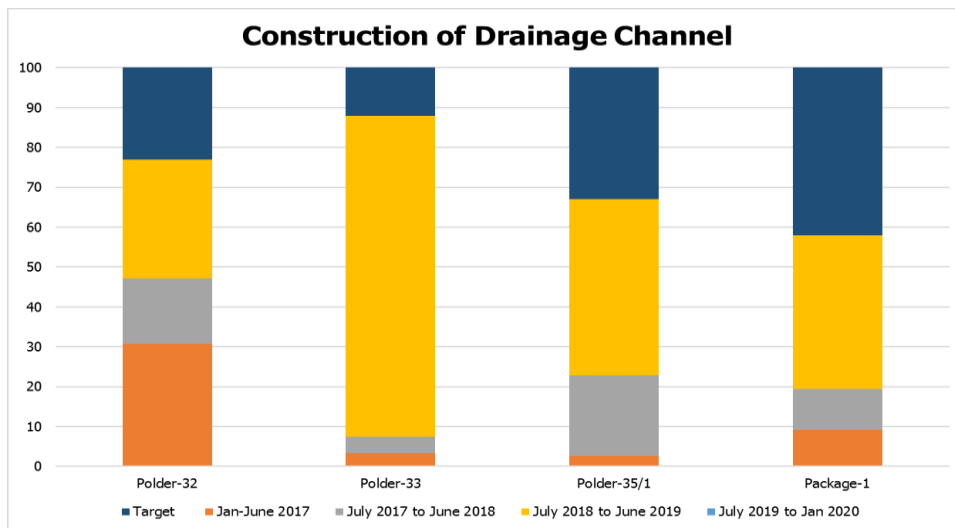


Figure 3-32: Drainage Channel of Package-1

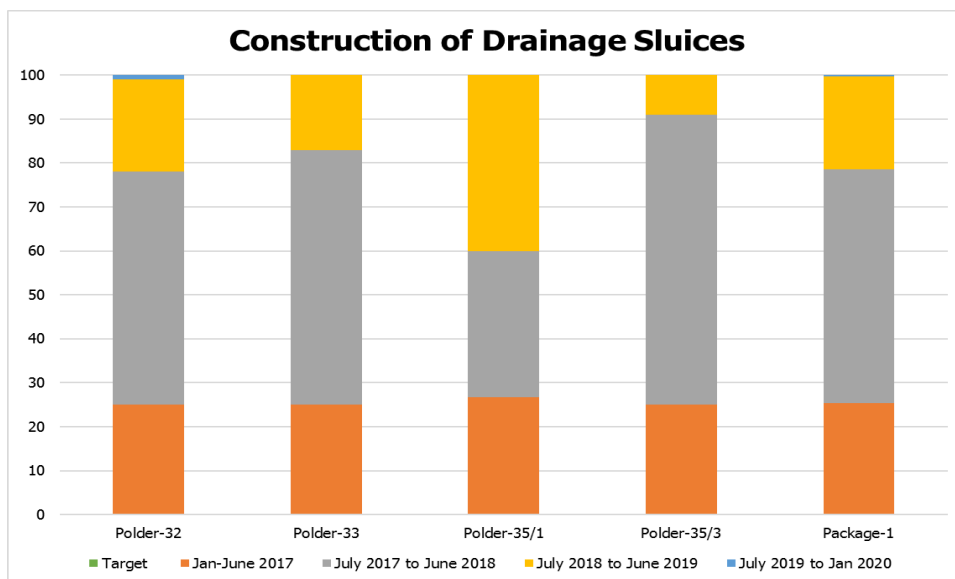


Figure 3-33: Construction of Drainage Sluices of Package-1

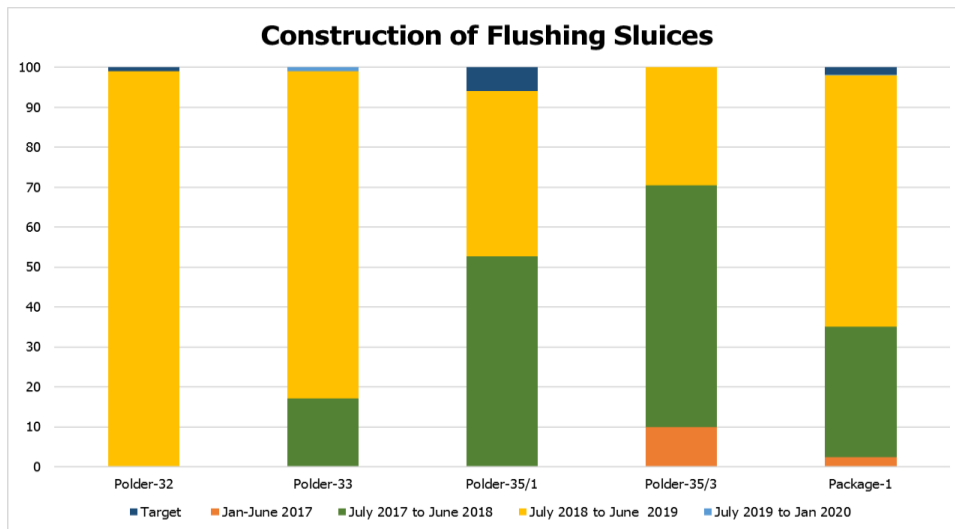


Figure 3-34: Construction of Flushing Sluice of Package-1

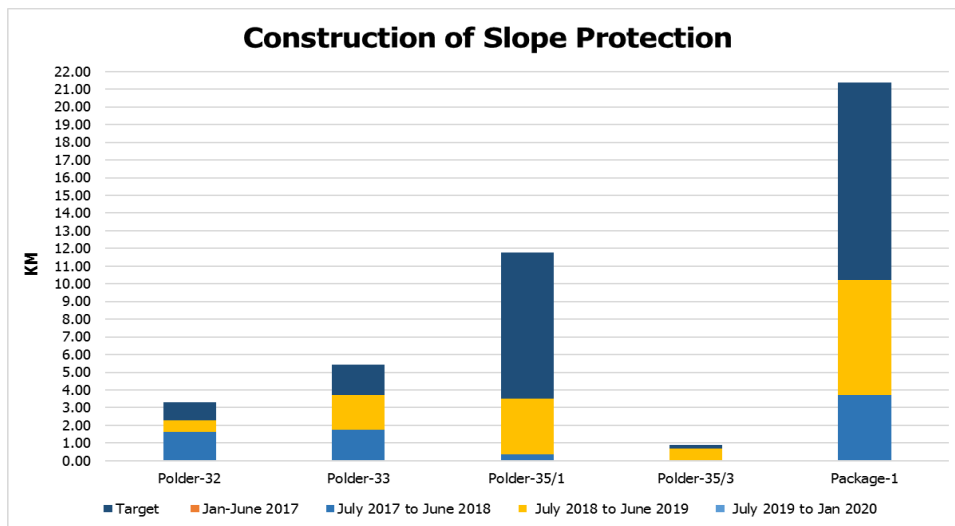


Figure 3-35: Construction of Slope Protection of Package-1

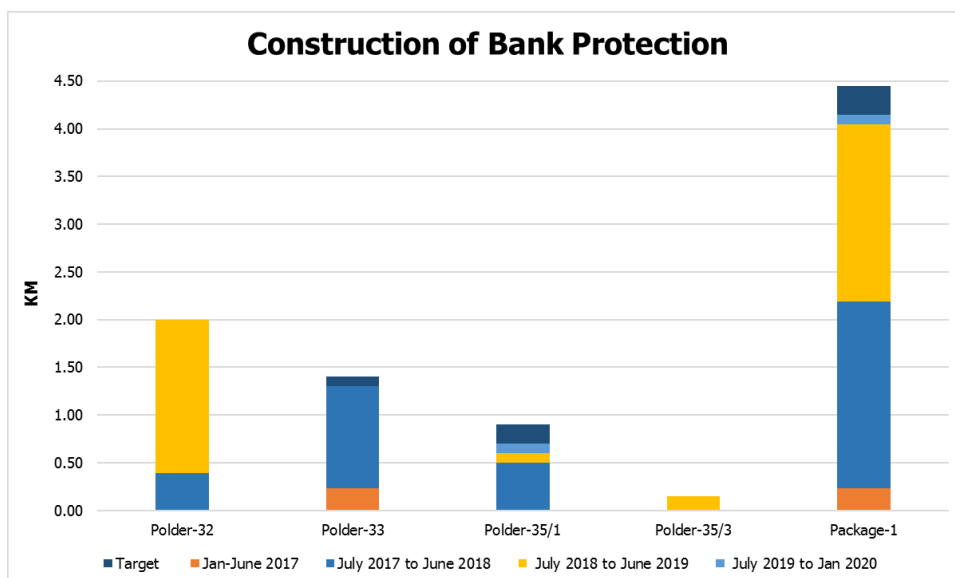


Figure 3-36: Construction of Bank Protection works of Package-1

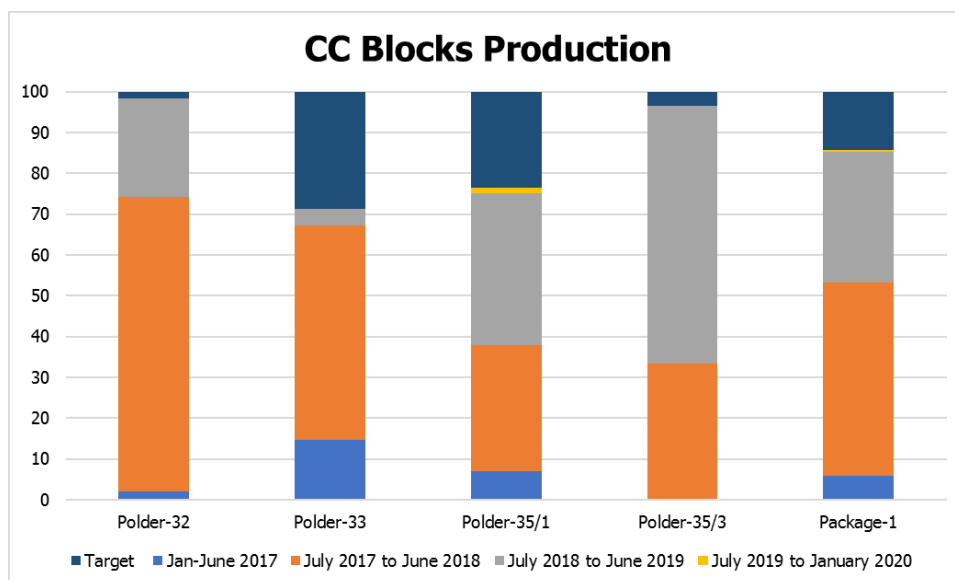


Figure 3-37: CC Blocks Production of Package-1

Table 3-46: CC Blocks Production as on January, 2020

S.N.	Polder Number	Quantity As per Zero Cost Variation (upto VO. 04)	Cumulative Total as of 31 Dec 2016	Cumulative Total as of 31 August 2017	Cumulative Total as of 31 December 2019	Production during January 2020					Cumulative Total as of 31 January 2020
						40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	Total (No)	
1	32	1,918,026	21,223	304,899	1,886,840	0	0	0	0	0	1,886,840
2	33	1,619,763	59,088	377,958	1,155,600	0	0	0	0	0	1,155,600
2	35/1	3,628,073	37,398	372,432	2,760,128	15,303	-1,352,843	792,101	560,742	15,303	2,775,431
3	35/3	220,567	60,620	369,555	212,954	0	0	0	0	0	212,954
<b>Total =</b>		<b>7,386,429</b>	<b>178,329</b>	<b>1,424,844</b>	<b>6,015,522</b>	<b>15,303</b>	<b>-1,352,843</b>	<b>792,101</b>	<b>560,742</b>	<b>15,303</b>	<b>6,030,825</b>



Figure 3-38: Completed Embankment in Polder-32



Figure 3-39: Completed Slope Protection Works in Polder-32



Figure 3-40: Completed DS of Polder-32



Figure 3-41: DS-9 of Polder-33



Figure 3-42: DS-10 of Polder-33



Figure 3-43: Completed Slope Protection Works in Polder-32



Figure 3-44: FS-17 of Polder-33



Figure 3-45: DS-5 of Polder-35/1



Figure 3-46: DS-6 of Polder-35/1



Figure 3-47: FS-2 of Polder-35/1



Figure 3-48: FS-13 of Polder-35/1



Figure 3-49: DS-1 of Polder-35/3



Figure 3-50: DS-3 of Polder-35/3



Figure 3-51: FS-2 of Polder-32

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 3-47 and Table 3-48 below:

Table 3-47: Information of 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.	6Nos.	14Nos.	Mostly fallen outside of the retired embankment.
02.	Polder-33	5 Nos.	3Nos.	2Nos.	As it has been constructed by the local shrimp culture owners
03.	Polder-35/1	3 Nos.	3Nos.	0	Due to unrepairable
04.	Polder-35/3	2 Nos.	2 Nos.	0	Do
<b>Total =</b>		<b>30 Nos.</b>	<b>14Nos.</b>	<b>16Nos.</b>	

Remaining (30-16) = 14nos. are in the program out of which 12 nos. have been completed and 1no. are in progress and remaining 1no. has not yet started for want of data which are supposed to be supplied by the contractor.

Total 2 nos. of Drainage Sluices under repair have in program and the work of which are completed.

Table 3-48: 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 repair, connected with the private pond.
FM-11	No need repair, connected with the private pond.
FM-12	Sluice could not be identified.
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	Engulf due of 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 3-49 below man power deployment for Contract Package-1 is listed and sample check has been done by the Consultants.

Table 3-49: List of Polder-wise Manpower Deployed to the Site of Package-1

SN	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	4	0	1	0	1	0	1	0	1	0	1	0
2	Technical Staff	34	42	11	8	8	6	4	7	8	11	3	10
3	Operator/ Driver	4	95	0	2	0	23	0	10	4	30	0	30
4	Skilled Worker	3	61	0	3	1	16	0	8	2	22	0	14
5	Common Labor	1	290	0	4	0	36	1	150	0	80	0	20
6	Logistic	4	17	1	1	1	4	1	4	1	3	1	4
<b>Total=</b>		<b>50</b>	<b>505</b>	<b>13</b>	<b>18</b>	<b>11</b>	<b>85</b>	<b>7</b>	<b>179</b>	<b>16</b>	<b>146</b>	<b>5</b>	<b>78</b>

Source by Contractor

### 3.4.4 Equipment Mobilization

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

Table 3-50: List of Equipment

Name of Polder	Equipment required													Equipment already deployed										
	B.dozer/S.F roller/ Compactor (150HP) (nose.)	Dum Truck and carry Scraper	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	B.dozer/S.F roller/ Compactor (150HP) (nose.)	Dum Truck /Carry Scraper/ Tractor carrier	Excavator	Concrete Mix Machine/Trans it mixer	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
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	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

Contract modifications Variation Order No.2 for using CC blocks instead of hard rock has been agreed upon and materialised. But the approved Variation Order No. 2, 3 & 4 have not yet been received. Tentative Monthly Forecast of Payment for FY 2019-20 for Package-W/-01 is prepared and incorporated in the MPR of January, 2020 in Table 3-51.

Table 3-51: Tentative Monthly Forecast of Payment for FY 2019-2020 for Package-W/-01

IPC No.	Month of Submission	Forecast Value of IPC	Remark
IPC-22	Dec. 2019	118,071,705	No IPC is submitted in the month of December,2019
IPC-23	Jan. 2020	186,162,136	No IPC is submitted in the month of January, 2020
IPC-24	Feb. 2020	228,175,381	
IPC-25	Mar. 2020	228,175,381	
IPC-26	Apr. 2020	218,034,253	
IPC-27	May. 2020	210,790,590	
IPC-28	Jun. 2020	505,492,543	
IPC-29	Jun. 2020	230,653,099	
<b>Total</b>		<b>1,925,555,088</b>	

3.4.6 S-Curve of Package-1



Legend: — SCHEDULE — ACTUAL — PAYMENT

Figure 3-52: Revised S-Curve of Package-1



### 3.4.7 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 January, 2020 are shown below:

Table 3-52: Summary of Emergency works under the head of "Environmental Mitigation Works"

Sl.	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: 40,000,000.00

Table 3-53: Summary of Emergency works under the head of "Physical & Price Contingency"

Sl. No.	Name of Polder	Total Length	Total Cost Estimate (BDT)
01	Polder-32	4.856	22,012,926
02	Polder-33	1.671	13,399,272
03	Polder-35/1	3.216	32,609,736
04	Polder-35/3	2.879	8,401,201
<b>Total =</b>		<b>12.622</b>	<b>76,423,135</b>

❖ Total available budget as per Zero Cost Variation (up to V.O.04): BDT:259,934,799.64

Table 3-54: 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	2.883	3.144	0.261	Gunari of Sutharkhali	20-Mar-16	972,969.00	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	7.681	7.981	0.300	Sutarkhali	7-May-17	1,433,223.43	Environmental Mitigation Works	FY 2016-17
6	Polder-32	8.030	8.160	0.130	Sutarkhali	5-Jun-17	639,091.00	Environmental Mitigation Works	FY 2016-17
7	Polder-32	8.164	8.292	0.128	Sutarkhali	16-Apr-17	811,931.00	Environmental Mitigation Works	FY 2016-17
8	Polder-32	8.140	8.217	0.077	Kalibari	22-Jan-17	256,000.00	Environmental Mitigation Works	FY 2016-17
9	Polder-32	8.566	8.649	0.083	Sutarkhali	16-May-17	619,153.00	Environmental Mitigation Works	FY 2016-17
10	Polder-32	12.393	12.693	0.300	Jaynagar	23-Mar-16	1,027,000.00	Environmental Mitigation Works	FY 2015-16
11	Polder-32	18.575	18.690	0.115	Hatkhola	20-Apr-16	817,000.00	Environmental Mitigation Works	FY 2015-16
12	Polder-32	16.680	16.900	0.220	Jhaliakhali of Kamarkhola	23-Mar-16	608,000.00	Environmental Mitigation Works	FY 2015-16
13	Polder-32	18.840	19.960	1.120	Hatkhola	3-Mar-16	817,000.00	Environmental Mitigation Works	FY 2015-16
14	Polder-32	19.179	19.236	0.057	Kamarkhola	24-Apr-17	460,436.32	Environmental Mitigation Works	FY 2016-17
15	Polder-32	30.050	30.148	0.098	Sutarkhali	22-Jun-17	7,702,000.00	Environmental Mitigation Works	FY 2016-17

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

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
16	Polder-32	36.155	36.232	0.077	Sutarkhali	24-Apr-17	337,118.92	Environmental Mitigation Works	FY 2016-17
17	Polder-32	43.118	43.147	0.029	Sutarkhali	24-Apr-17	103,342.00	Environmental Mitigation Works	FY 2016-17
18	Polder-32	44.561	44.931	0.370	Sutarkhali	20-Mar-16	1,039,924.00	Environmental Mitigation Works	FY 2015-16
19	Polder-32	44.907	44.935	0.028	Sutarkhali	11-May-17	108,959.00	Environmental Mitigation Works	FY 2016-17
20	Polder-32	45.062	45.100	0.038	Shibsha River	27-Mar-17	631,551.00	Environmental Mitigation Works	FY 2016-17
21	Polder-33	0.130	0.280	0.150	Banisanta	2-Jun-16	386,000.00	Environmental Mitigation Works	FY 2015-16
22	Polder-33	0.600	1.300	0.700	Banisanta	2-Jun-16	1,159,000.00	Environmental Mitigation Works	FY 2015-16
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	17.447	17.547	0.100	Ramnagar	19-Jan-16	3,601,000.00	Environmental Mitigation Works	FY 2015-16
25	Polder-33	1.220	1.332	0.112	Baniashanta	25-May-17	663,558.00	Environmental Mitigation Works	FY 2016-17
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	48.800	48.875	0.075	Banisanta	15-Mar-16	1,175,520.00	Environmental Mitigation Works	FY 2016-17
28	Polder-35/1	2.100	2.466	0.366	Baleswar	8-May-17	609,128.55	Environmental Mitigation Works	FY 2016-17
29	Polder-35/1	20.082	20.163	0.081	Sarankhola	1-Apr-16	100,000.00	Environmental Mitigation Works	FY 2015-16
30	Polder-35/1	24.430	24.500	0.070	Sarankhola	23-Apr-17	1,793,272.30	Environmental Mitigation Works	FY 2016-17
31	Polder-35/1	24.703	24.864	0.161	Southkhali	21-Jun-17	2,080,957.39	Environmental Mitigation Works	FY 2016-17

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

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
32	Polder-35/1	24.673	24.864	0.191	Bogi	19-Jun-17	2,080,957.39	Environmental Mitigation Works	FY 2016-17
33	Polder-35/1	63.050	63.106	0.056	Morelgonj	1-Mar-16	1,317,000.00	Environmental Mitigation Works	FY 2015-16
34	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
35	Polder-35/3	3.394	3.494	0.100	MollikerBer	27-Apr-17	418,530.02	Environmental Mitigation Works	FY 2016-17
36	Polder-35/3	7.176	7.905	0.729	Panchamala of Dema	22-Mar-16	533,000.00	Environmental Mitigation Works	FY 2016-17
37	Polder-35/3	9.558	9.597	0.039	Panchamala of Dema	22-Mar-16	23,000.00	Environmental Mitigation Works	FY 2016-17
38	Polder-35/3	9.815	9.887	0.072	Panchamala of Dema	22-Mar-16	34,000.00	Environmental Mitigation Works	FY 2016-17
39	Polder-35/3	29.865	29.965	0.100	Radhaballab	27-Mar-16	1,070,000.00	Environmental Mitigation Works	FY 2015-16
<b>Total</b>				<b>7.62</b>			<b>39,991,142</b>		

Table 3-55: 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

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

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
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
23.	Polder-32	19.150	19.225	0.075	Kamarkhola	5-Apr-17	40,000.00	Physical & Price Contingency	FY 2017-18
24.	Polder-32	19.165	19.265	0.100	Kamarkhola	2-Aug-16	625,000.00	Physical & Price Contingency	FY 2017-18
25.	Polder-32	19.141	19.277	0.136	Kamarkhola	22-Aug-17	122,307.32	Physical & Price Contingency	FY 2017-18
26.	Polder-32	24.759	24.859	0.100	Sharankhola	14-Nov-16	1,859,614.00	Physical & Price Contingency	FY 2017-18
27.	Polder-32	25.659	25.719	0.060	Kamarkhola	17-Nov-16	415,302.00	Physical & Price Contingency	FY 2016-17
28.	Polder-32	30.568	30.618	0.050	Sutarkhali	18-Oct-18	90,967.00	Physical & Price Contingency	FY 2018-19
29.	Polder-32	30.905	31.070	0.165	Sutarkhali	1-Oct-19	1,153,060.25	Physical & Price Contingency	FY 2019-20
30.	Polder-32	31.345	31.387	0.042	Sutarkhali	27-Apr-17	84,867.18	Physical & Price Contingency	FY 2017-18
31.	Polder-32	36.179	36.268	0.089	Sutarkhali	22-Jun-17	164,657.00	Physical & Price Contingency	FY 2016-17

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

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
32.	Polder-32	36.317	36.365	0.048	Sutarkhali	1-Aug-18	307,884.00	Physical & Price Contingency	FY 2018-19
33.	Polder-32	36.225	36.341	0.116	Sutarkhali	11-Aug-18	150,000.00	Physical & Price Contingency	FY 2017-18
34.	Polder-32	41.570	41.620	0.050	Sutarkhali	22-May-18	468,884.00	Physical & Price Contingency	FY 2017-18
35.	Polder-32	43.115	43.155	0.040	Thursday Bazar, Sutarkhali	1-Aug-18	129,624.00	Physical & Price Contingency	FY 2018-19
36.	Polder-32	44.900	45.120	0.220	Sutarkhali	20-Aug-18	508,047.00	Physical & Price Contingency	FY 2018-19
37.	Polder-32	44.957	45.083	0.126	Kalabogi	1-May-16	926,000.00	Physical & Price Contingency	FY 2018-19
38.	Polder-32	44.575	44.826	0.251	Kalabogi	23-Jun-19	1,663,527.00	Physical & Price Contingency	FY 2018-19
39.	Polder-32	45.506	45.518	0.012	Kalabogi	10-May-17	32,000.00	Physical & Price Contingency	FY 2017-18
40.	Polder-32	45.549	45.731	0.182	Sutarkhali	12-Jul-17	1,338,310.00	Physical & Price Contingency	FY 2017-18
41.	Polder-33	1.086	1.127	0.041	Banishanta	19-Sep-17	432,185.30	Physical & Price Contingency	FY 2017-18
42.	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
43.	Polder-33	0.005	0.060	0.055	Banishanta	1-Jun-17	344,069.00	Physical & Price Contingency	FY 2016-17
44.	Polder-33	1.070	1.116	0.046	Dhangmari	25-May-17	31,798.00	Physical & Price Contingency	FY 2017-18
45.	Polder-33	1.200	1.242	0.042	Baniashanta	20-Aug-18	294,835.00	Physical & Price Contingency	FY 2018-19
46.	Polder-33	0.235	0.280	0.045	Baniashanta	13-Aug-18	416,831.00	Physical & Price Contingency	FY 2018-19
47.	Polder-33	17.465	17.595	0.130	Ramnagar	1-Aug-16	865,000.00	Physical & Price Contingency	FY 2016-17

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

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
48.	Polder-33	21.730	21.800	0.070	Dacope	11-Aug-18	464,469.00	Physical & Price Contingency	FY 2018-19
49.	Polder-33	48.575	48.658	0.083	Banishanta	16-Aug-16	594,000.00	Physical & Price Contingency	FY 2017-18
50.	Polder-33	48.653	48.741	0.088	Banisanta	13-Aug-18	1,672,456.00	Physical & Price Contingency	FY 2018-19
51.	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
52.	Polder-33	48.892	48.972	0.080	Banisanta	11-Sep-18	497,585.00	Physical & Price Contingency	FY 2018-19
53.	Polder-33	48.850	49.100	0.250	Banisanta	16-May-18	2,480,308.98	Physical & Price Contingency	FY 2017-18
54.	Polder-33	48.866	49.020	0.154	Banisanta	22-Jul-19	1,456,203.79	Physical & Price Contingency	FY 2019-20
55.	Polder-33	48.868	49.087	0.219	Banisanta	1-Aug-18	1,097,128.00	Physical & Price Contingency	FY 2018-19
56.	Polder-33	48.930	49.050	0.120	Banisanta	24-Aug-16	1,780,283.00	Physical & Price Contingency	FY 2016-17
57.	Polder-33	49.000	49.045	0.045	Banisanta	10-Oct-17	324,000.00	Physical & Price Contingency	FY 2018-19
58.	Polder-33	49.022	49.099	0.077	Banisanta	11-Oct-17	337,240.00	Physical & Price Contingency	FY 2018-19
59.	Polder-33	49.047	49.075	0.028	Banisanta	21-Sep-17	310,880.00	Physical & Price Contingency	FY 2018-19
60.	Polder-35/1	20.020	20.308	0.288	Sarankhola	1-Jul-16	2,800,000.00	Physical & Price Contingency	FY 2017-18
61.	Polder-35/1	23.812	24.014	0.202	Southkhali	24-Apr-18	394,032.65	Physical & Price Contingency	FY 2017-18
62.	Polder-35/1	23.750	23.910	0.160	Bagi	28-Jul-19	3,088,391.80	Physical & Price Contingency	FY 2019-20
63.	Polder-35/1	23.788	23.823	0.035	Southkhali	10-Jan-18	290,938.46	Physical & Price Contingency	FY 2018-19



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

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
64.	Polder-35/1	23.967	25.190	1.223	Southkhali	11-Jul-19	5,466,200.55	Physical & Price Contingency	FY 2019-20
65.	Polder-35/1	23.988	24.028	0.040	Sarankhola	24-May-18	355,507.00	Physical & Price Contingency	FY 2018-19
66.	Polder-35/1	23.988	24.028	0.040	Sarankhola	10-Jan-19	257,635.10	Physical & Price Contingency	FY 2018-19
67.	Polder-35/1	24.094	24.154	0.060	Sarankhola	10-Jan-19	535,364.22	Physical & Price Contingency	FY 2018-19
68.	Polder-35/1	24.252	24.329	0.077	Southkhali	29-Jul-18	1,961,705.54	Physical & Price Contingency	FY 2018-19
69.	Polder-35/1	24.273	24.340	0.067	Southkhali	27-Nov-17	1,370,419.82	Physical & Price Contingency	FY 2017-18
70.	Polder-35/1	24.400	24.457	0.057	Sarankhola	1-Aug-16	812,000.00	Physical & Price Contingency	FY 2016-17
71.	Polder-35/1	24.366	24.454	0.088	Bagi	30-Oct-17	1,372,087.83	Physical & Price Contingency	FY 2017-18
72.	Polder-35/1	24.475	24.537	0.062	Bagi	19-Sep-17	761,484.52	Physical & Price Contingency	FY 2016-17
73.	Polder-35/1	24.525	24.605	0.080	Bagi	9-May-18	1,539,821.57	Physical & Price Contingency	FY 2017-18
74.	Polder-35/1	24.594	24.666	0.072	Bagi	30-Oct-17	1,352,571.65	Physical & Price Contingency	FY 2017-18
75.	Polder-35/1	24.815	24.913	0.098	Sarankhola	12-Mar-19	2,355,290.74	Physical & Price Contingency	FY 2018-19
76.	Polder-35/1	24.528	24.598	0.070	Sarankhola	12-Mar-19	445,810.12	Physical & Price Contingency	FY 2018-19
77.	Polder-35/1	24.164	24.251	0.087	Sarankhola	16-May-18	1,847,015.74	Physical & Price Contingency	FY 2017-18
78.	Polder-35/1	23.788	23.833	0.045	Sarankhola		535,205.00	Physical & Price Contingency	FY 2018-19
79.	Polder-35/1	24.590	24.765	0.175	Southkhali	12-Sep-18	2,063,945.09	Physical & Price Contingency	FY 2018-19
80.	Polder-35/1	24.759	24.859	0.100	Southkhali	30-Nov-17	1,801,033.32	Physical & Price Contingency	FY 2017-18
81.	Polder-35/1	24.865	24.955	0.090	Southkhali	3-Dec-17	1,203,275.08	Physical & Price Contingency	FY 2017-18

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

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
82.	Polder-35/3	0.127	0.168	0.041	MollikerBer	27-Jul-16	550,000.00	Physical & Price Contingency	FY 2016-17
83.	Polder-35/3	0.130	0.170	0.040	MollikerBer	7-May-17	287,000.00	Physical & Price Contingency	FY 2017-18
84.	Polder-35/3	2.826	2.948	0.122	MollikerBer	27-Apr-17	408,850.00	Physical & Price Contingency	FY 2017-18
85.	Polder-35/3	5.500	5.570	0.070	Basbaria	25-Jul-17	20,270.00	Physical & Price Contingency	FY 2018-19
86.	Polder-35/3	7.000	7.007	0.007	Panchamala of Dema	5-Jul-17	14,000.00	Physical & Price Contingency	FY 2018-19
87.	Polder-35/3	9.867	9.917	0.050	MollikerBer	22-Mar-16	26,000.00	Physical & Price Contingency	FY 2016-17
88.	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
89.	Polder-35/3	9.900	10.050	0.150	Dema	7-May-17	1,046,761.94	Physical & Price Contingency	FY 2016-17
90.	Polder-35/3	10.000	10.040	0.040	Panchamala of Dema	19-Jul-17	45,269.00	Physical & Price Contingency	FY 2017-18
91.	Polder-35/3	10.040	10.085	0.045	Panchamala of Dema	18-Jul-17	51,276.00	Physical & Price Contingency	FY 2017-18
92.	Polder-35/3	10.085	10.120	0.035	Panchamala of Dema	19-Aug-17	39,819.00	Physical & Price Contingency	FY 2018-19
93.	Polder-35/3	10.120	10.160	0.040	Panchamala of Dema	20-Aug-17	45,269.00	Physical & Price Contingency	FY 2018-19
94.	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
95.	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
96.	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
97.	Polder-35/3	13.209	13.242	0.033	Radhaballab	8-Oct-16	445,000.00	Physical & Price Contingency	FY 2017-18
98.	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
99.	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

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

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	13.110	13.148	0.038	Radhabollov	3-Jun-17	379,048.09	Physical & Price Contingency	FY 2016-17
101.	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
102.	Polder-35/3	13.350	13.387	0.037	Bagerhat	18-Sep-17	268,708.79	Physical & Price Contingency	FY 2017-18
103.	Polder-35/3	13.067	13.187	0.120	Radhaballab	27-Mar-16	1,120,000.00	Physical & Price Contingency	FY 2015-16
104.	Polder-35/3	13.573	13.610	0.037	Radhaballab	27-Mar-16	123,000.00	Physical & Price Contingency	FY 2015-16
105.	Polder-35/3	29.600	29.700	0.100	Khagraghat	26-Aug-17	40,395.00	Physical & Price Contingency	FY 2018-19
106.	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
107.	Polder-35/3	30.000	30.070	0.070	Rampal	12-Jun-17	17,000.00	Physical & Price Contingency	FY 2017-18
108.	Polder-35/3	36.625	36.665	0.040	Rampal	31-Aug-16		Physical & Price Contingency	FY 2016-17
109.	Polder-35/3	37.130	37.325	0.195	MollikerBer	19-Jul-17	30,064.00	Physical & Price Contingency	FY 2018-19
110.	Polder-35/3	37.500	37.550	0.050	Rampal	17-Jul-17	9,543.00	Physical & Price Contingency	FY 2017-18
111.	Polder-35/3	37.624	37.774	0.150	MollikerBer	17-Jul-17	34,000.00	Physical & Price Contingency	FY 2017-18
112.	Polder-35/3	38.585	38.904	0.319	MollikerBer	28-Aug-16	158,010.00	Physical & Price Contingency	FY 2016-17
113.	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>12.62</b>			<b>76,423,135</b>		<b>Total</b>

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

#### 3.5.1 Introduction

This monthly progress Report (MPR) covers all major site activities executed in each of the six Polders up to 31 January, 2020. 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)

The contractor completed administrative work site visits and dossier for the 5% advanced payment and took possession of sites and the employer has paid the 5% advanced payment to the contractor.

Upon receipt of the first instalment 5% Advanced Payment, the Contractor proceeded with the procurement of goods and services to create the team and physical facilities, equipment and/or tools and started work on site. The Contractor has also received 2<sup>nd</sup> instalment of Advance Payment and utilizing to execute the physical work of the Contract. The item wise physical progress is reflected in the Figure 3-48

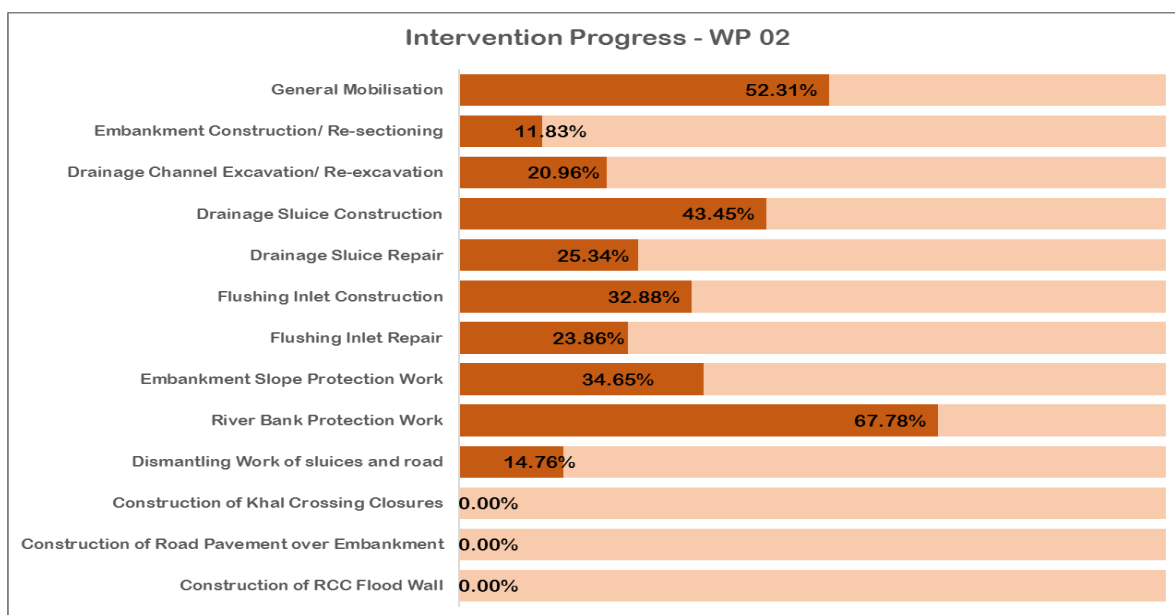


Figure 3-53: Item Wise Progress of Package-2

### 3.5.2 Physical Progress (Mile Stone Matrix)

Table 3-56: Physical Works Status of Package-02 as on 31 January 2020

Item	Unit	Contract Quantity	Tentative Program FY 2019-2020		Cumulative upto June 2019		Cumulative upto December 2019		Current Month		Cumulative upto January 2020		Cumulative During FY 2019-20	
			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=(12-8)	11=(13-9)	12=6+10	13=(7+11)	14=(12-6)	15=(13-7)
Embankment Construction/Re-sectioning	Km	208.026	100.00	0	18.82	13.30	19.165	24.679	5.450	1.311	24.615	23.368	5.80	23.368
					9.03%	23.57%	9.19%	35.41%	2.64%	0.00%	11.83%	35.41%	2.81%	11.84%
Drainage Channel Excavation/Re-excavation	Km	154.632	100.00	0	19.07	0	19.070	0.000	0.000	0.000	19.070	0	0.00	0.00
					12.33%	0	12.33%	0	0.00%	0.00%	12.33%	0	0.00%	0.00%
Drainage Sluice Construction	No.	50	23	0	0	19	0	31	0	1	0	32	0	32
					0	0.09%	0.00%	72.13%	0.00%	1.87%	0.00%	74.00%	0.00%	73.91%
Drainage Sluice Repair	No.	6	3	0	0	1	0	1	0	1	0	2	0	2
					0.00%	0.08%	0.00%	0.08%	0.00%	20.00%	0.00%	20.08%	0.00%	20.00%
Flushing Inlet Construction	No.	48	30	0	0	15	0	21	0	0	0	21	0	21
					0%	47.31%	0.00%	64.35%	0.00%	0.86%	0.00%	65.21%	0.00%	17.90%
Flushing Inlet Repair	No.	32	8	0	0	2	1	5	0	1	1	6	1	6
					0%	2.50%	3.33%	36.10%	-0.21%	2.17%	3.13%	38.27%	3.13%	35.77%
Embankment Slope Protection Work	Km	9.48	5	0	0.15	0	0.25	-	0.000	-	0.25	-	0.100	0.00
					1.58%	0	2.64%	-	0.00%	-	2.64%	-	1.06%	
River Bank Protection Work	Km	4.920	3	0	1.90	0	3.290	-	0.060	-	3.350	-	1.450	0.00
					38.62%	0	66.87%	-	1.22%	-	68.09%	-	29.47%	
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	-	-	-	-	-	-	-	-		

Table 3-57: Polder wise Physical Works status of Package-2 as on 31 January 2020

DS FS Construction Summary																	
Package #	Polder No	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	0	4	9	18.75%	0	21	0	21	0	0	21	0.00%	0
	40/2	9	0	9	0	5	4	39.08%	0	11	8	3	0	3	0	84.82%	0
	41/1	10	0	10	0	8	2	62.24%	0	16	5	11	0	8	3	52.00%	0
	43/2C	8	0	8	0	5	3	24.91%	0	15	8	7	0	4	3	26.79%	0
	47/2	4	0	4	0	4	0	88.75%	0	5	2	3	0	3	0	87.50%	0
	48	6	0	6	0	6	0	69.02%	0	3	0	3	0	3	0	85.00%	0
	<b>Total</b>		<b>50</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>32</b>	<b>18</b>	<b>43.72%</b>	<b>0</b>	<b>71</b>	<b>23</b>	<b>48</b>	<b>0</b>	<b>21</b>	<b>27</b>	<b>22.52%</b>

DS FS Repair Summary																	
Package #	Polder No	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	13.92%	0	11	0	11	0	3	8	14.43%	0
	41/1	0	0	0	0	0	0	NA	0	12	0	12	1	1	10	14.04%	0
	43/2C	0	0	0	0	0	0	NA	0	7	0	7	0	0	7	0.00%	0
	47/2	0	0	0	0	0	0	NA	0	2	0	2	0	2	0	74.00%	0
	48	3	0	3	0	1	2	13.67%	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>13.79%</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>1</b>	<b>6</b>	<b>25</b>	<b>14.85%</b>

Bank Protection Work Summary			Slope Protection Work Summary			Drainage Channel Excavation Summary				CC Block Production Status				
Package No	Polder No	Target Length (Km)	Completed Length (Km)	% Completed	Target Length (Km)	Completed Length (Km)	% Completed	Number of Canals	Target Length (Km)	Completed Length (Km)	% Completed	Target Quantity	Production Quantity	% Completed
Package 2	39/2C	3.500	2.880	82.29%	4.00	0.00	0.00%	11	57.23	0.00	0.00%	5,985,778	4,191,482	70.02%
Package 2	40/2	0.000	0.000	NA	1.14	0.00	0.00%	11	4.23	1.83	43.25%	429,969	180,910	42.08%
Package 2	41/1	0.400	0.210	52.50%	0.00	0.00	NA	8	23.13	2.82	12.20%	577,846	270,986	46.90%
Package 2	43/2C	0.500	0.000	0.00%	0.26	0.00	0.00%	8	28.16	2.44	8.67%	435,342	40,743	9.36%
Package 2	47/2	0.520	0.260	50.00%	0.00	0.00	NA	4	9.17	9.16	99.88%	482,227	283,755	58.84%
Package 2	48	0.000	0.000	NA	4.08	0.25	6.13%	11	32.72	2.82	8.63%	539,493	211,661	39.23%
<b>Package 2</b>		<b>4.920</b>	<b>3.350</b>	<b>68.09%</b>	<b>9.48</b>	<b>0.250</b>	<b>2.64%</b>	<b>53</b>	<b>154.63</b>	<b>19.070</b>	<b>12.33%</b>	<b>8,450,654</b>	<b>5,179,537</b>	<b>61.29%</b>

Embankment Construction/ Resectioning Summary													Partly Completed			
Package No	Polder No	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	0.30	0.51%	59.25	0.30	0.51%	0.00	0.00	NA	0.00	0.00	NA	0.40	0.00	0.00
Package 2	40/2	34.200	4.15	12.13%	0.00	0.00	NA	32.44	4.15	12.79%	0.00	0.00	NA	0.00	6.29	0.00
Package 2	41/1	33.571	1.00	2.98%	0.00	0.00	NA	31.32	1.00	3.19%	2.25	0.00	0.00%	0.00	9.93	0.35
Package 2	43/2C	25.505	2.40	9.41%	0.00	0.00	NA	24.57	2.40	9.77%	0.58	0.00	0.00%	0.00	4.52	0.00
Package 2	47/2	17.500	16.20	92.57%	0.00	0.00	NA	16.37	16.20	98.96%	1.13	0.00	0.00%	0.00	0.00	0.00
Package 2	48	38.000	0.57	1.49%	0.00	0.00	NA	38.00	0.57	1.49%	0.00	0.00	NA	0.00	1.88	0.00
<b>Package 2</b>		<b>208.026</b>	<b>24.615</b>	<b>11.83%</b>	<b>59.250</b>	<b>0.300</b>	<b>0.51%</b>	<b>142.698</b>	<b>24.315</b>	<b>17.04%</b>	<b>3.96</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.400</b>	<b>22.618</b>	<b>0.350</b>

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

**Table 3-58: Detailed Information of Construction of Embankment for Package-2**

#	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)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 Jan 2020	Remarks
<b>Package 2</b>																			
<b>Polder-39/2C</b>																			
			Yet to start	37.300	0.000	37.300	New	Yes	Taka Deposited to DC	1,211,825									Land Problem
			Ongoing	1.700	37.300	39.000	New	No	Possession received	102,000	6,000	0.300	0.400			5.88%	0.00%	5.41%	Work in Progress
1	39/2C	Pirogpur & Jalukathi	Yet to start	20.250	39.000	59.250	New	Yes	Taka Deposited to DC	635,492			0.000			0.00%	0.00%	0.00%	Land Problem
Total Polder-39/2C =				59.250						1,949,317	6,000	0.300	0.400	0	0				
<b>Polder-40/2</b>																			
1	40/2	Pathargata Mouza	Yet to start	1.240	0.000	1.240	Resectioning		Pourashava cc Road									0.00%	Pourashava cc Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
2	40/2	Pathargata Mouza	Ongoing	1.760	1.240	3.000	Resectioning	Yes	Fund placed to DC	120,647	17,000	0.000	1.240			14.09%	0.00%	12.96%	Work in Progress
3	40/2	Gohorpur	Yet to start	1.150	3.000	4.150	Resectioning	No	NA	57,701								0.00%	Program for next year.
4	40/2	Gohorpur	Ongoing	1.700	4.150	5.850	Resectioning	No	NA	19,892	19,892	1.700	0.000	31,830	23,281	100.00%	73.14%	97.85%	Work in Progress
5	40/2	Gohorpur	Yet to start	0.100	5.850	5.950	Resectioning	No	NA	2,073								0.00%	Embankment work will be done with F5-4/1 & near to completion.
6	40/2	Gohorpur	Ongoing	0.700	5.950	6.650	Resectioning	No	NA	16,002	16,002	0.700	0.000	13,106	10,175	100.00%	77.64%	98.21%	Work in Progress
7	40/2	Nijlathimara	Ongoing	0.850	6.650	7.500	Resectioning	No	NA	18,943	4,100	0.000	0.850			21.64%	0.00%	19.91%	Work in Progress
8	40/2	Nijlathimara	Yet to start	1.500	7.500	9.000	Resectioning	No	NA	30,937								0.00%	Program for next year
9	40/2	Tangra Mouza	Ongoing	1.500	9.000	10.500	Resectioning	No	NA	45,975	22,480	0.000	1.500			48.90%	0.00%	44.98%	Work in Progress
10	40/2	Gapbharía	Yet to start	1.500	10.500	12.000	Resectioning	No	NA	86,084								0.00%	Program for next year
11	40/2	Tapalbaria	Ongoing	0.850	12.000	12.850	Resectioning	No	NA	51,650	25,900	0.000	0.850			50.15%	0.00%	46.13%	Work in Progress
12	40/2	Tapalbaria	Ongoing	1.150	12.850	14.000	Resectioning	No	NA	109,488	32,000	0.000	1.150			29.23%	0.00%	26.89%	Work in Progress
13	40/2	Tapalbaria	Yet to start	1.200	14.000	15.200	Resectioning	Yes	Fund placed to DC	105,022						0.00%		0.00%	Program for next year
14	40/2	Char donai Mouza	Yet to start	2.500	15.200	17.700	Resectioning	No	NA	239,038						0.00%		0.00%	Program for next year
15	40/2	Char donai Mouza	Ongoing	0.750	17.700	18.450	Resectioning	No	NA	53,664						0.00%		0.00%	
16	40/2	Char donai Mouza	Ongoing	1.000	18.450	19.450	Resectioning	No	NA	86,578	42,000	0.300	0.700			48.51%		44.63%	
17	40/2	Char donai Mouza	Yet to start	2.100	19.450	21.550	Resectioning	Yes	Fund placed to DC	165,513						0.00%		0.00%	Program for next year
18	40/2	Char donai Mouza	Ongoing	1.450	21.550	23.000	Resectioning	No	NA	41,856	41,000	1.450	0.000			97.95%		90.12%	Work in Progress
19	40/2	Char donai Mouza	Yet to start	4.520	23.000	27.520	Resectioning		LGED Road										LGED Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
20	40/2	Hoglapasha	Yet to start	4.715	27.520	32.235	Resectioning		RHD Road										RHD Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
21	40/2	Hatempur & Boraitola	Yet to start	1.765	32.235	34.000	Resectioning		Pourashava Carpeting Road										Pourashava Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
22	40/2	Pathargata Mouza	Yet to start	0.200	34.000	34.200	Resectioning		Pourashava cc Road										Pourashava cc Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
Total Polder-40/2				34.200						1,251,063	220,374	4.15	6.290	44,936	33,456	17.61%		16.21%	

**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)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 Jan 2020	Remarks
<b>Polder-41/1</b>																			
1	41/1	Ayla Patakata UP	Ongoing	2.250	0.000	2.250	Resectioning	No	N/A	57,203	26,000	1.000	1.250			45.45%		41.82%	Work in Progress
2	41/1	Burir Char UP	Yet to start	0.750	2.250	3.000	Resectioning	RHD Road	NA									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.
3	41/1	Burir Char UP	Yet to start	2.250	3.000	5.250	Retired	No	N/A	197,000	10,000	0.000	0.350					0.00%	Program for next year. Shop drawing is under process
4	41/1	Burir Char UP	Yet to start	7.550	5.250	12.800	Resectioning	No	N/A	188,475	132,500	0.00	7.730		0			0.00%	Work in Progress
5	41/1	Burir Char UP	Yet to start	0.950	12.800	13.750	Resectioning	No	N/A	51,709	40,000	0.00	0.950					0.00%	Work in Progress
6	41/1	Burir Char UP	Yet to start	0.250	13.750	14.000	Resectioning	No	N/A	15,663								0.00%	Program for next year.
7	41/1	Burir Char UP	Yet to start	4.650	14.000	18.650	Resectioning	No	NA	78,864						0.00%	0.00%	0.00%	Program for next year.
8	41/1	Burir Char UP	Yet to start	2.050	18.650	20.700	Resectioning	Pourashava Road	NA									0.00%	Pourashava Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by RHD Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
10	41/1	Burir Char UP	Yet to start	6.560	20.700	27.260	Resectioning	RHD Road	NA									0.00%	Program for next year. Shop drawing is under process
11	41/1	Burir Char UP	Yet to start	6.000	27.260	33.260	Resectioning	No	N/A									0.00%	Program for next year. Shop drawing is under process
12	41/1	Burir Char UP	Yet to start	0.311	33.260	33.571	Resectioning	No	N/A									0.00%	Program for next year. Shop drawing is under Preparation
Total Polder-41/1				33.571						588,914	208,500	1.00	10.28	0.00	0.00				
<b>Polder-43/2C</b>																			
1	43/2C	Suhari	Yet to start	0.074	0.000	0.074	Resectioning	RHD Road	NA	2,832						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.
2	43/2C	Bauria	Ongoing	0.851	0.074	0.925	Resectioning	Yes	Ministry of Land	42,009	2,500	0.000	0.300			5.95%		5.48%	Work in Progress
3	43/2C	Bauria	Ongoing	0.400	0.925	1.325	Resectioning	Yes	Waiting for DLAC	12,341	12,341	0.400	0.400		0	100.00%	0.00%	92.00%	Work in Progress
4	43/2C	Gabua	Ongoing	2.703	1.325	4.028	Resectioning	Yes	Waiting for DLAC	74,670	13,500		0.865			18.08%	0.00%	16.63%	Work in Progress
5	43/2C	Boro Gabua	Yet to start	0.872	4.028	4.900	Resectioning	LGED Road	NA									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.
6	43/2C	Boro Gabua	Ongoing	0.950	4.900	5.850	Resectioning	Yes	Waiting for DLAC	22,817	17,700		0.950			77.57%	0.00%	71.37%	Work in Progress
7	43/2C	Boro Gabua	Yet to start	1.650	5.850	7.500	Resectioning	LGED Road	NA									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.
8	43/2C	Golkhali	Ongoing	5.690	7.500	13.190	Resectioning	Yes	Ministry of Land	124,952	40,000	1.500	1.600			32.01%	0.00%	29.45%	Work in Progress
9	43/2C	East Golkhali	Yet to start	0.148	13.190	13.338	Resectioning	Yes	Notice Section-4 Served									0.00%	Program for next year
10	43/2C	East Golkhali	Yet to start	0.577	13.338	13.915	Retired	Yes	Notice Section-4 Served									0.00%	Program for next year
11	43/2C	East Golkhali & Badar pur	Yet to start	3.855	13.915	17.770	Resectioning	Yes	Notice Section-4 Served									0.00%	Program for next year
12	43/2C	Kalirchar	Yet to start	0.330	17.770	18.100	Resectioning	Yes	Ministry of Land									0.00%	Program for next year
13	43/2C	Suhaninj Char	Yet to start	2.600	18.100	20.700	Resectioning	Yes	Proposal under Preparation									0.00%	Program for next year
14	43/2C	Suhaninj Char	Ongoing	1.700	20.700	22.400	Resectioning	Yes	Proposal under Preparation	64,993	21,925	0.500	0.400			33.73%	0.00%	31.04%	Work in Progress
15	43/2C	Suhaninj Char	Yet to start	0.760	22.400	23.160	Resectioning	Yes	Ministry of Land										Program for next year
16	43/2C	Suhari	Yet to start	1.990	23.160	25.150	Resectioning	Yes	Waiting for DLAC										Program for next year
17	43/2C	Suhari	Yet to start	0.355	25.150	25.505	RHD Road	RHD Road	NA										RHD Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
Total Polder-43/2C				25.505						344,614	107,966	2.400	4.515	-	-				



**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)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (SqM)	Completed Dressing and turfing (SqM)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 Jan 2020	Remarks	
<b>Polder-47/2</b>																				
1	47/2	Piarpur	Ongoing	2.000	0.000	2.000	Resectioning	No	NA	9,178	9,178	2.00	0.000	14278	12061	100.00%	84.47%	98.76%	Work completed	
2	47/2	Piarpur	Yet to start	0.613	2.000	2.613	Retired	Yes	Estimate is under preparation	21,051									Program for next Year	
3	47/2	Piarpur	Ongoing	1.558	2.613	4.171	Resectioning	No	NA	25,455	25,455	1.56	0.000	31631	26660	100.00%	84.28%	98.74%	Work completed	
4	47/2	Kichikata	Ongoing	2.000	4.171	6.171	Resectioning	No	NA	19,573	17,616	1.83	0.000	24589	20700	90.00%	84.18%	89.54%	Work completed	
5	47/2	Kichikata	Yet to start	0.518	6.171	6.689	Retired	Yes	Estimate is under preparation	16,397									Program for next year	
6	47/2	Kichikata	Ongoing	0.561	6.689	7.250	Resectioning	No	NA	13,971	12,547	0.56	0.000	41230	35001	89.81%	84.89%	89.41%	Work completed	
7	47/2	Thankhola	Ongoing	10.250	7.250	17.500	Resectioning	No	NA	65,496	58,946	10.25	0.000	102511	86500	90.00%	84.38%	89.55%	Work completed	
Total Polder-47/2				17.500						171,121	123,742	16.20	0.000	214,239	180,922	72.31%	84.45%	73.28%		
<b>Polder-48</b>																				
1	48	Khajura	Yet to start	0.534	0.000	0.534	Resectioning	No	NA	11,475									Program for next year.	
2	48	Tolatali, Chapali & Char Chapli	Yet to start	15.600	0.534	16.134	Resectioning	LGED Road	NA										LGED Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.	
3	48	Char Chapali	Ongoing	0.316	16.134	16.450	Resectioning	No	NA	5,513	5,513	0.316	0.000	0	0	100.00%	0.00%	92.00%	Work in Progress	
4	48	Ashakhali	Ongoing	0.685	16.450	17.135	Resectioning	No	NA	115,564	92,000	0.00	0.685	0	0	79.61%	0.00%	73.24%	Work in Progress	
5	48	Ashakhali	Yet to start	12.315	17.135	29.450	Resectioning	No	NA	1,344,805									Program for next year	
6	48	Kuakata Beach	Yet to start	0.825	29.450	30.275	Resectioning	LGED Road	NA	32,390									LGED Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.	
7	48	Do	Yet to start	0.180	30.275	30.455	Resectioning	RHD Road	NA	7,067									RHD Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.	
8	48	Do	Yet to start	0.197	30.455	30.652	Resectioning	No	NA	10,496									Program for next year	
9		Do	Ongoing	0.148	30.652	30.800	Resectioning	No	NA	7,392	5,174	0.00	0.148			69.99%	0.00%	64.40%	Work in Progress	
10	48	Do	Yet to start	0.950	30.800	31.750	Resectioning	No	NA	30,562	24,450	0.00	0.950						Work in Progress	
11	48	Do	Yet to start	2.550	31.750	34.300	Resectioning	No	NA	125,140						0.00%	0.00%	0.00%		
12	48	Do	Ongoing	0.250	34.300	34.550	Resectioning	No	NA	25,871	25,871	0.250		3,277	3,113	100.00%	95.00%	99.60%	Work in Progress	
13	48	Do	Yet to start	0.328	34.550	34.878	Resectioning	No	NA	23,428	11,714	0.000	0.100						Work in Progress	
14	48	Khajura	Yet to start	3.122	34.878	38.000	Resectioning	No	NA	273,065									Program for next year	
Total Polder-48				38.000						2,012,768	164,722	0.566	1.883	3,277	3,113	8.18%		7.53%		
Grand Total of Package-2				208.026						6317797.67	831304.00	24.615	23.368	262,452.00						

N.B: The progress of Construction / Re-Sectioning of Embankment in Package-2 is in a preliminary stage for Land Problem. Hence, the chainages of embankment so far started has been incorporated in the above table and the remaining chainage may be treated as untouched.

**Table 3-59: Detailed Information of 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 31 Jan 2020	Remarks
<b>Package 2</b>									
1	39/2C	Chokeydev Khal	Yet to Start	5.50	0.000	28453.29		0%	Proposed DS have still not completed for which the connecting diversion channel has not yet been taken up.
2	39/2C	Pona Khal	Yet to Start	20.00	0.000	102282.25		0%	Do
3	39/2C	Bakshi Khal Br. 2	Yet to Start	3.00	0.000	15519.98		0%	Do
4	39/2C	Dasher Khal	Yet to Start	3.75	0.000	19399.97		0%	Do
5	39/2C	Juniher Khal	Yet to Start	3.00	0.000	15519.98		0%	Do
6	39/2C	Teli Khali Khal	Yet to Start	4.50	0.000	23279.97		0%	Do
7	39/2C	Chakluia Khal	Yet to Start	5.50	0.000	28453.29		0%	Do
8	39/2C	Hetalia Khal	Yet to Start	3.50	0.000	18106.64		0%	Do
9	39/2C	Nodmollar Khal	Yet to Start	4.00	0.000	20693.30		0%	Do
10	39/2C	Dagrey Khal	Yet to Start	2.00	0.000	10346.65		0%	Do
11	39/2C	Bauner Khal	Yet to Start	2.48	0.000	12829.85		0%	Do
12	40/2	Mutainer Khal	Yet to Start	2.40	0.000	42571.38		0%	Program for next year
13	40/2	Keoratala Khal	Completed	1.829	1.829	36574.00	35,558.00	100%	Work in Progress
14	41/1	Lobongla Khal	Yet to Start	4.073	0.000	14393.64		0%	Next year program
15	41/1	Charnalar Khal	Ongoing	1.260	1.110	18345.000	16,323.00	88%	Work in Progress
16	41/1	Burirchar Khal	Yet to Start	6.930	0.000	38439.50		0%	Next year program
17	41/1	Lobongla Khal Br. 1	Yet to Start	4.390	0.000	161561.13		0%	Next year program
18	41/1	Napit Khali Khal	Ongoing	1.813	1.713	23564.00	21,848.00	94%	Work in Progress
19	41/1	Choto Lobongla Khal	Yet to Start	4.667	0.000	15440.15		0%	Next year program
20	43/2C	Chadkokai Khal	Yet to Start	2.540	0.000	52809.00		0%	Proposed DS have still not completed for which the connecting diversion channel has not yet been taken up.
21	43/2C	Jamaluddin Khal	Yet to Start	3.961	0.000	13549.81		0%	Do
22	43/2C	Mushir Khal - 01	Yet to Start	6.793	0.000	29157.81		0%	Do
23	43/2C	Mushir Khal	Yet to Start	2.448	0.000	1029.10		0%	Do
24	43/2C	Pollar Khal	Yet to Start	2.338	0.000	8575.83		0%	Do
25	43/2C	Rishir Khal	Yet to Start	1.966	0.000	5145.50		0%	Do
26	43/2C	Taltola Khal	Completed	2.440	2.440	35,930.84	35,715.00	100%	Work in Progress
27	43/2C	Golkhali Khal	Yet to Start	5.669	0.000	20,736.35		0%	Next year program
28	47/2	Eidkhola Khal	Completed	0.676	0.676	8,019.00	8,019.00	100%	Completed
29	47/2	Kichikata Khal	Completed	1.700	1.700	13,607.00	13,607.00	100%	Work in Progress
30	47/2	Dhankhola Khal	Ongoing	4.791	4.780	53,943.00	53,943.00	100%	Work in Progress
31	47/2	Piarpur Khal	Completed	2.000	2.000	29,714.00	29,714.00	100%	Completed
32	48	Khanjurpara Khal	Yet to Start	7.465	0.000	95,332.88		0%	Land Problem
33	48	Matiranga Khal	Yet to Start	1.925	0.000	9,748.59		0%	Next year program
34	48	Loxir Khal	Yet to Start	7.000	0.000	2,420.00		0%	Next year program
35	48	Nayapara Khal - 1	Yet to Start	4.057	0.000	42,061.25		0%	Next year program
36	48	Tolatali Khal	Yet to Start	5.723	0.000	54,469.25		0%	Next year program
37	48	Charchapali Khal	Completed	2.472	2.472	26,483.00	26,483.00	100%	Work in Progress
38	48	Kauarchar Khal	Yet to Start	1.000	0.000	7,818.25		0%	Next year program
39	48	Kalaipara Khal	Completed	0.350	0.350	9,547.58	9,547.58	100%	Work in Progress
40	48	Goramkhula Khal	Yet to Start	2.726	0.000	30,376.72		0%	Next year program
<b>Total</b>				<b>154.632</b>	<b>19.070</b>	<b>1,196,248.725</b>	<b>250,757.580</b>		

**Table 3-60: Detailed Information of Construction Status of Drainage Sluice for Package-2**

#	Type of HS	Sluice Name	Polder	Status of Work	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress (31 Jan 2020)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Drainage Sluice</b>													
1	DS	DS-1	39/2C	Yet to be start					0.00%	Y	Taka Deposited to DC		Due to land problem work not yet started
2	DS	DS-2	39/2C	Yet to be start					0.00%	Y	do		Due to land problem work not yet started
3	DS	DS-3	39/2C	Yet to be start					0.00%	Y	do		Due to land problem work not yet started
4	DS	DS-4	39/2C	Yet to be start					0.00%	Y	do		Due to land problem work not yet started
5	DS	DS-5	39/2C	Yet to be start					0.00%	Y	do		Due to land problem work not yet started
6	DS	DS-6	39/2C	Yet to be start					0.00%	Y	do		Due to land problem work not yet started
7	DS	DS-7	39/2C	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
8	DS	DS-8	39/2C	Yet to be start					0.00%	Y	Taka Deposited to DC		Due to land problem work not yet started
9	DS	DS-9	39/2C	Yet to be start					0.00%	Y	do		Land problem issue has not yet been resolved
10	DS	DS-10	39/2C	Ongoing	100%	100%			30.00%	Y	do		Work in progress
11	DS	DS-11	39/2C	Ongoing	100%	100%	25%		43.75%	Y	do		Work in progress
12	DS	DS-12	39/2C	Ongoing	100%	100%	100%		85.00%	N	NA		Work stopped from July, 2018
13	DS	DS-13	39/2C	Yet to be start					0.00%	Y	Taka Deposited to DC		Land problem issue has not yet been resolved
14	DS	DS-2	40/2	Ongoing	100%	100%	100%	25%	88.75%	N	NA		Work in progress
15	DS	DS-3	40/2	Ongoing	100%	100%	100%	40%	91.00%	N	NA		Work in progress
16	DS	DS-5	40/2	Ongoing	100%	100%	99%		84.45%	N	NA		Work in progress
17	DS	DS-7	40/2	Yet to be start					0.00%	Y	do		Due to court case work not yet started
18	DS	DS-7A	40/2	Ongoing	100%	100%	10%		35.50%	Y			Work in progress
19	DS	DS-8	40/2	Yet to be start					0.00%	Y	Court case		Due to court case work not yet started
20	DS	DS-9	40/2	Yet to be start					0.00%	N	Court case		Due to court case work not yet started
21	DS	DS-10	40/2	Ongoing	100%	100%	40%		52.00%	N	NA		Work in progress
22	DS	DS-10A	40/2	Yet to be start					0.00%	Y	Court case		Due to court case work not yet started
23	DS	DS-1	41/1	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
24	DS	DS-2	41/1	Yet to be start					0.00%	Y			Resettlement issue has not yet been resolved
25	DS	DS-3	41/1	Yet to be start					0.00%	Y			Resettlement issue has not yet been resolved
26	DS	DS-4	41/1	Ongoing	100%	100%	73%		70.15%	Y			Work in progress
27	DS	DS-5	41/1	Ongoing	100%	100%	100%	45%	91.75%	N	NA		Work in progress
28	DS	DS-6	41/1	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
29	DS	DS-7	41/1	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
30	DS	DS-8	41/1	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
31	DS	DS-9	41/1	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
32	DS	DS-10	41/1	Ongoing	100%	100%	10%		35.50%	N	NA		Work in progress
33	DS	DS-1	43/2C	Ongoing	50%				5.00%	N	NA		Program for next dry season
34	DS	DS-2	43/2C	Yet to be start					0.00%	Y	Ministry of Land		Land problem issue has not yet been resolved
35	DS	DS-3	43/2C	Ongoing	100%	100%	25%		43.75%	N	NA		Work in progress
36	DS	DS-4	43/2C	Yet to be start					0.00%	N	NA		Program for next dry season
37	DS	DS-5	43/2C	Ongoing	100%	100%	5%		32.75%	N	NA		Work in progress
38	DS	DS-6	43/2C	Yet to be start					0.00%	Y	Ministry of Land		Land & Resettlement issue has not yet been resolved
39	DS	DS-7	43/2C	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
40	DS	DS-8	43/2C	Ongoing	100%	100%	5%		32.75%	N	NA		Program for next
41	DS	DS-1	47/2	Ongoing	100%	100%	100%	50%	92.50%	N	NA		Work in progress
42	DS	DS-2	47/2	Ongoing	100%	100%	100%	50%	92.50%	N	NA		Work in progress
43	DS	DS-3	47/2	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
44	DS	DS-4	47/2	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
45	DS	DS-1	48	Ongoing	100%	100%	100%	50%	92.50%	N	NA		Work in progress
46	DS	DS-2/A	48	Ongoing	100%	100%	52%		58.60%	Y			Work in progress
47	DS	DS-3/2	48	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
48	DS	DS-3/3	48	Ongoing	100%	100%	60%		63.00%	Y			Work in progress
49	DS	DS-3/4	48	Ongoing	100%	100%	100%		85.00%	N	NA		Work in progress
50	DS	DS-6	48	Ongoing	100%	100%			30.00%	Y	Waiting for DLAC		Land problem issue has not yet been resolved

**Table 3-61: Detailed Information of Construction Status of Flushing Sluice for Package-2**

#	Type of HS	Sluice Name	Polder	Status of Work	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation block placing - Gate	CC	Weighted % progress (31 Jan 2020)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Flushing Sluice</b>														
1	FS	FS-1	39/2C	Yet to be start						0.00%	Y	Taka Deposited to DC		Land problem issue has not yet been resolved
2	FS	FS-2	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
3	FS	FS-2/1	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
4	FS	FS-3	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
5	FS	FS-5	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
6	FS	FS-6	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
7	FS	FS-6/1	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
8	FS	FS-6/2	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
9	FS	FS-7	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
10	FS	FS-8	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
11	FS	FS-9	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
12	FS	FS-10	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
13	FS	FS-11	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
14	FS	FS-12	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
15	FS	FS-13	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
16	FS	FS-14	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
17	FS	FS-14/1	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
18	FS	FS-15	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
19	FS	FS-16	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
20	FS	FS-17	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
21	FS	FS-17/1	39/2C	Yet to be start						0.00%	Y	do		Land problem issue has not yet been resolved
22	FS	FS-4/1	40/2	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
23	FS	FS-9	40/2	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
24	FS	FS-10	40/2	Ongoing	100%	100%	99%			84.45%	N	NA		Work in progress
25	FS	FS-1	41/1	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
26	FS	FS-3	41/1	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
27	FS	FS-5	41/1	Ongoing	80%					8.00%	N	NA		Next Year program
28	FS	FS-6	41/1	Ongoing	100%	100%	60%			63.00%	Y			Work in progress
29	FS	FS-7	41/1	Yet to be start						0.00%	Y			Land problem issue has not yet been resolved
30	FS	FS-8	41/1	Ongoing	100%	100%	100%	37%		90.55%	N	NA		Work in progress
31	FS	FS-9	41/1	Ongoing	100%	100%	100%	50%		92.50%	N	NA		Work in progress
32	FS	FS-15	41/1	Ongoing	100%	100%	100%	25%		88.75%	N	NA		Work in progress
22	FS	FS-24	41/1	Yet to be start						0.00%	Y			Re-Settlement problem
23	FS	FS-25	41/1	Yet to be start						0.00%	Y			Re-Settlement problem
24	FS	FS-28	41/1	Ongoing	100%	100%	53%			59.15%	Y			Work in progress
25	FS	FS-1	43/2C	Yet to be start						0.00%	N	NA		Program for next dry season
26	FS	FS-1A	43/2C	Ongoing	10%					1.00%	Y			Work started but stopped due to land problem
27	FS	FS-8	43/2C	Ongoing	100%	60%				22.00%	Y	Notice Section-4 Served		Land problem issue has not yet been resolved
28	FS	FS-10	43/2C	Ongoing	100%	100%	95%			82.25%	Y	N/A		Work in progress
29	FS	FS-12	43/2C	Yet to be start						0.00%	Y	Notice Section-4 Served		Land problem issue has not yet been resolved
30	FS	FS-13	43/2C	Yet to be start						0.00%	N	NA		Program for next year
31	FS	FS-18	43/2C	Ongoing	100%	100%	95%			82.25%	Y	N/A		Work in progress
32	FS	FS-1	47/2	Ongoing	100%	100%	100%	50%		92.50%				Work in progress
33	FS	FS-6	47/2	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
34	FS	FS-7	47/2	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
35	FS	FS-1	48	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
36	FS	FS-3	48	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
37	FS	FS-4	48	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress

Table 3-62: Detailed Information of Repair of Drainage & Flushing Sluice for Package-2

#	Type of HS	Sluice Name	Polder	Status of Work	Preparation cofferdam - excavation - dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress (30 Jan 2020)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Repair of Drainage Sluices</b>													
1	DS	DS-1	40/2	Yet to start					0.00%	N	NA		Work in progress
2	DS	DS-4	40/2	Yet to start					0.00%	N	NA		Work in progress
3	DS	DS-6	40/2	Ongoing	5%		75%		41.75%	N	NA		Work in progress
4	DS	DS-3/1	48	Yet to start					0.00%	N	NA		Work in progress
5	DS	DS-4	48	Yet to start					0.00%	N	NA		Resettlement issue has not yet been resolved
6	DS	DS-5	48	Ongoing	100%	100%	20%		41.00%	N	NA		Work in progress
<b>Repair of Flushing Sluice</b>													
1	FS	FS-1	40/2	Yet to start					0.00%	N	NA		Next year Program
2	FS	FS-2	40/2	Ongoing	100%	100%	50%		57.50%	N	NA		Work in progress
3	FS	FS-4	40/2	Yet to start					0.00%				Next year Program
4	FS	FS-6	40/2	Ongoing	100%	100%	60%		63.00%	N	NA		Work in progress
5	FS	FS-6/1	40/2	Yet to start					0.00%				Next year Program
6	FS	FS-14	40/2	Yet to start					0.00%	N	NA		Shop drawing is under process of approval
7	FS	FS-16	40/2	Yet to start					0.00%				Next year Program
8	FS	FS-18	40/2	Yet to start					0.00%	N	NA		Shop drawing is under process of approval
9	FS	FS-19	40/2	Ongoing	100%	100%	15%		38.25%	N	NA		Work in progress
10	FS	FS-20	40/2	Yet to start					0.00%				Next year Program
11	FS	FS-22	40/2	Yet to start					0.00%				Next year Program
12	FS	FS-2	41/1	Completed	100%	100%	100%	100%	100.00%	N	NA		Work in progress
13	FS	FS-4	41/1	Yet to start					0.00%				Next year Program
14	FS	FS-11	41/1	Yet to start					0.00%				Next year Program
15	FS	FS-13	41/1	Yet to start					0.00%				Next year Program
16	FS	FS-16	41/1	Yet to start					0.00%				Next year Program
17	FS	FS-18	41/1	Ongoing	100%	100%	70%		68.50%	N	NA		Shop drawing is under process of approval
18	FS	FS-19	41/1	Yet to start					0.00%	N	NA		Shop drawing is under process of approval
19	FS	FS-21	41/1	Yet to start					0.00%	Y			Re-Settlement problem
20	FS	FS-22	41/1	Yet to start					0.00%	Y			Re-Settlement problem
21	FS	FS-23	41/1	Yet to start					0.00%	Y			Re-Settlement problem
22	FS	FS-30	41/1	Yet to start					0.00%				Next year Program
23	FS	FS-29	41/1	Yet to start					0.00%	N	NA		Next year Program
24	FS	FS-2	43/2C	Yet to start					0.00%				Next year Program
25	FS	FS-6	43/2C	Yet to start					0.00%				Next year Program
26	FS	FS-7	43/2C	Yet to start					0.00%				Next year Program
27	FS	FS-9	43/2C	Yet to start					0.00%				Next year Program
28	FS	FS-14	43/2C	Yet to start					0.00%				Next year Program
29	FS	FS-15	43/2C	Yet to start					0.00%				Next year Program
30	FS	FS-16	43/2C	Yet to start					0.00%				Next year Program
31	FS	FS-2	47/2	Ongoing	100%	100%	80%		74.00%				Next year Program
32	FS	FS-4	47/2	Ongoing	100%	100%	80%		74.00%				Next year Program

Table 3-63: Detailed Information Slope Protection Work for Package-2

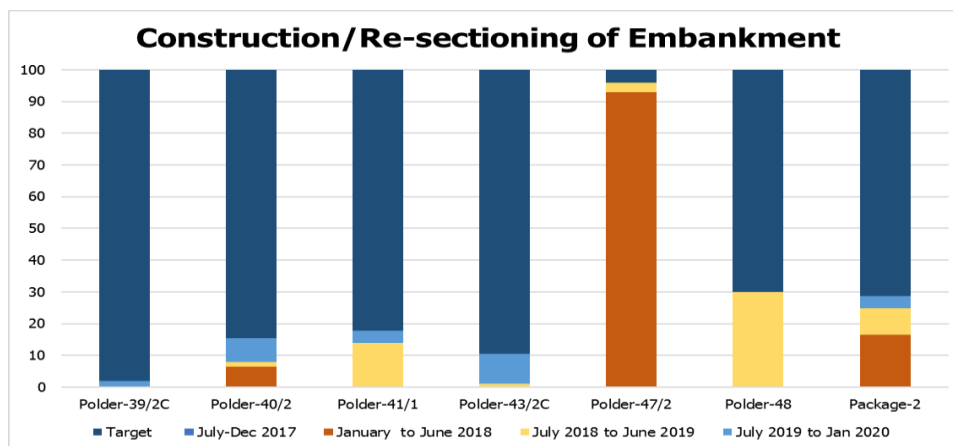
#	Polder #	Length (Km)	Status of Work	Starting Chainage (Km)	End Chainage (Km)	LA Problem	LA - Current Status	Mobilization	Production of CC Blocks	Placing of CC block	Other related work	Completed Length (km)	Status as of 30 Jan. 2020	Remarks
<b>Package 2</b>														
								3%	77%	9%	11%			
1	39/2C	4.000	Yet to Start	24.000	51.000	Y	Taka Deposited to DC					0.000	0%	Embankment Construction not done
2	40/2	0.400	Ongoing	1.240	1.640	Y	Possession received	20%	40%			0.000	31%	Embankment Construction not done
3	40/2	0.129	Yet to Start	12.871	13.000	Y	Possession received					0.000	0%	Embankment Construction not done
4	40/2	0.393	Ongoing	13.184	13.577	Y	Possession received	100%	100%			0.000	80%	Work in progress
5	40/2	0.215	Yet to Start	13.745	13.960	Y	Possession received					0.000	0%	Embankment Construction not done
6	43/2C	0.078	Yet to Start	19.885	19.963	Y	Proposal under Preparation					0.000	0%	Embankment Construction not done
7	43/2C	0.090	Yet to Start	19.680	19.770	Y	Proposal under Preparation					0.000	0%	Embankment Construction not done
8	43/2C	0.093	Yet to Start	19.460	19.553	Y	Proposal under Preparation					0.000	0%	Embankment Construction not done
9	48	0.472	Ongoing	30.800	31.272	N	NA	50%	30%	2%	70%	0.000	32%	Embankment Construction not done
10	48	0.089	Yet to Start	31.272	31.361	N	NA					0.000	0%	Embankment Construction not done
11	48	0.727	Yet to Start	31.361	32.088	N	NA					0.000	0%	Embankment Construction not done
12	48	2.289	Yet to Start	32.088	34.377	N	NA					0.000	0%	Embankment Construction not done
13	48	0.501	Ongoing	34.377	34.878	N	NA	100%	100%	100%	80%	0.250	98%	Work in progress
	<b>Total</b>	<b>9.476</b>										<b>0.250</b>	<b>18.59%</b>	

**Table 3-64: Detailed Information Bank Protection Work for Package-2**

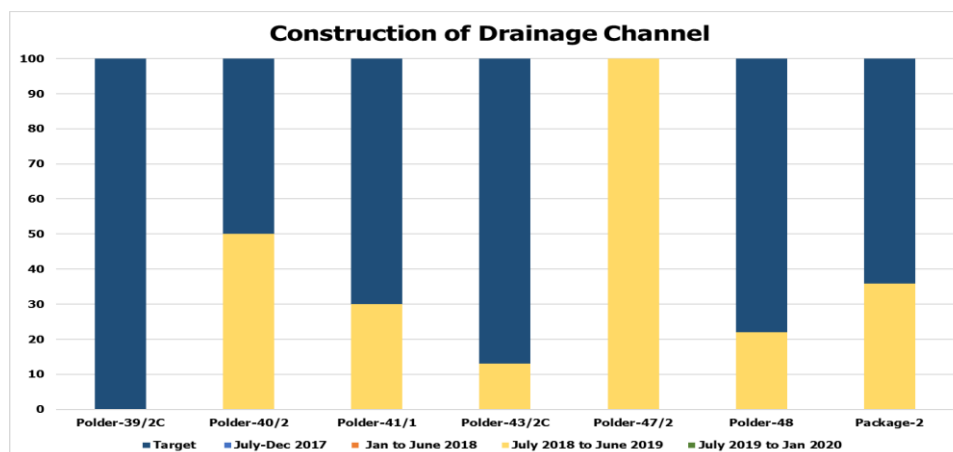
#	Polder	Length (Km)	Status of Work	Starting Chainage (Km)	End Chainage (Km)	Mobilization	Production of CC Blocks	Placing of CC block	Other related work	Completed Length (km)	Status as of 30 Jan. 2020	Remarks
Package 2						3%	85%	9%	3%			
1	39/2C	1.000	Ongoing	42.600	43.600	100%	100%	100%	50%	0.810	99%	Work in progress
2	39/2C	2.500	Ongoing	51.500	54.000	100%	100%	75%	50%	2.070	96%	Work in progress
3	41/1	0.000	Yet to Start	3.300	3.600					0.000	0%	Section is dropped by the Engineer vide memo no. L001994
4	41/1	0.000	Yet to Start	5.050	5.225					0.000	0%	Section is dropped by the Engineer vide memo no. L001994
5	41/1	0.400	Ongoing	13.250	13.650	100%	60%	40%	20%	0.210	58%	Work in progress
6	43/2C	0.500	Yet to Start	13.420	13.920					0.000	0%	Next year program
7	47/2	0.520	Ongoing	6.170	6.690	100%	60%	15%	15%	0.260	56%	Work in progress
<b>Total</b>		<b>4.920</b>								<b>3.350</b>	<b>68.09%</b>	

**Table 3-65: 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 Jan 2020)	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				0%	N	NA	Next year Program after completion of adjacent sluice
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	Hetalia 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 3-54: Construction / Re-sectioning of Embankment of Package-2**



**Figure 3-55: Construction of Drainage Channel of Package-2**

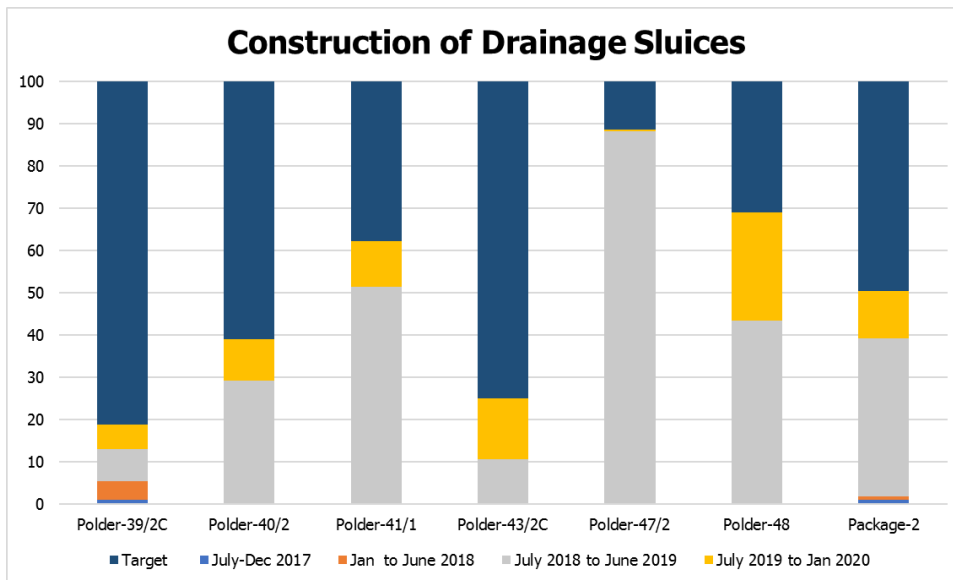


Figure 3-56: Construction of Drainage Sluice of Package-2

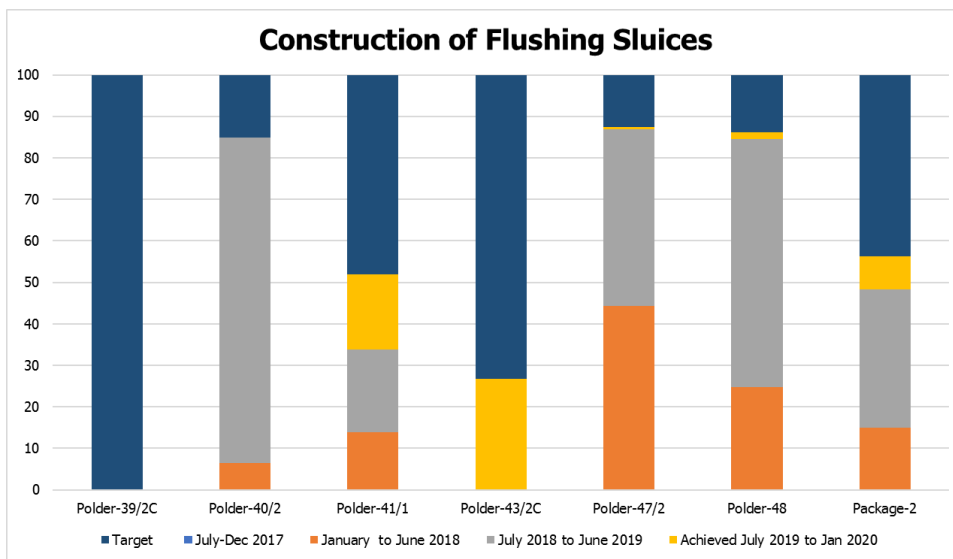


Figure 3-57: Construction of Flushing Sluice of Package-2

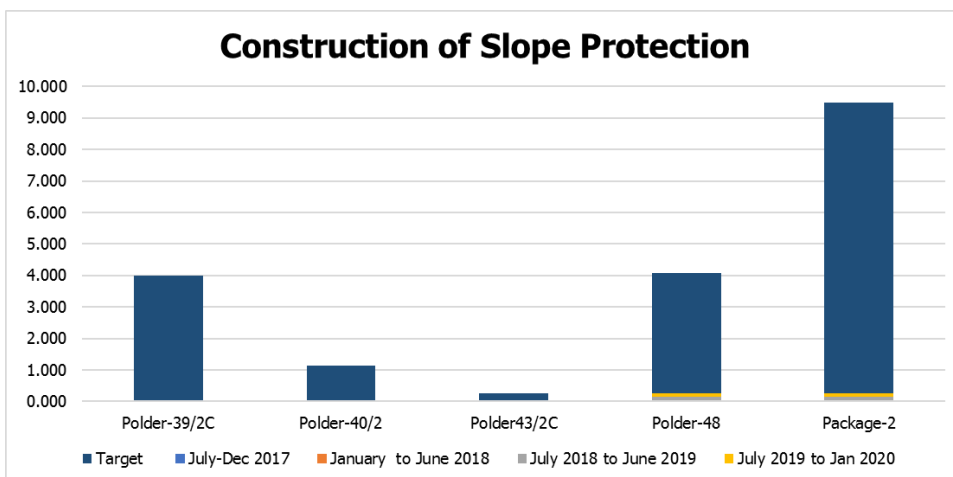


Figure 3-58: Construction of Slope Protection of Package-2

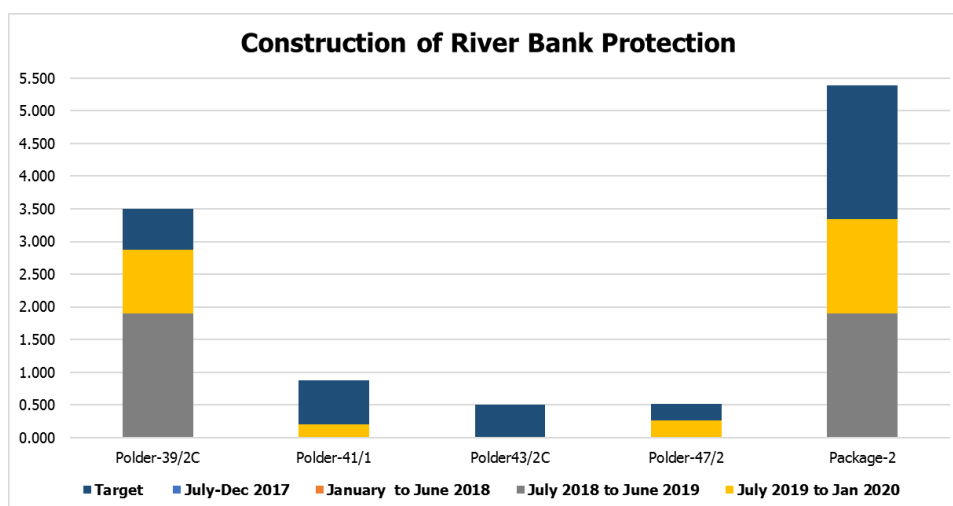


Figure 3-59: Construction of River Bank Protection of Package-2

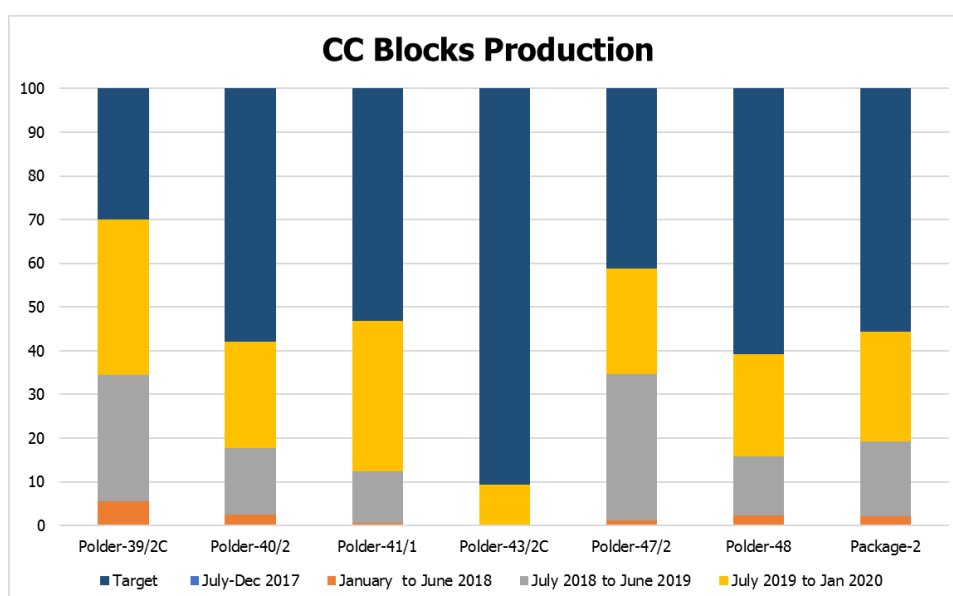


Figure 3-60: CC Blocks Production of Package-2

Table 3-66: CC Blocks Production as on January 2020

S.N.	Polder Number	Quantity as per Zero Cost Variation (upto VO No. 01)	Cumulative Total as of 30 December 2019	Production during January 2020						Cumulative Total as of 31 January 2020	
				40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	30x60x40 (No)	30x60x60 (No)		Total (No)
1	39/2C	5,985,778	4,111,287	45,969	0	0	34226	0	0	80,195	4,191,482
2	40/2	429,969	174,694	6,216	0	0	0	0	0	6,216	180,910
3	41/1	577,846	267,933	3,053	0	0	0	0	0	3,053	270,986
4	43/2C	435,342	26,128	14,126	0	489	0	0	0	14,615	40,743
5	47/2	482,227	257,695	24,697	0	0	61	0	0	24,758	282,453
6	48	539,493	212,963	0	0	0	0	0	0	0	212,963
	<b>Total =</b>	<b>8,450,654</b>	<b>5,050,700</b>	<b>94,061</b>	<b>0</b>	<b>489</b>	<b>34,287</b>	<b>0</b>	<b>0</b>	<b>128,837</b>	<b>5,179,537</b>

### 3.5.3 Advance Payments

The Contractor has received 2<sup>nd</sup> instalment of 5% Advance Payment having Total expenditure incurred against advance payment is BDT: 1028.40 M.

The site works of Package-2 are going on with sufficient machineries and equipment.



The deployment list of contractor staff (Chinese People) is appended below in Table 3-67. The Contractor has established their site offices at Bhandaria, Kalapara, Barguna, Patharghata and their field head quarter at Patuakhali.

Table 3-67: Contractor Staffs available in Package-2

S N	Description	Total Nos.	Dhaka	P'khali	Polder - 39/2C	Polder -40/2	Polder-41/1	Polder-43/2C	Polder-47/2	Polder-48
1	Management	7	2	3	2	0	0	0	0	0
2	Technical Staff	165	2	0	49	12	25	19	4	54
3	Admin/Support	39	1	0	15	3	10	2	2	6
4	Operator/Driver	250	2	2	86	42	28	38	9	43
5	Skilled Labour	319	0	1	96	29	84	47	34	28
6	Unskilled Labour	666	2	2	80	132	122	108	58	162
<b>Total</b>		<b>1446</b>	<b>9</b>	<b>8</b>	<b>328</b>	<b>218</b>	<b>269</b>	<b>214</b>	<b>107</b>	<b>293</b>

### 3.5.4 Equipment mobilization

Equipment including, machines, tools, barges, etc. have been purchased and deployed at site. Equipment including Excavators, Dump trucks, Rollers, Pay Loaders, Automated CC Block manufacturing plants and Tippers are at site.

The target of the 1<sup>st</sup> dry season is to manufacture CC block in connection with River Bank Protection work. Thus 5 nos. automated CC block manufacturing Machines are installed at the CC blocks manufacturing Yard in Polder-39/2C. Some CC block will also be manufactured manually, for which CC block manufacturing started in Polder-40/2, Polder-41/1, Polder-43/2C, Polder-47/2, & Polder-48. A length of 24.615 km full and 23.268 km Partially Embankment Re-sectioning work has been completed. Construction of 21nos. Flushing Sluices and 32nos. Drainage Sluices are in Progress.

Table 3-68: Mobilisation List of Equipment for Package-2

	Description	Polder:						Total	Remarks
		39/2C	40/2	41/1	43/2C	47/2	48		
1	Bulldozer	0	1	1	1	2	2	7	
2	Excavator	5	9	10	2	3	7	36	
3	Loader	10	3	2	1	2	3	21	
4	Compaction Roller	1	1	1	-	-	1	4	
5	Water Tanker	1	1	1	-	1	1	5	
6	Fork Lift	61	-	2	-	1	2	66	
7	Dump Truck	16	14	11	3	8	26	78	
8	Pick Up	1	-	1	-	-	-	3	1nos. Patuakhali
9	Light Truck	2	-	1	-	1	-	4	
10	Flat Truck	3	2	3	-	1	2	11	
11	Crane Truck	1	-	-	-	-	-	1	
12	Lorry-Mounted Crane	-	-	1	-	1	1	3	
13	Diesel Tanker	1	-	1	-	1	1	4	
14	Hydraulic Breaking Hammer	1	-	1	-	1	-	3	
15	Belt Conveyor	6	-	-	-	1	1	8	
16	CC Block Manufacturing Machine	5	-	-	-	-	-	5	
17	Concrete Transportation Pump	1	2	-	-	-	1	4	

	Description	Polder:						Total	Remarks
		39/2C	40/2	41/1	43/2 C	47/ 2	48		
18	Concrete Mixing Plant	0	1	1	-	-	2	4	
19	Concrete Mixer	4	9	9	4	12	13	51	
20	Steel Bar Bending Machine	1	1	1	-	1	1	5	
21	Steel Bar Cutting Machine	1	1	1	-	1	1	5	
22	Boat	3	-	1	-	1	-	5	
23	Tugboat	3	-		-	-	-	3	
24	Barge	3	-		-	-	-	3	
25	Motorcycle	2	4	1	2	3	4	16	
26	Generator	13	9	11	3	5	9	50	
27	Air Compressor	5	1	1	1	2	2	12	
28	Level Machine	1	2	2	1	1	1	8	
29	GPS	3	3	1	2	1	2	12	
30	Total Station	1	0			-	-	1	
31	Deep Water Measuring Instrument	1	1	-	-	-	-	1	
32	Submersible Pump	19	16	32	6	25	9	107	
33	Slush Pump	24	3	6	-	17	11	61	
34	Fresh Water Pump	30	3	7	21	2	47	110	
35	Single-Cylinder Diesel Engine Pump	4	5	10	4	8	2	33	
36	Business Car	4	1	1	-	-	1	7	
	<b>Total:</b>	<b>237</b>	<b>92</b>	<b>121</b>	<b>51</b>	<b>102</b>	<b>154</b>	<b>757</b>	



Figure 3-61: Dumping the CC Block at Km 51 in Polder 39-2C



Figure 3-62: Dumping CC Block for river bank protection work (KM51+041-53+418) in Polder 39-2C



Figure 3-63: Dumping work in Polder-41/1



Figure 3-64: Completed Section Drainage Channel for DS-07 in Polder 43/2C



Figure 3-65: Earth Work for Embankment KM1+000 to Km2+000 in Polder 43 /2C



Figure 3-66: Dumping the CC Block at Km 13 in Polder 41-1



Figure 3-67: Back fill & Repair of access road for DS-01 in Polder 47/2



Figure 3-68: CC block manufacturing in Polder 47/2 at yard-1



Figure 3-69: Install of Warning Tape for FS-3 in Polder 48



Figure 3-70: Loading CC Block on the barge in Polder 39-2C



Figure 3-71: CC Block Manufacturing in Polder 48 at yard-3



Figure 3-72: Sand pile work for DS-8 in Polder 43-2C

### 3.5.5 Plans for execution of works

The contractor was advised to proceed with the top priority set of civil works, namely all bank protection works across four Polders (Polder-39/2c, 41/1, 47/2 & 43/2C) during the dry sessions 2017-2020. As per the rate of progress of land availability and land acquisition plans, it is noted that a part of the land acquisition at five Polders (except the Polder-39/2C) does not pose any problem.

#### Program for February'2020

##### Polder-39/2C:

##### CC block manufacturing yard 1: (A) at Nadmulla

- No program;

##### CC block manufacturing yard 2: (A1) at Charkhali

- To manufacture monthly scheduled 40,000 Nos. Of CC blocks of 400 x 400 x 300mm;

##### CC block manufacturing yard 3: (B) at Talikhali

- To manufactured 100,000 nos. of CC blocks of 400 x 400 x 400;

##### Other Construction

- Placing of blocks in loose apron of DS-12 with gates;
- To complete the block placing work of DS-7 with gates;
- CC Blocks dumping: 140,000 nos;
- To progress construction work of Embankment;
- To progress the work of DS-10 & DS-12
- To start the work of DS-8 & DS-13;

##### Polder-40/2:

- Installation of gate FS-4/1, FS-9, FS-10, DS-2, DS-3, DS-4/5;
- To manufacture CC Block;
- To progress the work of DS-10 & DS-7A;
- To progress the re-sectioning work of embankment;
- To progress the repairing work of drainage & flushing Sluices;

##### Polder-41/1:

- To manufacture CC Block;
- Installation of gate in DS-1, DS-5, DS-6, DS-7, DS-8, DS-9, FS-1, FS-3, FS-8, FS-9 & FS-15;
- To progress the work of DS-4, DS-10, FS-6, FS-5 & FS-28
- To start the work of DS-3;
- To progress the re-sectioning work of Embankment;
- TO complete the repairing work of FS-18;
- To start the repairing of Flushing Sluices FS-21,22 &23;

##### Polder-43/2C

- To progress the re-sectioning work of embankment;
- To progress the construction work of FS-1 (A), FS-10, FS-18 & FS-8;
- Installation of gates in DS-7 and progress the work of DS-1, DS-3, DS-4 & DS-5;
- Manufacturing of CC blocks for river bank protection work and Hydraulic structures;
- To start the repairing work of Flushing Sluice;

##### Polder-47/2:

- Installation of gates in DS-1, DS-2, DS-3, DS-4, FS-1, FS-6, FS-7;
- To manufacture CC Block for river bank protection work;
- To progress the C.C block dumping;
- To complete the repairing work of FS-2 & FS-4;

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

- To manufacture CC Block;
- To progress the re-sectioning work of embankment;
- To progress the slope protection, work of sea dyke;
- Installation of gates in DS-1, DS-3/2, DS-3/4, FS-1, FS-3 & FS-4;
- To progress the work of DS-2A, DS-3/3 & DS-6;
- To complete the repair work of drainage sluice DS-4 & DS-5;

Other structures and embankment works are to be started very soon of 2019-2020. Site activities on all structures will through first, second and third dry season. The majority of the site works are scheduled during these three main dry seasons.

#### **3.5.6 Construction of Regional of Building at Patuakhali and others building at Kalapara and Pathorghata**

**Regional office building at Patuakhali:** Contractor has prepared a detailed design of the Regional Office Building at Patuakhali which has been submitted to PMU and approved by PD, PMU, CEIP-1. Approved detailed design has been sent to the contractor to start the building at Patuakhali. and the contractor has been issued a letter to commence construction. The Contractor has started the construction work of Regional office building. The piling work has already been completed and the other construction works are in progress.

**Vertical Extension of BWDB's existing office building at Kalapara:** The Building has been completed and handed over to the competent authority.

**Rest house re-construction at Pathorghata:** The process for Re-construction work of the Rest House was taken up in due time but kept postponed as per verbal instruction of the Employer. The construction work of Boundary Wall is in progress.

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

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

**Emergency work in Polder-40/2 (km 12.92 to km 12.989, km 13.215 to km 13.411 and km 13.992 to km 14.077: cost BDT 2.795 million):** Earth work in connection with emergency Ring-dyke Construction in Polder-40/2 along the alignment of the damaged embankment is completed.

Placing of Geo-textile bags on the river side slope of Ring-dyke to protect the slope from wave action is completed.

**Emergency work in Polder-41/1: (km 5.139 to km 5.189: Cost BDT 0.585 million)** Dumping of earth filled Synthetic bag along the river side slope of the damaged embankment in Polder-41/1 has been completed.

**Emergency work in Polder-47/2: (km 6.168 to km 6.618):** Backing of the Embankment by earth filling is completed. Subsequent wave action needed additional temporary protection by sand filled Geo-bags and palasiding works, which has been completed.

#### **Emergency work in Polder-48:**

1. (Km 31.060 to km 31.220; km 31.280 to km 31.408; km 34.305 to km 34.525): Sea dyke slope protection work by Geo-bag, Gunny bag, Bullah, Bamboo etc has been completed.
2. Emergency work from km 31.060 to km 31.220 and km 31.280 to km 31.408 has been completed.

#### **Emergency work in Polder-39/2C:**

1. Emergency temporary bank protection work from Km 54.512 to Km 54+600 and Km 54+608 to Km 54+678 in Polder-39/2C started on 10<sup>th</sup> September'2019 and the work has been completed.



Figure 3-73: Emergency Work of Polder-48

Table 3-69: 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
02	Polder-40/2	0.35	2,795,174
03	Polder-41/1	0.05	560,126
04	Polder-43/2C	0.00	0.00
05	Polder-47/2	0	6,872,990
06	Polder-48	0	0
<b>Total =</b>		<b>0.577</b>	<b>11,895,283</b>

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

Table 3-70: 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	0.323	3,070,748
02	Polder-40/2	0	0
03	Polder-41/1	0	0
04	Polder-43/2C	0	0
05	Polder-47/2	0.156	1,058,491
06	Polder-48	0.508	12,359,617
<b>Total =</b>		<b>0.987</b>	<b>16,488,855.56</b>

Total available budget as per Zero Cost Variation (up to V.O.01) under "Physical & Price Contingency" is **BDT: 500,000,000.00**

Table 3-71: Detailed of Emergency Works under the head of "Provisional Sum"

Sl. No.	Polder No.	Chainage		Length (Km)	Name of location	Engineer Approved Date	Estimated Cost in BDT	Remarks	Year
		From	To						
1	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
2	Polder-40/2	12.920	12.989	0.069	Tafalbaria Pathorghata	14-Nov-17	2,795,174.46	Do	FY 2017-18
3	Polder-40/2	13.215	13.411	0.196	Amount 2795174.46	14-Nov-17		Do	FY 2017-18
4	Polder-40/2	13.992	14.077	0.085	Amount 2795174.46	14-Nov-17		Do	FY 2017-18
5	Polder-41/1	5.139	5.189	0.050	Burir Char Barguna	22-Aug-17	560,125.89	Do	FY 2017-18
6	Polder-47/2	6.168	6.618	0.450	Kalapara	2-Oct-17	1,454,046.70	Do	FY 2017-18
7	Polder-47/2	6.635	6.660	0.025	Kalapara		154,515.16	Do	FY 2017-18
8	Polder-47/2	6.453	6.478	0.025	Kalapara	15-Jul-18	168,575.92	Do	FY 2017-18
9	Polder-47/2	31.28	31.408	0.128			1,418,282.41	Do	FY 2017-18
10	Polder-47/2	34.305	34.525	0.220			3,677,570.07	Do	FY 2017-18
<b>Total</b>				<b>1.425</b>			<b>11,895,282.61</b>		

Table 3-72: 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
3	Polder-39/2C	54.512	54.600	0.088	Nadmulla	9-Sep-19	775,917.00	Physical and Price Contingency	FY 2019-20
4	Polder-39/2C	54.608	54.678	0.070	Nadmulla	9-Sep-19	616858.00	Physical and Price Contingency	FY 2019-20
2	Polder-47/2	6.300	6.375	0.075	Kalapara	01-Aug-18	555,379.53	Physical and Price Contingency	FY 2017-18
3	Polder-47/2	6.550	6.592	0.042	Kalapara	01-Aug-18	290,209.45	Physical and Price Contingency	FY 2017-18
4	Polder-47/2	6.670	6.692	0.022	Kalapara	01-Aug-18	109,704.67	Physical and Price Contingency	FY 2017-18
5	Polder-47/2	6.710	6.727	0.017	Kalapara	01-Aug-18	103,196.95	Physical and Price Contingency	FY 2017-18
6	Polder-48	31.060	31.220	0.160	Kuakata	08-Apr-19	2,414,561.67	Physical and Price Contingency	FY 2017-18
7	Polder-48	31.280	31.408	0.128	Kuakata	08-Jun-18	1,840,849.69 (Revised)	Physical and Price Contingency	FY 2018-19
8	Polder-48	34.305	34.525	0.220	Kuakata	08-Jun-18	8,104,205.60 (Revised)	Physical and Price Contingency	FY 2018-19
<b>Total</b>				<b>0.987</b>			<b>16,488,855.56</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.

**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.

**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.

**IPC-7** has been 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.

**IPC-8** has been 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.

**IPC-9** has been 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.

**IPC-10** has been 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.

### 3.5.9 Contract Modifications

The block sizes 60cmx60cmx60cm & 60cmx60cmx40cm have been incorporated in the approved design for the slope protection work of Polder-48. But the provision of these sizes of blocks were not in the Contract BOQ. Hence the Contractor submitted a Variation Order for these new sizes of blocks and the Variation Order was reviewed by the Consultants and a Draft Variation Order was submitted to the PMU. The Project Director has given some observations on the Draft Variation Order. After consultation with the PMU the Variation Order No.1 has been finalized and submitted to PMU on 20 June 2019. The approved Variation Order No.01 has not yet been received. In the Contract there is no provision for block size 40cmx40cmx40cm for hydraulic structures ( $f'c=15$  Mpa) but in the approved drawing provision is made for using block size 40cmx40cmx40cm for flexible and loose apron of hydraulic structures. Hence, the Variation Order No.02 has been prepared with provision of block size 40cmx40cmx40cm and submitted to PMU on 21 October 2019. The approved Variation Order No.02 has not yet been received. The Variation Order No.03 for construction of Rest House cum Office Building at Bhandaria was submitted to PMU on 24 October 2019 but that has been returned back with some observations. As per observations the Variation Order No.03 is being re-casted. The Variation Order No.01 & 02 have been returned back by the Project Director on 13<sup>th</sup> November, 2019 with the advice to combine both the proposed Variation Orders, together into one and may be numbered as Variation Order No.01. This action has been taken due to recently some changes in the revised approved design of Polder No.48. As per advice of the Project Director, the revised Variation Order No.01 has been prepared and submitted to PMU vide Engineer's reference no.RDCOR\_BC5883-100\_L002438\_JHL\_MAR dated: 5<sup>th</sup> January, 2020. The Project Director also advised to submit a Zero Cost Variation (up to Variation Order No.01) and according to the advice Zero Cost Variation (up to Variation Order No.01) has been prepared and submitted to PMU vide Engineer's reference no.RDCOR\_BC5883-100\_L002439\_JHL\_MAR dated: 5<sup>th</sup> January, 2020. The Zero Cost Variation is under review by the World Bank. S-Curve of Package-2

The revised work program was submitted by the Contractor in October 2018. The revised work program was reviewed by the Consultants and sent to PMU. The S-curve was prepared based on the revised program and the same has been incorporated in the Monthly Progress Report of January, 2020. The Contractor has submitted a draft revised work program and that has been reviewed by the Consultant and sent back to the Contractor with the advice to incorporate the suggestions of the Consultants and re-submit at the earliest.



### 3.5.10 Progress on Purchase of vehicles

#### (A) Purchase of Vehicle (Pkg-2)

- a) Three number Cross Country Vehicle have been procured and delivered to the PD on 26 June 2018.
- b) Two number Pickups and five number Motor Cycles have been procured and delivered to the field office of the Consultants on 10 January 2019.

## 3.6 Task D: Project Management Support Services

### 3.6.1 Financial Projection

No data yet were established to show financial disbursements. The preparation of January need stakeholders' discussions/deliberations to determine the figures and numbers. 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\$ 4.52 Million and US\$ 8.28 Million for Package-1 & Package-2 respectively considering extension of time up to June 2020 for Package-1 and completion time January 2021 of Package-2.

For Package-1 the S-curves is incorporated based on the approved revised work program of FY 2019-2020 & for Package-2 the S-Curve is incorporated based on the revised work program of FY 2018-2019 and accordingly, the financial projection has been reflected in the MPR of January, 2020. The revised S-Curve of Package-2 will be reflected in the MPR of February, 2020. The next IPCs are, however, expected by February, 2020 for both the packages.

### 3.6.2 Monthly Forecast of Payment of Package-W-2:

Table 3-73: Tentative forecast of Payment for FY 2019-2020 of Package-2

IPC No.	Month of Submission	Forecast Value of IPC	Remark
IPC No.10	Oct. 2019	247,272,733.59	IPC No. 10 was submitted by the Contractor with the value of BDT: 247,272,733.59 which was reviewed by the Engineer and submitted to the Employer on 05 November, 2019 with recommendation for payment.
IPC No.11	Dec. 2019	276,500,000.00	No IPC is submitted by the Contractor in the month of December,2019.
IPC No.12	Jan. 2020	395,000,000.00	IPC-11 is submitted by the Contractor in the month of January, 2020.The IPC-11 is under review by the Consultants.
IPC No.13	Mar. 2020	474,000,000.00	
IPC No.14	Apr. 2020	1,264,000,000.00	
IPC No.15	May. 2020	553,000,000.00	
IPC No.16	June. 2020	632,000,000.00	
<b>Total</b>		<b>3,841,772,733.59</b>	

### 3.6.3 Modification No. 3 of Consultancy Contract

Modified Consultancy Contract No.2 has been approved and signed between the Employer and the Consultants. Some local personnel have already been deployed to the sites of Contract Package-2 and other personnel will be deployed as per requirement. **The Project Director has informed vide Memo. No: CEIP-1/S2/1464 dated; 11<sup>th</sup> December,2019 that Reallocation Proposal has been approved by the Director General, BWDB, Dhaka. The Project Director has also invited to sign the Modification Contract No.03 of DDCS & PMS Consultants. Accordingly, the Modification Contract No.03 of DDCS & PMS Consultants has been signed by the Project Director and the Consultants on 15<sup>th</sup> December,2019.**

### 3.6.4 Support to PMU

The same support activities are being provided and enhanced as in the case of Package-1 PMS tasks.

## 3.7 Consultant Inputs

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

Table 3-74: Overview of Staffing (including Proposed Replacements)

Description of Staffs	Position	Original Staff	Current Staff	Remarks
A. International Key Staff	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	Mr. Richard David Mann	
	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	
Quantity Surveyor - 2	Andrew Cook	Andrew Cook		
B. International Non-Key Staff	Sociologist/Resettlement Specialist	Roy Timmer	Dr. Salim Zaman	
	Geo-Technical Engineer	Joost van der Schrier	Joost van der Schrier	
	Estuary and River Morphology Modeler	Bo Brahtz Christensen	Bo Brahtz Christensen	
A. National Key Staff	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	
	Deputy Resident Engineer - 2	Md. Gulzer Hossain	Mr. Mohammad Ali	
A. National Non-Key Staff	Re-settlement Specialist/Sociologist	Kh. Khairul Matin	Md. Zainal Abedin	
	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. Aminur Rahman	
	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		

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

Description of Staffs	Position	Original Staff	Current Staff	Remarks
	Geo-Technical and Foundation Specialist	Mizanur Rahman	Ashraf Ul Abedin	N/A
	Mechanical Engineer - 1	Monojit Kumar Bagchi	Monojit Kumar Bagchi	N/A
	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. Sadiqul Islam	Md. Sadiqul 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	
A. Others Staffs	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 -1	
	Field Engineer	Md. Jamal Uddin	Md. Jamal Uddin	
	Field Engineer	Md. Sazzad Hossain	Md. Sazzad Hossain	
	Field Engineer	Tajuddin Ahmed	Tajuddin Ahmed	
	Field Engineer	S.M. Noor-A-Alom	S.M. Noor-A-Alom	
	Field Engineer	Khandaker Shamim Ahmed	Khandaker Shamim Ahmed	
	Field Engineer	Shakil Ahmed	Shakil 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. Mizanur Rahman	Md. Mizanur Rahman	
	Field Engineer	Joy Prokash Mondal	Joy Prokash Mondal	
	Field Engineer	Md. Mahadi Hasan	Md. Mahadi Hasan	
	Field Engineer	Md. Rakibul Islam Nahid	Md. Rakibul Islam Nahid	
	Field Engineer	Md. Rakibul Islam	Md. Rakibul Islam	
	Field Engineer	Shahidul Islam-1	Shahidul Islam-1	
	Field Engineer	Md. Lutfor Rahman	Md. Lutfor Rahman	
	Field Engineer	Md. Sumon Mia	Md. Sumon Mia	
	Field Engineer	Sufia Parvin	Sufia Parvin	
	Field Engineer	Zulfiqur Azeez	Zulfiqur Azeez	
	Field Engineer	Shahidul Islam-2	Shahidul Islam-2	
	Field Engineer	Kamrul Hasan	Kamrul Hasan	
	Field Engineer	Goutom Kumar Bosu	Goutom Kumar Bosu	
	Field Engineer	Md. Sajib Ahmed	Md. Sajib Ahmed	
	Office Manager	Md. Shahadat Hossain	Md. Shahadat Hossain	
	Office Manager (Khulna)	Jakir Hossen	Jakir Hossen	
	Office Manager (Patuakhali)	Mehede Hasan	Mehede Hasan	
	Accounts Officer	Md. Fazlul Karim Khan	Md. Fazlul Karim Khan	
	Accounts Officer	Md. Badarudduza	Md. Badarudduza	
	Office Secretary	Mahmuda Islam	Mahmuda Islam	
	Lab Technician	Md. Aminur Rahman	Md. Aminur Rahman	
	Lab Technician	Md. Kuddus Molla	Md. Kuddus Molla	
	Lab Technician	Lokshon Chandra Biswas	Md. Tuhin Miah	
	Computer Operator	Md. Abdulla Al Mamun	Md. Abdulla Al Mamun	
	Computer Operator	Md. Delowar Hossain	Md. Delowar Hossain	
	Computer Operator (Khulna)	Hosnewara Khatun	Hosnewara Khatun	
	Computer Operator	Md. Bellal Hossain	Md. Bellal Hossain	
	Computer Operator	Md. Jakaria Islam	Md. Jakaria Islam	
	Office Peon	Md. Jahangir Alam	Md. Jahangir Alam	
	Messenger	Sheikh Rabiul Islam	Sheikh Rabiul Islam	
	Chowkidar (Khulna)	Ariful Islam	Ariful Islam	
Office Peon (Khulna)	Md. Sojib Hossen	Md. Sojib Hossen		
Office Peon (Patuakhali)	Md. Rownaqul Islam	Md. Rownaqul Islam		
Office Peon (Patuakhali)	Md. Babul Akhther	Md. Babul Akhther		
Cleaner	Md. Shohidul Islam	Md. Shohidul Islam		

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

Table 3-75: Tentative forecast of payment for DDCS & PMS Consultants

Invoice No.	Invoice Month	Submission Month	Projected Value of Invoice (BDT)/(EURO)	Actual Value of Invoice (BDT)/(EURO)	Remarks
<b>Local Currency</b>					
LC-28	July-August 19	September 19	24,720,100.00	37,300,999.18	
LC-29	September- October 19	November 19	16,000,000.00	21,506,237.37	
LC-30	November-December 19	January 20	15000000.00		
LC-31	January - February 20	March 20	16,000,000.00		
LC-32	March-April 20	May 20	15,000,000.00		
LC-33	May-June 20	June 20	15,000,000.00		
<b>Total</b>			<b>101,720,100.00</b>		
<b>Foreign Currency</b>					
FC-28	July-August 19	September 19	50,000.00	24,002.59	
FC-29	September- October 19	November 19	121,000.00	60,375.90	
FC-30	November-December 19	January 20	125,000.00		
FC-31	January - February 20	March 20	120,000.00		
FC-32	March-April 20	May 20	120,000.00		
FC-33	May-June 20	June 20	100,000.00		
<b>Total</b>			<b>636,000.00</b>		

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

Table 3-76: 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	0.00	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 <sup>1</sup>	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

<sup>1</sup> Invoice no. 10 (Not full payment)

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

SI No. of Invoices	Payment in EURO			Payment in BDT		
	Amount invoiced	Date submitted	Date paid	Amount invoiced	Date submitted	Date paid
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 Payment)
	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-June-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	
Invoice No. 24	94,865.43	01-Jan-19		12,123,246.79	11-Feb-19	25-Mar-19
Invoice No. 25	101,908.93	14-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		37,413,649.93	19-Dec-19	
Invoice No. 29	60,375.90	19-Dec-19		21,506,237.37	19-Dec-19	
<b>Total Amount Invoiced =</b>	<b>2,457,427.01</b>			<b>663,555,049.82</b>		

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

### Package-1

BoQ Item	Activity Name	Unit	Weightage	Weight (Partial)	Name of Work	Contract Quantity	Actual Quantity	Contract Value as per Var. No.3 (BDT)	Value of Work Executed (BDT)	Expenditure (BDT)	Projection (BDT)	Percentage Completed	Weighted Percentage	Wtg Achvd till 30 January, 2020	Status on January 2020					
BoQ No. 1	General Mobilisation		7.52%					496,465,529.00	392,412,304.27	414,235,712	20,000,000	79.04%	5.948%	5.948%	79.04%					
BoQ No. 2	Embankment Construction/ Re-sectioning	km	21.96%			5,877,718	4,778,008	1,448,823,605.00	1,177,751,429.26	1,049,717,774	496,262,140	81.29%	17.851%	17.851%	81.29%					
BoQ No. 3	Drainage Channel Excavation/ Re-excavation	km	2.18%			1,359,203.48	1,263,056.97	144,057,665.00	133,867,400.75	121,866,602	81,576,154	92.93%	2.029%	2.029%	92.93%					
BoQ No. 4	Drainage Sluice Construction	no	9.89%					668,068,356.80	656,831,642.40	602,257,046	170,000,000			9.722%	98.28%					
				0.47%	Casting Block size 40cm x 40cm x 20cm.	106,373	99,268	30,694,992.88	28,644,798			93.32%	0.434%							
				0.34%	Casting Block size 30cm x 30cm x 30cm.	90,898	54,158	22,142,752.80	13,192,860			59.58%	0.200%							
				9.09%	Other Drainage Sluices Construction Works	615,230,611	614,993,984	615,230,611.12	614,993,984			99.96%	9.088%							
BoQ No. 5	Drainage Sluice Repair	no	0.13%					8,401,731.00	7,845,971.78	6,785,261	8,229,140			0.119%	93.39%					
				0.02%	Casting Block size 40cm x 40cm x 20cm.	3,747	3,497	1,081,234.32	1,009,016	0		93.32%	0.015%							
				0.02%	Casting Block size 30cm x 30cm x 30cm.	4,911	2,926	1,196,319.00	712,778	0		59.58%	0.011%							
				0.09%	Other Drainage Sluices Repair Works	6,124,178	6,124,178	6,124,177.68	6,124,178	0		100.00%	0.093%							
BoQ No. 6	Flushing Inlet Construction	no	5.70%					378,908,707.59	361,818,753.04	273,797,839	196,668,139			5.439%	95.47%					
				0.25%	Casting Block size 40cm x 40cm x 20cm.	56,323	52,561	16,252,564.00	15,167,015	0		93.32%	0.230%							
				0.28%	Casting Block size 30cm x 30cm x 30cm.	76,019	45,293	18,518,228.00	11,033,334	0		59.58%	0.167%							
				5.17%	Other Flushing Inlets Construction Works	344,137,915.59	335,618,404	344,137,915.59	335,618,404	0		97.52%	5.042%							
BoQ No. 7	Flushing Inlet Repair	no	1.25%					82,361,662.08	76,034,222.12	15,191,778	17,724,174			1.152%	92.32%					
				0.08%	Casting Block size 40cm x 40cm x 20cm.	17,425	16,261	5,028,158.00	4,692,314.85	0		93.32%	0.071%							
				0.13%	Casting Block size 30cm x 30cm x 30cm.	33,966	20,237	8,274,117.00	4,929,796.70	0		59.58%	0.075%							
				1.05%	Other Flushing Inlets Repair Works	69,059,387	66,412,111	69,059,387.08	66,412,110.58	0		96.17%	1.007%							
BoQ No. 8	Embankment Slope Protection Work	km	21.68%					1,430,472,110.00	1,105,524,892.83	1,195,998,401	689,628,687			16.756%	77.28%					
				6.08%	Casting Block size 40cm x 40cm x 40cm.	729,950	567,891	400,844,743.00	311,851,441	0		77.80%	4.727%							
				9.61%	Casting Block size 40cm x 40cm x 20cm.	2,310,203	1,751,597	634,312,437.71	480,935,959	0		75.82%	7.289%							
				1.52%	Casting Block size 40cm x 40cm x 30cm.	222,844	160,947	100,560,583.44	72,629,051	0		72.22%	1.101%							
				4.47%	Other Embankment Slope Works	294,754,345.85	240,108,441	294,754,345.85	240,108,441	0		81.46%	3.639%							
BoQ No. 9	River Bank Protection Work	km	22.72%					1,498,882,474.37	1,269,184,681.68	1,182,839,752	513,208,608			19.237%	84.68%					
				11.12%	Casting Block size 40cm x 40cm x 40cm.	1,335,844	1,039,267	733,565,236.88	570,703,196	0		77.80%	8.650%							
				1.17%	Casting Block size 40cm x 40cm x 20cm.	282,163	213,936	77,473,494.91	58,740,437	0		75.82%	0.890%							
				8.27%	Casting Block size 30cm x 30cm x 30cm.	2,110,963	1,999,519	545,430,610.37	516,635,710	0		94.72%	7.831%							
				0.03%	Casting Block size 40cm x 40cm x 30cm.	4,800	3,467	2,166,048.00	1,564,410	0		72.22%	0.024%							
				2.13%	Other Bank Protection Works	140,247,084	121,540,928	140,247,084.22	121,540,928	0		86.66%	1.842%							
BoQ No. 10	Dismantling Work	km	2.03%			133,991,406	24,605,795	133,991,406.00	24,605,794.93	15,307,211	20,000,000	18.36%	0.373%	0.373%	18.36%					
BoQ No. 11	Closure Dam Construction	km	2.77%					182,925,081.00	90,547,914.70	0	0			1.372%	49.50%					
				0.69%	Foundation Construction of the Closure	45,731,270	45,731,270	45,731,270.00	45,731,270	0		100.00%	0.693%							
				0.55%	Closing of the closure	36,585,016	34,755,765	36,585,016.00	34,755,765	0		95.00%	0.527%							
				1.52%	Final Protection Work of the Closure	100,608,795	10,060,880	100,608,795.00	10,060,880	0		10.00%	0.152%							
	Schedule of Day work		0.36%			23,712,392	18,993,034	23,712,392.00	18,993,034	2,593,033	1,000,000	80.10%	0.288%	0.288%	80.10%					
	Environmental Mitigation Works		0.91%		0.00	60,200,000	56,491,360	60,200,000.00	56,491,360	55,791,360	1,050,000	93.84%	0.856%	0.856%	93.84%					
	Emergency work charge to physical contingencies		0.89%			58,913,141	58,913,141	58,913,141.00	58,913,141	47,221,222		100.00%	0.893%	0.893%	100.00%					
	Physical and Price Contingencies		0.00%			241,086,859	304,075,783	241,086,859.00	304,075,783	312,704,653	1,050,000	126.13%	0.000%							
	Temporary Savings		0.00%			111,842,485	-	111,842,485.08	0			0.00%	0.000%							
														100.00%	6,969,113,205	5,734,898,325	5,296,307,644	2,216,397,041	82.03%	82.03%



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

**Package-2**

BoQ Item	Activity Name	Weightage	Weight (Partial)	Name of Work	Unit	Quantity as per VO No. 01	Actual Quantity of work executed	Value (BDT) as per VO No. 01	Cumulative Value of Work Executed (BDT)	Cumulative Expenditure (BDT)	Projection (BDT) during FY 2019-20	Percentage Completed	Weighted Percentage	Wtg Achvd on 30th January 2020	Status on 30 January 2020
BoQ No. 1	General Mobilisation	1.12%						114,147,100.00	59,711,566.90	55,270,296.00	12,442,500.00	52.31%	0.59%	0.59%	52.31%
BoQ No. 2	Embankment Construction/ Re-sectioning	17.25%			cum	7,028,144	831,304	1,757,533,176.00	207,884,807.05	102,880,215.57	101,051,210.35	11.83%	2.04%	2.04%	11.83%
BoQ No. 3	Drainage Channel Excavation/ Re-excavation	1.88%			Cum	1,196,248.73	250,757.58	191,966,386.45	40,239,981.45	34,345,501.81	24,140,343.52	20.96%	0.39%	0.39%	20.96%
BoQ No. 4	Drainage Sluice Construction	15.35%						1,564,264,329.54	679,727,530.23	438,279,384.94	306,955,728.66			6.67%	43.45%
			0.89%	Casting Block size 40cm x 40cm x 40cm.	no	90,872	40,573	90,450,353.92	40,384,731.43			44.65%	0.40%		
			0.42%	Casting Block size 30cm x 30cm x 30cm.	no	177,079	56,572	43,030,197.00	13,746,899.44			31.95%	0.13%		
			14.04%	Other Drainage Sluices Construction Works	BDT	1,430,783,779	625,595,900	1,430,783,778.62	625,595,899.36			43.72%	6.14%		
BoQ No. 5	Drainage Sluice Repair	0.18%						18,234,536.00	4,620,798.96	0.00	18,358,481.30			0.05%	25.34%
			0.03%	Casting Block size 40cm x 40cm x 20cm.	no	12,365	6,254	3,326,185.00	1,682,334.89			50.58%	0.02%		
			0.05%	Casting Block size 30cm x 30cm x 30cm.	no	20,000	6,389	4,860,000.00	1,552,628.99			31.95%	0.02%		
			0.10%	Other Drainage Sluices Repair Works	BDT	10,048,351	1,385,835	10,048,351.00	1,385,835.08			13.79%	0.01%		
BoQ No. 6	Flushing Inlet Construction	8.61%						877,089,164.92	288,364,317.44	137,427,862.74	151,872,431.19			2.83%	32.88%
			0.66%	Casting Block size 40cm x 40cm x 40cm.	no	67,196	30,002	66,884,210.56	29,862,800.57			44.65%	0.29%		
			0.28%	Casting Block size 30cm x 30cm x 30cm.	no	105,844	33,814.09	28,831,464.00	9,210,816.21			31.95%	0.09%		
			7.67%	Other Flushing Inlets Construction Works	BDT	781,373,490	249,290,701	781,373,490	249,290,700.65			31.90%	2.45%		
BoQ No. 7	Flushing Inlet Repair	0.16%						16,495,126.00	3,936,283.27	669,152.57	18,078,404.24			0.04%	23.86%
			0.02%	Casting Block size 40cm x 40cm x 20cm.	no	6,390	3,232	1,718,910.00	869,399.11			50.58%	0.01%		
			0.05%	Casting Block size 30cm x 30cm x 30cm.	no	21,000	6,709	5,103,000.00	1,630,260.44			31.95%	0.02%		
			0.09%	Other Flushing Inlets Repair Works	BDT	9,673,216	1,436,624	9,673,216.00	1,436,623.72			14.85%	0.01%		
BoQ No. 8	Embankment Slope Protection Work	12.94%						1,318,889,277.05	456,987,380.12	114,034,351.07	134,153,121.37			4.48%	34.65%
			3.52%	i) CC Block: 40cm x 40cm x 30cm.	no	862,037	275,168	358,607,392.00	114,469,953.19			31.92%	1.12%		
			1.75%	ii) CC Block: 40cm x 40cm x 40cm.	no	321,340	220,044	178,665,040.00	122,344,710.38			68.48%	1.20%		
			1.68%	iv) CC Block: 60cm x 60cm x 40cm.	no	85,910	17,174	171,283,062.50	34,240,662.50			19.99%	0.34%		
			3.03%	v) CC Block: 60cm x 60cm x 60cm.		101,059	42,472	309,207,190.53	129,950,304.24			42.03%	1.28%		
			2.95%	Other Embankment Slope Works	BDT	301,126,592.02	55,981,749.81	301,126,592.02	55,981,749.81			18.59%	0.55%		
BoQ No. 9	River Bank Protection Work	39.74%						4,050,125,322.64	2,745,020,145.77	2,044,865,901.68	1,638,590,479.30			26.94%	67.78%
			34.94%	Casting Block size 40cm x 40cm x 40cm.	no	6,403,498	4,384,933	3,560,345,080.96	2,438,022,501.62			68.48%	23.92%		
			0.72%	Casting Block size 40cm x 40cm x 30cm.	no	176,064	56,200.84	73,242,624.00	23,379,550.81			31.92%	0.23%		
			4.09%	Other Bank Protection Works	BDT	416,537,617.67	283,618,093.34	416,537,617.67	283,618,093.34			68.09%	2.78%		
BoQ No. 10	Dismantling Work of sluices and road	0.56%						57,489,951.02	8,487,726.05	6,720,051.69	0.00			0.08329%	14.76%
			0.369%	Dismantling Works of existing roads	BDT	37,628,302	4,515,396	37,628,301.90	4,515,396.23			12.00%	0.04%		
			0.195%	Dismantling Works of existing Sluices	BDT	19,861,649	3,972,330	19,861,649.12	3,972,329.82			20.00%	0.04%		
BoQ No. 11	Construction of Khal Crossing Closures	0.99%			No	8	-	101,123,200.00	0.00		0.00	0.00%	0.00%	0.00%	0.00%
BoQ No. 12	Construction of Road Pavement over Embankment	0.00%			km	-	-	0.00	0.00		0.00	0.00%	0.00%	0.00%	0.00%
BoQ No. 13	Construction of RCC Flood Wall	0.00%			km	-	-	0.00	0.00		0.00	0.00%	0.00%	0.00%	0.00%
	Schedule of Day work	0.50%			BDT	51,240,887	-	51,240,887.20	0.00		4,500,000.00	0.00%	0.00%	0.00%	0.00%
	Environmental Mitigation Works	0.63%			BDT	64,354,491	14,651,755	64,364,491.00	14,654,031.73	2,115,728.96	1,500,000.00	22.77%	0.14%	0.14%	22.77%
	Emergency Works (Charge to Physical Contingencies)	0.08%			BDT	9,212,768	9,212,768	9,212,767.58	9,212,767.58			100.00%	0.08%	0.08%	100.00%
	Physical and Price Contingencies				BDT	490,787,232	-	490,787,232.42	0.00	9,212,767.58	5,000,000.00	0.00%	0.00%	0.00%	
	Temporary Savings				BDT			216,601,686.83							
Total		100.00%						10,899,564,634.65	4,518,847,336.54	2,945,821,214.61	2,416,642,699.92			44.33%	44.33%

## Annex 3: 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 2020 (As per approved extension of time)
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. Yang Dong; No sub-contractors; about 170 Chinese labor and skilled workers influx; 01 Indian workers; local labor and foremen about 600 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 sedimented internal channels (khals); social re-forestation; 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 laborers mobilized onsite?	Yes, there are Migrant workers influx at Project area, relatively small numbers and scattered all over the many construction sites; foreign laborer's yes, only Chinese, around 200 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 centers (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 translators; 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

2. INITIAL SCREENING LABOR INFLUX REQUIREMENTS AND IMPLICATIONS		
		to take proper action within appropriate time. 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, 294 local workers engaged for construction workers; P-33, 295 local workers; P-35/1, 591 local workers and P-35/3; 187 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 laborers 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 laborers 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 has 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 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	Work in gage 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 is 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. LOCAL COMMUNITY (Please provide Polder wise description of Facilities)	
4.6	Are there any security considerations?
4.7	Are there any marginalized, vulnerable, ethnic? indigenous- communities?

5. MAINTENANCE OF OTHER LABOR RECORDS	
5.1	Is a copy of photo ID of each labourer kept? with the Contractor/ Sub-contractor?
5.2	Is contact information of labour's next-of-kin kept for each labourer?

1. 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	<i>Male</i>	<i>Female</i>
		597	5
6.2	Number of laborers by skill	<i>Skilled</i>	<i>Semi-skilled</i>
		376	151
		<i>Unskilled</i>	<i>Total</i>
		75	602

6.3	Number of laborers by origin	<i>Local (same or adjoining district)</i>	<i>Other districts</i>	<i>Other Country</i>	<i>Total</i> 602	
		372	179	51		
6.4	Number of laborers by age	18-25		25-50	Above 50	<i>Total</i>
		260		274	68	602
6.5	Source of labour	<i>Contractor</i>	<i>Subcontractor</i>	<i>Independent</i>	<i>Other</i>	<i>Total</i> 602
		602	0	0	0	

7. FACILITIES (Please provide Polder wise description of Facilities)					
7.1	Details of labour camps	Number	Permanent/Temp.	Location	Distance from nearest village/habitation
		8	<i>Permanent</i>	Every CC block	Almost within 100m
		12	<i>Temporary</i>	yard and every work site	
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 road sides, 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 visits here for very short time. The local worker mostly lives with their family			
7.6	Likelihood of family members accompanying(visiting)	They hardly visit the project side. Laboure's 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 camp site?	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?	Yes			
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 al about official since commencement of	Six times since commencement from WB. From the part of PMU and BEDB, visited the woks site frequently, as per the need basis.			

	work?	
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 are the directions? Mode of compliance with such	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 kilometers, alert by mobile hand 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 inside the polder. If any worker required critical services then he/she refer to Khulna or Dhaka. The contractor has own car for every camp site and CC block manufacturing site to transport the/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	Chinese Contractor holds regular drills on procedures and protocols to enact in case of

9. ACCIDENTS, EMERGENCIES AND INCIDENTS (Please provide Polder wise description of Facilities)		
	procedures?	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**

1. 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	11 <sup>th</sup> January, 2021
1.5	Location	Polder-39/2C, Polder-40/2, Polder-41/1, Polder-43/2C, Polder-47/2 and 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 208.71km;</li> <li>2. Excavation and re-excavation of drainage channels in the Polders with a total length of about 154.63 km;</li> <li>3. Construction of 50 drainage sluices;</li> <li>4. Repairing of 6 drainage sluices;</li> <li>5. Construction of 51 flushing sluices;</li> <li>6. Repairing of 30 flushing sluices;</li> <li>7. Construction of embankment slope protection works with a total length of some 9.48km;</li> <li>8. Construction of river bank protection works with a total length of 5.395 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>

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 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

3. 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

4. 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>
		No information	No information
		<i>Experience</i>	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

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?	No

**6. 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 laborer by sex	Male		Female		Total
		1,431		15		
6.2	Number of laborers by skill	<i>Skilled</i>	<i>Semi-skilled</i>	<i>Unskilled</i>	<i>Total</i>	
		490	338	618	1,446	
6.3	Number of laborers by origin	<i>Local (same or adjoining district)</i>	<i>Other districts</i>	<i>Other Country</i>	<i>Total</i>	
		1131	315	0	1,446	
6.4	Number of laborers by age	<i>18-25</i>	<i>25-50</i>	<i>Above 50</i>	<i>Total</i>	
		364	1034	48	1,446	
6.5	Source of labour	<i>Contractor</i>	<i>Subcontractor</i>	<i>Independent</i>	<i>Other</i>	<i>Total</i>
		1,446	0	0	0	1,446

7. 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, 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?	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>9. 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
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: Bandarie Police staion, 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, Disppensary 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 sites and no female workers.

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

### Results Framework and Monitoring

Project Development Objectives															
Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values								Data Source/		Responsible for	Remarks
				YR1 14/15	YR2 15/16	YR3 16/17	YR4 17/18	YR5 18/19	YR6 19/20	YR7 20/21	End Target	Frequency	Meth.		
Gross area protected		1000 x ha	-	-	-	-	36.5	67.7	77.9	100.8	100.8	Annual	BWDB	M&E	
<i>Achievement</i>				-	-	-									
Direct project beneficiaries from increased resilience to climate change (number) of which female (percentage) %	X	1000 person x	0	0	0	0	230	480	530	760	760 (50%)	Annual	BWDB	M&E	
<i>Achievement</i>				0	0	0									
Increase cropping intensity		(%)	140	-	-	-	155	167	171	180	180	Annual	BWDB	M&E	
<i>Achievement</i>				-	-	-									
Contingent Emergency Appropriation		Triggered, if requested [Y/N]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BWDB	NA	
<i>Achievement</i>				NA	NA	NA									

Intermediate Results Indicators														Remarks	
Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values							Frequency	Data Source / Meth.	Responsible for Data Collection		
				YR1 14/15	YR2 15/16	YR3 16/17	YR4 17/18	YR5 18/19	YR6 19/20	YR7 20/21					End Target
Length of upgraded embankment		km	0	-	20	121	309	452	551	623	623	Annual	BWDB	M&E	
<i>Achievement</i>				-	0.8	27.9	63.55	164.98	171.078						45.955 km are in progress
Drainage structures replaced and upgraded		No.	-	-	3	23	59	89	113	129	129	Annual	BWDB	M&E	
<i>Achievement</i>				-	0		20	34	37						33 nos. are in progress
Regulators upgraded		No.	-	-	4	28	73	106	123	134	134	Annual	BWDB	M&E	
<i>Achievement</i>				-	0	0									
Flushing inlets upgraded		No.	0	-	9	52	127	178	214	244	244	Annual	BWDB	M&E	
<i>Achievement</i>				-	0		15	23	28						22nos. are in progress.
Length of Drainage Channels upgraded		Km	0	-	27	157	381	540	681	794	794	Annual	BWDB	M&E	
<i>Achievement</i>				-	0	11	28.80	134.84	133,84						
Area restored re/afforested	x	ha	-	-	-	-	-	100	200	300	300	Annual	BWDB	M&E	
<i>Achievement</i>				-	-	-									

Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values								Frequency	Data Source/ Meth.	Responsible for Data Collection	Remarks
				YR1 14/15	YR2 15/16	YR3 16/17	YR4 17/18	YR5 18/19	YR6 19/20	YR7 20/21	End Target				
Water Management Organization (WMO)		No.	0	-	-	-	1	2	3	4	4	Annual	BWDB	M&E/NGO	
<i>Achievement</i>				-	-	-									
Improved coastal monitoring		Studies	Limited data					1			2	Annual	BWDB	M&E	
<i>Achievement</i>		-	-												
BWDB days of training provided	X	No.	0	20	40	60	80	100	120	140	160	Annual	BWDB		Project total needs to be 140 (or PY7 should be 160).
<i>Achievement</i>				33 (341)	33 (341)	33 (341)									Reported duration in days (plus per-day)
Client days of training provided - Female	X	No.	0								60	Annual	BWDB		
<i>Achievement</i>				33 (66)	33 (66)	33 (66)									Reported duration in days (plus per-day)
Grievance Redress Committee (GRC)		No.	0		4		10 (36)	13	17			Annual	BWDB	M&E/NGO	GRC have been formed in all 10 Polders under Package 1& 2
<i>Achievement</i>					4 (15 GRC)	4 (15 GRC)	10 (36 GRC)	10 (36 GRC)	10 (36 GRC)						GRC formation undertaken for all polders of Package 01. Total 157 complaints / grievances have received by GRC upto January 2020. Out of 157 complaints /grievances 37 complaints have been resolved at the entry level and 114 cases have resolved through investigations and formal hearing by GRC) and the rest 06 cases have been trying to resolve through investigations and formal hearing by GRC).A total number of 45 grievances have been received at package-2 up to January 2020 by GRC.25 cases of them have been resolved in the entry level by the field investigation and 20 cases are under process for investigation and formal hearing by GRC.