



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



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

**Progress Report No. 55
Month of November 2019**

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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
CDPo	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 November, 2019. The Executive Summary Chapter will highlight the various developments and issues at stake in a qualitative manner whereas the remaining Chapters will provide more quantitatively information and details on the activities and progress of the month of November, 2019.

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 November, 2019 regarding Package-1 are summarised below as follows:

1. The physical progress up to and including November, 2019 is 80.67% against the revised target of 81.15%.
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 0.48% 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 36 nos. Drainage Sluices and 28 nos. Flushing Sluices upto November, 2019 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 November 2019 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 November, 2019.

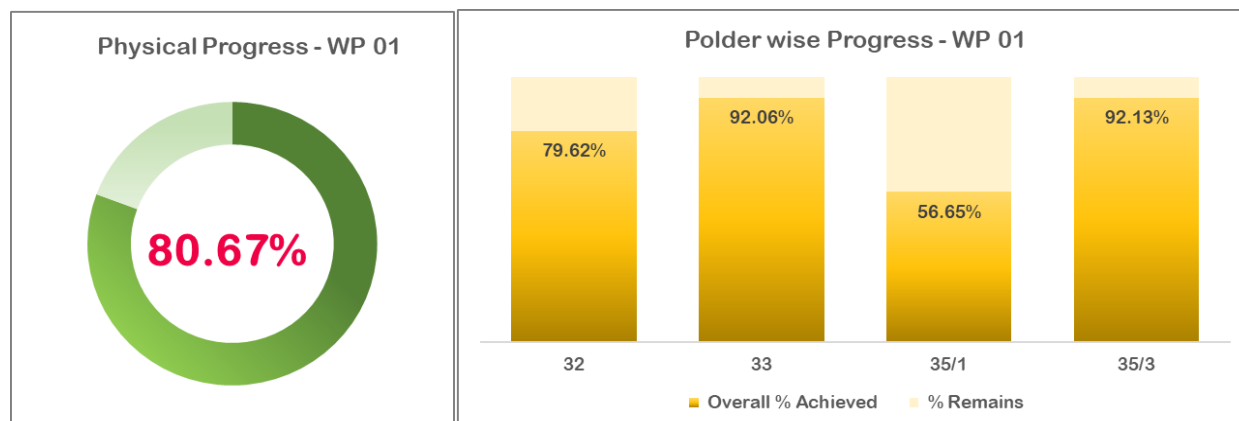


Figure 1-1: Polder Wise Progress of Package-1

- 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 November 2019 the Contractor has mainly given their attention to protect the foundation work of the closure which have been progressed about 95% up till now.
- 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 not yet been received by the Engineer.
- The installation of Gates and Hoists in 19 sluices has been completed as per original approved design and the remaining 19 nos. will be done as per revised design already approved by the competent authority. In that case, all the Gates and Hoists already installed in 18 drainage sluices will also be re-installed as per revised approved Design as stated below. Revised design and drawings with higher diameter 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. In this respect the Variation Order No.4 was submitted to the Project

Director for approval on 6th August 2019. In Parallel, the contractor was instructed to start supplying the Gates & Hoists at the soonest possible time. The Project Director has made some observations on the Variation Order No.4 vide reference: CEIP-1/S2/1153 dated: 25-09-2019. The responses of the observations have been submitted to PMU. The Project Director sent the said Variation Order to the World Bank for concurrence. The World Bank after review has given some observations on the Variation Order. The responses of the observations have been prepared and submitted to PMU vide Consultant's reference RDCOR_BC5883-100_L002366_JHL_MAR dated: 14th November, 2019. The approval of the Variation Order No.4 is urgently needed to bring the sluices into operation.

8. 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 is under process.
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 preparation of the Summary of Zero Cost Variation Proposal (up to Variation Order No.04 of Contract CEIP-1/W-01) is in process and in the final stage of submission to the PMU.
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 November, 2019 regarding Package-2 are summarised below as follows:

1. The physical progress up to November 2019 is 38.02% against the target of 67.50% as per previous Work Program. The revised Work Program is near to finalization and being discussed between Contractor and Engineer.
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. Hence the Contractor has been requested to submit a revised work program considering that all the remaining works are to be completed within the Contract Period.

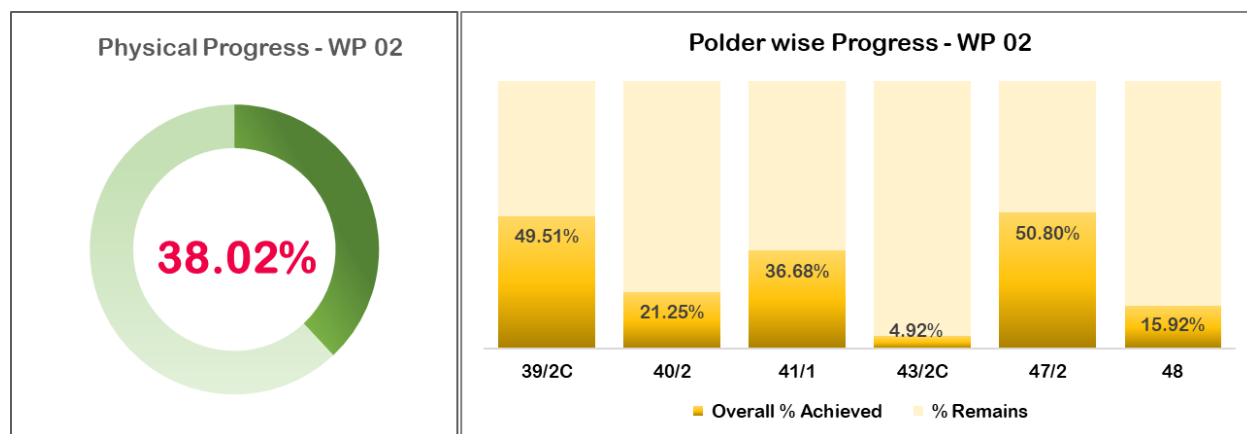


Figure 1-2: Polder wise Progress of Package-2

- 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 Consultants. However, as per the existing work program there was target to complete 67.50% of the Physical Work by November, 2019 but the actual progress achieved is 38.02% which indicates the lagging by 29.48%.

1.3 Other tasks of Consultants

The key issues for the month of November, 2019 regarding the other tasks of Consultants are summarised below:

- 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 the end of December, 2019.
- The RAP of Package-2 was prepared based on LAP & 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 resubmitted to the World Bank. The World Bank has approved the RAP after receiving the satisfactory responses of the observations.
- 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

1.4.1 Key challenges and risks

Key challenges and risks are listed below:

1. The weather conditions in November, 2019 was favourable for construction of civil works except the works of embankment re-sectioning.
2. Risks related to the site situations with respect to availability of lands remain almost same till November, 2019; 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;

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). Several times discussions were held with PD regarding Budget Neutral Modified Contract No-3 (MC-3) and the last discussion was held on 29th Augsut2019 at the PMU office chaired by the Project Director and attended by the BWDB Evaluation Committee and the Consultants. A detailed discussion was held and the Project Director gave some observations on the submitted proposed Budget Neutral Modified Contract No-3 and advices to submit the same after proper revision as discussed. The Consultant submitted updated proposal for Contract Modification No.-3 on 18th June 2019. PMU CEIP-1 response to the proposal on 20th June 2019 with some observations. Furthermore, a discussion meeting was held on 29th August 2019 among the Committee (formed by BWDB, headed by Chief Planning, BWDB, Dhaka), Consultant and PMU, CEIP-1 staffs, on the different unsettled issues those were included in the proposed Budget Neutral Contract Modification No.03. The Proposed Contract Modification No.-3 was submitted following the proceeding of the meeting. The Consultants have submitted the Contract Modification No.3 on 25th October 2019, vide Consultant's reference: BC5883-101-102_L0084_DJK_MIP dated: 24th October 2019 after modification of the Financial Tables as per observations of Project Director. The proposed Contract Modification was sent to the World Bank by the Project Director on 26th October 2019 for World Bank's concurrence. In response, the World Bank made some initial observations on 30th October 2019 requesting submission of i) Staffing schedule (including Key Staff) including timetable of activities and person both current (based on Modified Contract No 2) and ii) Deployment Plan of key and non-key Experts for home and field Based inputs for both current (based on Modified Contract No 2) as well as proposed. The Consultant addressed all the observations of the World Bank and submitted the same to the PMU for onward transmission to the World Bank. PMU sent the MC-3 to the World Bank on 24th October 2019. Finally, the World Bank provided concurrence towards the MC-3 on 5 November,2019. Immediately after obtaining the concurrence of the World Bank, the PMU sent the MC-3 to BWDB for the approval by the competent authority.

1.4.2 Recommendations

The following recommendations are made:

Revised Proposal for Contract Modification No.-3 has been submitted vide Consultant's reference: BC5883-101-102_L0084_DJK_MIP dated: 24th October 2019 to the PMU and should be signed soonest.

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 rd 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 including methodology and resource planning.	30-11-17	Contractor		Partly	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			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			Contractor Package-1 has involved international experts; Contractor Package-2 is gradually involving international experts.
Jan18-002	Take measures to further increase the progress of works Package-1	20-02-2018	Contractor and Engineer			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			The Contractor has failed to execute the work as per target in the last FY. 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 has 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"> ➤ Construction / Re-Sectioning of Embankment: 0.00Km (Full) & 0.00 Km (Part) ➤ Excavation / Re-Excavation of Drainage Channel: 0.00 Km ➤ Construction of Drainage Sluice: 1 no. (Full) & 2 nos. (Av.2.63%) ➤ Repair of Drainage Sluice: 2 nos. completed by June, 2019 ➤ Construction of Flushing Inlet:0 no. (Full) & 01 nos. (P). (0.00%) ➤ Repair of Flushing Inlet: 0 no. (0.00%) ➤ Embankment Slope Protection Works: 0.500 Km ➤ River Bank Protection Works: 0.00 Km ➤ Nalian Closure Dam: Foundation work.20.00%
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"> • 6,127 entities (residential HHs, commercial premises and common property structures) were identified during updating of Inventory of Losses (IoL) in March-November 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. • The final numbers of entities as of November 2019 stands at 5,365 of whom 4,637 non-titled (Squatters), 448 tenants and 280 as wage labors. • 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 in lac has been compensated against Package-1 up to November 2019.
6	LAP	<ul style="list-style-type: none"> • 132.56 Ha land was programmed for Land Acquisition (LA) in four polders. • Possession received a total of 119.91 ha and possession of total 11.12 ha lands are yet to be received of Polder 35/1 against three mouzas (Kumarkhali-1.62 ha, Rayenda-2.57 ha & Sharankhola Mouza-6.93ha). • New proposal has been submitted 0.85 ha for Polder no. 32 and 0.68 ha for Polder -35/3 and reconnaissance field visit completed on 27th November, 2019 for 0.68 ha. land.

No.	Item	Key Achievements during the month – Package-1
		<ul style="list-style-type: none"> • 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. • DLAC has approved 11.12 ha of land for acquisition (Kumarkhali, Rayenda & 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 & Rayenda) is under process. • As of November 2019, DC office Khulna & Bagerhat has paid a total BDT 6,164.46 lac against 2,467 nos. of awardees among Titled EPs (781 nos. of Polder-32, 383 nos. of Polder-33, 920 nos. of Polder-35/1 & 383 nos. of Polder-35/3). <i>Total 28 nos. of titled EPs have been paid under the CUL has been made in November 2019.</i>
7	Relocation	About 95% of paid EPs have already been relocated. 53.40% EPs have relocated on their own land; 12.43% on newly purchased land; 17.06% EP has replaced to their relatives or others' land; 11.95% have relocated temporarily at nearby area; about 1.63% of the paid EPs are yet to be relocated from the ROW. About 1.09% & 1.06% have relocated respectively in Market & Group Relocation.
8	Grievances	151 complaints/grievances have received up to November 2019 by GRC. 37 complaints/grievances have been resolved at the entry level, while 114 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 April 2018. Moreover, video conferences were conducted with WB Sr. Environmental Specialist (Mr. Takeaki Sato), when various EHS information were exchanged, when various guidelines were also provided, which are being followed for compliance by the Contractor. In the meantime, the Contractor has collected air, soil and water samples for testing of their qualities along with conduct of noise qualities of susceptible locations. The Contractor has also finalised the update of EAP and made translation into Chinese and Bangla for understanding of wider range of stakeholders.
10	Value of Physical Work Done	The total value of physical work done up to November 2019 is BDT 5,635.52 million and during November 2019 is BDT 12.10 million.
11	Finance	Total expenditure incurred up to IPC-21 is BDT 5,296.30 million including Adjustment for Changes in Legislation (VAT & IT) & Adjustment for Changes in Cost. An amount of BDT 637.74 million has been recovered from the advance payment of BDT 660.89 million.
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 schedule rate of Khulna O & M Circle and found determination rate is lower than the

No.	Item	Key Achievements during the month – Package-1
		<p>schedule rate of Khulna O & 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 24th 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.</p> <p>Draft Contract Supplement No.1 of Package-1 was prepared including VAT & IT adjustment for changes in legislation, Financing charges for delay payment for VAT, IT & IPC and additional cost for Physical & 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 29th 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 & 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 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"> ➤ Construction / Re-sectioning of Embankment: 0.00 Km (F) & 0.00 Km (P) ➤ Drainage Channel Excavation/Re-excavation: 0.00 km (F) ➤ Construction of Drainage Sluices: 29 nos. (Av. progress 8.58%) ➤ Repair of Drainage Sluices: 1 no. (0.00%) ➤ Construction of Flushing Inlets: 18 nos. (Av. Progress 3.25%) ➤ Repair of Flushing Inlets: 0 no. completed & 3 no. (Av. Pro. 3.33%) ➤ River Bank Protections: 0.310 Km (F) ➤ Embankment Slope Protection Work: 0.00 km (F)

No.	Item	Key Achievements during the month – Package-2
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 nd 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"> 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. 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 & Polder-48-1,394). A total of 2,742 EP ID cards have 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. 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
6	Preparation of LAP	<ul style="list-style-type: none"> 159.52 ha land was programmed for Land Acquisition (LA) in six Polders of 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. 139.26 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 & Jhalokathi for 39/2C, DC, Patuakhali for Polder-48. In Polder- 43/2C, total 11 mouza have been submitted to the DC office, Patuakhali. Among them issuance of notices U/S-4 have been issued against 5 (five) Mouzas (Golkhali, Purbogolkhali, Kalirchar, Charhoridevpur, Sohorirnirchar) & sent to the MoL for final approval. Remaining 6 (Six) mouza have been returned to BWDB by DC office, Patuakhali for necessary correction. The proposal for remaining 6 mouzas has resubmitted to DC, Patuakhali. The total area of Polder-43/2C becomes 19.05 ha. For Polder-39/2C, Notice U/S-7 has been served only for Seven mouzas till November 2019 and remaining 15 mouzas under Pirojpur District and five mouzas of Jhalokathi district also under process. Fund placed against final estimate to DC Pirojpur for 105.91 ha and DC, Jhalokathi for 10.18 ha. Payment of CUL has been recently started in Polder-40/2, 41/1 & 48 and paid BDT 758.08 lac to 452 APs.
7	Relocation	<ul style="list-style-type: none"> 57.27% EPs have relocated on their own land; 8.15% on newly purchased land; 12.23% EPs have relocated to relative's or others' land; 16.38% have relocated temporarily at nearby area; 21.17% of the paid EPs are yet be relocated from the ROW. 4.80% made

No.	Item	Key Achievements during the month – Package-2
		group relocation.
8	GRC & FGD	<ul style="list-style-type: none"> A total number of 45 complaints/grievances have been received up to November 2019 by GRC. 25 of them have been resolved in the entry level by the field investigation and remaining 20 cases under process for investigation and formal hearing by GRC. Total of 1019 focus group meetings have been held with resolution. Some of the groups have been met twice or more.
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 November 2019 is BDT 3,895.59 million and during November 2019 is BDT 249.52 million .
11	Finance	Total expenditure incurred up to IPC-10 is BDT 2945.82 million
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 th 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 is under preparation

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 under Package-3. The draft detailed design of all the infrastructures like Embankment, Drainage Channels, Drainage

No.	Item	Key Achievements during the Month – Package-3
		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 th October, 2019.
4	RAP	<ul style="list-style-type: none"> Following the accomplishment of the map of alignment fixing by the Engineering Team of DDCS & PMS Consultant, the LAP/RAP team has completed the Households (HHs) numbering and Inventory of Losses (IoL) survey in all 7 Polders under Package-3 of CEIP-1. A total of 20 Community/Stakeholder Consultation meeting were held at 15 different venues of the Polders. Draft RAP has been prepared.
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. Very recently the World Bank provided some comments on the EIA/EMP reports submitted earlier by the PMU which is being addressed by the consultants and expected to be finalized by the end of December, 2019. Specifically, the review of EIA report of Polder 14/1 is under process for accommodation of WB latest comments, which will be carried out in the remaining 6 EIA reports accordingly.

2.4 DDCS&PMS Consultancy Services

No.	Item	Key Achievements upto this Month - Consultant
1	Construction Supervision Systems/Tools	Package-1 physical progress is 80.67% (4 Polders). Package-2 physical progress is 38.02% (6 Polders). Package-3 no contract, hence no site works (7 Polders).

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 st 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 November 2019 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 November 2019, a total of **BDT 5984.36 in Lac** has been paid to the **4,054**

non-titled EPs (squatters), **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 November 2019

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
Total	4637	3997	448	0	280	54	5,365	4,054	5,984.36
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
Grand Total=								4,132	6,014.19

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 November 2019, DC office Khulna & Bagerhat has paid a total BDT **6,164.46** lac against **2,467 nos.** of awardees among Titled EPs (781 nos. of Polder-32, 383 nos. of Polder-33, 920 nos. of Polder-35/1 & 383 nos. of Polder-35/3). **28 nos. of EPs have been paid under the CUL has been made in November 2019.** 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 November 2019

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	3003	2086	1,615.37	781	450	1,136.31	70.34
33	2066	1317	770.04	375	193	573.08	74.42
	142	110	913.47*	8	4	38.79	4.25
35/1	1087	1087	4,525.92	920	786	3,363.67	74.32
35/3	489	489	1,510.51	383	305	1,052.61	69.69
Total=	6787	5089	9,335.31	2,467	1,738	6,164.46	66.03

* The payment of CUL by DC has just started for 3.34 ha. of land on Polder-33. The percentage has been decreased than October 2019 (72.28%) because the awardees have been increased for newly land acquisition in Polder 33 at Banishanta Mouza.

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

The payment has been made for **1,255** residential structures against target of **1,611**, paid for **63** nos. commercial structures out of **79** and paid for **1,144** nos. of land awardees out of **5,097**. Payment made for total **29** nos. titled EPs during the month of November 2019. 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 November, 2019

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	297	14	470	781
33	185	32	1,849	2,066	124	28	222	374
	66	12	64	142	03	0	01	04
35/1	729	15	343	1,087	606	15	299	920
35/3	234	6	249	489	225	6	152	383
Total=	1,611	79	5,097	6,787	1,255	63	1,144	2,462

3.1.3.4 Relocation Status and Assessment of Relocation in Package-1

Following the payment of compensation against the First to Ten 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, DDCCS&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 (57 nos.) of EPs from the total 74 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 November, 2019

Status of relocation	Number of squatters relocated by Polders					
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total	Progress (in %)
Relocated on own land	672	722	629	133	2,156	53.22
Relocated on purchased land	112	72	272	45	501	12.37
Relocated on relative & other's land	235	173	206	65	679	16.76
Relocated Temporarily at nearby area (Govt. Land)	208	172	98	02	480	11.85
Total Relocated-A	1,227	1,139	1,205	245	3,816	94.20
Not yet relocated	10	71	13	0	94	2.32
Market Relocation	6	0	21	17	44	1.09
Group Relocation	14	0	29	0	43	1.06
Total Relocation-B	30	71	63	17	181	4.47
Wage Labour Relocation*(Not Yet)	0	0	54	0	54	1.33
Total Relocation-C	0	0	54	0	54	1.33
Total Relocation target (A+B+C) =	1,257	1,210	1,322	262	4,051	100

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
Total=		2,797	1,200	54	4,051

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 **15.30%** people have been settled in purchased land and hope the group will be sustained.

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	1,586	56.70
Relocated on purchased land	103	38	243	42	428	15.30
Relocated on relative & other's land	175	136	152	10	470	16.80
Relocated Temporarily at nearby area (Govt. Land)	111	122	0	01	235	8.40
Not yet relocated	00	04	0	0	4	0.14
Group Relocation	14	31	29	0	74	2.65
Total =	870	871	905	151	2,797	100

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
Total =	387	339	363	111	1,200	100

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 **1,239** residential has relocated out of **1,240** where progress for the month of November 2019 is **12** and **63** commercial structures relocated out of target **63**. 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	295	295	14	14
33	121	121	28	28
	0	0	0	0
35/1	599	598	15	15
35/3	225	225	6	6
Total	1,240	1,239	63	63

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.

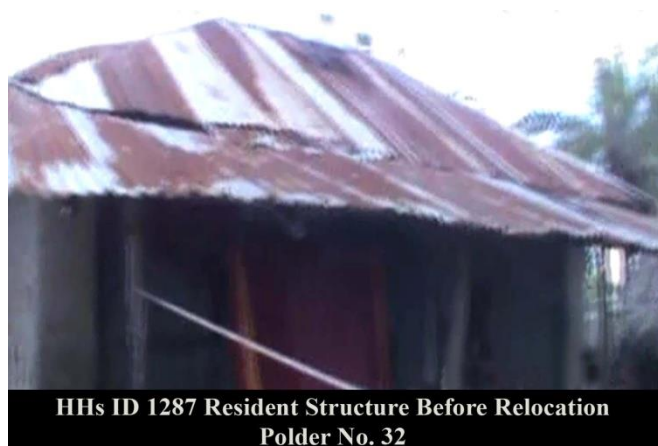


Figure 3-1: HH 1287 Before relocation of Polder-32



Figure 3-2: HH 1287 After relocation of Polder-35/1



Figure 3-3: HH1232 Before relocation of Polder-35/1

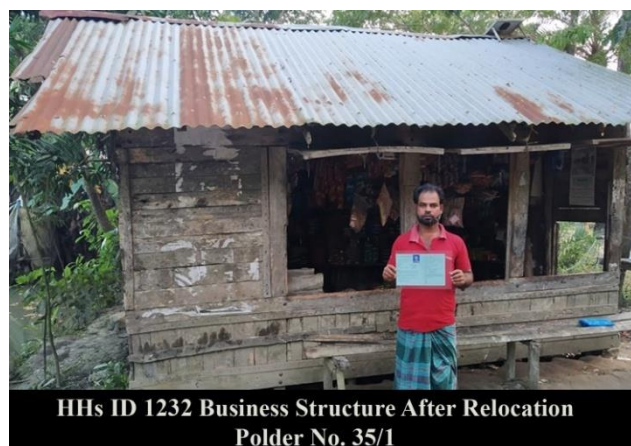
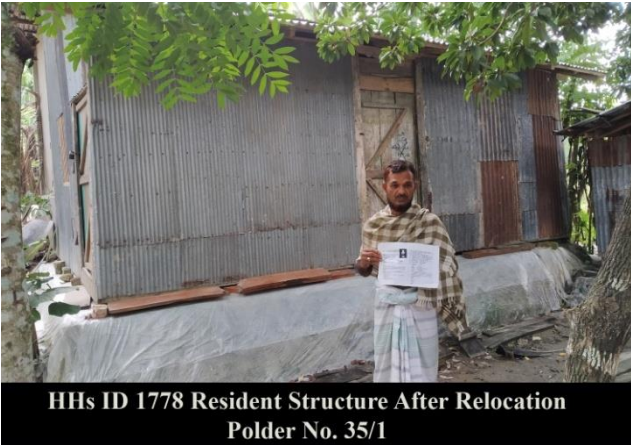


Figure 3-4: HH 1232 After relocation of Polder-35/1



HHs ID 1778 Resident Structure Before Relocation Polder No. 35/1



HHs ID 1778 Resident Structure After Relocation Polder No. 35/1



HHs ID 1733 Business Structure Before Relocation Polder No. 35/1



HHs ID 1733 Business Structure After Relocation Polder No. 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



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 **151 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. 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	45	16	29	00
2	Khulna	33	14	8	06	0
3	Bagerhat	35/1	25	6	19	00
4	Bagerhat	35/3	67	7	60	00
Total =			151	37	114	00

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.

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-33, 35/1 & 35/3. A total of 11.12 ha lands are pending for possession received of Polder 35/1 against three mouza (**Kumarkhali-1.62 ha, Rayenda-2.57 ha & Sharankhola Mouza-6.93 ha**). Possession received for Banishanta mouza against 3.34 ha land by BWDB from DC office Khulna on 23.09.2019 and CUL payment is under process. DLAC approved on 08 May 2019 for Sharankhola Mouza and remaining two mouzas (Rayenda & Kumarkhali) on 11 November 2019. In the meantime, Notice U/S-4 has been issued against Sharankhola Mouza on 27th May 2019. 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 November 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. New proposal has been submitted 0.85 ha for Polder no. 32 and 0.68 ha for Polder -35/3. Subsequently Reconnaissance field visit will be done very soon for 0.68 ha land for Polder 35/3. 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 155.13 ha. In the meantime, **139.26 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, proposal of LAP for total 11 mouzas 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, Sohorirnarchar) and 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, all of them are resubmitted to DC office, Patuakhali. For Polder-39/2C, Notice U/S-7 has been served only for Seven mouzas till November 2019 and remaining 15 mouzas under Pirojpur District and five mouzas of Jhalokathi district also under process. The payment of CUL is going in Polder-40/2, 41/1 & 48. The status of land acquisition for Package-2 is furnished in 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	51.50	50.65	50.65 (26.09.17)	0.85	-	1615.37	1136.31 (70.34%)	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.
2	33	Khulna	10.94	10.94	10.94	10.94	10.94 (27.09.17)	-	-	770.04	573.08 (74.42%)	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 *	38.79 (4.25%)	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	3,363.67 (74.32%)	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 November 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	24.81	24.81	24.81 (08.11.17)	0.68	-	1510.51	1,051.80 (69.69%)	New LA proposal has been submitted for Polder 35/3 0.68 ha and reconnaissance field visit completed on 27th November 2019 for 0.68 ha land.
Sub-Total =			132.56	132.56	131.03	119.91	119.91	12.65		(8421.84 +913.46) =9335.31	6164.46 (66.03%)	

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	39/2C	Pirojpur & Jhalokathi	116.09	116.09	116.09	116.09	-	116.09	--	10052.33*	--	Approved by MoL on 06.12.2017. Notice U/S-7 have been served for 15 mouzas under Pirojpur District & no Mouzas of Jhalokathi district remaining 7 mouza of Pirojpur District & 3 nos. mouzas of Jhalokathi District under process. Fund placed by BWDB to both DC's against CUL.
2	40/2	Barguna	12.45	12.45	12.45	11.67	9.54	2.14		879.92	431.45 (46%)	Approved by MoL on 13.03.2018 pending for court case-0.77 ha. Handed over by DC to BWDB. All Fund placed to DC by BWDB except Court Case portion (0.77 ha). Payment of CUL for 4 mouzas are ongoing.
3	41/1	Barguna	8.29	8.29	8.29	8.29	8.16	0.13		444.52	264.07 (56%)	Approved by MoL on 13.03.2018, payment of CUL for 7 mouzas is ongoing. Possession of 7 mouzas handed over by DC to BWDB.
4	43/2C	Patuakhali	19.05	19.05	14.66	--	--	10.03	9.02	--	--	DLAC completed 14.03.2018 & 10.09.18. Among total 11 mouzas, issuance of notices U/S-4 have been completed issued of 5 (five) Mouzas and those sent to the MoL for final approval and remaining 6 (Six) mouzas have been returned to BWDB for necessary correction. BWDB has resubmitted the LAP for 6 mouzas to DC, Patuakhali.
5	47/2	Patuakhali	2.57	2.57	2.31	2.31	--	2.57	-	--	--	Approved by MoL on 05/04/2018. Notice U/S-6 is completed and waiting for getting estimate from DC.
6	48	Patuakhali	1.07	1.07	1.07	0.90	0.90	1.07	0.17	341.54	62.56 (18%)	Approved by MoL on 9/7/18. Payment is ongoing (0.90 ha). DLAC has approved 0.17 ha of land on 05/08/2019 and send to MoL for final approval.
Total=			159.52	159.52	154.87	139.26	18.59	130.97	9.19	11718.31	758.08 (6.47%)	

* The payment of compensation has not yet started in Polder-39/2C.

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 Nos.	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	1489	37	15	52	21	06	27	11
40/2	156	705	1040	1745	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
Total=	1777	2060	2687	4747	751	63	814	328

Source: Updated IoL (June 2016 – November 2019)

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-tiled 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
Total=	4747	4,614	4,614	4,614	4,614	4,614

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	Total Paid Non-titled EPs	Paid Amount (BDT Lac)
1	39/2C	52	27	11	90	-	-
2	40/2	1,745	398	95	2238	731	722.22
3	41/1	844	68	12	924	411	487.87
4	43/2C	536	115	24	675	458	536.58
5	47/2	201	08	01	210	160	155.87
6	48	1,369	198	185	1,752	1000	1,061.38
Total =		4,747	814	328	5,889	2,760	2,963.92

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 November 2019, DC office Barguna and Patuakhali has paid a total BDT 758.08 lac against 452 nos. of awardees among Titled EPs (268 nos. of Polder-40/2, 180 nos. of Polder-41/1 & 04 nos. of Polder-48). 39 nos. of EPs have been paid under the CUL in November 2019. 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 November 2019.

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	Cheque distribution	Amount in BDT Lac
1	2	3	4	5	6	7	8	9
1	39/2C	-	-	-	-	-	-	-
2	40/2	Barguna	793	350	879.92	268	243	431.45 (49.03%)
3	41/1	Barguna	548	284	444.52	180	146	264.07 (59.07%)
4	43/2C	-	-	-	-	-	-	-
5	47/2	-	-	-	-	-	-	-
6	48	Patuakhali	26	12	341.54	04	04	62.56 (18.32%)
Total=			1,367	646	1,665.98	452	393	758.08 (45.50%)

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

Following the payment of compensation against the 1st to 3rd 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 2052 have relocated till November 2019.** 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						Total	%
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48			
Relocated on own land	219	163	235	98	318	1,033	37.27	
Relocated on purchased land	14	60	21	5	126	226	8.15	
Relocated on relative & other's land	79	51	86	3	339	186	12.23	
Relocated Temporarily at nearby area (Govt. Land)	74	73	54	49	204	454	16.38	
Total Relocated-A	386	347	396	155	768	2,052	74.03	
Not yet relocated	347	61	64	5	110	587	21.17	
Market Relocation	0	0	0	0	0	0	0.00	
Group Relocation	5	4	0	0	124	133	4.08*	
Total Relocation-B	352	65	64	5	234	720	25.97	
Total Relocation target (A+B) =	738	412	460	160	1,002	2,772	100	

*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 3-16: Two different Group relocation sites of Pochim Kuakata of Polder 48



Figure 3-17: Khajura village Group relocation of Polder-48



Figure 3-18: Another group of relocation of Pochim Kuakata of Polder 48



HH ID 226 Resident Structure before Relocation

Figure 3-19: HH 226 before relocation in Polder-41/1



HH ID 226 Resident Structure after Relocation

Figure 3-20: HH 226 after relocation in Polder-41/1



HH ID 758 Resident Structure before Relocation

Figure 3-21: HH 226 before relocation in Polder-41/1



HH ID 758 Resident Structure After Relocation

Figure 3-22: HH 226 after relocation in Polder-41/1



HH's No 415 Resident Structure Before Relocation Polder 41/1



HH's No 415 Resident Structure After Relocation Polder 41/1

Figure 3-23: HH 415 Before relocation in Polder-41/1 Figure 3-24: HH 415 After relocation in Polder-41/1

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	335	49	384
2	41/1	147	33	180
3	43/2C	262	158	420
4	47/2	96	64	160
5	48	631	169	800
Total=		1,471	473	1,944

3.1.19 Relocation of Physical Displaced household in Package-2

It is evident from the majority of the displaced people (43.37%) relocated to self-managed land. It is very important that 8.70% people have been settled in purchased land and hope the group will be sustained. Only 12.30% 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	181	64	103	57	233	638	43.37	
Relocated on purchased land	11	23	5	3	86	128	8.70	
Relocated on relative & other's land	50	24	52	3	20	149	10.13	
Relocated Temporarily at nearby area (Govt. Land)	62	28	28	28	100	246	16.72	
Not yet relocated	26	4	74	5	72	181	12.30	
Group Relocation	5	4	0	0	120	129	8.77	
Total =	335	147	262	96	631	1,471	100	

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	%
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48			
Relocated on own land	28	15	66	38	70	217	45.88	
Relocated on purchased land	0	2	0	2	2	6	1.27	
Relocated on relative & other's land	10	3	15	0	5	33	6.97	
Relocated Temporarily at nearby area (Govt. Land)	7	13	22	21	34	97	20.51	
Not yet relocated	4	0	55	3	54	116	24.52	
Group Relocation	0	0	0	0	4	4	0.85	
Total =	49	33	158	64	169	473	100	

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 November, 2019 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
Total =			45	25	0	0

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 November 2019

Polder No.	FGD Target	FGD Formation	FGD Meeting	During November 2019	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
Total =	227	227	1,019	17	1036

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 EHS Field visit to Package-1

A field visit was carried out in Package-1 by the following personnel during the period 10th November, 2019:

- Md. Amir Faisal, Senior Environmental Specialist, PMU, CEIP-1
- Dr. Md. Towhidul Islam, Environmental Specialist, PMU, CEIP-1
- Abu Bakr Siddique, Environmental Specialist, DDCS&PMC, CEIP-1

The Environmental Specialist team have conducted the following EHS activities during the visit:

Meeting with Fishery Specialist:

A meeting with the Fishery Specialist (Mr. Muniruzzaman), at 10.00 a.m on 12.11.2019, who has been employed by the Contractor, Package-1 for conservation of threatened fish species in the Polder areas. The Fishery Specialist, have identified the threatened fish species and he presented a work plan for conservation of the fish species. He was requested to review the threatened fish species with the available information at the concerned upazila fisheries offices. He was advised to prepare a revised work plan ending by June, 2020.

Conducting the Monthly EHS meeting

A monthly EHS meeting was organised by Executive Engineer, CEIP-1. Khulna at 11 a.m. on 12.11.2019 at his conference room where the above-mentioned environmental Specialists participated along with Dr. Abu H. Murshid, International Environmental Specialist of Third-Party M&E consultants and the Contractor, Package-1. The following EHS issues were discussed in details:

- Use of adequate PPE in all work sites along with work site of Nalian closure.
- Establishing proper hygienic latrine facility at all work site including the Nalian closure site.
- Strict compliance of EHS issues all working sites, where work still continues
- Maintenance of CC manufacturing yards which are not in-operation at present.

The minutes of the said meeting has already been circulated by concerned Executive Engineer.

Refresh training of EHS Officers (Package-1)

Conducted refresher training of the EHS Officers, both local and Chinese by the Environmental team of PMU and DDCS&PMS Consultants. Discussion was made on various EHS issues for further improvement of EHS qualities. They were also briefed of the improved bi-weekly EHS monitoring report as cleared by the World Bank. They were provided the knowledge for filling up the prescribed format.

Field visit in Nalian closure of Polder 32, Package-1

Mr. Amir Faisal, Sr. Environmental Specialist & Dr. Towhidul Islam, Environmental Specialist of PMU and Mr. Abu Bakr Siddique of DDCS&PMS Consultants visited the Nalian closure site along with the Contractor's EHS In-charge (Mr. Ren Gaufie) on 13.11.2019. The EHS compliances and non-compliance issues are stated below:

EHS Compliance issues:

- Have safe drinking water facility
- Have separate toilet facility for male and female workers of the workers' camp
- Have first aid facility in the camp
- Employed new EHS officer (on 12.11.2019) for improvement of EHS compliance qualities

EHS Non-compliance issues:

- There is no signboard of the works at work site
- The workers have no PPE during working
- No toilet facility established for the local workers
- There is no fire extinguisher at work sites
- There is no cautionary signboard at work site
- There is no traffic safety measure at work sites

The Contractor agreed to comply all the above requirements by 1-2 weeks' period for improvement of EHS issues at the Nalian closure work sites.

3.2.6 Review of EIA Report

The EIA report of Polder 14/1 of Package-3 is under review during this month (November, 2019) for incorporation of World Bank's latest comments. The review is still continued and it will be submitted to the World Bank for acceptance. After World Bank's finalization, the rest 6 EIA reports will be reviewed accordingly for finalization.

3.2.7 Environmental Information, Package-1

The number of workers both local and Chinese as have been provided by the Contractor, Package-1 is given in Table 3-24 below: Number of workers both local and Chinese is less, due to 2 reasons; one, there is absolutely no production of CC block in the automated manufacturing plants during the reporting period and two, the works could not be started fully due to the seasonal hazard (cyclone Bulbul delayed the working period). However, works for Nalian closure is an important activity in Polder-32 areas, where the workers are increasing with passage of time.

The noise recording has not been performed as none of the automated CC plant were in operation during the month (November, 2019), which are the important noise producing sources.

Various environment-related information has been furnished as reflected in the following table.

Table 3-24: Information for the month of November, 2019

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	71	11	02	82	00	00	00	
Polder 33	156	05	00	161	00	00	00	
Polder 35/1	121	15	04	136	00	00	00	
Polder 35/3	36	05	00	41	00	00	00	
Nalian Closure Dam.	170	08	05	178	00	00	00	
Khulna	17	12	01	29	00	00	00	
Total:	571	56	12	627	00	00	00	

3.2.8 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 November, 2019 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"> Demarcated all works clearly Installed Signals to indicate the entry and exits of vehicles and movement of construction equipment in the working area. Removed and preserved the top soil (from surface to 15 cm depth) for later use of replacing after construction. Disposed of excess soil at site with no objection from local authority. Conducted the toolbox talk before starting the work Erected the wire up to enough height before starting and ending of the work Checked the physical condition of excavator regularly Conducted the toolbox talk before starting the work Checked the physical condition of compaction vehicle regularly Checked the physical condition of truck regularly Conducted training on driving safety at regular interval Borrow area of earth was fixed on agreement with owner of land Documented all borrow agreements Complied borrow area excavation with safe distance from embankment as per technical specification. 	
2	32 Construction of Closure	Nalian Closure site	Occur accident, falling	<ul style="list-style-type: none"> All workers used life jackets working in Barge All worker used mask, helmets, gloves, 	

Sl. no.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
			down into the river	gumboots etc. • Demarked the whole working area of closure site • Installed cautionary sign board and signage at different locations • Checked the equipment and vehicles regularly • Conducted training on driving safety • Conducted tool box talking regularly	

3.2.9 Information on various environment-related issues, Package-2

Various environment-related issues that have taken place are furnished in the following table. The work of various work sites has not still started in full swing during the month after the monsoon, thus, there is less number of workers.

Table 3-26: Various environment related information/data

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	48	8	30	1	0	0	A worker fell from embankment and was treated in a clinic, who got cured and joined the work on next day
Polder 40/2	193	11	50	1	0	0	One slight finger injury which was treated with first aid facilities.
Polder 41/1	43	8	30	1	0	0	A worker got injury on finger, and was sent to the clinic and joined the work on next day
Polder 43/2C	30	3	20	0	0	0	
Polder 47/2	130	11	30	2	0	0	A worker got slight leg injury. Got cured with first aid and resume work without any interruption
Polder 48	48	8	30	1	0	0	A worker fell from embankment and was treated in a clinic, who got cured and joined the work on next day

3.2.10 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 November, 2019 are presented in Table 3-27 below.

Table 3-27: 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	Remarks
1	39/2C Automatic CC Block Manufacturing yard	Automatic Machine plant	Producing high Noise	• Workers used ear plug & ear muff • Provided close chamber for operator's room • Introduced shifting duties for workers working in high noise area • Monitored noise level regularly • Conducted periodic hearing check for high noise exposed workers • Cross checked by Environmental Specialist during EHS field visit	

Sl. no.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
			Emission of Dust	<ul style="list-style-type: none"> Sprayed water at certain intervals in the plant area Workers used masks Wet and clean the aggregate before use Cover/wet the dusty part of the materials 	
			Lockout-tagout (LOTO) of automatic plant	<ul style="list-style-type: none"> Automated CC plant checked regularly Checked electric, switch, fuel and all types of connection lines Preserved the key with designated person Used PPE by the workers 	
			Mixing area	<ul style="list-style-type: none"> Provided protective barrier around the hopper area 	
			Stockpile area	<ul style="list-style-type: none"> Sprayed water at regular intervals Maintained safe height of the stockpile 	
			Electric firing	<ul style="list-style-type: none"> Checked the switch board and wire system regularly Provided fire extinguisher and sand at strategic locations 	
			Fuel Storage	<ul style="list-style-type: none"> Established fuel storage shed Paved the fuel storage area Provided firefighting equipment and checked the expiration date of hydrants Avoided underground storage of fuel Provided eye protection glass and hand gloves Maintained minimum distance during fuelling and re-fuelling 	
			Forklift	<ul style="list-style-type: none"> Maintained Speed limit Prepared Safe operation manual Regular tool box talk conducted Provided separate lane for pedestrians and forklift 	
			Waste storage and disposal	<ul style="list-style-type: none"> Provided separate collection bin Installed designated dumping area Installed decanting boxes Established for collection of industrial waste Ensured safe disposal 	
2	39/2C, 41/1, 43/2C and 47/2 Bank Protection work (Barge)	Forklift	Occur accidents	<ul style="list-style-type: none"> Speed limit maintained Safe operation manual prepared Regular tool box talk conducted Established separate lane for pedestrians and forklift 	
		CC block stacking area	Collapse of stacked CC blocks	<ul style="list-style-type: none"> Stacking area is demarcated Provided cautionary sign board 	
		Lining of CC block	Worker may fall into the river	<ul style="list-style-type: none"> Provided life jacket to workers Provided a barrier at 0.5-1.0 m from the end of the barge 	
		Loading of CC block	May imbalance the barge due to uneven loading	<ul style="list-style-type: none"> Responsible person appointed to maintain balance during loading 	
		Dumping of CC block	Falling of excavator due to improper operation	<ul style="list-style-type: none"> Tool box talk conducted regularly Forklift safety procedures established Training of workers conducted 	

Sl. no.	Polder/site	Specific individual area	EHS Risk issues	Measures taken to mitigate the risk issues	Remarks
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"> • Avoided spilling of earth material in surface water. • Proper drainage provision has been kept to avoid formation of rain cuts due to surface run off. 	
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"> • Sprayed water at certain intervals in the mixture machine area • Wet and clean the aggregate before using • Conducted tool box talk regularly • Checked mixture machine regularly • Checked electric switch, fuel and all types of connection line during off and on of mixture machine • Preserved the key of mixture machine with the designated person only • Used ear plug and ear muff before starting the mixture machine • Sprayed water during intervals at stockpile areas • Demarcated the CC block stacking areas • Provided cautionary signboard at CC block stacking areas • Provided the fire-extinguisher at different locations • Closed all switch boards properly and checked by the responsible person at regular intervals • Used gas mask and eye protective glass properly during welding • Established signals to indicate entry & exit and movement in the working area • All workers equipped with PPE 	

3.2.11 Noise Quality Monitoring, Package-2

Noise records have been measured at various locations of 6 polders during the month of November, 2019 and those are furnished in the following tables:

Table 3-28: Noise level of Polder-39/2C

Monitoring Location:		Polder 39/2C - Camp Area, CC Block, Manufacturing plant & River Side
Monitoring Date		15-November-2019
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	Operator of Automatic CC Block Machine (Down)	
	Yard-1 (x-486822.98, y-501222.532)	76.4, 77.2, 76.8
	Yard-2 (x-486645.32, y-500866.968)	75.6, 76.8, 76.2
	Yard-3 (x-479145.64, y-497806.564)	
Measurement results, dB	Operator of Automatic CC Block Machine (Up)	
	Yard-1 (x-486822.98, y-501222.532)	74.5, 75.2, 74.85
	Yard-2 (x-486645.32, y-500866.968)	75.2, 75.4, 75.3
	Yard-3 (x-479145.64, y-497806.564)	
	Area for Tray Replacement x-486835.47, y-50222.124	70.4, 71.2, 70.8

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)	87.2, 87.6, 87.4 86.4, 87.2, 86.8
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)	88.2, 89.4, 88.8 87.4, 88.3, 87.85
CC Block Stack Area (80 M from Machine) x-486734.18, y-501289.32	68.2, 72.6, 70.4
Workshop Area x-486732.741, y-502101.72	69.2, 70.4, 69.8
Camp Area x-486715.108, y-502101.107	58.4, 59.3, 58.85
Community (East) x-486513.74, y-502104.15	60.2, 60.1, 60.75
Community (West) x-486789.23, y-502103.163	59.3, 60.2, 59.75
River Side x-486899.756, y-501973.934	60.4, 60.3, 60.35
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 3-29: Noise level of Polder-40/2

Noise Record		
Monitoring Location	Polder 40/2, camp	
Monitoring Date	30.11.2019 (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)	69,72.69
	curing area (start point) (E497106.635 N434368.626 2.78)	65.6,64.1,67
	curing area (end point) (E497090.418 N434360.046 2.31)	70,66.8,69
	stacking area (E497126.491 N434341.003 2.88)	60,61.2,61
	Generator house (E497000.16 N434328.054 3.05)	80.6,81.1,80
	Kitchen (E497101.516 N434323.099 2.64)	61,59.6,58
	Camp room No.1(E497100.876 N434366.099 2.66)	57.1,57,56.8
	Camp room No.2(E497121.312 N434331.878 2.65)	55,58,56.3
Worker rest house (E497090.418 N434360.046 2.31)	56.6,57,56.8	
Daytime standard of sound, dB (ECR 1997)	50(residential area);60(mixed area);70(commercial area)	

	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-41/1

Noise Record		
Month: November, 2019		
Monitoring Location	Polder 41/1 Coordinates: N447305.458 E521446.412	
Monitoring Date	30.11.2019 (Day time)	
Noise Meter Model	Digital sound level meter AS804	
Major noise sources during monitoring	CC block pre casting yard, Generator	
Location category	Industrial 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 E521434.048	60.5,56,53.6
	Kitchen N447392.819 E52141.700	48,47,46
	House No.1 N447368.946 E521409.219	46,48,44
	House No.2 N447389.027 E521416.627	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 3-31: Noise level of Polder-43/2C

Noise Record		
Month: November, 2019		
Monitoring Location	Polder 43/2C, construction camp Coordinates: N454928.496 E540920.040	
Monitoring Date	30.11.2019 (Day time)	
Noise Meter Model	Digital sound level meter AS804	
Major noise sources during monitoring	labor working	
Location category	Industrial area	
Measurement results, dB	Camp area N454928.496 E540920.040	51.3,52.9,53.2
Daytime standard of sound, dB (ECR 1997)	50(residential area);60(mixed area);70(commercial area)	

		area);75(industrial area)
Monitoring Location		Polder 43/2C, FS118 construction site Coordinates: N454740.798 E540181.012
Monitoring Date		30.11.2019(Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		FS118, Generator
Location category		Industrial area
Measurement results, dB	FS118 country side N454704.912 E540183.263	45.1 46.2 47.5
	CC Block manufacture area	57.9 58.4 52.6
	Mixer machine	69.2 71.2 76.9
	Generator	71.2 73.1 74.5
	FS118 box area	61.1 62.3 68
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-47/2

Noise Record		
Month: November, 2019		
Monitoring Location		Polder 47/2 Coordinates: N423238.5061 E518603.9325
Monitoring Date		30.11.2019 (Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Industrial area
Measurement results, dB	CC mixer machine N423140.8130 E518585.0610	73, 69, 76
	curing area (start point) N423082.1580 E518565.5899	57.2, 58.1, 56.2
	curing area (end point) N423188.9492 E518591.5960	60.1, 60.8, 64.3
	stacking area N423116.8499 E518559.1663	54.9, 58.9, 62.3
	Kitchen N423202.3607 E518670.3063	70, 65, 68
	House No.1 N423214.5893 E518670.7678	62.1, 60.2, 61.0
	Outside of generator	85, 72, 76
Inside of generator	90, 93, 95	

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-48

Monitoring Location	Polder 48, CC block yard Coordinates: N416325.431 E512365.154	
Monitoring Date:	30 November/2019	
Noise Meter Model	Digital sound level meter AS804	
Major noise sources during monitoring	Generator	
Location category	Industrial area	
Measurement results, dB	CC Mixer machine N416380.152 E512338.650	63,62,63
	curing area (start point) N416365.201 E512314.320	60,61,62
	curing area (end point) N416412.693 E512374.993	60,59,61
	stacking area N416410.630 E512390.085	58,58,57
	Kitchen N416375.098 E512307.765	59,58,60
	House No.1 N416359.302 E512310.137	52,50,51
	House No.2 N416365.201 E512327.038	51,52,50
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)	

3.2.12 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 3-34: 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
Total =		209.98	209.98	209.98	167.37	167.37	0	53	53	5	19	19	0

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	
	Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved		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
1.60	1.60	0.00	4.78	4.78	0.00	7.00	7.00	0.00	5.00	0.00	0.00

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 reports require incorporation of the responses of World Bank's latest comments for their finalization.

3.3.4 Development of format for workers' information

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.

3.3.5 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.

3.3.6 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 3rd 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 30 November, 2019. The contract 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.

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

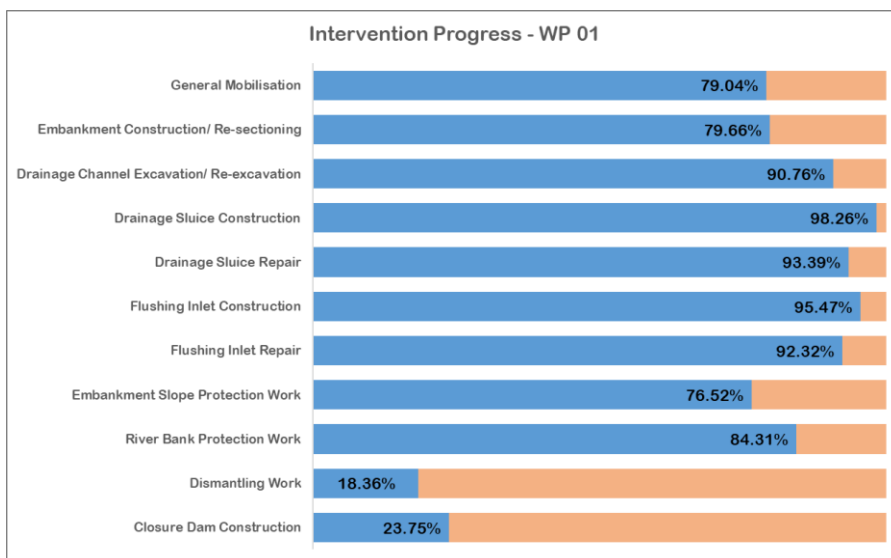


Figure 3-25: Item Wise Progress of Package-1

are mostly completed. Total expenditure incurred up to IPC-21 is BDT 5,296.30 million including adjustment for changes in legislation (VAT & IT) and adjustment for changes in cost. Construction of 36 nos. Drainage Sluices out of 38 nos. has already been completed, 2 nos. drainage sluices are going on. Out of 30 nos. Flushing 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 146.163 km and partially completed 22.487 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 3-25.

3.4.2 Physical Progress (Mile Stone Matrix)

Table 3-35: Physical Works Status of Package-1 as on 30 November 2019

Item	Unit	Contract Quantity	Tentative Program FY 2019-2020		Cumulative upto October, 2019		Current Month		Cumulative upto November, 2019	
			Full	Part	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed
Embankment Construction/Re-sectioning	Km	200.617	54.454	0	146.163	22.387	0.000	0.10	146.163	22.487
					72.86%	72.86%	0.00%	0.00%	72.86%	72.86%
Drainage Channel Excavation/Re-excavation	Km	151.210	36.44	0	114.77	0.000	0.000	0.000	114.77	0
					75.90%	0	0.00%	0.00%	75.90%	0
Drainage Sluice Construction	No.	38	3	0	35	3	1	2	36	2
					92.11%	93.00%	2.63%	0.00%	94.74%	93.00%
Drainage Sluice Repair	No.	2	0	0	2	0	0	0	2	0
					100.00%	88.00%	0.00%	0.00%	100.00%	88.00%
Flushing Inlet Construction	No.	30	2	0	28	1	0	0	28	1
					93.33%	82.15%	0.00%	0.00%	93.33%	82.15%
Flushing Inlet Repair	No.	14	2	0	12	1	0	0	12	1
					85.71%	68.82%	0.00%	1.30%	85.71%	70.12%
Embankment Slope Protection Work	Km	19.966	4.652	0	9.188	-	0.500	-	9.688	-
					46.02%		2.50%		48.52%	
River Bank Protection Work	Km	4.45	0.40	0	4.150	-	0.000	-	4.150	-
					93.26%		0.00%		93.26%	
Closure Dam Construction	No.	1	1	0	-	75% of the foundation works	-	20% of the foundation works	-	95% of the foundation works

Table 3-36: Polder wise Physical Works status of Package-1 as on 30 November 2019

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	7	1	0	99.91%	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
	Total	39	1	38	36	2	0	99.94%	5	41	11	30	28	1	1	96.62%	10

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
	Total	2	0	2	2	0	0	100.00%	0	30	16	14	12	1	1	91.79%	0

		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	2.97	25.29%	18	70.50	47.50	67.38%	3,628,072	2,760,128	76.08%
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%
Package 1	4.450	4.150	93.26%	19.97	9.688	48.52%	40	151.21	114.77	75.90%	7,386,429	6,015,522	81.44%	

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	30.04	60.48%	0.00	0.00	NA	30.70	21.96	71.52%	18.96	8.08	42.61%	0.00	6.12	8.28
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	1.37
Package 1	35/1	61.97	38.80	62.61%	0.00	0.00	NA	55.25	36.63	66.30%	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
Package 1	200.617	146.163	72.86%	0.000	0.000	NA	156.769	122.827	78.35%	41.90	23.34	55.70%	0.000	11.908	10.579	

Table 3-37: 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 26 November 2019	Remarks
Package 1																		
Polder-32																		
1	32	Nalian	0.483	0.000	0.483	Resectioning	N	NA	23,228	15,000	0.000	0.483	10,272	0	65%	0%	59%	Work in Progress
2	32	Nalian	1.393	0.483	1.876	Retired	N	NA	63,519	43,000	0.500	0.893	29,624	0	68%	0%	62%	Work in Progress
3	32	Gunari	0.624	1.876	2.500	Resectioning	N	NA	29,858	15,000	0.250	0.374	13,270	0	50%	0%	46%	Work in Progress
4	32	Gunari	2.690	2.500	5.190	Retired	N	NA	141,764	113,411	1.200	1.490	57,207	0	80%	0%	74%	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%	99%	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%	Work in Progress
7	32	kalabogi	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	kalabogi	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	27152	0.000	1.040	22,117	0	60%	0%	55%	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	25,000	0.500	0.457	20,352	15000	66%	74%	66%	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	25,000	0.900	0.183	23,032	0	62%	0%	57%	Work in Progress
21	32	Kamarkhola & Kalinagar	3.814	21.357	25.171	Resectioning	N	NA	49,814	41,000	3.770	0.044	81,111	70000	82%	86%	83%	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	52,000	4.300	0.256	96,891	80000	76%	83%	76%	Work in Progress
24	32	Sutarkhali	0.144	30.528	30.672	Retired	N	NA	5,221	2,000	0.000	0.144	3,062	0	38%	0%	35%	Soil Pretaretion in Progress
25	32	Sutarkhali	0.577	30.672	31.249	Resectioning	N	NA	9,238	5,000	0.000	0.577	12,271	0	54%	0%	50%	Soil Pretaretion in Progress
26	32	Sutarkhali	0.621	31.249	31.870	Retired	N	NA	32,273	5,000	0.000	0.300	13,207	0	15%	0%	14%	Work not yet started due to negligence by contractor.
27	32	Sutarkhali	0.312	31.870	32.182	Resectioning	N	NA	11,679	0.000	0.000	0.000	6,635	0	0%	0%	0%	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	50,000	3.000	0.294	70,052	60000	76%	86%	77%	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	20,000	0.000	0.500	24,159	0	47%	0%	43%	Work in Progress
34	32	kalabogi	0.346	43.046	43.392	Retired	N	NA	15,286	1,000	0.000	0.346	7,358	0	7%	0%	6%	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	5,000	0.000	0.300	16,950	0	10%	0%	10%	Work in Progress
37	32	kalabogi	1.283	45.266	46.549	Resectioning	N	NA	33,848	25,000	0.800	0.483	27,285	0	74%	0%	68%	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	7,000	0.300	0.018	6,763	0	71%	0%	65%	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	38,000	1.000	0.361	28,944	0	77%	0%	71%	Work in Progress
42	32	Nalian	0.971	48.695	49.666	Retired	N	NA	65,931	50,000	0.500	0.471	20,650	0	76%	0%	70%	Work in Progress
Total Polder-32 =			49.666						1,618,396	1,070,997	30.040	14.407	1,056,230	448,687	66%	42%	61%	

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#	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 26 November 2019	Remarks
Polder-33																		
1	33	Banishanta	0.474	0.000	0.474	Retired	Yes	NA	24,964	7,489	0.000	0.474	9,084	0	30%	0%	28%	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	-	0.000	0.000	13,990	0	0%	0%	0%	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
Total Polder-33 =			49.154						1,004,255	831,990	41.591	1.370	942,027	737,297	83%	78%	76%	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 %.

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#	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 26 November 2019	Remarks
Polder-35/1																		
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	3533	0.000	0.300	3300	0	30%	0%	28%	Work not yet started.
6	35/1	Kumarkhali	0.700	4.200	4.900	Resectioning	N	NA	27,485	24,100	0.500	0.200	7700	0	88%	0%	81%	Work in progress
7	35/1	Kumarkhali	0.250	4.900	5.150	Resectioning	N	NA	9,816	0.000	0.000	0.000	2750	0	0%	0%	0%	Work will be started soon
8	35/1	Kumarkhali	1.100	5.150	6.250	Resectioning	N	NA	43,191	37,000	0.800	0.300	27300	0	86%	0%	79%	Work in progress
9	35/1	Kumarkhali	0.750	6.250	7.000	Resectioning	N	NA	29,449	29450	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	0.000	0.000	0.000	44900	0	0%	0%	0%	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	28,000	0.500	0.425	21275	1116	77%	5%	71%	Work in progress
15	35/1	Rajoir	2.990	15.930	18.920	Resectioning	N	NA	188,824	160,500	2.000	0.690	88030	17940	85%	20%	80%	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	17,669	0.400	0.100	20500	0	90%	0%	83%	Work in progress
19	35/1	Tafalbari	0.500	20.500	21.000	Resectioning	N	NA	19,632	19,600	0.500	0.000	14500	0	100%	0%	92%	Work in progress
20	35/1	Gabtola	2.500	21.000	23.500	Resectioning	Yes	NA	98,162	80,000	2.200	0.300	72500	0	81%	0%	75%	Work in progress
21	35/1	Gabtola	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	39,265	0.000	2.000	44000	0	50%	0%	46%	Work in progress
23	35/1	Sharankhola	1.150	28.000	29.150	Resectioning	N	NA	45,155	45,000	1.150	0.000	25300	18000	100%	71%	97%	Work in progress
24	35/1	Sharankhola	1.450	29.150	30.600	Resectioning	N	NA	56,934	56,900	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	90,000	2.300	0.000	50600	35000	100%	69%	97%	Work in progress
27	35/1	Sonatala	1.500	35.000	36.500	Resectioning	N	NA	25,500	25,500	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	41,700	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	33500	0.850	0.000	17850	8000	100%	45%	95%	Work in progress
30	35/1	Rasulpur	3.110	39.350	42.460	Resectioning	N	NA	79,630	79,600	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	5,400	0.140	0.000	3080	2000	98%	65%	96%	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	45,000	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
Total Polder-35/1 =			61.972					2,317,570	1,475,388	38.802	4.565	1,450,228	343,204	64%	24%	70%		

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Polder-35/3																		
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		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
Total Polder-35/3 =			39.825						1,393,578	1,303,891	35.730	2.145	824,160	660,606	94%	80%	87%	
Grand Total of Package-1			200.617						6333798.58	4682266.20	146.163	22.487	4272645.27	2189793.62				

Table 3-38: 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 November 2019	Remarks
Package 1								
1	32	Charar (DS-1)	1.500	1.300	26,784	23,213	86.67%	Work in Progress
2	32	Hatkhola (DS-2)	3.500	3.500	50,830	50,830	100.00%	Work completed.
3	32	Para (DS-3)	4.500	3.900	34,772	30,136	86.67%	Work completed.
4	32	Kayratoli (DS-7)	3.000	3.000	25,979	25,979	100.00%	Work completed.
5	32	Clozarer (DS-8)	3.000	0.000	8,019	0	0.00%	Work will be started soon.
6	32	Jaliakhali (DS-16)	2.000	1.750	22,949	20,080	87.50%	Work in Progress
7	33	Bojan, DS 1	2.000	2.000	55,535	55,535	100.00%	Work completed.
8	33	Khajura, DS 2	5.500	5.500	13,220	13,220	100.00%	Work completed.
9	33	Borobage (DS-3)	7.500	7.500	82,692	82,692	100.00%	Work completed.
10	33	Bolder, DS 4	1.000	1.000	18,618	18,618	100.00%	Work completed.
11	33	Chara, DS 5	10.000	10.000	60,075	60,075	100.00%	Work completed.
12	33	Dhopadi, DS 6	4.000	4.000	61,069	61,069	100.00%	Work completed.
13	33	Dacope, DS 7	4.000	4.000	115,278	115,278	100.00%	Work completed.
14	33	Bajua, DS 9	8.890	8.000	192,809	173,506	89.99%	Work in Progress
15	33	Pachin Baju, DS 10	8.500	0.000	4,825	0	0.00%	Will be started soon.
16	33	Khuntakhali, DS 11	4.500	4.500	19,416	19,416	100.00%	Work completed.
17	33	Borobaker, DS 12	6.000	6.000	20,444	20,444	100.00%	Work completed.
18	33	Kata, FS 9	1.320	1.320	28,247	28,247	100.00%	Work completed.
19	35/1	Terabeka,DS-08(Khal-01)	2.500	2.500	18,304	18,304	100.00%	Photo & video before and after excavation yet to be received.
20	35/1	Rayenda,DS-04(Khal-20)	9.500	9.000	81,985	77,670	94.74%	Photo & video before and after excavation yet to be received,spoil
21	35/1	Satgharer,DS-18(Khal-02)	1.000	0.000		0	0.00%	Shop drawing yet to be received.
22	35/1	Gabtota,DS-07(Khal-04)	2.000	1.900	10,575	10,046	95.00%	Photo & video before and after excavation yet to be received.
23	35/1	Tafalbari(Khal-06),DS-06	6.000	5.700	45,093	42,838	95.00%	Photo & video before and after excavation yet to be received.
24	35/1	Sonatola(Khal-11),DS-10	2.500	2.400	14,468		96.00%	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	85.00%	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	94.29%	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	0.00%	Shop drawing yet to be received.
28	35/1	Kumarkhali(Khal-64),DS-02	12.500	0.000		0	0.00%	Shop drawing yet to be received.
29	35/1	Sannashir(Khal-73),DS-01	1.500	1.400	11,825	11,037	93.33%	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	0.00%	Work yet to be started.
31	35/1	Kabirajer(Khal-79),DS-13	3.500	3.300	38,743	36,529	94.29%	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	73,250	94.29%	Photo & video before and after excavation yet to be received,spoil
33	35/1	Khajurbaria(Khal-90),DS-17	5.500	5.300		0	96.36%	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	66,111	95.56%	Photo & video before and after excavation yet to be received,spoil
35	35/1	Fajjipara(Khal-76),DS-14	1.000	0.000	7,695	0	0.00%	Work yet to be started.
36	35/3	Care Khal		0.000	0	0		Not required hence it is drop.
Total			151.21	114.770	1,359,203.48	1,233,680.62	90.76%	

Table 3-39: 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 block placing - Gate	Weighted % progress (30 November 2019)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Drainage Sluice												
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%	95%	99.25%	N	NA		Gate and hoisting system not yet installed as per revised design drawing..
7	DS	DS-11	32	100%	100%	100%	100%	100.00%	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-18	35/1					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.

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Table 3-40: 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 block placing - Gate	weighted % progress (30 November 2019)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Flushing Sluice												
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.
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 3-41: 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 block placing - Gate	CC	Weighted % progress (30 November 2019)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Repairing of Drainage Sluices													
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
Repairing of Flushing Sluices													
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

Table 3-42: 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 November 2019	Remarks
Package 1													
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%	Work in progress
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
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
20	35/1	0.750	8.000	8.750	N	NA	0%	75%	0%	0%	0.000	57.75%	Resectioning of embankment not yet completed.After completion of
21	35/1	0.500	13.200	13.700	N	NA	0%	75%	0%	0%	0.000	57.75%	Embankment not yet started. After completion of embankment work
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.
23	35/1	5.000	20.500	25.500	Y		80%	80%	60%	70%	1.600	77.30%	1.500 km length is completed in between km 21.00 to km 23.200.
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
	Total	19.966									9.688	78.78%	

Table 3-43: 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 26 November 2019	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%	Proposed to shifting from km 3.9 to 4.1. 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	0.600	3.300	3.900	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 3-44: 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 (April 19)	LA Problem	LA - Current Status	Remarks
Closure Dam Construction								
1	Nalian Closure	32	95.00%		24%	N	NA	Work in progress

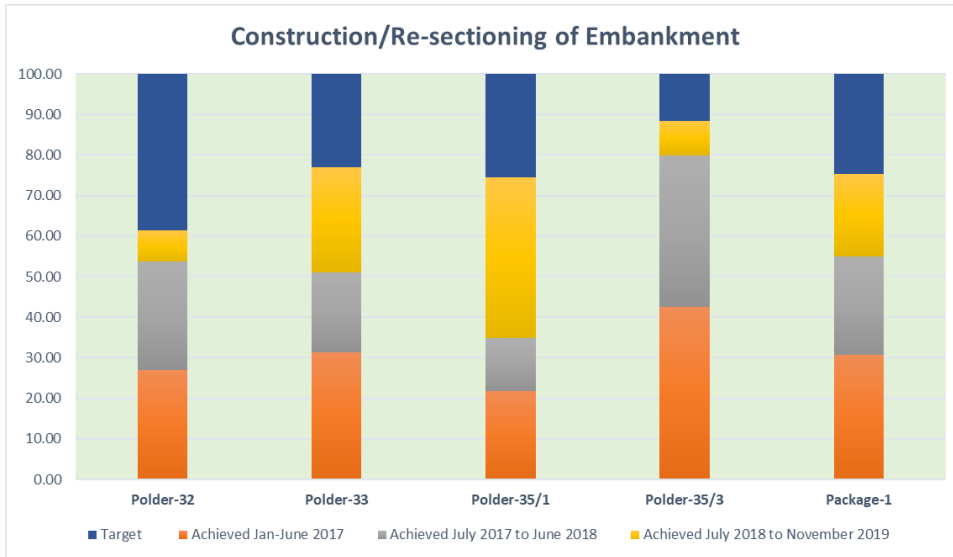


Figure 3-26: Construction/Re-sectioning of Embankment of Package-1

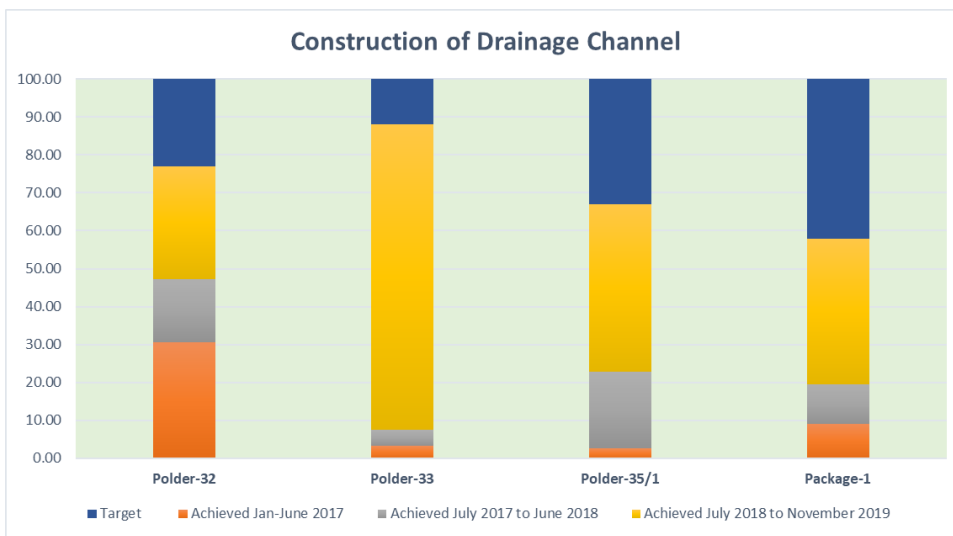


Figure 3-27: Drainage Channel of Package-1

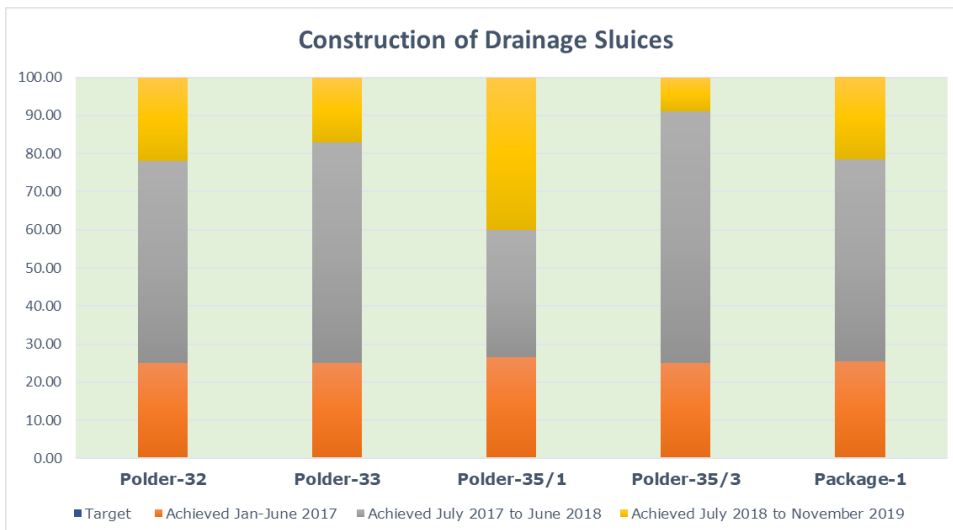


Figure 3-28: Construction of Drainage Sluices of Package-1

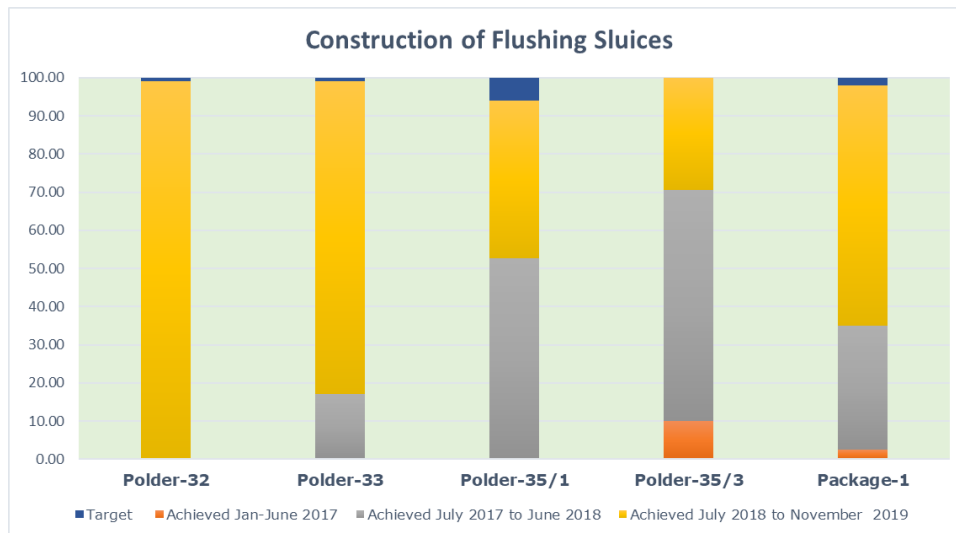


Figure 3-29: Construction of Flushing Sluice of Package-1

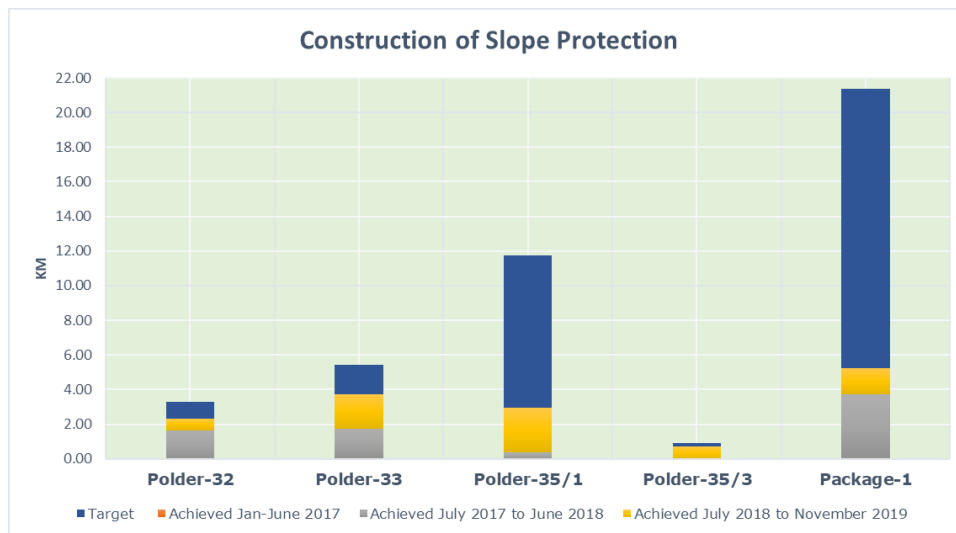


Figure 3-30: Construction of Slope Protection of Package-1

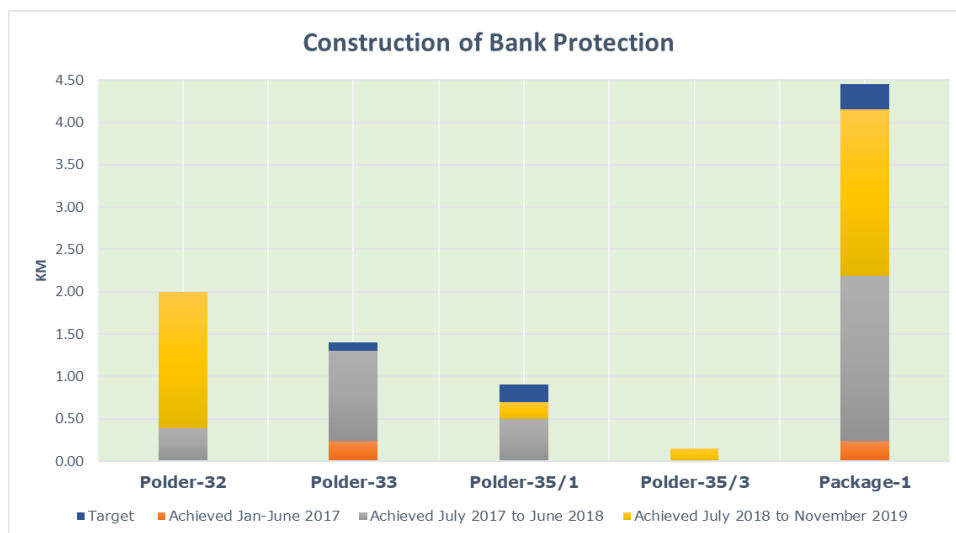


Figure 3-31: Construction of Bank Protection works of Package-1

Figure 3-32: CC Blocks Production of Package-1

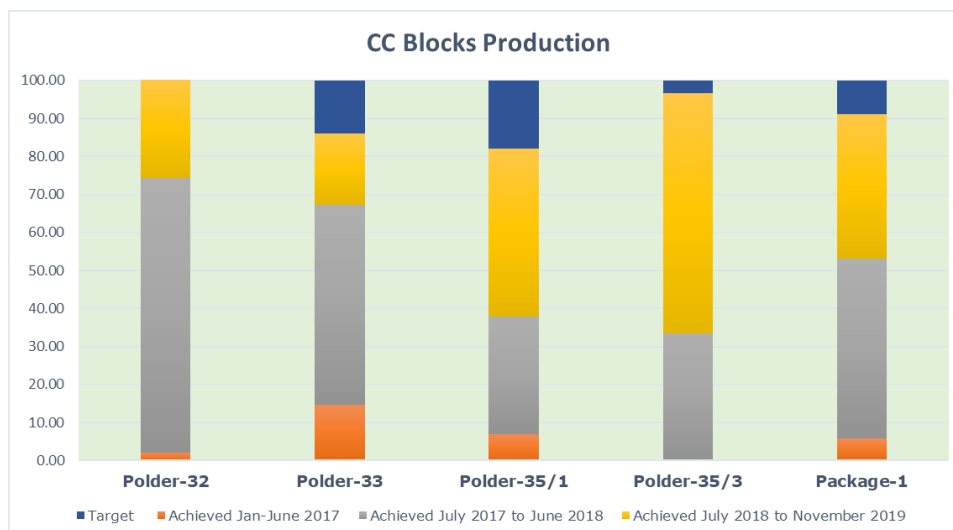


Table 3-45: Progress as on November 2019

Item	Unit	Contract Quantity	Status 30 Nov. 2019	
Embankment Construction/Re-sectioning	Km	200.617	146.163	(F)
			22.487	(P)
Drainage Channel Excavation/Re-excavation	Km	151.210	114.770	(F)
Drainage Sluice Construction	No.	38	36	(F)
			2	(P)
Drainage Sluice Repair	No.	2	2	(F)
			0	(P)
Flushing Inlet Construction	No.	30	28	(F)
			1	(P)
Flushing Inlet Repair	No.	14	12	(F)
			1	(P)
Embankment Slope Protection Work	Km	19.966	9.688	(F)
River Bank Protection Work	Km	4.45	4.150	(F)
Closure Dam Construction	No.	1	95% of the foundation works	

Table 3-46: CC Blocks Production as on November 2019

S.N.	Polder Number	Estimated Quantity As per Variation Order No. 2 (Updated)	Cumulative Total as of 31 Dec 2016	Cumulative Total as of 31 August 2017	Cumulative Total as of 31 October 2019	Production during November 2019					Cumulative Total as of 30 November 2019
						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	0	0	0	0	0	2,760,128
3	35/3	220,567	60,620	369,555	212,954	0	0	0	0	0	212,954
Total =		7,386,429	178,329	1,424,844	6,015,522	0	0	0	0	0	6,015,522



Figure 3-33: Completed Embankment in Polder-32



Figure 3-34: Completed Slope Protection Works in Polder-32



Figure 3-35: Completed DS of Polder-32



Figure 3-36: DS-9 of Polder-33



Figure 3-37: DS-10 of Polder-33



Figure 3-38: Completed Slope Protection Works in Polder-32



Figure 3-39: FS-17 of Polder-33



Figure 3-40: DS-5 of Polder-35/1



Figure 3-41: DS-6 of Polder-35/1



Figure 3-42: FS-2 of Polder-35/1



Figure 3-43: FS-13 of Polder-35/1



Figure 3-44: DS-1 of Polder-35/3





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



Figure 3-46: FS-2 of Polder-32

Total nos. of Flushing sluice to be repaired as per contract was 30 nos. out of which 16nos. 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

Sl 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
Total =		30 Nos.	14Nos.	16Nos.	

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 in progress and will be completed.

Table 3-48: List of Flushing Sluices Dropped from the repairing Program

Flushing Sluices	Reasons for dropping
Polder 32	
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
Polder 33	
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	0	0	1	0
2	Technical Staff	30	41	10	7	8	6	4	7	5	11	3	10
3	Operator/ Driver	5	85	0	2	0	23	0	10	4	15	1	35
4	Skilled Worker	5	58	0	3	1	16	0	8	0	8	4	23
5	Common Labor	1	283	0	4	0	36	1	150	0	53	0	40
6	Logistic	5	15	1	1	1	4	1	4	1	2	1	4
Total		50	482	12	17	11	85	7	179	10	89	11	112

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) (nos.)	Dum Truck and carry Scrapper	Excavator	Concrete Mix Machine	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader	B.dozer/S.F roller/ Compactor (150HP) (nos.)	Dum Truck /Carry Scrapper/ 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	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
Total	28	104	56	40	28	6	7	7	4	4	24	14	25+4+5 =34	63+18+121 =202	45	37	16	4	6	4	4	4	10	17

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 November 2019 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	
IPC-23	Jan. 2020	186,162,136	
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	
Total		1,925,555,088	

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 November, 2019 are shown below:

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

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

❖ 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”

SI. 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
Total =		12.622	76,423,135

❖ Total available budget as per Variation Order-04: BDT: 259,934,799.56

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
Total				7.62			39,991,142		

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
Total				12.62			76,423,135		Total

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

3.5.1 Introduction

This MPR covers all major site activities executed in each Polder up to 30 November, 2019 for Package-2. The Contract for Package-2 was signed 8 March 2017 for the execution of Rehabilitation/Reconstruction and upgrading of six Polders in total, namely Polder-39/2C, 40/2, 41/1, 43/2C, 47/2 & 48 under CEIP-1 (Contract No: CEIP-1/W-02)

The Contractor completed the administrative work site visits & dossier for the 5% advanced payment and took possession of sites and the employee has paid in total 10% advanced payment to the contractor.

Upon receipt of the total 10% 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 item wise physical progress is reflected in the Figure 3-48

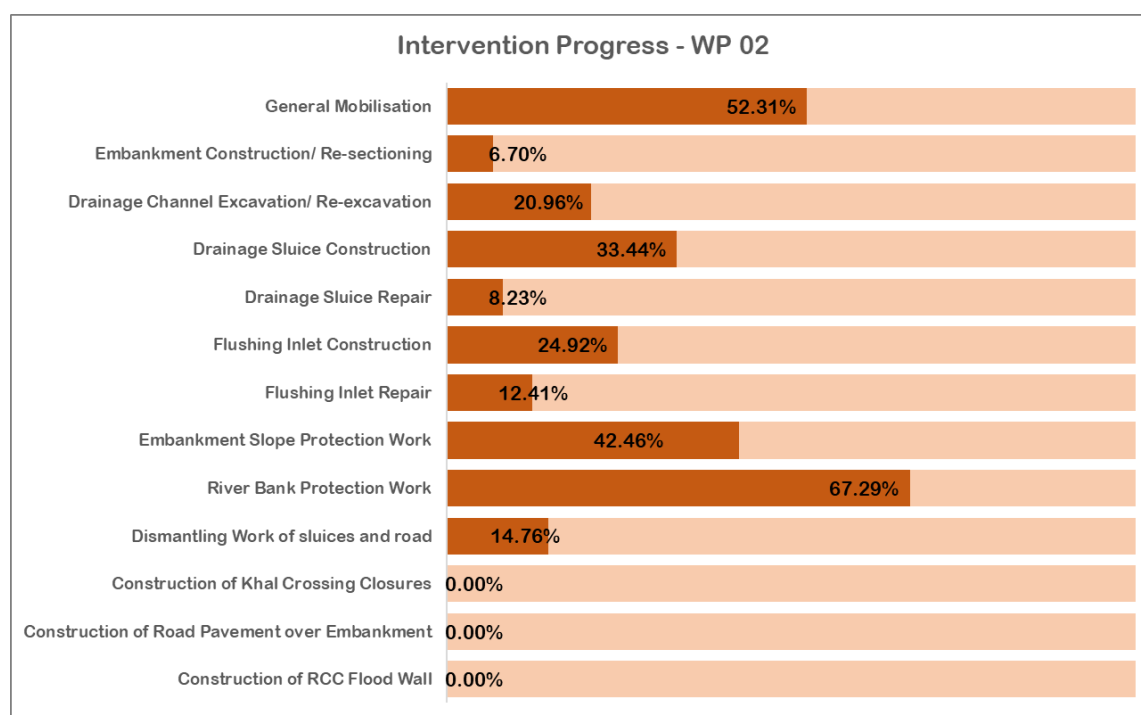


Figure 3-48: Item Wise Progress of Package-2

3.5.2 Physical Progress (Mile Stone Matrix)

Table 3-56: Physical Works Status of Package-02 as on 30 November 2019

Item	Unit	Contract Quantity	Tentative Program FY 2019-2020		Cumulative upto October, 2019		Current Month		Cumulative upto November, 2019	
			Full	Part	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed
Embankment Construction/Re-sectioning	Km	208.510	100.00	0	19.165 9.19%	12.015 25.12%	0.000 0.00%	0.20 0.00%	19.165 9.19%	12.215 25.12%
Drainage Channel Excavation/Re-excavation	Km	154.632	100.00	0	19.08 12.34%	0.000 0	0.000 0.00%	0.000 0.00%	19.081 12.34%	0 0
Drainage Sluice Construction	No.	50	23	0	0 0.00%	24 51.68%	0 0.00%	5 8.58%	0 0.00%	29 60.26%
Drainage Sluice Repair	No.	6	3	0	0 0.00%	1 0.08%	0 0.00%	0 0.00%	0 0.00%	1 0.08%
Flushing Inlet Construction	No.	50	30	0	0 0.00%	17 63.15%	0 0.00%	1 3.25%	0 0.00%	18 66.40%
Flushing Inlet Repair	No.	30	8	0	1 3.33%	1 0.13%	0 0.00%	2 9.87%	1 3.33%	3 10.00%
Embankment Slope Protection Work	Km	9.48	5	0	0.25 2.64%	- -	0.000 0.00%	- -	0.25 2.64%	- -
River Bank Protection Work	Km	4.920	3	0	2.820 57.32%	- -	0.310 6.30%	- -	3.130 63.62%	- -
Construction of Road Pavement	Km	51.00	0	0	-	-	-	-	-	-
Construction of RCC Flood Wall	Km	17.00	0	0	-	-	-	-	-	-
Closure Dam Construction	No.	8	4	0	-	-	-	-	-	-

Table 3-57: Polder wise Physical Works status of Package-2 as on 30 November 2019

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	13.73%	0	21	0	21	0	0	21	0.00%	0
	40/2	9	0	9	0	5	4	30.47%	0	11	8	3	0	3	0	84.82%	0
	41/1	10	0	10	0	8	2	53.28%	0	16	3	13	0	6	7	34.45%	0
	43/2C	8	0	8	0	3	5	12.13%	0	15	8	7	0	3	4	12.07%	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	5	1	48.16%	0	3	0	3	0	3	0	84.82%	0
	Total		50	0	50	0	29	21	34.53%	0	71	21	50	0	18	32	18.36%

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	0.17%	0	11	0	11	0	3	8	5.55%	0
	41/1	0	0	0	0	0	0	NA	0	10	0	10	1	0	9	10.00%	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	0	2	0.00%	0
	48	3	0	3	0	0	3	0.00%	0	0	0	0	0	0	0	NA	0
	Total		6	0	6	0	1	5	0.08%	0	30	0	30	1	3	26	5.37%

Package No	Polder No	Bank Protection Work Summary			Slope Protection Work Summary			Drainage Channel Excavation Summary				CC Block Production Status		
		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	2.850	81.43%	4.00	0.00	0.00%	11	57.23	0.00	0.00%	7,288,880	3,983,048	54.65%
Package 2	40/2	0.000	0.000	NA	1.14	0.00	0.00%	11	4.23	1.83	43.25%	653,522	157,272	24.07%
Package 2	41/1	0.400	0.180	45.00%	0.00	0.00	NA	8	23.13	2.82	12.20%	1,153,937	236,062	20.46%
Package 2	43/2C	0.500	0.000	0.00%	0.26	0.00	0.00%	8	28.16	2.44	8.67%	784,772	19,542	2.49%
Package 2	47/2	0.520	0.100	19.23%	0.00	0.00	NA	4	9.17	9.17	100.00%	481,717	216,249	44.89%
Package 2	48	0.000	0.000	NA	4.08	0.25	6.13%	11	32.72	2.82	8.63%	559,853	176,389	31.51%
Package 2		4.920	3.130	63.62%	9.48	0.250	2.64%	53	154.63	19.08	12.34%	10,922,681	4,788,562	43.84%

Package No	Polder No	Embankment Construction/ Resectioning Summary							Partly Completed							
		Target Length (Km)	Completed Length (Km)	% Completed	New Emb. Length (Km)	Completed New Emb. Length (Km)	% Completed	Resectioning Length (Km)	Completed Resectioning Length (Km)	% Completed	Retd. Emb. Length (Km)	Completed Retd. Emb. Length (Km)	% Completed	New Emb. Length (Km)	Resectioning Length (Km)	Retd. Emb. Length (Km)
Package 2	39/2C	59.250	0.00	0.00%	59.25	0.00	0.00%	0.00	0.00	NA	0.00	0.00	NA	0.00	0.00	0.00
Package 2	40/2	34.200	2.40	7.02%	0.00	0.00	NA	34.20	2.40	7.02%	0.00	0.00	NA	0.00	3.20	0.00
Package 2	41/1	33.571	0.00	0.00%	0.00	0.00	NA	32.77	0.00	0.00%	0.80	0.00	0.00%	0.00	7.73	0.00
Package 2	43/2C	25.505	0.00	0.00%	0.00	0.00	NA	24.28	0.00	0.00%	0.87	0.00	0.00%	0.00	0.60	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	38.025	0.57	1.49%	0.00	0.00	NA	38.03	0.57	1.49%	0.00	0.00	NA	0.00	0.69	0.00
Package 2		208.051	19.165	9.21%	59.250	0.000	0.00%	145.639	19.165	13.16%	2.81	0.00	0.00%	0.000	12.215	0.000

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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 November 2019	Remarks	
Package 2																				
Polder-39/2C																				
1	39/2C	Pirojpur & Jalukathi	Yet to start	59.250	0.000	59.250	New	Yes	Taka Deposited to DC	1,949,317						0.00%	0.00%	0.00%	Land Problem	
Total Polder-39/2C =				59.250						1,949,317										
Polder-40/2																				
1	40/2	Pathargata Mouza	Yet to start	1.400	0.000	1.400	Resectioning	Yes	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	Yet to start	1.700	1.400	3.100	Resectioning	Yes	Fund placed to DC	110,429								0.00%	Program for next year.	
3	40/2	Gohorpur	Yet to start	1.050	3.100	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	1.70	0.00	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 FS-4/1 & near to completion.	
6	40/2	Gohorpur	Ongoing	0.700	5.950	6.650	Resectioning	No	NA	16,002	16,002	0.70	0.00	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	0.00	0.85		0	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	0.00	1.50		0	48.90%	0.00%	44.98%	Work in Progress	
10	40/2	Gapbharia	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	0.900	12.000	12.900	Resectioning	No	NA	51,650	25,900	0.00	0.85		0	50.15%	0.00%	46.13%	Work in Progress	
12	40/2	Tapalbaria	Yet to start	2.300	12.900	15.200	Resectioning	Yes	Fund placed to DC	205,022								0.00%	Program for next year	
13	40/2	Char donai Mouza	Yet to start	2.300	15.200	17.500	Resectioning	No	NA	222,985								0.00%	Program for next year	
14	40/2	Char donai Mouza	Yet to start	4.050	17.500	21.550	Resectioning	Yes	Fund placed to DC	321,808								0.00%	Program for next year	
15	40/2	Char donai Mouza	Ongoing	1.450	21.550	23.000	Resectioning	No	NA	41,856	11,000					26.28%		24.18%	Work in Progress	
16	40/2	Char donai Mouza	Yet to start	4.520	23.000	27.520	Resectioning	Yes	LGED Road									0.00%	LGED Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.	
17	40/2	Hoglapasha	Yet to start	4.715	27.520	32.235	Resectioning	Yes	RHD Road									0.00%	RHD Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.	
18	40/2	Hatempur & Boraitola	Yet to start	1.765	32.235	34.000	Resectioning	Yes	Pourashava Carpeting Road									0.00%	Pourashava Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.	
19	40/2	Pathargata Mouza	Yet to start	0.200	34.000	34.200	Resectioning	Yes	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.	
Total Polder-40/2				34.200						1,231,358	99,374	2.40	3.20	44,936	33,456					

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#	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 November 2019	Remarks	
Package 2																				
Polder-41/1																				
1	41/1	Ayla Patakata UP	Yet to start	2.250	0.000	2.250	Resectioning	No	N/A									0.00%	Program for next year. Shop drawing is under process	
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	0.270	3.000	3.270	Resectioning	No	N/A									0.00%	Program for next year. Shop drawing is under process	
4	41/1	Burir Char UP	Yet to start	0.355	3.270	3.625	Retired	Yes	Taka Deposited to DC									0.00%	Program for next year. Shop drawing is under process	
5	41/1	Burir Char UP	Yet to start	1.425	3.625	5.050	Resectioning	No	N/A									0.00%	Program for next year. Shop drawing is under process	
6	41/1	Burir Char UP	Yet to start	0.220	5.050	5.270	Retired	Yes	Taka Deposited to DC									0.00%	Program for next year. Shop drawing is under process	
7	41/1	Burir Char UP	Ongoing	7.730	5.270	13.000	Resectioning	No	NA	188,475	132,500	0.00	7.730		0	70.30%	0.00%	64.68%	Work in Progress	
8	41/1	Burir Char UP	Yet to start	0.466	13.000	13.466	Resectioning	No	N/A	31,238								0.00%	Program for next year.	
9	41/1	Burir Char UP	Yet to start	0.227	13.466	13.693	Retired	Yes	Taka Deposited to DC	12,938										Program for next year.
10	41/1	Burir Char UP	Yet to start	0.307	13.693	14.000	Resectioning	No	N/A	15,663										Program for next year.
11	41/1	Burir Char UP	Yet to start	4.650	14.000	18.650	Resectioning	No	N/A	78,864										Program for next year.
12	41/1	Burir Char UP	Yet to start	2.050	18.650	20.700	Resectioning	Pourashava Road	NA											Pourashava Carpeting Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
13	41/1	Burir Char UP	Yet to start	6.560	20.700	27.260	Resectioning	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.
14	41/1	Ayla Patakata UP	Yet to start	6.000	27.260	33.260	Resectioning	No	N/A											Program for next year. Shop drawing is under process
15	41/1	Ayla Patakata UP	Yet to start	0.311	33.260	33.571	Resectioning	No	N/A											Program for next year. Shop drawing is under Preparation
Total Polder-41/1				33.571						327,178	132,500	0.00	7.730	0	33,456					
Polder-43/2C																				
1	43/2C	Suhari	Yet to start	0.074	0.000	0.074	Resectioning	RHD Road	NA	2,832										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	Yet to start	0.826	0.074	0.900	Resectioning	Yes	Ministry of Land	31,612										Program for next year
3	43/2C	Bauria	Ongoing	0.450	0.900	1.350	Resectioning	Yes	Waiting for DLAC	13,945	10,500	0.00	0.400		0	75.30%	0.00%	69.27%	Work in Progress	
4	43/2C	Gabua	Yet to start	0.550	1.350	1.900	Resectioning	Yes	Waiting for DLAC	13,111							0.00%	0.00%		Program for next year
5	43/2C	Gabua	Ongoing	0.200	1.900	2.100	Resectioning	Yes	Waiting for DLAC	5,214	2,000	0.00	0.200				38.36%	35.29%		Work in Progress
6	43/2C	Gabua	Yet to start	1.928	2.100	4.028	Resectioning	Yes	Waiting for DLAC	55,775							0.00%	0.00%	0.00%	Program for next year
7	43/2C	Boro Gabua	Yet to start	0.876	4.028	4.904	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.
8	43/2C	Boro Gabua	Yet to start	0.946	4.904	5.850	Resectioning	Yes	Waiting for DLAC											Program for next year
9	43/2C	Boro Gabua	Yet to start	1.650	5.850	7.500	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.
10	43/2C	Golkhali	Yet to start	5.376	7.500	12.876	Resectioning	Yes	Ministry of Land											Program for next year
11	43/2C	East Golkhali	Yet to start	0.297	12.876	13.173	Retired	Yes	Notice Section-4 Served											Program for next year
12	43/2C	East Golkhali	Yet to start	0.165	13.173	13.338	Resectioning	Yes	Notice Section-4 Served											Program for next year
13	43/2C	East Golkhali	Yet to start	0.577	13.338	13.915	Retired	Yes	Notice Section-4 Served											Program for next year
14	43/2C	East Golkhali & Bader pur	Yet to start	3.855	13.915	17.770	Resectioning	Yes	Notice Section-4 Served											Program for next year
15		Kalirchar	Yet to start	0.330	17.770	18.100	Resectioning	Yes	Ministry of Land											Program for next year
16		Suharinj Char	Yet to start	3.750	18.100	21.850	Resectioning	Yes	Proposal under Preparation											Program for next year
17	43/2C	Suharinj Char	Yet to start	1.310	21.850	23.160	Resectioning	Yes	Ministry of Land											Program for next year
18	43/2C	Suhari	Yet to start	1.990	23.160	25.150	Resectioning	Yes	Waiting for DLAC											Program for next year
19	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						122,489	12,500	-	0.600	-	-					

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#	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 November 2019	Remarks
Polder-47/2																			
1	47/2	Piarpur	Ongoing	2.000	0.000	2.000	Resectioning	No	NA	9,178	9,178	2.000	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	1.558	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	1.830	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	0.561	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	10.250	0.000	102511	86500	90.00%	84.38%	89.55%	Work completed
Total Polder-47/2				17.500						171,121	123,742	16.199	0.00	214,239	180,922				
Polder-48																			
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	114,878	71,500	0.00	0.685		0	62.24%	0.00%	57.26%	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	3.845	30.455	34.300	Resectioning	No	NA	199,601									Program for next year
9	48	Do	Ongoing	0.250	34.300	34.550	Resectioning	No	NA	25,871	25,871	0.250		0	0	100.00%	0.00%	92.00%	Work in Progress
10	48	Khajura	Yet to start	3.475	34.525	38.000	Resectioning	No	NA	273,065									Program for next year
Total Polder-48				38.025						2,014,665	102,884	0.566	0.685	-					
Grand Total of Package-2				208.051						5816127.70	471000.00	19.165	12.215	259,175.00					

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 30 November 2019	Remarks
Package 2									
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	Chaklua 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	1.83	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	Completed	4.791	4.791	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	Kalajpara 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
		Total		154.632	19.081	1,196,248.725	250,757.580		

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 (30 Nov. 2019)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Drainage Sluice													
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	10%				1.00%	Y	do		Work in progress
11	DS	DS-11	39/2C	Ongoing	75%				7.50%	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			Resettlement issue has not yet been resolved
18	DS	DS-7A	40/2	Ongoing	60%				6.00%	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	40%				4.00%	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	90%	5%			10.00%	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	60%				6.00%	N	NA		Work in progress
33	DS	DS-1	43/2C	Yet to be start					0.00%	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	50%				5.00%	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	70%				7.00%	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	Yet to be start					0.00%	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	70%				7.00%	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%	50%			20.00%	Y			Work in progress
49	DS	DS-3/4	48	Ongoing	100%	100%	99%		84.45%	N	NA		Work in progress
50	DS	DS-6	48	Yet to be start					0.00%	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 (30 Nov. 2019)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Flushing Sluice														
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	Yet to be start						0.00%				Next Year program
28	FS	FS-6	41/1	Ongoing	60%					6.00%	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
33	FS	FS-21	41/1	Yet to be start						0.00%	Y			Re-Settlement problem
34	FS	FS-22	41/1	Yet to be start						0.00%	Y			Re-Settlement problem
35	FS	FS-23	41/1	Yet to be start						0.00%	Y			Re-Settlement problem
36	FS	FS-24	41/1	Yet to be start						0.00%	Y			Re-Settlement problem
37	FS	FS-25	41/1	Yet to be start						0.00%	Y			Re-Settlement problem
38	FS	FS-28	41/1	Ongoing	60%					6.00%	Y			Work in progress
39	FS	FS-1	43/2C	Yet to be start						0.00%	N	NA		Program for next dry season
40	FS	FS-1A	43/2C	Ongoing	10%					1.00%	Y			Work started but stopped due to land problem
41	FS	FS-8	43/2C	Yet to be start						0.00%	Y	Notice Section-4 Served		Land problem issue has not yet been resolved
42	FS	FS-10	43/2C	Ongoing	100%	80%				26.00%	Y	N/A		Work in progress
43	FS	FS-12	43/2C	Yet to be start						0.00%	Y	Notice Section-4 Served		Land problem issue has not yet been resolved
44	FS	FS-13	43/2C	Yet to be start						0.00%	N	NA		Program for next year
45	FS	FS-18	43/2C	Ongoing	100%	100%	50%			57.50%	Y	N/A		Work in progress
46	FS	FS-1	47/2	Ongoing	100%	100%	100%	50%		92.50%				Work in progress
47	FS	FS-6	47/2	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
48	FS	FS-7	47/2	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
49	FS	FS-1	48	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
50	FS	FS-3	48	Ongoing	100%	100%	100%			85.00%	N	NA		Work in progress
51	FS	FS-4	48	Ongoing	100%	100%	99%			84.45%	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 Nov. 19)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Repair of Drainage Sluices													
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%				0.50%	N	NA		Cofferdam excavation work is 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	Yet to start					0.00%	N	NA		Work in progress
Repair of Flushing Sluice													
1	FS	FS-1	40/2	Yet to start					0.00%	N	NA		Next year Program
2	FS	FS-2	40/2	Ongoing			50%		27.50%	N	NA		Shop drawing is under process of approval
3	FS	FS-4	40/2	Yet to start					0.00%				Next year Program
4	FS	FS-6	40/2	Ongoing			60%		33.00%	N	NA		Shop drawing is under process of approval
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	5%				0.50%	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	Yet to start					0.00%	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-30	41/1	Yet to start					0.00%				Next year Program
20	FS	FS-29	41/1	Yet to start					0.00%	N	NA		Next year Program
21	FS	FS-2	43/2C	Yet to start					0.00%				Next year Program
22	FS	FS-6	43/2C	Yet to start					0.00%				Next year Program
23	FS	FS-7	43/2C	Yet to start					0.00%				Next year Program
24	FS	FS-9	43/2C	Yet to start					0.00%				Next year Program
25	FS	FS-14	43/2C	Yet to start					0.00%				Next year Program
26	FS	FS-15	43/2C	Yet to start					0.00%				Next year Program
27	FS	FS-16	43/2C	Yet to start					0.00%				Next year Program
28	FS	FS-2	47/2	Yet to start					0.00%				Next year Program
29	FS	FS-4	47/2	Yet to start					0.00%				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 November, 2019	Remarks
Package 2														
1	39/2C	4.000	Yet to Start	24.000	51.000	Y	Taka Deposited to DC	3%	77%	9%	11%	0.000	0%	Embankment Construction not done
2	40/2	0.400	Yet to Start	1.240	1.640	Y	Possession received					0.000	0%	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	Yet to Start	30.800	31.272	N	NA					0.000	0%	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
Total		9.476										0.250	13.68%	

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 October 2019	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%	40%	2.040	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%	0.180	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%	50%	15%	15%	0.100	47%	Work in progress
Total		4.920								3.130	63.62%	

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 (November 19)	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 khal	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

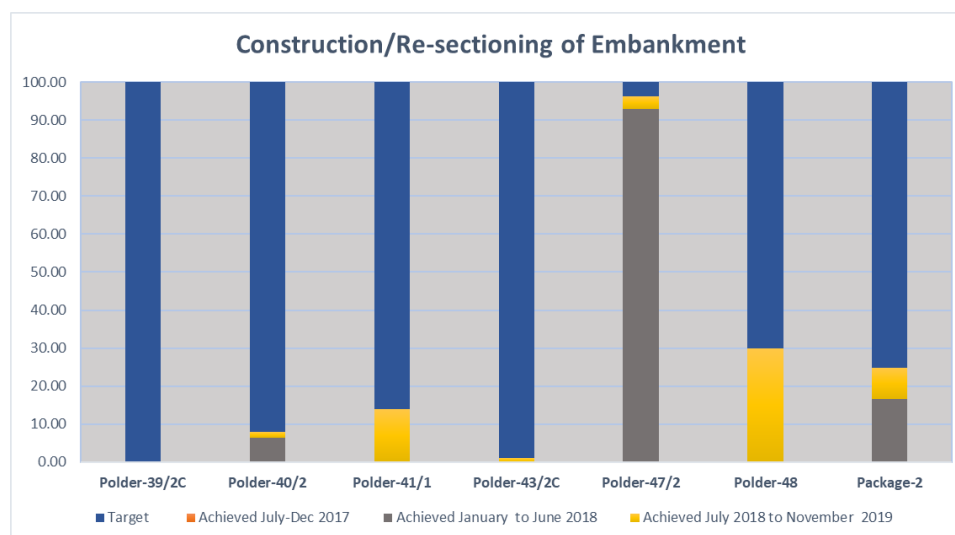


Figure 3-49: Construction / Re-sectioning of Embankment of Package-2

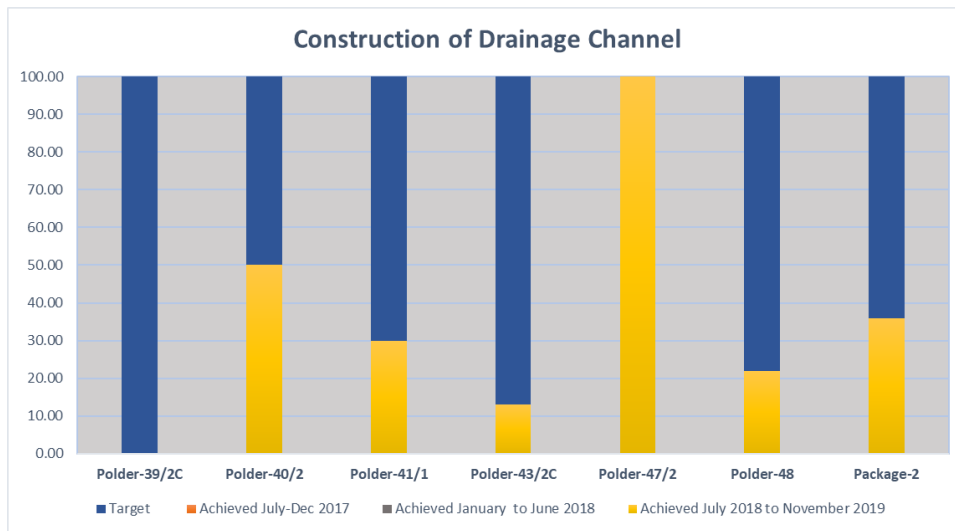


Figure 3-50: Construction of Drainage Channel of Package-2

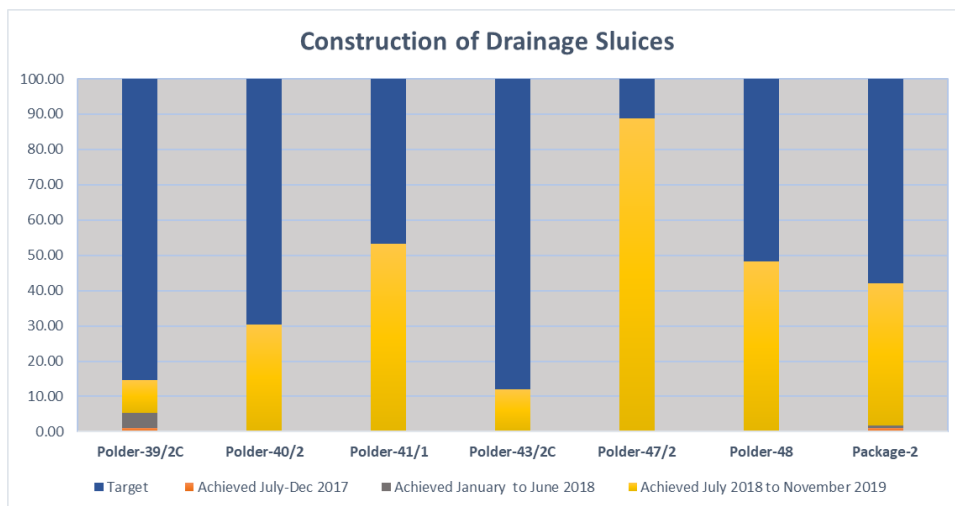


Figure 3-51: Construction of Drainage Sluice of Package-2

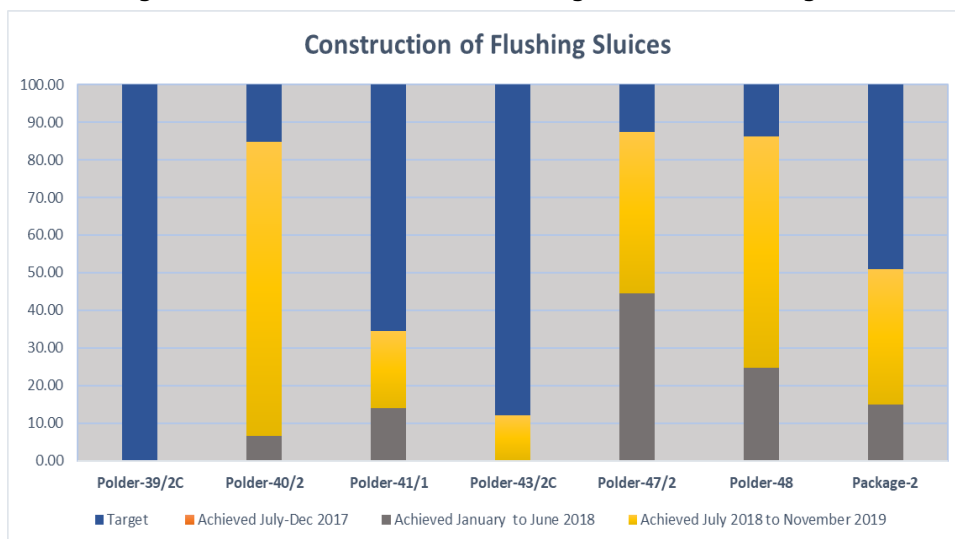


Figure 3-52: Construction of Flushing Sluice of Package-2

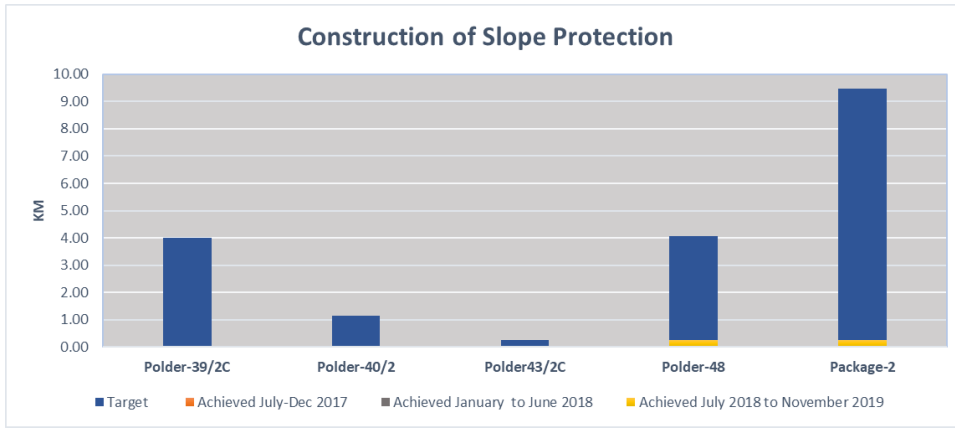


Figure 3-53: Construction of Slope Protection of Package-2

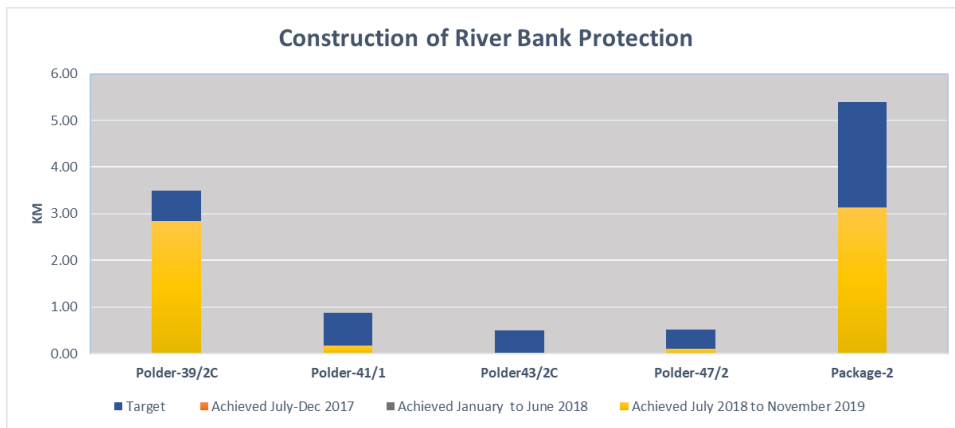


Figure 3-54: Construction of River Bank Protection of Package-2

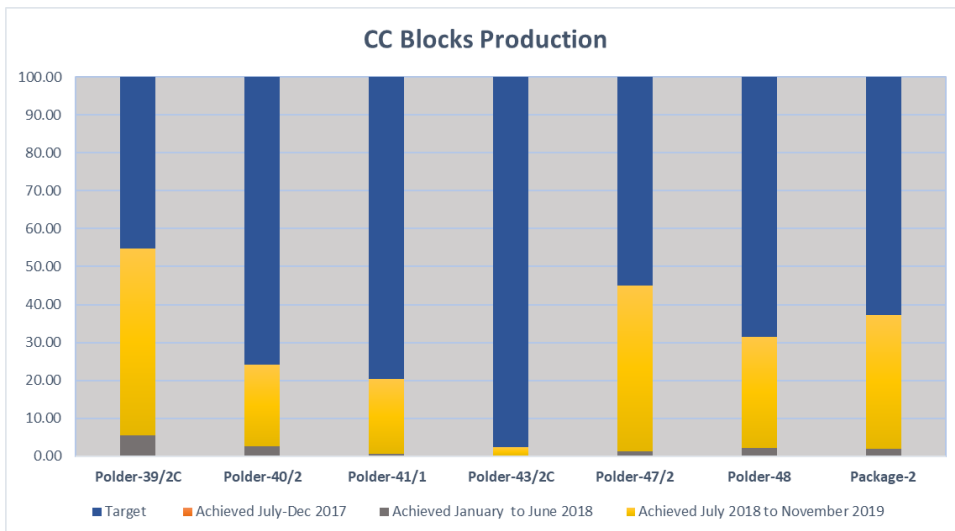


Figure 3-55: CC Blocks Production of Package-2

Table 3-66: Progress of Package-2 as on November 2019

Item	Unit	Contract Quantity	Status 31 Nov. 2019
Embankment Construction/Re-sectioning	Km	208.510	19.165 (F)
			12.215 (P)
Drainage Channel Excavation/Re-excavation	Km	154.632	19.081 (F)
			0 (F)
Drainage Sluice Construction	No.	50	29 (P)
			0 (F)
Drainage Sluice Repair	No.	6	1 (P)
			0 (F)
Flushing Inlet Construction	No.	50	18 (P)
			1 (F)
Flushing Inlet Repair	No.	30	3 (P)
			0 (F)
Embankment Slope Protection Work	Km	9.480	0.250 (F)
River Bank Protection Work	Km	4.920	3.130 (F)
Construction of Road Pavement	Km	51.00	0.000
Construction of RCC Flood Wall	Km	17.00	0.000
Closure Dam Construction	No.	8	0

Table 3-67: CC Blocks Production as on November 2019

S.N.	Polder Number	Estimated Quantity	Cumulative Total as of 30 October 2019	Production during November, 2019							Cumulative Total as of 30 November 2019
				40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	30x60x40 (No)	30x60x60 (No)	Total (No)	
1	39/2C	7,598,926	3,776,123	206,925	0	0	0	0	0	206,925	3,983,048
2	40/2	530,130	144,461	941	0	0	11870	0	0	12,811	157,272
3	41/1	1,153,937	204,106	31,956	0	0	0	0	0	31,956	236,062
4	43/2C	789,700	13,592	0	0	5,950	0	0	0	5,950	19,542
5	47/2	481,717	202,133	12,814	0	0	0	0	0	12,814	214,947
6	48	867,351	160,879	0	0	0	0	3497	13315	16,812	177,691
	Total =	11,421,761	4,501,294	252,636	0	5,950	11,870	3,497	13,315	287,268	4,788,562

3.5.3 Advance Payments

The Contractor has received 2nd 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 3-68. The Contractor has established their site offices at Bhandaria, Kalapara, Barguna, Patharghata and their field head quarter at Patuakhali.

Table 3-68: Contractor Staffs available in Package-2

SN	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	115	2	0	35	5	17	4	4	48
3	Admin/Support	39	1	0	15	3	10	2	2	6
4	Operator/Driver	176	2	2	71	14	29	6	9	43
5	Skilled Labour	275	0	1	118	18	86	19	17	16
6	Unskilled Labour	571	2	2	109	106	122	34	38	158
Total=		1183	9	8	350	146	264	65	70	271

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 1st 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 19.166 km full and 12.215 km Partially Embankment Re-sectioning work has been completed.

Construction of 19 nos. Flushing Sluices and 29 nos. Drainage Sluices are in Progress.

Table 3-69: 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	
18	Concrete Mixing Plant	0	1	1	-	-	2	4	

	Description	Polder:						Total	Remarks
		39/2C	40/2	41/1	43/2 C	47/ 2	48		
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	
	Total:	237	92	121	51	102	154	757	



Figure 3-56: Meeting among Consultant & Contractor at Patuakhali BWDB rest house



Figure 3-57: Dumping CC Block for river bank protection work (KM51+041-53+418) in Polder 39-2C



Figure 3-58: Dumping work in Polder-41/1



Figure 3-59: Completed Section Drainage Channel for DS-07 in Polder 43/2C



Figure 3-60: Earth Work for Embankment KM1+000 to Km2+000 in Polder 43 /2C



Figure 3-61: Curing CC Blocks in Polder 43/2C at DS-1 yard



Figure 3-62: Back fill & Repair of access road for DS-01 in Polder 47/2



Figure 3-63: CC block manufacturing in Polder 47/2 at yard-1



Figure 3-64: Install of Waring Tape for FS-3 in Polder 48



Figure 3-65: Loading CC Block on the berge in Polder 39-2C



Figure 3-66: CC Block Manufacturing in Polder 48 at yard-3



Figure 3-67: DS-3/3 CC casting at CS in Polder-48

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. Execution of re-sectioning work of existing embankment is completed partially completed for the dry season 2017-2018 & 2018-2019 along the alignment of BWDB's acquired Land.

Program for December'2019

Polder-39/2C:

CC block manufacturing yard 1: (A) at Nadmulla

- To manufacture monthly scheduled 100,000 Nos. Of CC blocks of 400 x 400 x 400mm;

CC block manufacturing yard 2: (A1) at Charkhali

- To manufacture monthly scheduled 50,000 Nos. Of CC blocks of 400 x 400 x 400mm;

CC block manufacturing yard 3: (B) at Talikhali

- No program;

Other Construction

- To complete railing and 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: 150,000 nos;
- To start the construction of Embankment;
- To progress the work of DS-10 & DS-12
- To start the work of DS-8 & DS-9;

Polder-40/2:

- Installation of gate FS-4/1;
- To manufacture CC Block;
- To install the gate in DS-2, DS-3, DS-4/5, FS-9 & FS-10;
- 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-28;
- To progress the re-sectioning work of Embankment;
- To start the repairing of Flushing Sluices;

Polder-43/2C

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

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;
- To start the repair work of drainage sluice;

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 sites 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 10th September'2019 and the work has been completed.



Figure 3-68: Emergency Work of Polder-48

Table 3-70: 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
Total =		0.577	11,895,283

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

Table 3-71: 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
Total =		0.987	16,488,855.56

Total available budget as per Contract is BDT: 500,000,000.00

Table 3-72: 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
Total				1.425			11,895,282.61		

Table 3-73: 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
Total				0.987			16,488,855.56		

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 29th 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 that has been under review by the Engineer.

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 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 13th 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 is under preparation.

3.5.10 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 November, 2019. 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.

3.5.11 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 November 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\$ 3.57 Million and US\$ 7.10 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 November, 2019. The revised S-Curve of Package-2 will be reflected in the MPR of December,2019. The next IPCs are, however, expected by December 2019 for both the packages.

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

Table 3-74: 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	
IPC No.12	Jan. 2020	395,000,000.00	
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	
Total		3,841,772,733.59	

3.6.3 Modification 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 Consultant submitted updated proposal for Contract Modification No.-3 on 18 June, 2019. PMU CEIP-1 response to the proposal on 20 June, 2019 with some observations. Furthermore, a discussion meeting was held on 29 August 2019 among the Committee (formed by BWDB, headed by Chief Planning BWDB, Dhaka), Consultant and PMU, CEIP-1 staffs, on the different unsettled issues those were included in the proposed Budget Neutral Contract Modification No.03.

The Proposed Contract Modification No.-3 was submitted following the proceeding of the meeting. The Project Director provided some observations on the Proposed Modification No.3. The Consultants has submitted the Contract Modification No.3 on October 25, 2019, vide Consultant's reference: BC5883-101-102_L0084_DJK_MIP dated: 24 October 2019 after modification of the Financial Tables as per observations of Project Director. The proposed Contract Modification was sent to the World Bank by the Project Director on October 26, 2019 for Bank's review and concurrence. In response the World Bank made some initial observations on October 30, 2019 requesting submission of i) Staffing schedule (including Key Staff) including timetable of activities and person both current (based on Modified Contract No 2) and ii) Deployment Plan of key and non-key Experts for home and field Based inputs for both current (based on Modified Contract No 2) as well as propose. The Consultant has worked accordingly and Contract Modification No.3 is submitted to PMU on 24 October, 2019. The approval of the Contract Modification is urgently needed to meet up the financial constraints of the Consultants.

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 3-75: Overview of Staffing (including Proposed Replacements)

Description of Staffs	Position	Original Staff	Current Staff	Remarks
A. International Key Staff	Team Leader	Jean Henry Laboyrie	Derk Jan (Dick) Kevelam	Jean Henry Laboyrie is Team Leader as per 27 th October 2019
	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	
B. International Non-Key Staff	Environmental Specialist	Anders Malgrem Hansen	Anders Malgrem Hansen	
	Quantity Surveyor - 2	Andrew Cook	Andrew Cook	
	Sociologist/Resettlement Specialist	Roy Timmer	Dr. Salim Zaman	
	Geo-Technical Engineer	Joost van der Schrier	Joost van der Schrier	
A. National Key Staff	Estuary and River Morphology Modeler	Bo Brahtz Christensen	Bo Brahtz Christensen	
	River and Coastal Expert	Ranjit Galappatti	Ranjit Galappatti	
	Deputy Team Leader	Md. Habibur Rahman	Md. Habibur Rahman	
	Deputy Resident Engineer - 1	Mazibur Rahman Khan	Mr. A.K.M. Sayeed Uddin	
	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		

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

Description of Staffs	Position	Original Staff	Current Staff	Remarks
	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 Jailil	AKM Mazibur Rahman	
	Quality Control Specialist - 1	Md. Abdur Razzaque Khan	Md. Delowar Hossain	
	Quality Control Specialist - 2	Md. Sekendar Ali	Md. Rafiqul Alam	
	Procurement / Contract Management Specialist	Md. Tafazzal Ali	Md. Aminur Rahman	
	Environmental Specialist	Dr. Quazi Alamgir Kabir	Abu Bakr Siddique	
	Resettlement Specialist/Sociologist	Md. Mustafizur Rahman	Md. Mustafizur Rahman	N/A
	Land Acquisition Officer	Benu Gopal Dey	Kh. Mahabub Alam	
	Geo-Technical and Foundation Specialist	Mizanur Rahman	Ashraf Ul Abedin	N/A
	Mechanical Engineer - 1	Monojit Kumar Bagchi	Monojit Kumar Bagchi	N/A
	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	Zulfiqure Azeez	Zulfiqure Azeez	
	Field Engineer	Shahidul Islam-2	Shahidul Islam-2	
	Field Engineer	Kamrul Hasan	Kamrul Hasan	
	Field Engineer	Md. Badarudduza	Md. Badarudduza	
	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	
	Office Secretary	Mahmuda Islam	Mahmuda Islam	

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Description of Staffs	Position	Original Staff	Current Staff	Remarks
	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 3-76: Tentative forecast of payment for DDCS & PMS Consultants

Invoice No.	Invoice Month	Submission Month	Value of Invoice (BDT)	Remarks
Local Currency				
LC-28	July-August 19	September 19	24,720,100.00	
LC-29	September- October 19	November 19	16,000,000.00	
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	
Total			101,720,100.00	
Foreign Currency				
FC-28	July-August 19	September 19	50,000.00	
FC-29	September- October 19	November 19	121,000.00	
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	
Total			636,000.00	

3.7.3 Finance (Invoices) RHDHV/DDCS&PMS Consultants

Table 3-77: 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

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SI No. of Invoices	Payment in EURO			Payment in BDT		
	Amount invoiced	Date submitted	Date paid	Amount invoiced	Date submitted	Date paid
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 ¹	23-Oct-16	09-Nov-16	15,095,311.81	27-Nov-16	02-Mar-17
Invoice No 11	224,255.11	06-Nov-16	1-Jun-17	15,623,144.38	07-Dec-16	18-May-17
Invoice No 12	211,748.62	15-Jan-17	1-Jun-17	51,335,041.98	15-Jan-17	18-May-17
Invoice No 13	149,954.66	10-Apr-17	1-Jun-17	25,796,446.77	16-Mar-17	18-May-17
Invoice No 14	51,073.50	3-May-17	18-Jun-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
Total Amount Invoiced =	2,373,048.52			604,635,162.52		

¹ Invoice no. 10 (Not full payment)

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 26 November 19	Status on November 19	
BoQ No. 1	General Mobilisation		7.52%					496,465,529.00	392,412,304	414,235,712	94,574,116	79.04%	5.948%	5.948%	79.04%	
BoQ No. 2	Embankment Construction/ Re-sectioning	km	21.96%			5,877,718	4,682,266	1,448,823,605.00	1,154,151,627	1,049,717,774	473,617,158	79.66%	17.493%	17.493%	79.66%	
BoQ No. 3	Drainage Channel Excavation/ Re-excavation	km	2.18%			1,359,203.48	1,233,680.62	144,057,665.00	130,753,895	121,866,602	26,528,570	90.76%	1.982%	1.982%	90.76%	
BoQ No. 4	Drainage Sluice Construction	no	9.89%					668,068,356.80	656,713,329	602,257,046	60,328,752			9.720%	98.26%	
				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	614,875,670	615,230,611.12	614,875,670			99.94%	9.086%			
BoQ No. 5	Drainage Sluice Repair	no	0.13%					8,401,731.00	7,845,972	6,785,261	1,864,103			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	273,797,839	80,922,487			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	15,191,778	27,730,128			1.152%	92.32%	
				0.08%	Casting Block size 40cm x 40cm x 20cm.	17,425	16,261	5,028,158.00	4,692,315	0		93.32%	0.071%			
				0.13%	Casting Block size 30cm x 30cm x 30cm.	33,966	20,237	8,274,117.00	4,929,797	0		59.58%	0.075%			
				1.05%	Other Flushing Inlets Repair Works	69,059,387	66,412,111	69,059,387.08	66,412,111	0		96.17%	1.007%			
BoQ No. 8	Embankment Slope Protection Work	km	21.68%					1,430,472,110.00	1,094,666,956	1,195,998,401	277,579,892			16.592%	76.52%	
				6.08%	Casting Block size 40cm x 40cm x 40cm.	729,950	562,483	400,844,743.00	308,882,061	0		77.06%	4.682%			
				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	232,219,884	294,754,345.85	232,219,884	0		78.78%	3.520%			
BoQ No. 9	River Bank Protection Work	km	22.72%					1,498,882,474.37	1,263,750,573	1,182,839,752	357,811,941			19.154%	84.31%	
				11.12%	Casting Block size 40cm x 40cm x 40cm.	1,335,844	1,029,372	733,565,236.88	565,269,088	0		77.06%	8.568%			
				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	24,605,795	15,307,211	53,000,000	18.36%	0.373%	0.373%	18.36%	
BoQ No. 11	Closure Dam Construction	km	2.77%					182,925,081.00	34,298,453	0	182,925,081			0.658%	23.75%	
				0.69%	Foundation Construction of the Closure	45,731,270	43,444,706.50	45,731,270.00	43,444,707	0		95.00%	0.658%			
				0.55%	Closing of the closure	36,585,016	-	36,585,016.00	0	0		0.00%	0.000%			
				1.52%	Final Protection Work of the Closure	100,608,795	-	100,608,795.00	0	0		0.00%	0.000%			
	Schedule of Day work		0.36%			23,712,392	18,993,034	23,712,392.00	18,993,034	2,593,033	21,207,497	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	6,100,000	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	58,913,141	47,221,222	71,977,744	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	0	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	5,635,525,197	5,296,307,644	1,736,167,468.80			80.67%	80.67%

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Package-2

BoQ Item	Activity Name	Weightage	Weight (Partial)	Name of Work	Unit	Contract Quantity	Actual Quantity	Contract Value (BDT)	Value of Work Executed (BDT)	Expenditure (BDT)	Projection (BDT)	Percentage Completed	Weighted Percentage	Wtg Achvd on 30 November 19	Status on 30 November19
BoQ No. 1	General Mobilisation	1.12%						114,147,100.00	59,711,566.90	55,270,296.00	15,000,000.00	52.31%	0.58%	0.58%	52.31%
BoQ No. 2	Embankment Construction/ Re-sectioning	17.17%			cum	7,028,144	471,000	1,757,533,176.00	117,783,318.88	102,880,215.57	398,733,221.13	6.70%	1.15%	1.15%	6.70%
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	73,416,533.58	20.96%	0.39%	0.39%	20.96%
BoQ No. 4	Drainage Sluice Construction	14.87%						1,522,573,943.62	509,078,222.09	438,279,384.94	608,864,274.49			4.97%	33.44%
			0.43%	Casting Block size 40cm x 40cm x 20cm.	no	163,168	5,194	43,892,192.00	1,397,129.42			3.18%	0.01%		
			0.47%	Casting Block size 30cm x 30cm x 30cm.	no	197,111	56,214	47,897,973.00	13,660,069.58			28.52%	0.13%		
			13.98%	Other Drainage Sluices Construction Works	BDT	1,430,783,779	494,021,023	1,430,783,778.62	494,021,023.08			34.53%	4.83%		
BoQ No. 5	Drainage Sluice Repair	0.18%						18,234,536.00	1,500,277.33	0.00	18,234,536.00			0.01%	8.23%
			0.03%	Casting Block size 40cm x 40cm x 20cm.	no	12,365	394	3,326,185.00	105,875.57			3.18%	0.00%		
			0.05%	Casting Block size 30cm x 30cm x 30cm.	no	20,000	5,704	4,860,000.00	1,386,028.13			28.52%	0.01%		
			0.10%	Other Drainage Sluices Repair Works	BDT	10,048,351	8,374	10,048,351.00	8,373.63			0.08%	0.00%		
BoQ No. 6	Flushing Inlet Construction	8.16%						835,272,116.36	208,119,265.77	137,427,862.74	169,473,326.57			2.03%	24.92%
			0.31%	Casting Block size 40cm x 40cm x 20cm.	no	116,089	3,695	31,227,941.00	994,014.50			3.18%	0.01%		
			0.22%	Casting Block size 30cm x 30cm x 30cm.	no	93,295	26,606.89	22,670,685.00	6,465,474.74			28.52%	0.06%		
			7.63%	Other Flushing Inlets Construction Works	BDT	781,373,490	200,659,776	781,373,490.36	200,659,776.53			25.68%	1.96%		
BoQ No. 7	Flushing Inlet Repair	0.16%						16,495,126.00	2,047,074.32	669,152.57	44,461,820.44			0.02%	12.41%
			0.02%	Casting Block size 40cm x 40cm x 20cm.	no	6,390	203	1,718,910.00	54,714.51			3.18%	0.00%		
			0.05%	Casting Block size 30cm x 30cm x 30cm.	no	21,000	5,989	5,103,000.00	1,455,329.54			28.52%	0.01%		
			0.09%	Other Flushing Inlets Repair Works	BDT	9,673,216	537,030	9,673,216.00	537,030.27			5.55%	0.01%		
BoQ No. 8	Embankment Slope Protection Work	11.12%						1,137,970,904.29	483,236,642.76	114,034,351.07	867,067,891.50			4.72%	42.46%
			4.43%	i) CC Block: 40cm x 40cm x 30cm.	no	1,091,338	229,861	453,996,567.93	95,622,266.46			21.06%	0.93%		
			2.09%	ii) CC Block: 40cm x 40cm x 40cm.	no	384,545	452,625	213,807,056.46	251,659,808.38			117.70%	2.46%		
			0.81%	iv) CC Block: 60cm x 60cm x 40cm.	no	42,430	5,389	82,816,146.90	10,518,411.87			12.70%	0.10%		
			1.25%	v) CC Block: 60cm x 60cm x 60cm.	no	42,748	30,037	128,044,794.32	89,971,027.58			70.27%	0.88%		
			2.53%	Other Embankment Slope Works	BDT	259,306,338.68	35,465,128.48	259,306,338.68	35,465,128.48			13.68%	0.35%		
BoQ No. 9	River Bank Protection Work	35.46%						3,630,470,487.00	2,442,914,757.24	2,044,865,901.68	1,610,276,948.22			23.86%	67.29%
			17.77%	Casting Block size 40cm x 40cm x 40cm.	no	3,271,866	3,851,123	1,819,157,496.00	2,141,224,122.53			117.70%	20.92%		
			1.18%	Casting Block size 40cm x 40cm x 30cm.	no	289,981	61,076.76	120,632,096.00	25,407,933.10			21.06%	0.25%		
			12.27%	Casting Block size 30cm x 30cm x 30cm.	no	5,170,355	-	1,256,396,265.00	0.00			0.00%	0.00%		
			4.24%	Other Bank Protection Works	BDT	434,284,630.00	276,282,701.61	434,284,630.00	276,282,701.61			63.62%	2.70%		
BoQ No. 10	Dismantling Work of sluices and road	0.57%						57,489,951.02	8,487,726.05	6,720,051.69	3,600,000.00			0.08291%	14.64%
			0.368%	Dismantling Works of existing roads	BDT	37,628,302	4,515,396	37,628,301.90	4,515,396.23			12.00%	0.04%		
			0.194%	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		25,280,800.00	0.00%	0.00%	0.00%	0.00%
BoQ No. 12	Construction of Road Pavement over Embankment	7.17%			km	51	-	734,374,935.00	0.00		0.00	0.00%	0.00%	0.00%	0.00%
BoQ No. 13	Construction of RCC Flood Wall	0.00%			km	14	-	222,376,190.00	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)	0.04%			BDT	7,819,992	7,819,992	7,819,992.00	7,819,992.00	9,212,767.58	20,300,000.00	100.00%	0.04%	0.04%	100.00%
	Physical and Price Contingencies				BDT	436,111,213	-	436,111,212.71	0.00	0.00	0.00	0.00%	0.00%	0.00%	
Total		100.00%						10,899,564,634.65	3,895,592,856.53	2,945,821,214.61	3,860,709,351.93			38.02%	38.02%

Note: RCC Flood Wall will not be constructed. Hence, its weight is considered zero.

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>	<i>Experience</i>
		No information is available	No information	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?	Not from the local governments; Contractor is now paying for the security force mainly in work site cum residential sites.		
4.7	Are there any marginalized, vulnerable, ethnic? indigenous- communities?	Some marginalized and vulnerable people are in the project side like other places of the country but there are no ethnic and indigenous groups.		

5. MAINTENANCE OF OTHER LABOR RECORDS

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

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>	<i>Total</i>	
		622		5	627	
6.2	Number of laborers by skill	<i>Skilled</i>	<i>Semi-skilled</i>	<i>Unskilled</i>	<i>Total</i>	
		386	156	85	627	
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>	
		377	194	56	627	
6.4	Number of laborers by age	<i>18-25</i>		<i>25-50</i>	<i>Above 50</i>	<i>Total</i>
		275		284	68	627
6.5	Source of labour	<i>Contractor</i>	<i>Subcontractor</i>	<i>Independent</i>	<i>Other</i>	<i>Total</i>
		627	0	0	0	627

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 labour official since commencement of work?	Six times since commencement from WB. From the part of PMU and BEDB, visited the work site frequently, as per the need basis.
8.3	What documents were inspected by labour officials?	Accident /injury register, salary sheet/record
8.4	What documents were maintained and which ones were not?	Safety training record, accident register, safety guideline document, compliance register, GRM system notice. Nothing missing, if anything required please give us the valuable suggestion. We will ensure it in work site.
8.5	What directions were given by labour officials?	About personal health and safety
8.6	What 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 th July, 2017
1.4	Date of Completion	11 th 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"> 1. Upgrading via new construction and re-sectioning of embankments with a length of about 208.71km; 2. Excavation and re-excavation of drainage channels in the Polders with a total length of about 154.63 km; 3. Construction of 50 drainage sluices; 4. Repairing of 6 drainage sluices; 5. Construction of 51 flushing sluices; 6. Repairing of 30 flushing sluices; 7. Construction of embankment slope protection works with a total length of some 9.48km; 8. Construction of river bank protection works with a total length of 5.395 km; 9. Construction of 8 Khal Closing Closures with varying widths between 35m to 60m; 10. Dismantling of 36 drainage sluices, 70 flushing sluices and road pavement for about 50 km; 11. Construction of RCC Flood wall with a length of about 17km; 12. Construction of Road Pavement with a length of about 51km. <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)				
<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 laborer by sex	<i>Male</i>		<i>Female</i>		<i>Total</i>				
		1168		15			1183			
6.2	Number of laborers by skill	<i>Skilled</i>		<i>Semi-skilled</i>		<i>Unskilled</i>		<i>Total</i>		
		298		275		610			1183	
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>		
		948		235		0			1183	
6.4	Number of laborers by age	<i>18-25</i>			<i>25-50</i>		<i>Above 50</i>		<i>Total</i>	
		276			893		14			1183
6.5	Source of labour	<i>Contractor</i>		<i>Subcontractor</i>		<i>Independent</i>		<i>Other</i>		<i>Total</i>
		1183		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
		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
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?	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															
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
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	165.329						34.702 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	36						31 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						19 nos. 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	133.85						
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 151 complaints / grievances have received by GRC upto November2019. Out of 151 complaints /grievances 33 complaints have been resolved at the entry level and 114 cases have resolved through investigations and formal hearing by GRC) and the rest 04 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 upto November2019 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.