



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



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

**Progress Report No. 48
Month of April 2019**

Table of Contents

Table of Contents.....	i
List of Tables	iv
List of Figures	vi
Abbreviations and Acronyms	1
1. Executive Summary	4
1.1 General.....	4
1.2 Implementation of works under Package-1 and Package-2	4
1.2.1 Package-1 implementation.....	4
1.2.2 Package-2 implementation.....	5
1.3 Key challenges and risks and recommendations	6
1.3.1 Key challenges and risks	6
1.3.2 Recommendations	7
1.4 Action Log	7
1.5 DDCCS&PMS Contractual Tasks	8
2. Summary of Key Achievements during the reporting month.....	9
2.1 Package-1	9
2.2 Package-2	11
2.3 Package-3	13
2.4 DDCCS&PMS Consultancy Services.....	14
3. Project Progress	15
3.1 Task A: Update Design, Bid Documents, RAP, EIAs, etc. for Package-1 Polders	15
3.1.1 Design	15
3.1.2 Bid Documents	15
3.1.3 RAP Implementation Package-1.....	15
3.1.4 Status of Physical and Commercial Displacement/Relocation (Non-titled)	19
3.1.7 Progress in relocation of the Titled Affected households in package-1	20
3.1.8 Grievance Redress Mechanism (GRM)	23
3.1.9 Consultation and Participation (Citizen Engagement)	24
3.1.10 Status of Land Acquisition of Package-1	25
3.1.11 Land Acquisition for Package-2	26
3.1.12 Updating of RAP for Package-2	27
3.1.13 Preparatory Activities.....	27
3.1.14 Implementation RAP for Package-2	27
3.1.15 Payment & Resettlement Benefits for Package-2	28
3.1.16 Relocation Status of Package-2 after compensation payment of First Indent	29
3.1.17 Status of Physical and Commercial Displacement/Relocation (Non-titled)	31
3.1.20 Grievance Redress Mechanism (GRM)	32

3.1.21	Focus Group Discussion for Package-2.....	33
3.1.22	Distribution of Information Brochure and GRM Leaflet of Package-2	33
3.1.23	Database Preparation of Package-2	33
3.1.24	Formation of PAVC & GRC Committee Package-2	34
3.1.25	Video Filming of Affected Properties for GRC and PRAC	34
3.1.26	Devised ID number of the Non-Titled EPs	34
3.1.27	Preparation of EIA.....	34
3.2	Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package- 2 Polders	35
3.2.1	Data processing & reviewing the shop drawings.....	35
3.2.2	Design status	35
3.3	Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package-3 Polders	35
3.3.1	Design	35
3.3.2	Bidding Document	36
3.3.3	RAP Preparation for Package-3	36
3.3.4	LAP Preparation for Package-3.....	36
3.4	Task C: Supervise Construction & Administer Contract of Package-1.....	37
3.4.1	Introduction	37
3.4.2	Staffing	37
3.4.3	Equipment Mobilization	38
3.4.4	Finances of Contractor Package-1	39
3.4.5	S-Curve of Package-1	40
3.4.6	Physical Progress (Mile Stone Matrix).....	41
3.4.7	Emergency Works in Package-CEIP-1/W-01	59
3.4.8	Field Visit observation	70
3.4.9	Meetings.....	73
3.4.10	Preparation of Bi-annual Environmental Monitoring Report	73
3.4.11	Information on number of workers, number of training etc.	73
3.4.12	Noise Measurement of Automatic CC Plant.....	74
3.4.13	Information of EHS related Issues of Package-2	75
3.4.14	Polder-wise Information and noise measurement data of Polders of Package-2	76
3.4.15	Progress of Mechanical Work	80
3.5	Task C: Supervise Construction & Administer Contract of Package-2.....	81
3.5.1	Introduction	81
3.5.2	Physical Progress (Mile Stone Matrix).....	81
3.5.3	Advance Payments	94
3.5.4	Equipment mobilization.....	94
3.5.5	Plans for execution of works	98
3.5.6	Construction of Regional of Building at Patuakhali and others building at Kalapara and Pathorghata.....	99
3.5.7	Emergency works in Polder-40/2, 41/1, 47/2 & 48:.....	99

3.5.8	Finance (Invoices) Contractor Package-2	104
3.5.9	Contract Modifications.....	104
3.5.10	S-Curve of Package-2	104
3.5.11	RAP implementation.....	106
3.5.12	LAP implementation	106
3.5.13	Progress on Purchase of vehicles	106
3.6	Task D: Project Management Support Services	106
3.6.1	Financial Projection.....	106
3.6.2	Modification of Consultancy Contract	107
3.6.3	Support to PMU	107
3.7	Consultant Inputs	107
3.7.1	Staffing and staff changes approved or in process during the month	107
3.7.2	Monthly Forecast of Payment for Consultancy Services:	109
3.7.3	Finance (Invoices) RHDHV/DDCS&PMS Consultants	110
Annex 1: Updated Physical Site Works: Package-1 & 2.....		111
Annex 3: Labour Influx Report.....		113
Annex 3: Key Performance Indicators and Targets per PAD/DPP		125

List of Tables

Table 1-1: Action Log	7
Table 3-1: Updated numbers of Non-titled entities up to April 2019	15
Table 3-2: Polder- wise payment made by DCs Khulna & Bagerhat till April 2019	16
Table 3-3: Substantial progress report in payment of compensation under law till April 2019.....	17
Table 3-4: Update Relocation Status as of April 2019	18
Table 3-5: Physical displacement and Economical displacement (non-titled) of Package-1	19
Table 3-6: Relocation Status of Residence (Physical Displacement) in Package-1.....	19
Table 3-7: Status Relocation Status of Economical/Commercial Displacement (non-titled).....	19
Table 3-8: Polder wise Number of relocated of Titled EP (Residence and Commercial Awardees) compensation under law	20
Table 3-9: Organogram of GRC	23
Table 3-10: The status of complaints/cases received and resolved by GRC	24
Table 3-11: Status of land acquisition for four Polders under Package-1	25
Table 3-12: Status of land acquisition for Package-2	26
Table 3-13: Polder-wise numbers of Entitled Persons	27
Table 3-14: Status of ID card preparation for Implementation in Package-2	27
Table 3-15: Status of up to date progress of Polder wise EP ID Cards preparation of Package-2 .	28
Table 3-16: Payment of Resettlement Benefit in package-2	29
Table 3-17: Status of relocation in Package 2.....	30
Table 3-18: Physical displacement and Economical displacement (non-titled) of Package-2	31
Table 3-19: Relocation Status of Residence (Physical Displacement) in Package-2.....	32
Table 3-20: Status Relocation Status of Economical/Commercial Displacement (non-titled).....	32
Table 3-21: Organogram of GRC.....	32
Table 3-22: The status of complaints/cases received and resolved by GRC	33
Table 3-23: Status on FGDs as of April 2019	33
Table 3-24: Status of up to date progress of PAVC activities of Package-2	34
Table 3-25: Status of Design for Package-2	35
Table 3-26: Status of Design for Package-3	36
Table 3-27: Update Status of Package-3.....	37
Table 3-28: List of Polder-wise Manpower Deployed to Site of Package-1	38
Table 3-29: List of Equipment	38
Table 3-30: Monthly Forecast of Payment for Package-W/-01 is furnished below	39
Table 3-31: Physical Works of Package-1 as on 30 April 2019	41
Table 3-32: Physical Works Polder Wise of Package-1 as on 30 April 2019.....	42
Table 3-33: Detailed information of Construction Status of Embankment of Package-1	43
Table 3-34: Detailed information of Construction Status of Drainage Channel of Package-1	47
Table 3-35: Detailed information of Construction Status of Drainage Sluices of Package-1.....	48
Table 3-36: Detailed Information of Construction Status of Flushing Sluices of Package-1	49
Table 3-37: Detailed Information of Repair of Drainage & Flushing Sluices of Package-1	50
Table 3-38: Detailed Information of Slope Protection Works of Package-1	51
Table 3-39: Detailed Information of Bank Protection Works of Package-1	52
Table 3-40: Detailed Information of Construction of Closure Dam of Package-1.....	52
Table 3-41: Progress as on April 2019	55
Table 3-42: CC Blocks Production as on April 2019	55
Table 3-43: Information of Repair of Flushing Sluices and Drainage Sluices	58
Table 3-44: List of Flushing Sluices Dropped from the repairing Program.....	59
Table 3-45: Summary of Emergency works under the head of "Environmental Mitigation Works" 59	
Table 3-46: Summary of Emergency works under the head of "Physical & Price Contingency"	59
Table 3-47: Details of Emergency Works under the head of "Environmental Mitigation Works" ...	60
Table 3-48: Detailed of Emergency Works under the head of "Physical & Price Contingencies" ...	63

Table 3-49: Information for the month of April, 2019	74
Table 3-50: Noise level of functional Pankhali CC Block Manufacturing Plant-1 area, Polder 32... 74	74
Table 3-51: Noise level of functional Tafalbari Automatic CC Block Manufacturing Plant, Polder 35/1	75
Table 3-52: Noise level of Daratana Automatic CC Block Manufacturing Plant, Polder-35/3	75
Table 3-53: Information for the month of April 2019, Package-2	76
Table 3-54: Noise records for Polder 39/2C, April 2019	77
Table 3-55: Noise records for Polder 40/2, April 2019	78
Table 3-56: Noise records for Polder 41/1, April 2019	78
Table 3-57: Noise records for Polder 47/2, April 2019	79
Table 3-58: Noise records for Polder 48, April 2019	79
Table 3-59: Physical Works of Package-2 as on 30 April 2019	81
Table 3-60: Detailed Information Polder Wise for Package-2	82
Table 3-61: Detailed Information of Construction of Embankment for Package-2.....	83
Table 3-62: Detailed Information of Construction of Drainage Channel for Package-2	86
Table 3-63: Detailed Information of Construction Status of Drainage Sluice for Package-2.....	87
Table 3-64: Detailed Information of Construction Status of Flushing Sluice for Package-2	88
Table 3-65: Detailed Information of Repair of Drainage & Flushing Sluice for Package-2.....	89
Table 3-66: Detailed Information Slope Protection Work for Package-2	90
Table 3-67: Detailed Information Bank Protection Work for Package-2	90
Table 3-68: Detailed Information Construction of Closure Dam for Package-2	90
Table 3-69: Progress of Package-2 as on April 2019.....	93
Table 3-70: CC Blocks Production as on April 2019	93
Table 3-71: Contractor Staffs available in Package-2.....	94
Table 3-72: Mobilisation List of Equipment for Package-2	94
Table 3-73: Summary of Emergency works under the head of "Environmental Mitigation Works"	100
Table 3-74: Summary of Emergency works under the head of "Physical & Price Contingency" ..	100
Table 3-75: Detailed of Emergency Works under the head of "Provisional Sum"	102
Table 3-76: Detailed of Emergency Works under the head of "Physical & Price Contingency" ...	103
Table 3-77: Tentative forecast of Payment of Package-2	106
Table 3-78: Overview of Staffing (including Proposed Replacements).....	107
Table 3-79: Tentative information on financial of payment for DDCS & PMS Consultants	109
Table 3-80: Overview of Consultants Invoices since Project Inception	110

List of Figures

Figure 3-1: FGD in Polder 32 at Starkhali.....	17
Figure 3-2: FGD in Polder 33 at Chunkuri	17
Figure 3-3: FGD at Rajoir in Polder 35/1	17
Figure 3-4: FGD at Rajapur in Polder 35/1	17
Figure 3-5: FGD by LAP/RAP team for DC Payment, Khulna for Polder-32 & 33	18
Figure 3-6: FGD by LAP/RAP team for DC Payment, Bagerhat for Polder-35/1 & 35/3	18
Figure 3-7: HH 498 Before relocation of Polder-33	20
Figure 3-8: HH 498 After relocation of Polder-33	20
Figure 3-9: HH 229 Before relocation of Polder-32	20
Figure 3-10: HH 229 After relocation of Polder-32	20
Figure 3-11: HH 214 Before relocation of Polder-32	21
Figure 3-12: HH 214 After relocation of Polder-32	21
Figure 3-13: HH 1712 Before relocation of Polder-35/1	21
Figure 3-14: HH 1712 After relocation of Polder-35/1	21
Figure 3-15: HH 1713 Before relocation of Polder-35/1	21
Figure 3-16: HH 1713 After relocation of Polder-35/1	21
Figure 3-17: HH 1732 Before relocation of Polder-35/1	21
Figure 3-18: HH 1732 After relocation of Polder-35/1	21
Figure 3-19: House relocation at FS-1 in Polder 35/3	22
Figure 3-20: Removing house for construction of FS-1 in Polder 35/3	22
Figure 3-21: Group Relocation site: Meeting at CEIP Village, Uttar Kamarkhola under Polder-32	22
Figure 3-22: Relocation site at Mollikerber Madrasha Bazar in Polder-35/3.....	23
Figure 3-23: Market Relocation for Joynagar Bazar at Polder 32	23
Figure 3-24: Two different Group relocation sites of Pochim Kuakata of Polder 48	30
Figure 3-25: Khajura village Group relocation of Polder-48	30
Figure 3-26: Another group of relocation of Pochim Kuakata of Polder 48	30
Figure 3-27: HH 226 before relocation in Polder-41/1	31
Figure 3-28: HH 226 after relocation in Polder-41/1	31
Figure 3-29: HH 226 before relocation in Polder-41/1	31
Figure 3-30: HH 226 after relocation in Polder-41/1	31
Figure 3-31: Graphical Presentation of List of Equipment Contractor of Package-1	38
Figure 3-32: S-Curve of Package-1	40
Figure 3-33: Construction/Re-sectioning of Embankment of Package-1	53
Figure 3-34: Drainage Channel of Package-1.....	53
Figure 3-35: Construction of Drainage Sluices of Package-1	53
Figure 3-36: Construction of Flushing Sluice of Package-1	54
Figure 3-37: Construction of Slope Protection of Package-1	54
Figure 3-38: Construction of Bank Protection of Package-1	54
Figure 3-39: CC Blocks Production of Package-1	55
Figure 3-40: Graphical Presentation of CC Block Production for Package-1	56
Figure 3-41: DS-4 of Polder-33	56
Figure 3-42: DS-7 of Polder-33	56
Figure 3-43: DS-13 of Polder-33.....	56
Figure 3-44: DS-9 of Polder-33	56

Figure 3-45: DS-10 of Polder-33.....	57
Figure 3-46: DS-12 of Polder-33.....	57
Figure 3-47: FS-17 of Polder-33	57
Figure 3-48: DS-5 of Polder-35/1	57
Figure 3-49: DS-6 of Polder-35/1	57
Figure 3-50: FS-2 of Polder-35/1	57
Figure 3-51: FS-13 of Polder-35/1	58
Figure 3-52: DS-1 of Polder-35/3	58
Figure 3-53: DS-3 of Polder-35/3	58
Figure 3-54: FS-2 of Polder-32	58
Figure 3-55: Construction / Re-sectioning of Embankment of Package-2	91
Figure 3-56: Construction of Drainage Channel of Package-2	91
Figure 3-57: Construction of Drainage Sluice of Package-2	91
Figure 3-58: Construction of Flushing Sluice of Package-2	92
Figure 3-59: Construction of Slope Protection of Package-2	92
Figure 3-60: Construction of River Bank Protection of Package-2.....	92
Figure 3-61: CC Blocks Production of Package-2.....	93
Figure 3-62: Loading The CC Block For River Protection Works of Polder-39/2C.....	96
Figure 3-63: CC Blocks dumping for river bank protection work in Polder 39/2C.....	96
Figure 3-64: Pouring the Lean Concrete For DS-7 of Polder-39/2C.....	96
Figure 3-65: Drilling the Dewatering Bore Hole For DS-5 of Polder-40/2.....	96
Figure 3-66: Executing the Sand Pile For DS-5 of Polder-40/2.....	96
Figure 3-67: Fixing the Deformed Bar For FS-10 of Polder-40/2	96
Figure 3-68: Executing the Sand Pile for DS-7of Polder-41/1	97
Figure 3-69: Pouring the RCC Box Base Slab For DS-9 of Polder-41	97
Figure 3-70: Pouring the RCC Wall for FS-1 of Polder-41/1	97
Figure 3-71: Pouring the RCC Base Slab For DS-6 of Polder-41/1	97
Figure 3-72: Establishing the LC form for DS-7 of Polder-43/2C	97
Figure 3-73: Establishing the Form for RCC Wall for DS-3 of Polder-47/2	97
Figure 3-74: Construction of EMB Near K34+600 of Polder-48	98
Figure 3-75: Excavating the Drainage Channel Near DS-3-4 of Polder-47/2	98
Figure 3-76: Emergency Work of Polder-48.....	100
Figure 3-77: S-Curve for Package-2.....	105

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	<i>Department of Agriculture</i> Extension
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	Ministry of Environment and Forest
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
RAP	Resettlement Action 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 April 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 April, 2019.

The Executive Summary will also first focus on the implementation of the 2 (two) construction Contracts for **Package-1** and **Package-2**. 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 progress of the construction works for Package-1 and Package-2. Other Consultants tasks are summarised separately in this Chapter.

1.2.1 Package-1 implementation

The key issues for the month of April 2019 regarding Package-1 are summarised below as follows:

1. The physical progress up to April 2019 is 73.42% against the target of 77.84%.
2. Based on this we have determined that the actual progress is lagging than the revised target (77.84%) by about 4.42%. Hence the Contractor will be pushed to catch up the target to complete the Works within the revised time for Completion. In April 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 Site;
 - iii) Extension of time due to various disruptions to the planned progress of the Works, and
 - iv) Extension of time due to variations for increase in Quantities/Volumes.
 - v) The Extension of Time has been approved upto 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 30 Nos. Drainage Sluices and 20 Nos. Flushing Sluices and has been working together with the Engineer on the handing over procedures.
4. Following the Mission of the Environmental Team of the World Bank, follow-up has been given to areas of improvement and continued in the month of April 2019 also. 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 Contractor doing so and this has resulted in improvements in April 2019.
5. 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 reviewing and finalization by the contractor. The comments & 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 described to 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 has approved it and requested to start the work immediately. However, the Contractor has mobilized and started the work and by 30 April 2019 they have dumped about 997,697 (nine lacs ninety seven thousand six hundred ninety seven) sand fill synthetic bags to prepare the foundation of the closure but their activities are not yet satisfactory.

6. 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.
7. The installation of gates and hoists in 19 sluices have been completed and the remaining 19 nos. 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 is now under revision on Design Office of BWDB.
8. Contractor is claiming 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 has been reviewed by the PMU and suggested to compare the determinate rate of the Engineer with the schedule rate of Khulna O & M Circle. The Variation Order No.3 has been submitted 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.
9. 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) and out of the rest 14 nos. 4 nos. have been completed, 9 nos. are in progress and remaining 1 no has not yet been started for want of design. The design has not been possible to prepare for non-availability of design data which are supposed to be supplied by the contractor. However that will be taken up and completed during the current dry season positively without fail. There is provision for repairing works of 2 nos. drainage sluices which are in progress and will be completed by June 2019.

1.2.2 Package-2 implementation

The key issues for the month of April 2019 regarding Package-2 are summarised below as follows:

1. The physical progress up to April 2019 is 23.65% against the target of 45.99%.
2. The progress of Contractor during the last financial year was highly disappointing; they failed to meet the targets set for FY 2017-2018 committed in a meeting of 12th November 2017. Main issue for poor progress was the problem of timely availability of materials but that is now (almost) 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. However, the present performance of the Contractor in this dry season is not yet satisfactory also. Meetings with higher Management of Contractor were held and an action plan is being prepared, however, follow-up is lacking, and Engineer is pushing the Contractor.
4. As per World Bank Mission during 21 October to 25 October, 2018 on environmental aspects of the CEIP-1 Project, 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 visit.

The Engineer discussed with Contractor about the work program for the FY 2018-19. They were advised to prepare an accelerated work program in such a way that the lapses of the progress of last FY can be coped up in this FY. According to advice, the Contractor submitted the accelerated

work program which has been reviewed by the Consultants and submitted to PMU. It is, however, noted that the accelerated work program shows completion earlier than contractual date of completion and therefore not binding. An earlier date of completion would require a Variation Order. However, as per revised program there was target to complete 45.99% of the Physical Work by April, 2019 but the actual progress is lagging by about 22.34%. Hence the Contractor will be pushed strongly to catch up the revised target.

Other tasks of Consultants

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

1. The Draft Final Reports of EIA/EMP for all 7 Polders under Package-3 have been finalized and submitted to PMU. The PMU submitted the reports to the WB for their review.
2. 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.
3. The Consultant supported the PMU with the missions and meetings of the World Bank delegations to the Project including site visits and various reports and recommendations.

1.3 Key challenges and risks and recommendations

1.3.1 Key challenges and risks

Key challenges and risks are listed below:

1. The weather conditions in April 2019 were favourable for construction of civil works.
2. Risks related to the site situations not being available remains valid for April 2019; all stakeholders, being the Client, Client's regional offices, DC's, Contractor and Consultants, are doing their utmost efforts to organise this in a practical and pragmatic manner. It is Consultants view that progress is being made in the joint efforts in the interest of the CEIP-1 Project. This is an area which requires continued highest attention of all concerned;
3. The World Bank modified FIDIC Contracts which are in place stipulate specific deadlines in terms of modifications, possible claims and variations. Where it concerns approvals from higher levels within the BWDB, procedures should streamline to avoid undesirable claims from Contractors. This was noted in April 2018 and has yet to be made clear and was also discussed in above mentioned FIDIC training for follow-up actions. The division of (the FIDIC-like) roles between the Employer – Engineer – Contractor is not clear in practice and a point of concern.
4. Although a Modified Contract No. 2 for Consultancy Services was signed in the beginning of last year, Consultants envisage that further optimisation is urgently required to cope 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 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). After several discussions with the PD, the proposal for Budget Neutral Modified Contract No-3 has still not finalized. By this time a few numbers of senior consultants both in the field and in the Head, Quarter have already been exhausted but for the interest of the services they are still working with the financial support from the Head Quarter Over Head of the Consultancy Firm. However, the proposal for Budget Neutral Modified Contract No.3 needs to be approved as soon as possible.

1.3.2 Recommendations

The following recommendations are made:

1. 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;
2. Modified Contract No. 3 needs immediate approval by the competent authority for smooth continuation of the services.

1.4 Action Log

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	Consultant's report improvements done, Contractor achieved most of the requirements, EHS improvement is continued
Nov17-003	Revised Work Plan including methodology and resource planning.	30-11-17	Contractor		Partly	<ul style="list-style-type: none"> Contractor Package-1 has submitted a draft work program based on Claim No. 2 for Extension as per recommendation given by the consultants and the submitted work program has been reviewed and sent to PMU. Contractor Package-2 has submitted an accelerated revised work program which has been reviewed by the consultants 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 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 is recommended by the Consultants with judicious justifications and sent to PMU. As per instruction of the Project Director the Contractor is requested to submit the Application for Extension of Intended Completion Date, in specified Proforma, duly filled in. However, the contractor submitted the proforma filled in without waiving his right for claiming additional costs.
Dec17-003	Prepare workshop on innovative design approaches adopted for CEIP-1 Project,	31-01-2018	Consultants			The Workshop for new design approaches for CEIP-1 was organized in 27 May 2015. Hence the action as asked for may be deleted.

Action No.	Description of action	By when	By whom	Done by and can be deleted from this Action Log next month		Remarks
				Date	Done	
Jan18-001	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 progress of works Package-1	20-02-2018	Contractor and Engineer			The Contractor has submitted a draft work program following the recommended extension of time up to June 2020 and the same has been reviewed by the Engineer and sent to PMU.
Jan18-003	Take measures to further increase progress of works Package-2	20-02-2018	Contractor and Engineer			Meetings with higher Management of Contractor were held and an action plan is being prepared, however, follow-up is lacking, and Engineer is pushing the Contractor. The Contractor has submitted an accelerated work program which has been reviewed and sent to PMU.
Feb2018-001	Follow-up Environmental Mission 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 meetings on work progress and for preparing the updated work programs for the fiscal year 2018-2019
	Submission of Contractor's Monthly Work Program with detail resources allocation		Engineer			This action is impossible to execute as the monthly program is depending on many factors in terms resource allocation.

1.5 DDCS&PMS Contractual Tasks

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, related to Package-1 only during the inception phase of the Project; updates are being done regularly in LAP/RAP activities;
- Task B : Prepare detailed designs for all remaining polders and works of Package-2 and Package-3 that would be included in the Project, including the Engineering and Environment and Social studies (mathematical modelling, detailed designs, EIAs, EMPs/EAPs, geotechnical investigation); this task is ongoing;
- 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 (PMS) to Project Management Unit (PMU) under the BWDB agency (mainly consisting of support for reporting, mapping products, data bases, preparation of all stakeholder's meetings, establishment of minutes of meeting, special thematic reporting, joint teaming up to establish thematic reports, oral/written advice on contract management and project management of site works; and seconding and assisting WB missions to the field).

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 and some Emergency Works are in progress.
3	Works	<ul style="list-style-type: none"> ➤ Construction / Re-Sectioning of Embankment: 2.08 Km (Full) & 1.08 Km (Part) ➤ Excavation / Re-Excavation of Drainage Channel: 1.56 Km ➤ Construction of Drainage Sluice: 0 no. (Full) & 8 nos. (Part) ➤ Construction of Flushing Inlet: 2 nos. (Full) & 09 nos. (Part) ➤ Repair of Flushing Inlet: 1 no. (Full) & 09 nos. (Part) ➤ Embankment Slope Protection Works: 2.387 Km ➤ River Bank Protection Works: 0.06 Km ➤ Nalian Closure Dam: Foundation work 63% completed.
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-May 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 April 2019 stands at 5,347 of whom 4,619 non-titled (Squatters), 448 tenants and 280 as wage labors. • BDT 5868.49 lac has been paid to the 3965 non-titled EPs (squatters) as compensation against their affected residential and commercial structure, fish gher, tress, etc. Moreover, the compensation has been paid for Social Forestry (27 nos. for CPR) is BDT 16.12 lac and for removing 48 nos. electric poles an amount of BDT 12.75 lac. In total BDT 5897.36 lac has been compensated in Package-1 up to April 2019.
6	LAP	<ul style="list-style-type: none"> • 131.03 ha land was Programmed for Land Acquisition (LA) in four polders. • Possession received a total of 116.57 ha and a total of 14.46 ha lands are pending for procession received which is total 11.12 ha land of Polder 35/1 in three mouza (Kumarkhali-1.62 ha, Rayenda-2.57ha & Sharankhola Mouza - 6.93ha) & 3.34 ha lands of Polder 33 in one mouza (Banishanta). • The proposal for 3.34 ha Banisanta mouza of Polder-33 has sent on 10/10/2018 to the MoL by DC for final approval and accordingly MoL approved 3.34 ha land on 13/01/2019. The DC Khulna has send the final estimate to BWDB on 24-04-19 for placement of fund.

No.	Item	Key Achievements during the month – Package-1
		<ul style="list-style-type: none"> On the other hand, in Polder-35/1, reconnaissance field visit has been completed for 11.12 ha land under three mouzas (Kumarkhali, Rayenda & Sharankhola) on 18th March 2019. Reconnaissance field visit report already submitted to the DC by the ADC, Bagerhat which will be presented in the DLAC meeting soon. As of April 2019, DC office Khulna & Bagerhat have paid a total BDT 5859.33 (69.58%) against 2202 nos. of awardees among Titled EPs (701 nos. of Polder-32, 339 nos. of Polder-33, 809 nos. of Polder-35/1 & 353 nos. of Polder-35/3).
7	Relocation	<ul style="list-style-type: none"> About 96.92% of paid Eps (non-titled) have already been relocated. The majority (53.90%) EP has relocated on their own land; 11.95% on newly purchased land; 17.12% EP has replaced to their relatives or others' land; 11.78% have relocated temporarily at nearby area; 3.09 % of the paid EPs are yet to be relocated from the ROW and 1.08% & 1.08% have relocated respectively in Market & Group Relocation.
8	Grievances	151 complaints/grievances have received up to April 2019 by GRC. 33 complaints/grievances have been resolved at the entry level, while 114 cases have been resolved through investigations and formal hearing by GRC. 04 lodged grievances have been trying to resolve in entry level by the 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.
Contractor10	Value of Physical Work Done	The total value of physical work done up to April 2019 is BDT 5151.86 million and during April 2019 is BDT 135.25 million .
11	Finance	Total expenditure incurred up to IPC-16 is BDT 4233.82 million including 10% advance payment. An amount of BDT 346.16 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

No.	Item	Key Achievements during the month – Package-1
		<p>has been compared with the schedule rate of Khulna O & M Circle and found determination rate is lower than the 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.</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 provided some observations and suggestions on the Draft Contract Supplement No.1 on 29th April 2019 and accordingly the Draft Contract Supplement No.1 is being revised and will be submitted to PMU very soon.</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 will conduct pre-construction surveys for the rest sections of the Polders and then to be followed up by making the shop drawings for the 2 nd & 3 rd dry season period 2018-2019 and 2019 -2020 respectively. Task force will be included in all survey works.
3	Works	<ul style="list-style-type: none"> ➤ Construction / Re-sectioning of Embankment: 0.22 Km (Full) & 12.28 Km (Part) ➤ Drainage Channel Excavation/Re-excavation: 6.90 km (F) ➤ Construction of Drainage Sluices: 19 nos. (p) ➤ Repair of Drainage Sluices: 1 no. (p) ➤ Construction of Flushing Inlets: 15 nos. (p) ➤ Repair of Flushing Inlets: 2 nos. (p) ➤ River Bank Protections: 0.36 Km (F) ➤ Embankment Slope Protection Work: 0.00 km
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; facilities and buildings are under construction now. 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 6693 entities have been identified of whom 1755 entities are titled and 4779 are non-titled on Government land (squatters) which may fluctuate, 195 units are identified as community properties and 59 as other institutions will be

No.	Item	Key Achievements during the month – Package-2
		<p>affected. A total of 864 tenants have been identified among them 801 are commercial and 63 are residential HHS. Moreover, 386 wage labours have also been identified as affected in commercial premises.</p> <ul style="list-style-type: none"> • 159 nos. of EPs have been deducted from recent survey and technical reason by field verification jointly by the DDCS & PMS Consultant along with LAP/RAP team. • Necessary papers and documents such as Bank Account deposit slip, photocopy of national ID cards etc. have been collected from the Non-Titled EPs. ID Cards are being prepared for non-titled EPs (squatters, tenants, wage laborers). The tenants and wage labours are not included in the current EP list. • from the Project Director has been approved a list of 3880 Eps for issuance ID Cards by concern XEN. The approved card lists include 1376 nos. of Polder-48, 160 nos. of Polder-47/2, 560 nos. of Polder-43/2C, 653 nos. of Polder-41/1 and 1131 nos. of Polder-40/2 which all has sent to the concern XEN's for issuance. Thereafter a total of 1912 EP ID cards issued by the concerned XEN which includes 890 nos. of Polder-48, 160 nos. of Polder-47/2, 296 nos. of Polder-43/2C, 181 nos. of Polder-41/1 and 385 nos. of Polder-40/2. • A total of 1824 EPs have been selected for payment of compensation/Resettlement benefits under first and second indent according to the policy of Resettlement Action Plan (RAP) out of which 1812EPs have been received compensation/Resettlement benefits. • The 2nd indent (part-2) of compensation payment under package-2 has submitted to the Project Director, CEIP-1 for his review and approval.
6	Preparation of LAP	<ul style="list-style-type: none"> • 154.76 ha land was Programmed for Land Acquisition (LA) in four polders. • The land acquisition proposal for six polders under Package -2 has been submitted to concern DC (Pirojpur, Jhalokhathi, Barguna and Patuakhali) for acquisition. • 139.18 ha land has approved by MoL for polder 39/2C, 40/2, 41/1, 47/2 & 48. BWDB has been placed fund against CUL of final estimate to DC, Pirojpur for Polder 39/2C (5 nos. of LA case), Barguna for Polder-40/2 and Polder-41/1 • 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) Mouza (Golkhali, Purbogolkhali, Kalirchar, Charhoridevpur, Sohorirnirchar). 4 (Four) of them sent to the MoL for final approved and one is under process. Remaining 6 (Six) mouza have been returned for correction by DC office, Patuakhali which are now being under process to complete for further submission to DC office, Patuakahali. • For Polder-39/2C, Notice u/s- 6 served & U/S-7 is Under process.
7	Relocation	<ul style="list-style-type: none"> • The majority (49.35%) EP has relocated on their own land; 7.22% on newly purchased land; 10.77% EP has replaced to relative's or others' land; 20.30% have been relocated temporarily at nearby area; 4.49 % of the paid EPs are yet be relocated from the ROW and 7.87% made group relocation.
8	GRC	<ul style="list-style-type: none"> • A total number of 45 complaints/grievances have been received up to April 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.

No.	Item	Key Achievements during the month – Package-2
9	Environment	The Contractor is carrying out the EHS compliances, which is improving with time through monitoring and learning. World Bank provided some comments on the 3 rd version of C-ESMP, on which the Contractor has to make response. They also prepared the EHS Risk Assessment of all the 6 Polders and the documents will be translated by the Contractor.
10	Value of Physical Work Done	The total value of physical work done up to April 2019 is BDT 2,082.03 million and during April 2019 is BDT 299.73 million .
11	Finance	Total expenditure incurred up to IPC-06 is BDT 2096.04 million including 10% advance payment.
12	Contract Administration	No change in Contract was operated.

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 completed in the month of February 2018 and sent to the Superintending Engineer, Design Circle-5 for review. Very recently, the review has been completed and 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 process. The outcomes of the mathematical modelling are being used as input and boundary conditions for design of the structures under Package-3 with ambition to finish them by June 2019
3	Bid Documents	Some sections of the Bidding Documents have been advanced and waiting for the preparation of BOQ yet the design and drawing of some components are to be completed.
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. Preparation of draft RAP is under process.
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.
6	Environment	<p>Responses on the World Bank comments on EIAs of all the 7 Polders of Package-3 have been completed and submitted to PMU for observation and submission to the World Bank for finalization.</p> <p>Bi-annual Environmental Monitoring Report for the period July-December, 2018 submitted to PMU for onward transmission to the World Bank and subsequently submitted to World bank on March 28, 2019 for review.</p> <p>Submitted reviewed C-ESMP reports of Package-2 to PMU for forwarding to the World Bank. The report also submitted to World Bank on 28 March 2019 for review</p>

2.4 DDCS&PMS Consultancy Services

No.	Item	Key Achievements upto this Month - Consultant
1	Construction Supervision Systems/Tools	Package-1 physical progress is 73.42% (4 Polders). Package-2 physical progress is 23.65% (6 Polders). Package-3 no contract, hence no site works (7 Polders).

3. Project Progress

3.1 Task A: Update Design, Bid Documents, RAP, EIAs, etc. for Package-1 Polders

3.1.1 Design

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 updated at the time of commencement of Implementation of the Civil Works.

3.1.2 Bid Documents

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.

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-May 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 laborers 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 and including dockyards labourers as non-titled EPs. The final numbers of entities as of April 2019 stands at **5,347** of whom **4,619 non-titled (Squatters)**, **448 tenants** and **280** as wage labourers. Payment of compensation, grants and resettlement benefits for four Polders under Package-1 was started in June 2016. As of April 2019, a total of **BDT 5897.36 in Lac** has been paid to the **3,965** non-titled EPs (squatters), **27** nos. for social forestry and **48** electric poles as compensation, grants and resettlement benefits against their affected residential, fish gher, commercial, tress and common structures under first to ninth indent of Package-1. 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 April 2019

Polder	Non-titled (Squatters)	Tenants	Wage Labourers	Total	No of EPs Paid	Amount paid in BDT (Lac)
32	1251	86	23	1360	1251	1553.36
33	1462	157	75	1694	1201	1723.38
35/1	1624	196	171	1991	1252	2197.47
35/3	282	9	11	302	261	394.28
Total	4619	448	280	5347	3965	5868.49
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					48	12.75
Grand Total					4040	5897.36

For payment of compensation and resettlement benefits to all kinds of EPs, necessary documents are being prepared as a continuous process. Progresses of activities in terms of preparation of documents are as follows:

- i. Among the total number of **5,347 non-titled** EPs, the ID numbers of all (100%) were devised;
- ii. Opening of Bank Accounts of non-titled Eps were completed for 5,347 (100%);
- iii. Preparation of EP ID Cards for non-titled EPs 5,347(100%);
- iv. EP ID cards have been checked & verified by Resettlement Specialist is 5,346 (100%); EP ID cards have been issued by XEN 5,346 (100%).
- v. Necessary processing is under process for the newly affected 1 (one) Eps for FS-4 of Polder-35/1 under Package-1.

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 April 2019, DC office Khulna & Bagerhat has paid a total BDT **5859.33** lac against **2202 nos.** of awardees among Titled EPs (701 nos. of Polder-32, 339 nos. of Polder-33, 809 nos. of Polder-35/1 & 353 nos. of Polder-35/3). 46 nos. of EPs have been paid under the CUL **has been made in April 2019**. As the continuous process, the social team is keeping contract with the concern DC office for expediting the CUL payment and holding meeting regularly. On 28/04/19 meeting held with ADC Khulna for expediting the CUL payment. 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 April 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 in percentage (based on 100%)
1	2	3	4	5	6	7	8
32	3003	2023	1615.37	701	406	1076.49	66.64
33	2066	1317	770.04	339	179	536.89	69.72
35/1	1087	1087	4525.92	809	724	3214.49	69.06
35/3	489	489	1510.51	353	292	1031.46	68.29
Total=	6645	4916	8421.84	2202	1,601	5859.33	69.58

3.1.3.3 The substantial progress in payment of compensation under law (CUL) in package-1

The payment has been made for **1221** residential structures against target of **1545**, paid for **62** nos. commercial structures out of **67** and paid for **919** nos. of land awardees out of **5033**. Payment made for total **46** nos. titled EPs during the month of April 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 April 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	2592	3003	289	14	398	701
33	185	32	1849	2066	118	27	194	339
35/1	729	15	343	1087	589	15	205	809
35/3	234	06	249	489	225	06	122	353
Total=	1545	67	5033	6645	1221	62	919	2202

The payment of CUL from the DC office is going on. The social team identified the sloth motion of the payment procedures by the concerned DC Office. Further, consultation meeting and FGD carried on from 06-09 April 2019 in all 4 polders of Package-1 in presence of PMU, BWDB, DDCS&PMS Consultant and LAP/RAP team and the team also met and had meeting with concerned ADC of Khulna & Bagerhat DC office for expediting the payment procedures. The social team has been trying to motivate the EPs by arranging the Focus Group Discussion (FGD) and Consultation meetings. They also assisting the EPs to prepare the payment documents and advising them on related matters and on the other hand, continuous persuasion is maintaining to the concerned DC office for following up the payment. The visual presentation is shown below:



Figure 3-1: FGD in Polder 32 at Starkhali



Figure 3-2: FGD in Polder 33 at Chunkuri



Figure 3-3: FGD at Rajoir in Polder 35/1



Figure 3-4: FGD at Rajapur in Polder 35/1



Figure 3-5: FGD by LAP/RAP team for DC Payment, Khulna for Polder-32 & 33



Figure 3-6: FGD by LAP/RAP team for DC Payment, Bagerhat for Polder-35/1 & 35/3

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, DDCS&PMS Consultant have been encouraging the EPs for group relocation so that there will be little chance to come back on the embankment. But in most cases, the affected people prefer individual relocation. Self-relocation has been started but the pace is very slow. Hopefully it will drive very swiftly within few days. A good number (57 nos.) of EPs from the total 96 nos. have not been relocated yet in polder 33 situated in Laodobe Bazar. Concern PAVC is looking for the suitable place for better market relocation. Point to be mentioned here that the construction work of the chainage is ongoing. The social team are trying to arrange group relocation.

- The majority (53.90%) EPs have relocated on their own land;
- 11.95% EPs have relocated on newly purchased land;
- 17.12% EPs been staying for the time being at relative's or others' land;
- 11.78% EPs have been relocated temporarily at nearby area;
- 3.09 % of the paid EPs are yet to be relocated from the ROW.
- 1.08% & 1.08% have relocated respectively in Market & Group Relocation.

Table 3-4: Update Relocation Status as of April 2019

Status of relocation	Number of squatters relocated by Polders					Progress in percentage (%)
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total	
1	2	3	4	5	6	7
Relocated on own land	666	716	623	132	2137	53.90
Relocated on purchased land	112	47	270	45	474	11.95
Relocated on relative & other's land	235	173	206	65	679	17.12
Relocated Temporarily at nearby area (Govt. Land)	203	169	93	02	467	11.78
Total Relocated-A	1216	1105	1192	244	3757	94.75
Not yet relocated	15	96	11	00	122	3.09
Market Relocation	06	00	20	17	43	1.08
Group Relocation	14	00	29	00	43	1.08
Total Relocation-B	45	96	60	17	208	5.25
Total Relocation target (A+B) =	1251	1201	1252	261	3965	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 displacement and Economical displacement (non-titled) of Package-1

Sl.No	Polder No.	Physical Displacement	Economical/Commercial Displacement	Total Displacement
1	32	864	387	1251
2	33	862	339	1201
3	35/1	897	355	1252
4	35/3	150	111	261
Total =		2773	1192	3965

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

It is evident from the majority of the displaced people **57.26%** relocated to self-managed land. It is very important that **15.48%** 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					Total Physical Displacement	Progress in percentage (%)
	Polder 32	Polder 33	Polder 35/1	Polder 35/3			
Relocated on own land	461	527	475	97		1560	57.26
Relocated on purchased land	103	35	241	42		421	15.48
Relocated on relative & other's land	173	126	152	10		461	16.96
Relocated Temporarily at nearby area (Govt. Land)	109	116	--	01		226	8.14
Not yet relocated	04	58	00	00		62	2.24
Group Relocation	14	--	29	--		43	1.58
Total =	864	861	897	150		2773	100

3.1.6 Relocation Status of Economical / Commercial 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/Commercial Displacement (non-titled)

Status of relocation	Number of squatters relocated by polders					Total Economical/Commercial Displacement	Progress in percentage (%)
	Polder 32	Polder 33	Polder 35/1	Polder 35/3			
Relocated on own land	205	189	148	35		577	48.41
Relocated on purchased land	09	09	29	03		50	4.19
Relocated on relative & other's land	62	40	23	55		180	15.10
Relocated Temporarily at nearby area (Govt. Land)	94	63	122	01		280	23.49
Not yet relocated	17	38	13	00		68	5.70
Market Relocation/Group Relocation	-	-	20	17		37	3.10
Total =	387	339	355	111		1192	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 **1180** residential has relocated out of **1221** where progress for the month of April 2019 is **20** and **62** commercial structures relocated out of target **62**. 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	289	272	14	14
33	118	113	27	27
35/1	589	579	15	15
35/3	225	218	06	06
Total	1221	1180	62	62

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.

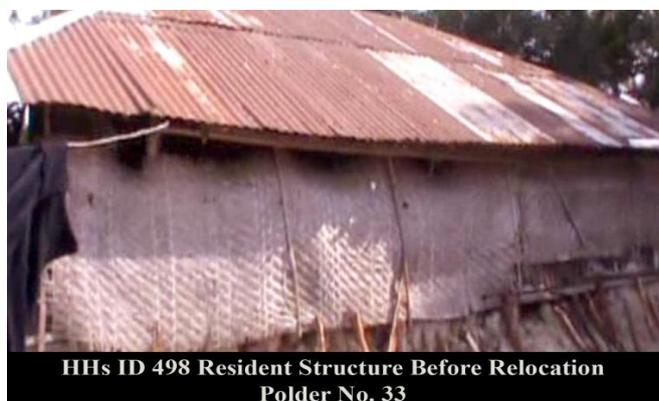


Figure 3-7: HH 498 Before relocation of Polder-33



Figure 3-8: HH 498 After relocation of Polder-33



Figure 3-9: HH 229 Before relocation of Polder-32

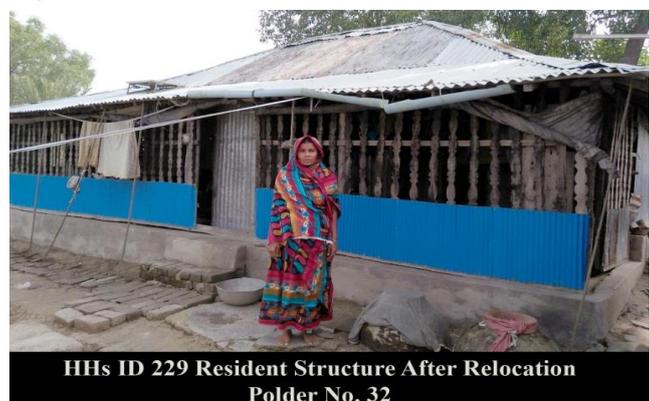


Figure 3-10: HH 229 After relocation of Polder-32



Figure 3-11: HH 214 Before relocation of Polder-32



Figure 3-12: HH 214 After relocation of Polder-32



Figure 3-13: HH 1712 Before relocation of Polder-35/1

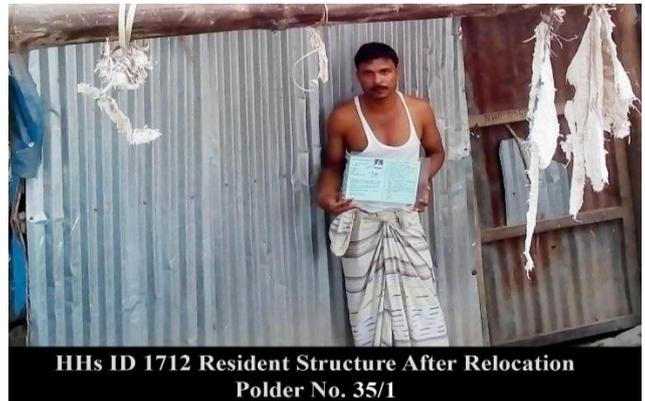


Figure 3-14: HH 1712 After relocation of Polder-35/1



Figure 3-15: HH 1713 Before relocation of Polder-35/1

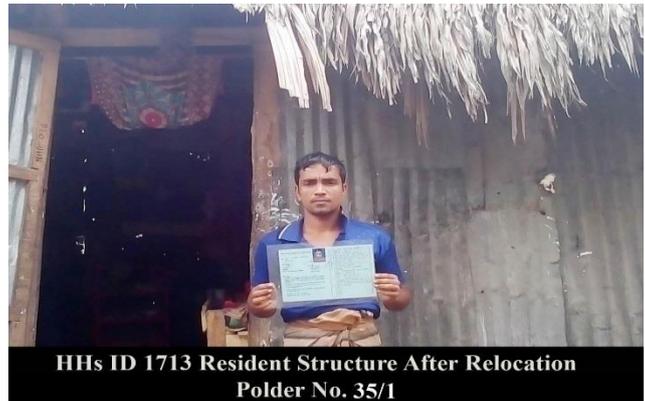


Figure 3-16: HH 1713 After relocation of Polder-35/1



Figure 3-17: HH 1732 Before relocation of Polder-35/1



Figure 3-18: HH 1732 After relocation of Polder-35/1



Figure 3-19: House relocation at FS-1 in Polder 35/3



Figure 3-20: Removing house for construction of FS-1 in Polder 35/3

Group Relocation

One group Relocation is taken place at Uttar Kamarkhola in 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.



Figure 3-21: Group Relocation site: Meeting at CEIP Village, Uttar Kamarkhola under Polder-32

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 April 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 3-22: Relocation site at Mollikerber Madrasha Bazar in Polder-35/3



Figure 3-23: Market Relocation for Joynagar Bazar at Polder 32

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:

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 April 2019 by GRC in package-1. Among those, **33 cases** have been resolved at the entry level, **114 cases** have been resolved through investigation and formal hearing by GRC. It is to be mentioned here that a total of **04** lodged grievances have been trying to resolve in entry level by the GRC and necessary actions are continuing by the Member Secretary/ LAP/RAP team and the convenor of the GRC. Grievance of Selina Begum resolved and no grievances remain regarding her land after on 20th March 2019.

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	14	29	02
2	Khulna	33	14	8	06	0
3	Bagerhat	35/1	25	6	19	00
4	Bagerhat	35/3	67	5	60	02
Total =			151	33	114	04

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 DDCCS&PMS Consultants along with the PMU experts. For example, similar consultations were organized in four Polders under package -1 in August 2018 too which reported in this monthly progress report. The main objectives of those consultations were as follows:

The main Objectives of this meeting are 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 DDCCS & 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 **116.57 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. A total of 14.46 ha lands are pending for procession received which is total 11.12 ha land of Polder 35/1 against three mouza (**Kumarkhali-1.62ha, Rayenda-2.57ha & Sharankhola Mouza-6.93ha**) & 3.34 ha lands of Polder 33 against one mouza (Banishanta). The proposal for 3.34 ha land in Banishanta mouza has already approved by MoL. The DC Khulna has submitted the final estimate of Baniashanta Mouza to BWDB on 24/04/2019 for placement of fund. On the other hand, in Polder-35/1, reconnaissance field visit has been completed for 11.12 ha land under three mouzas (Kumarkhali, Rayenda & Sharankhola) on 18th March 2019. Reconnaissance field visit report already submitted to the DC by the ADC, Bagerhat for approval of DLAC The BWDB & Social team is continuously liaison with the DC office, Bagerhat to expedite the acquisition and providing all kinds of support for successful completion of DLAC. Status of land acquisition for four Polders under Package-1 is furnished below.

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	2	3	4	5	6	7	8	9	10	11	12	13
1	32	Khulna	50.65	50.65	50.65	50.65	50.65 (26.09.17)	-	-	1615.37	1076.49 (66.64%)	Persuasion going on with Aps to expedite the CUL payment.
2	33	Khulna	14.28	14.28	14.28	14.28	10.94 (27.09.17)	3.34	-	770.04	536.89 (69.72%)	Persuasion going on with APs to expedite the CUL payment. Notice U/S-7 has been served as per new Act'17, for additional 3.34 ha.
3	35/1	Bagerhat	41.29	41.29	30.17	30.17	30.17 (22.03.18)	11.12	-	4525.92	3214.49 (69.06%)	Persuasion going on with APs to expedite the CUL payment. Necessary activities are going on for all three mouzas by the DC office on the newly proposed lands (11.12 ha). Reconnaissance field visit for 3 mouza has completed by the DC office Bagerhat on 18/03/2019.
4	35/3	Bagerhat	24.81	24.81	24.81	24.81	24.81 (08.11.17)	-	-	1510.51	1031.46 (68.29%)	Persuasion going on with Aps to expedite the CUL payment.
Sub-Total =			131.03	131.03	119.91	119.91	116.57	14.46		8421.84	5859.33 (69.58%)	

3.1.11 Land Acquisition for Package-2

The land acquisition proposal for six polders under Package -2 has been submitted to concern DC (Perojpur, Jhalokathi, Barguna and Patuakhali) for acquisition. In the meantime, **139.32 ha** land has approved by MoL for polder 39/2C, 40/2, 41/1, 47/2 & 48. BWDB has been placed fund against CUL to DC, Pirojpur for Polder 39/2C & DC Barguna for Polder 40/2 & 41/1. 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) Mouza (Golkhali, Purbogolkhali, Kalirchar, Charhoridevpur, Sohorirnirchar). 4 (Four) of them sent to the MoL for final approved and one is under process. Remaining 6 (Six) mouza have been returned for overlapping reason by DC office, Patuakhali which are now being under process to complete for further submission to DC office, Patuakhali. For Polder-39/2C, Notice U/S-6 served & U/S-7 is under process. Fund placed against final estimate Pirojpur District and preparation of estimate of Jhalokati District is under process. The status of land acquisition for Package-2 is furnished in the following table.

Table 3-12: Status of land acquisition for Package-2

SL No	Polder no.	District	Program for L.A. (ha)	Proposal submitted to DC (ha)	Approved (ha)		Possession received(ha)	Pending Ha.		Fund placed BDT in Lac	Payment of CUL by DC in BDT Lac	Remarks
					DLAC	MoL		DC	MoL			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	39/2C	Pirojpur& Jhalokhati	116.09	116.09	116.09	116.09	-	116.09	--	9537.58	--	Approved by MoL on 06.12.2017. Notice u/s- 6 served & U/S-7 is Under process. Final estimate is ongoing (Jhalokathi Portion) and some are submitted (Perojpur Portion)
2	40/2	Barguna	12.45	12.45	12.45	11.67	0.15	11.52	--	879.92	5.72	Approved by MoL on 13.03.2018 remain 0.78 ha pending for court Case. Issuance of notices U/S-7 is served for 3 mouza and from -3 mouza 1 mouza handed over by DC to BWDB and one Mouza U/S-7 is Under process. All Fun placed to DC by BWDB except Court Case.
3	41/1	Barguna	8.35	8.35	8.35	8.35	1.79	6.56	--	444.52	49.27	Approved by MoL on 13.03.2018, Payment is ongoing for 6 mouza. Three mouza Handover from Dc to BWDB (N.B. total 7 mouza) and one Mouza U/S-7 is Under process. All fund placed to DC by BWDB.
4	43/2C	Patuakhali	14.66	14.66	14.66	--	--	9.72	4.94	--	--	DLAC date is 14.03.2018 & 10.09.18. Issuance of notices U/S-4 have been issued against 5 (five) Mouza. 4 (Four) of them sent to the MoL for final approved and one is under process. Remaining 6 (Six) mouza have been returned by DC for necessary correction.
5	47/2	Patuakhali	2.31	2.31	2.31	2.31	--	2.31	-	--	--	Approved by MoL on 05/04/2018. Notice U/S-6 is completed and Preparation of final estimate is under process.
6	48	Patuakhali	1.07	1.07	0.90	0.90	--	1.07	-	--	--	Approved by MoL on 9/7/18. Notice U/S-6 is completed and Preparation of estimate is under process.
Total=			154.93	154.93	154.76	139.32	1.94	147.27	4.94	10862.02	54.52	

3.1.12 Updating of RAP for Package-2

3.1.13 Preparatory Activities

RAP for Package-2 has been concurred by the World Bank and is being updated based on final Land Acquisition Plan (LAP). The IoL has been updated based on final Land Acquisition Plans. A total of **6693 entities** have been identified of whom **1755** entities are titled and **4779** are non-titled on Government land (squatters) which may fluctuate, **195** units are identified as community properties and **59** as other institutions will be affected. A total of **864** tenants have been identified among them **801** are commercial and **63** are residential HHs. Moreover, **386** wage labours have also been identified as affected in commercial premises. It is to be noted that the number of **159** nos. of EPs has been deducted from recent survey and technical reason by field verification jointly by the DDCS & PMS Consultant along with LAP/RAP team. The Polder wise number of Entitled persons is shown Table 3-13 below:

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

Polder	Total HHs Surveyed	Land under private ownership	No. of Squatters	Nos. of Deducted Entities (squatters)	Tenants (GoB land)			Wage labours (GoB land)
					Commercial	Residential	Total	
1	2= (3+4+5)	3	4	5	6	7	8	9
39/2C	1,540	1,487	53	0	31	06	37	28
40/2	1,910	156	1,748	6	391	17	408	100
41/1	924	36	821	67	58	04	62	6
43/2	646	55	579	12	117	09	126	17
47/2	181	20	161	0	08	00	08	01
48	1,492	01	1,417	74	196	27	223	234
Total=	6,693	1,755	4,779	159	801	63	864	386

Source: Updated IoL (June 2016 – April 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 labourers 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 UP certificate collection	Number of EP ID Cards prepared
39/2C	53	50	50	50	50	50
40/2	1,748	1,666	1,666	1,666	1,666	1,666
41/1	821	802	802	802	802	802
43/2C	579	560	560	560	560	560
47/2	161	160	160	160	160	160
48	1,417	1,376	1,376	1,376	1,376	1,376
Total=	4,779	4,614	4,614	4,614	4,614	4,614

Source: MIS and field-level information

A total list of **3880** EP ID Cards have allowed by the Project Director for issuance by the concern XEN and from the allowed card lists includes 1376 nos. of Polder-48, 160 nos. of Polder-47/2, 560 nos. of Polder-43/2C, 653 nos. of Polder-41/1 and 1131 nos. of Polder-40/2 which all has sent to the concern XEN's for issuance. Thereafter a total of 1912 EP ID cards issued by the concerned XEN which includes 890 nos. of Polder-48, 160 nos. of Polder-47/2, 296 nos. of Polder-43/2C, 181 nos. of Polder-41/1 and 385 nos. of Polder-40/2. Polder wise EP ID Cards issuance progress of Package-2 under CEIP-1 has been shown in the Table 3-15:

Table 3-15: Status of up to date progress of Polder wise EP ID Cards preparation of Package-2

Polder nos.	Total Nos. of Squatters	Number of EP ID Cards prepared by LAP/RAP Team	Nos. of EP Cards & lists submitted to DDCS & PMS Consultants for checking & verifying	Nos. of EP Cards & lists checked & verified by RS of DDCS&PMS Consultants	Nos. of EP lists allowed by PD for issuance by concern XEN		Nos. of EP ID cards submitted by RAP team to XEN for issuance		
					Nos.	Dated	Date of submission	Nos. of submission	Nos. of card issued by XEN
1	2	3	4	5	6	7	8	9	10
39/2C	53	50	-	-	-	-	-	-	-
40/2	1748	1,666	1131	1131	1131	16/7/17	20/7/17	1131	385
						28/1/18	6/3/18		
						19/03/19	28/03/19		
41/1	821	802	653	653	653	16/7/17	20/7/17	653	181
						22/10/17	7/12/17		
						20/8/18	13/9/18		
						19/03/19	28/03/19		
43/2C	579	560	560	560	560	28/1/18	7/3/18	560	296
						20/8/18	4/9/18		
						19/03/19	28/03/19		
47/2	161	160	160	160	160	16/7/17	6/8/17	160	160
						28/1/18	7/3/18		
						20/8/18	4/8/18		
48	1417	1,376	1376	1376	1376	26/7/17	24/9/17	1376	890
						27/7/17			
						13/8/17	7/3/18		
						28/1/18			
						20/8/18			
19/03/19	28/03/19								
Total=	4,779	4,614	3,880	3,880	3,880			3,880	1912

3.1.15 Payment & Resettlement Benefits for Package-2

Payment for Compensation and resettlement benefits for non-titled EPs (Squatters) has been started from September 2018. A total of **1824** EPs have been forwarded for payment of compensation/Resettlement benefits under first and second indents according to the policy of Resettlement Action Plan (RAP) and **1812** EPs have been paid under first and second indents. At first indent 04 EPs did not received the compensation payment, 03 of them from polder 40/2 and 01 of them from 41/1 were not received the compensation payment. The detail of the issue is shown in below:

Table 3-16: Payment of Resettlement Benefit in package-2

Polder nos.	Status of 1st Indent forwarded for payment		Status of 1st indent payment		Status of 2nd Indent forwarded for payment		Status of 2nd indent payment	
	Nos. of EPs forwarded for payment	Total amount (BDT)	Nos. of EPs Paid	Amount Paid (BDT)	Nos. of EPs forwarded for payment	Total amount (BDT)	Nos. of EPs Paid	Amount Paid (BDT)
1	2	3	4	5	6	7	8	9
39/2C	-	-	-	-	-	-	-	-
40/2	387	3,70,10,767	384	3,68,97,026	-	-	-	-
41/1	181	1,93,78,736	180	1,93,74,367	-	-	-	-
43/2C	296	3,12,41,086	296	3,12,41,086	142	1,77,96,665	-	-
47/2	157	1,50,50,308	157	1,50,50,308	3	537,191	3	537,191
48	673	7,31,65,637	673	7,31,65,637	127	1,62,19,069	124	1,58,59,498
Total	1,694	17,58,46,534	1,690	17,57,28,284	272	3,45,52,925	127	1,63,96,689

The month December 2018, the 2nd indent of compensation payment under package-2 to **480 nos.** of EPs (332 nos. in Polder 40/2 and 148 nos. of Polder 41/1) was prepared by LAP/RAP Team and submitted to the Project Director, CEIP-1 through DDSC&PMS Consultant for review and approval. Another indent as 2nd indent (part-2) under package-2 to **272 nos.** of non-title EPs (142 nos. in Polder 43/2C, 03 nos. in Polder 47/2 and 127 nos. in Polder 48) was also prepared by LAP/RAP Team and submitted to the Project Director for his review and approval. Thereafter PD has referred all the indents to the Executive Engineers of concerned O&M Division for their further review and finalization. Accordingly concerned BWDB finalised and payment made to EPs of two polders (47/2 & 48) indent for payment under the 2nd indent (part-2).

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

Following the payment of compensation against the 1st indent 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 DDSC&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 1616 has relocated till April 2019.** Cluster relocation made by 124 EPs comprises in the 5 different places (3 in Pochim Kuakata and 2 in Khajura) in polder-48. The status of relocation has given below in Table 3-17 after the first indent payment made:

- The majority (46.00%) EP has relocated on their own land;
- 6.71 % on newly purchased land;
- 10.01 % EP has replaced to relative's or others' land;
- 18.87% have been relocated temporarily at nearby area;
- 11.10 % of the paid EPs are yet to be relocated from the ROW.
- 7.31 % made group relocation
- No market relocation made so far.

Table 3-17: Status of relocation in Package 2

Status of Relocation	Number of squatters relocated by Polders						
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48	Total	%
Relocated on own land	202	80	169	95	290	836	46.00
Relocated on purchased land	11	25	5	5	76	122	6.71
Relocated on relative & other's land	60	27	67	3	25	182	10.01
Relocated Temporarily at nearby area (Govt. Land)	69	41	50	49	134	343	18.87
Total Relocated-A	342	173	291	152	525	1483	81.59
Not yet relocated	37	3	5	5	24	201	11.10
Market Relocation	0	0	0	0	0	0	0.00
Group Relocation	5	4	0	0	124	133	7.31
Total Relocation-B	42	7	5	5	148	334	18.41
Total Relocation target (A+B) =	384	180	296	157	673	1817	100

Photos of Group relocation are presented below:



Figure 3-24: Two different Group relocation sites of Pochim Kuakata of Polder 48



Figure 3-25: Khajura village Group relocation of Polder-48

Figure 3-26: Another group of relocation of Pochim Kuakata of Polder 48



Figure 3-27: HH 226 before relocation in Polder-41/1



Figure 3-28: HH 226 after relocation in Polder-41/1



Figure 3-29: HH 758 before relocation in Polder-41/1



Figure 3-30: HH 758 after relocation in Polder-41/1

3.1.17 Status of Physical and Commercial 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/Commercial Displacement	Total Displacement
1	40/2	335	49	384
2	41/1	147	33	180
3	43/2C	190	106	296
4	47/2	93	64	160
5	48	628	169	797
Total=		1393	421	1817

3.1.18 Relocation Status of Physical Displaced household in Package-2

It is evident from the majority of the displaced people (44.34%) relocated to self-managed land. It is very important that 8.30% people have been settled in purchased land and hope the group will be sustained. Only 9.81% 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	175	64	103	57	220	619	44.34	
Relocated on purchased land	11	23	5	3	74	116	8.30	
Relocated on relative & other's land	50	24	52	3	20	149	10.67	
Relocated Temporarily at nearby area (Govt. Land)	62	28	28	28	100	246	17.62	
Not yet relocated	32	4	2	5	94	137	9.81	
Group Relocation	5	4	0	0	120	129	9.24	
Total =	335	147	190	96	628	1396	100	

3.1.19 Relocation Status of Economical / Commercial 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/Commercial 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	27	15	66	38	70	216	51.30	
Relocated on purchased land	0	2	0	2	2	6	1.43	
Relocated on relative & other's land	10	3	15	0	5	33	7.84	
Relocated Temporarily at nearby area (Govt. Land)	7	13	22	21	34	97	23.04	
Not yet relocated	5	0	3	3	54	65	15.44	
Group Relocation	0	0	0	0	4	4	0.95	
Total =	49	33	106	64	169	421	100	

3.1.20 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 April 2019 by GRC. 25 cases of them have been resolved at the entry level 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	Under investigation and hearing by GRC	Resolved by GRC	Newly lodged Grievances
1	Barguna	40/2	12	0	12	0	0
2	Barguna	41/1	16	8	8	0	0
3	Patuakhali	43/2C	17	17	0	0	0
4	Kalapara	47/2	0	0	0	0	0
5	Kalapara	48	0	0	0	0	0
Total =			45	25	20	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.

3.1.21 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 **994 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 April 2019

Polder No.	FGD Target	FGD Formation	FGD Meeting	During April 2019	Total Achievement
1	2	3	4	5	4+5=6
39/2C	32	32	74	0	74
40/2	57	57	222	0	222
41/1	38	38	183	0	183
43/2C	31	31	190	9	199
47/2	09	09	69	5	74
48	60	60	256	0	256
Total =	227	227	994	14	1008

3.1.22 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.

3.1.23 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.

3.1.24 Formation of PAVC & GRC Committee Package-2

A Social Management and Resettlement Policy Framework (SMRPF) for the project and a Resettlement Action Plan (RAP) for Package-2 has been adopted. In this regard, a Property Assessment & Valuation Committee (PAVC) and Grievance Redress Committee (GRC) have been formed for the Polder-39/2C (Pirojpur+Jhalokati), 40/2 (Borguna), 41/1 (Borguna), 43/2C (Patuakhali), 47/2 (Patuakhali) and 48 (Patuakhali).

PAVC rate for polder 40/2, 41/1, 43/2C, 47/2 & 48 have been approved by the PD. But rates yet to be fixed for 39/2C and PAVC meeting for Polder- 39/2C will be held soon. The Table 3-24 below stated the current progress of PAVC activities of Package-2.

Table 3-24: Status of up to date progress of PAVC activities of Package-2

Polder No.	Formation of PAVC Committee by PD (Date)	PAVC meeting date for fixation of rate	Number of Meeting	Status of Rate Fixation	Approval by BWDB
39/2C	5/10/17, 5/10/17 (Pirojpur & Jhalokathi)	0	0	0	0
40/2	27/3/17	29/11/17, 24/01/18,26/04/18	3	Rate fixed	Approved
41/1	27/3/17	29/11/17, 24/01/18,26/24/18	3	Rate fixed	Approved
43/2C	11/6/17	18/02/18,7/5/18	2	Rate fixed	Approved
47/2	17/5/17	20/9/17, 3/12/17	2	Rate fixed	Approved
48	17/5/17	20/9/17, 3/12/17	2	Rate fixed	Approved

3.1.25 Video Filming of Affected Properties for GRC and PRAC

Video filming of the affected properties within Right of Way (RoW) along the alignment of the Polders-39/2C, 40/2, 41/1, 43/2C, 47/2 and 48 of Package-2 has already been completed. The video filming was captured just on completion of the IoL survey and latest field update. Dates of capturing video filming are visible in the DVD that will help the GRC to make decision if there is requirement/necessity of further investigation during GRC, PRAC and PAVC process. These will be visualized by the PAVC and GRC to review the lost property as well as to prevent fraudulent claims in future by the affected peoples.

3.1.26 Devised ID number of the Non-Titled EPs

A Polder-wise ID numbering formula for all non-titled affected persons has been devised by Computerized Management Information System (CMIS). The procedure is that all affected persons (APs) would be photographed with given ID number and the photo would be pasted on their ID cards. ID number for 4,916 entities (squatters, tenants, wage labours etc.) have been devised.

3.1.27 Preparation of EIA

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 said EIA reports are being under implementation 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 Design status

The status of the designs is presented below.

Table 3-25: Status of Design for Package-2

SI No.	Polder	Embankment (Km)			Drainage Channel (Km)			Drainage Sluice (No.)			Flushing Sluice (No.)			River Bank Protection Works (Km)		
		Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement	
			Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved
1	39/2C	59.25	59.25	59.25	54.23	54.23	54.23	13	13	13	20	20	20	3.5	3.5	3.5
2	40/2	34.40	34.40	34.40	32.56	32.56	32.56	9	9	9	11	11	11	-	-	-
3	41/1	33.81	33.81	33.81	30.16	30.16	30.16	10	10	10	16	16	16	0.875	0.875	0.875
4	43/2C	25.70	25.70	25.70	28.25	28.25	28.25	8	8	8	15	15	15	0.500	0.500	0.500
5	47/2	17.55	17.55	17.55	9.70	9.70	9.70	4	4	4	5	5	5	0.520	0.520	0.520
6	48	38.00	38.00	38.00	33.10	33.10	33.10	6	6	6	3	3	3	-	-	-
Total =		208.71	208.71	208.71	188.00	188.00	188.00	50	50	50	70	70	70	5.395	5.395	5.395

Embankment Slope Protection Works (Km)			Flood Wall (Km)			Paved Road (Km)			Closure (No.)			Gatest & Hoists					
Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement		Drainage Sluice (No.)			Flushing Sluice (No.)		
	Design Prepared	Design Approved		Design Prepared ***	Design Approved		Design Prepared	Design Approved		Design Prepared *	Design Approved	Target	Achievement		Target	Achievement	
4	4	4	1.95	-	-	11.04	11.04	11.04	8	8	-	1	1	1	1	1	1
1.137	1.137	1.137	8.30	8.30	-	5.40	5.40	5.40	-	-	-	1	1	1	1	1	1
-	-	-	7.15	-	-	21.35	21.35	21.35	-	-	-	1	1	1	1	1	1
0.261	0.261	0.261	-	-	-	5.50	5.50	5.50	-	-	-	1	1	1	1	1	1
-	-	-	-	-	-	0.00	0.00	0.00	-	-	-	1	1	1	1	1	1
3.989	3.989	3.989	-	-	-	7.00	7.00	7.00	-	-	-	1	1	1	1	1	1
9.387	9.387	9.387	17.40	8.30	0	50.29	50.29	50.29	8	8	0	6	6	6	6	6	6

Notes:

- (*) The contractor shall prepare design and final drawings for each closure and submit to the Engineer for approval.
- (**) Typical Gate Design prepared for these polders
- (***) The design of Flood Wall will be decided after field verification by concerned Design Office & Consultants.

3.3 Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package-3 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 4 Drainage Sluices of different vents have been approved by the Design Circle-5 by this time and the design of more 25 Drainage Sluices of different vents have been completed and submitted to the Design Circle-5 for approval. The remaining designs are under preparation.

Table 3-26: Status of Design for Package-3

Sl No.	Polder	Embankment (Km)			Drainage Channel (Km)			Drainage Sluice (No.)			Flushing Sluice (No.)		
		Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement	
			Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved
1	14/1	31.25	31.25	31.25	13.23	0	0	5	0	0	4	0	0
2	15	30.78	30.78	30.78	15.44	0	0	4	0	0	4	0	0
3	16	44.75	44.75	44.75	47.90	0	0	15	3	1	10	0	0
4	17/1	38.50	38.50	38.50	35.80	0	0	10	6	1	0	0	0
5	17/2	11.00	11.00	11.00	12.40	0	0	3	3	1	0	0	0
6	23	36.70	36.70	36.70	31.50	0	0	12	10	0	12	0	0
7	34/3	17.00	17.00	17.00	11.10	0	0	3	3	1	6	0	0
Total =		209.98	209.98	209.98	167.37	0	0	52	25	4	36	0	0

Sl No.	Polder	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	
1	14/1	1.00	0	0	6.86	0	0	1	0	0	1	0	0
2	15	0.10	0	0	4.44	0	0	1	0	0	1	0	0
3	16	0.30	0	0	1.00	0	0	1	0	0	1	0	0
4	17/1	0.00	0	0	0.00	0	0	1	0	0	0	0	0
5	17/2	0.25	0	0	0.00	0	0	1	0	0	0	0	0
6	23	0.00	0	0	3.00	0	0	1	0	0	1	0	0
7	34/3	0.00	0	0	0.00	0	0	1	0	0	1	0	0
Total =		1.65	0.00	0.00	15.30	0.00	0.00	7.00	0.00	0.00	5.00	0.00	0.00

3.3.2 Bidding Document

Some sections of the Bidding Documents have been advanced and waiting for the preparation of BOQ as the design and drawing of some components are yet to be completed.

3.3.3 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 concerned authority. Now it is under review by DDCS & PMS Consultants and PMU.

3.3.4 LAP Preparation for Package-3

The LAP/RAP team has been working for finalization of Land Acquisition Plan and Resettlement Action Plan in Package-3 under CEIP-1. 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, Shatkira and Bagerhat). Mouza Maps have also been collected from the office of Director, Land Records, Tejgaon, Dhaka and the DC office Khulna, Shatkira and Bagerhat. Almost all Mouza Maps of seven Polders have since been procured. In the meantime, LAP/RAP team has submitted the draft LAP for all polders to XEN, CEIP-1, Khulna through DDCS & PMS Consultant and PD office for checking & verifying as per Terms of Reference (ToR) of Acquisition & Requisition of Immovable Property Act 2017. The

XEN, BWDB, CEIP-1 Khulna issued a letter for some queries on LAPs and LAP/RAP team is working on the requirements. The progress of package-3 is shown below:

Table 3-27: Update Status of Package-3

Polder no	Program for LA (ha)	Progress of LAP preparation				Resettlement Activity		Preparation of RAP
		Collection of Khatian	Collection of Mauza map	Submission of LAP as per new Act/17	Drawing existing alignment map on mouza map	Nos. of HH Surveyed	Stakeholder Consultation Meeting	
14/1	27.82	Done	Done	Submitted	Done	718	Done	LAP/RAP team has submitted the RAP-3 which is under review by the DDCS&PMS Consultant and PMU.
15	28.90	Done	Done	Submitted	Done	1298	Done	
16	14.50	Done	Done	Submitted	Done	565	Done	
17/1	2.06	Done	Done	Submitted	Done	708	Done	
17/2	2.24	Done	Done	Submitted	Done	195	Done	
23	6.49	Done	Done	Submitted	Done	1086	Done	
34/3	3.91	Done	Done	Submitted	Done	215	Done	
Total=	85.92	-	-	-	-	4,785	-	

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

3.4.1 Introduction

The Progress report covers the events up to 30 April 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 advance payment and first instalment has been 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; facilities and buildings (some completed) are under construction now. Total expenditure incurred up to IPC-16 is BDT 4233.82 million including mobilization advance. The value of the IPC-16 is BDT 158.61 million. Construction of 30 nos. Drainage Sluices out of 38 nos. has already been completed, 8 nos. drainage sluices are going on. 1 no. Drainage sluice is suspended due to vulnerable situation of Baleshor River from November, 2016. Out of 29 nos. Flashing Sluices 20 nos. have been completed, 9 nos. are in progress. Embankment works of different Polders are (completed 111.76 km and partially completed 52.57 km) also going on. Construction of C.C blocks are going on for the bank/slope protection work.

3.4.2 Staffing

In Table 3-28 below man power deployment for Contract Package-1 is listed and sample check has been done by the Consultants.

Table 3-28: List of Polder-wise Manpower Deployed to 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	8	0	1	0	2	0	2	0	2	0	1	0
2	Technical Staff	52	64	11	8	12	14	9	11	14	21	6	10
3	Operator/ Driver	11	239	0	2	0	49	2	46	7	76	2	66
4	Skilled Worker	26	189	0	3	5	42	9	76	8	38	4	30
5	Common Labor	1	643	0	4	0	150	1	183	0	231	0	75
6	Logistic	9	23	0	3	4	10	2	4	2	2	1	4
Total		107	1158	12	20	23	265	25	320	33	368	14	185

Source by Contractor

3.4.3 Equipment Mobilization

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

Table 3-29: 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	2	2	
Polder- 35/3	5	16	9	7	5	1	1	1	1	1	4	6	6+2+0	12+5+22	11	7	6	1	1	1	1	2	6	
Polder- 35/1	12	48	23	15	9	2	3	3	1	1	8	3	15+0+5	32+3+25	15	18	5	1	2	2	1	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

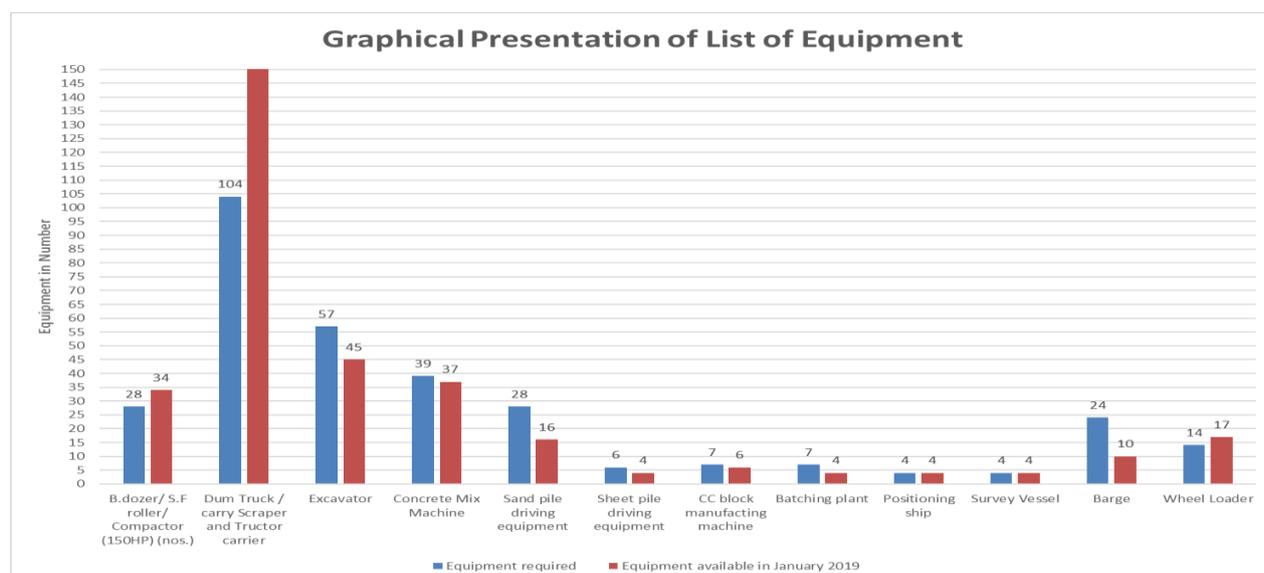


Figure 3-31: Graphical Presentation of List of Equipment Contractor of Package-1

3.4.4 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.

Table 3-30: Monthly Forecast of Payment for Package-W/-01 is furnished below

IPC No.	Month of Submission	Forecast Value of IPC	Remark
IPC-15	Nov. 2018	274,583,612.82	IPC No. 15 has been submitted to PMU on 6 December 2018 with the value of BDT: 256,330,133.58 with recommendation for payment.
IPC-16	Jan. 2019	374,242,132.20	IPC No. 16 has been submitted to Engineer on 26 February 2019 with the value of BDT: 158,606,842.50. The IPC-16 was reviewed and sent to PMU on 06 March 2019 with recommendation for payment.
IPC-17	Feb. 2019	259,251,532.92	IPC No. 17 has been submitted to Engineer on 24 April 2019 with the value of BDT: 224,334,901.33 and the IPC is under review by the Engineer.
IPC-18	Mar. 2019	255,766,969.30	
IPC-19	Apr. 2019	453,144,934.37	
IPC-20	May. 2019	453,144,934.37	
IPC-21	Jun. 2019	585,558,351.72	
Total		2,655,692,467.71	

3.4.6 Physical Progress (Mile Stone Matrix)

Table 3-31: Physical Works of Package-1 as on 30 April 2019

Item	Unit	Contract Quantity	Program FY 2018-2019		Prior Cumulative		Current Month		Current Cumulative	
			Full	Part	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed
Embankment Construction/Re-sectioning	km	200.617*	110.00	0.00	109.68 (53.79%)	51.49 (42.12%)	2.08	52.57 (44.18%)	111.76 (54.82%)	52.57 (44.18%)
Drainage Channel Excavation/Re-excavation	km	151.21 *	101.00	0.00	42.42 (28.05%)	0.00	1.56	0.00	43.98 (29.08%)	0.00
Drainage Sluice Construction	no	38*	19.00	0.00	30 (78.94%)	8 (93.18%)	0	8 (93.18%)	30 (78.94%)	8 (93.18%)
Drainage Sluice Repair	no	2	2	0.00	0	2 (88%)	0	2 (88%)	0	2 (88%)
Flushing Inlet Construction	no	30*	22	0.00	18 (56.25%)	11 (80.74%)	2	9 (82.15%)	20 (68.96%)	9 (82.15%)
Flushing Inlet Repair	no	14*	15	0.00	3 (20.00%)	9 (68.82%)	1	9 (68.82%)	4 (28.57%)	9 (68.82%)
Embankment Slope Protection Work	km	19.966**	10.00	0.00	10.352 (47.09%)	-	2.387	-	12.739 (63.80%)	-
River Bank Protection Work	km	4.45	1.80	0.00	3.890 (87.41%)	-	0.06	-	3.95 (88.76%)	-
Closure Dam Construction	no	1	1	0.00	-	60% of the foundation works	-	63% of the foundation works	-	63% of the foundation works

* The quantity has been adjusted based on the recalculation. The values were 204.50 Km, 175.21 Km, 39 Nos, 41 Nos, and 30 Nos respectively.

** The quantity has been adjusted as compared to the previous MPR based on the recalculation. The value was 21.98 Km.

Table 3-32: Physical Works Polder Wise of Package-1 as on 30 April 2019

Summary of Construction DS & FS											
Package #	Polder No	Number of DS	100% Completed	Ongoing	Yet to Start	Sluice in operation.	Number of FS	100% Completed	Ongoing	Yet to Start	Sluice in Operation
Package-1	32	8	6	2	0	3	1	0	1	0	0
	33	12	10	2	0	0	6	2	4	0	0
	35/1	14	10	4	0	0	13	9	3	1	0
	35/3	4	4	0	0	2	10	9	1	0	6
	Total		38	30	8	0	5	30	20	9	1

Summary of Repair DS & FS											
Package #	Polder No	Number of Repair DS	100% Completed	Ongoing	Yet to Start	Sluice in operation.	Number of Repair FS	100% Completed	Ongoing	Yet to Start	Sluice in Operation
Package-1	32	0	0	0	0	0	6	3	3	0	0
	33	0	0	0	0	0	3	1	3	-1	0
	35/1	2	0	2	0	0	3	0	2	1	0
	35/3	0	0	0	0	0	2	0	2	0	0
	Total		2	0	2	0	0	14	4	10	0

Package No	Polder No	Bank Protection Work Summary			Slope Protection Work Summary			Drainage Channel Excavation Summary			
		Target Length (Km)	Completed Length (Km)	% Completed	Target Length (Km)	Completed Length (Km)	% Completed	Number of Canals	Target Length (Km)	Completed Length (Km)	% Completed
Package 1	32	2.00	1.90	95.00%	3.300	2.07	62.85%	6	17.50	9.25	52.86%
Package 1	33	1.40	1.30	92.86%	4.016	4.00	99.50%	12	63.21	15.95	25.23%
Package 1	35/1	0.90	0.60	66.67%	11.750	5.82	49.51%	17	70.50	18.78	26.63%
Package 1	35/3	0.15	0.15	100.00%	0.900	0.85	94.60%	1	0.00	0.00	0.00%
Package 1		4.45	3.950	88.76%	19.966	12.739	63.81%	36	151.21	43.98	29.08%

Package No	Polder No	Embankment Construction			
		Target Length (Km)	Completed Length (Km)	% Completed	Partly Length (Km)
Package 1	32	49.666	24.38	49.09%	15.65
Package 1	33	49.154	28.05	57.07%	15.78
Package 1	35/1	61.972	28.65	46.23%	13.07
Package 1	35/3	39.825	30.68	77.02%	8.07
Package 1		200.617	111.76	55.71%	52.57

Table 3-33: 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 Apr 30, 2019	Remarks
Package 1																		
Polder-32																		
1	32	Nalian	0.483	0.000	0.483	Resectioning	N	NA	23,228	15,000	0.200	0.283	10,272	0	64.58%	0.00%	59.41%	Work in Progress
2	32	Nalian	1.393	0.483	1.876	Retired	N	NA	63,519	40,000	0.500	0.893	29,624	0	62.97%	0.00%	57.94%	Work in Progress
3	32	Gunari	0.624	1.876	2.500	Resectioning	N	NA	29,858	10,000	0.000	0.600	13,270	0	33.49%	0.00%	30.81%	Work in Progress
4	32	Gunari	2.690	2.500	5.190	Retired	N	NA	141,764	50,000	0.500	1.000	57,207	0	35.27%	0.00%	32.45%	Work in Progress
5	32	Gunari	0.480	5.190	5.670	Resectioning	N	NA	14,075	10,000	0.480	0.000	10,208	0	71.05%	0.00%	65.36%	Work in Progress
6	32	Gunari	0.280	5.670	5.950	Retired	N	NA	15,209	12,500	0.000	0.280	5,955	0	82.19%	0.00%	75.61%	Work in Progress
7	32	kalabogi	1.300	5.950	7.250	Resectioning	N	NA	47,121	40,000	1.300	0.000	27,647	0	84.89%	0.00%	78.10%	Work in Progress
8	32	kalabogi	1.800	7.250	9.050	Retired	N	NA	84,911	65,000	1.800	0.000	38,280	0	76.55%	0.00%	70.43%	Work in Progress
9	32	Vita Bhanga	1.167	9.050	10.217	Resectioning	N	NA	27,523	20,000	0.500	0.667	24,818	0	72.67%	0.00%	66.85%	Work in Progress
10	32	Vita Bhanga	0.333	10.217	10.550	Retired	N	NA	12,255	10,000	0.333	0.000	7,082	0	81.60%	0.00%	75.07%	Work in Progress
11	32	Vita Bhanga&Joynagar	1.789	10.550	12.339	Resectioning	N	NA	37,410	20,000	1.400	0.789	38,046	0	53.46%	0.00%	49.18%	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	0.00%	0.00%	0.00%	Work not started.
13	32	Joynagar	0.760	12.768	13.528	Resectioning	N	NA	15,933	5,000	0.000	0.300	16,163	0	31.38%	0.00%	28.87%	Work in Progress
14	32	Jaliyakhali	0.772	13.528	14.300	Retired	N	NA	32,299	8,000	0.000	0.200	16,418	0	24.77%	0.00%	22.79%	Work in Progress
15	32	Jaliyakhali	1.415	14.300	15.715	Resectioning	N	NA	26,458	25,000	1.400	0.000	30,092	25000	94.49%	83.08%	93.58%	Work completed.
16	32	Jaliyakhali	1.040	15.715	16.755	Retired	N	NA	45,253	5000	0.000	0.300	22,117	0	11.05%	0.00%	10.17%	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	31.71%	0.00%	29.17%	Work in Progress
18	32	Kamarkhola	0.957	18.358	19.315	Retired	N	NA	37,999	25,000	0.300	0.657	20,352	0	65.79%	0.00%	60.53%	Work in Progress
19	32	Kamarkhola	0.959	19.315	20.274	Resectioning	N	NA	16,267	10,000	0.400	0.559	20,395	2600	61.47%	12.75%	57.58%	Work in Progress
20	32	Kamarkhola	1.083	20.274	21.357	Retired	N	NA	40,650	25,000	0.500	0.508	23,032	0	61.50%	0.00%	56.58%	Work in Progress
21	32	Kamarkhola & Kalinagar	3.814	21.357	25.171	Resectioning	N	NA	49,814	40,000	3.300	0.514	81,111	30000	80.30%	36.99%	76.83%	Work in Progress
22	32	Kalinagar	0.801	25.171	25.972	Retired	N	NA	26,259	22,000	0.500	0.301	17,035	0	83.78%	0.00%	77.08%	Work in Progress
23	32	Kalinagar & Sutarkhali	4.556	25.972	30.528	Resectioning	N	NA	68,868	50,000	4.000	0.556	96,891	12000	72.60%	12.39%	67.79%	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	38.31%	0.00%	35.24%	Soil Pretareation in Progress
25	32	Sutarkhali	0.577	30.672	31.249	Resectioning	N	NA	9,238	4,000	0.000	0.200	12,271	0	43.30%	0.00%	39.84%	Soil Pretareation in Progress
26	32	Sutarkhali	0.621	31.249	31.870	Retired	N	NA	32,273	0.000	0.000	0.000	13,207	0	0.00%	0.00%	0.00%	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	0.00%	0.00%	0.00%	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	0.00%	0.00%	0.00%	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	20000	75.79%	28.55%	72.01%	Work in Progress
30	32	Sutarkhali	0.838	35.727	36.565	Retired	N	NA	38,549	10,000	0.000	0.500	17,821	0	25.94%	0.00%	23.87%	Work in Progress
31	32	Sutarkhali	2.395	36.565	38.960	Resectioning	N	NA	56,875	25,000	0.000	1.500	50,934	0	43.96%	0.00%	40.44%	Work in Progress
32	32	kalabogi	2.950	38.960	41.910	Retired	N	NA	134,676	50,000	0.000	1.000	62,737	0	37.13%	0.00%	34.16%	Work in Progress
33	32	kalabogi	1.136	41.910	43.046	Resectioning	N	NA	42,409	15,000	0.000	0.500	24,159	0	35.37%	0.00%	32.54%	Work in Progress
34	32	kalabogi	0.346	43.046	43.392	Retired	N	NA	15,286	5,000	0.000	0.346	7,358	0	32.71%	0.00%	30.09%	Work in Progress
35	32	kalabogi	1.077	43.392	44.469	Resectioning	N	NA	52,885	35,000	0.300	0.777	22,904	0	66.18%	0.00%	60.89%	Soil Pretareation 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	10.49%	0.00%	9.65%	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	73.86%	0.00%	67.95%	Work in Progress
38	32	Nalian	0.216	46.549	46.765	Retired	N	NA	11,062	8,000	0.216	0.000	4,594	0	72.32%	0.00%	66.53%	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	70.60%	0.00%	64.95%	Work in Progress
40	32	Nalian	0.251	47.083	47.334	Retired	N	NA	15,967	12,500	0.251	0.000	5,338	0	78.29%	0.00%	72.02%	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	77.13%	0.00%	70.96%	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	75.84%	0.00%	69.77%	Work in Progress
Total Polder-32 =			49.666						1,618,396	861,000	24.380	15.651	1,056,230	89,600	52.26%	4.14%	48.41%	

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

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (SqM)	Completed Dressing and turfing (SqM)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of Apr 30, 2019	Remarks
Polder-33																		
1	33	Banishanta	0.130	0.000	0.130	Retired	Yes	NA	2,470	140	0.000	0.130	2,491	0	5.67%	0.00%	5.21%	Work in progress
2	33	Banishanta	0.827	0.130	0.957	Resectioning	N	NA	29,095	26,000	0.000	0.827	15,849	0	89.36%	0.00%	82.21%	Work in progress
3	33	Banishanta	0.231	0.957	1.188	Resectioning	N	NA	4,389	3000	0.000	0.231	4,427	0	68.35%	0.00%	62.88%	Work in Progress
4	33	Banishanta	1.652	1.188	2.840	Resectioning	N	NA	40,162	30,000	0.000	1.652	31,660	31660	74.70%	100.00%	76.72%	Work in progress
5	33	Dangmari	0.252	2.840	3.092	Retired	N	NA	5,035	4,000	0.000	0.252	4,830	4830	79.44%	100.00%	81.09%	Work in progress
6	33	Dangmari, Burir Dabur & Ramnagar	14.471	3.092	17.563	Resectioning	N	NA	392,171	325,205	12.000	2.471	277,334	50000	82.92%	18.03%	77.73%	Work in progress
7	33	Ramnagar	0.459	17.563	18.022	Retired	N	NA	9,170	6,000	0.000	0.459	8,797	0	65.43%	0.00%	60.20%	Work in progress
8	33	Ramnagar	1.124	18.022	19.146	Resectioning	N	NA	9,315	2,100	0.000	1.124	21,541	0	22.54%	0.00%	20.74%	Work in progress
9	33	Ramnagar	3.534	19.146	22.680	Retired	N	NA	67,141	0.000	0.000	0.000	67,728	0	0.00%	0.00%	0.00%	No needed (Carpating Road).
10	33	Tengrarchar	0.220	22.680	22.900	Retired	N	NA	5,000	5,000	0.220	0.000	4,216	0	100.00%	0.00%	92.00%	Work completed.
11	33	Tengrarchar & Dacope	5.710	22.900	28.610	Resectioning	N	NA	82,877	82,000	4.230	1.480	109,431	0	98.94%	0.00%	91.03%	Work in progress
12	33	Podderganj	1.090	28.610	29.700	Retired	N	NA	21,775	18,500	0.000	1.090	20,890	0	84.96%	0.00%	78.16%	Work in progress
13	33	Chunkuri	0.783	29.700	30.483	Resectioning	N	NA	15,642	14,550	0.000	0.783	15,006	0	93.02%	0.00%	85.58%	Work in progress
14	33	Chunkuri	2.687	30.483	33.170	Retired	N	NA	53,678	3,500	1.000	1.687	51,496	0	6.52%	0.00%	6.00%	Work in progress
15	33	Chunkuri, Malengha & Bajua	6.604	33.170	39.774	Resectioning	N	NA	123,173	116,000	5.000	1.604	126,564	0	94.18%	0.00%	86.64%	Work in progress
16	33	Bajua	1.794	39.774	41.568	Resectioning	Yes	NA	27,109	-	0.000	0.000	34,382	0	0.00%	0.00%	0.00%	Work in progress
17	33	Lowdob & Banisanta	6.851	41.568	48.419	Resectioning	Yes	NA	125,355	106,000	5.600	1.251	131,298	0	84.56%	0.00%	77.80%	Work in progress
18	33	Banishanta	0.735	48.419	49.154	Resectioning	Yes	NA	13,900	4,000	0.000	0.735	14,086	0	28.78%	0.00%	26.47%	Work in progress
Total Polder-33 =			49.154						1,027,457	745,995	28.050	15.776	942,027	86,490	59.97%	12.11%	56.14%	

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

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (SqM)	Completed Dressing and turfing (SqM)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of Apr 30, 2019	Remarks
Polder-35/1																		
1	35/1	Fashiatola	0.750	0.000	0.750	Resectioning	N	NA	28,944	15,800	0.000	0.750	20250	0	54.59%	0.00%	50.22%	Work in progress
2	35/1	Fashiatola	1.300	0.750	2.050	Resectioning	N	NA	51,044	28,200	0.500	0.800	35100	0	55.25%	0.00%	50.83%	Work in progress
3	35/1	Fashiatola	0.600	2.050	2.650	Retired	N	NA	23,559	12,450	0.000	0.600	10600	0	52.85%	0.00%	48.62%	Work in progress
4	35/1	East Amtoli	1.250	2.650	3.900	Retired	N	NA	49,081	13,200	1.000	0.250	21750	0	26.89%	0.00%	24.74%	Work in progress
5	35/1	East Amtoli	0.300	3.900	4.200	Resectioning	N	NA	11,779	0.000	0.000	0.000	3300	0	0.00%	0.00%	0.00%	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	87.68%	0.00%	80.67%	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	0.00%	0.00%	0.00%	Work in progress
8	35/1	Kumarkhali	1.100	5.150	6.250	Resectioning	N	NA	43,191	37,000	0.800	0.300	27300	0	85.67%	0.00%	78.81%	Work in progress
9	35/1	Kumarkhali	0.750	6.250	7.000	Resectioning	N	NA	29,449	2350	0.000	0.600	17850	0	7.98%	0.00%	7.34%	Work in progress
10	35/1	Khontakata	3.000	7.000	10.000	Resectioning	N	NA	117,795	75,300	1.000	2.000	69000	0	63.92%	0.00%	58.81%	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	0.00%	0.00%	0.00%	Work in progress
12	35/1	Boraitola	1.700	12.300	14.000	Retired	N	NA	67,073	0.000	0.000	0.000	44900	0	0.00%	0.00%	0.00%	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	0.00%	0.00%	0.00%	Work will be started soon
14	35/1	Boraitola	0.925	15.005	15.930	Resectioning	N	NA	36,320	28,000	0.500	0.430	21275	1116	77.09%	5.25%	71.34%	Work in progress
15	35/1	Rajoir	2.990	15.930	18.920	Resectioning	N	NA	188,824	160,500	2.000	0.990	88030	17940	85.00%	20.38%	79.83%	Work in progress
16	35/1	Chal Rayenda	1.060	18.920	19.980	Resectioning	N	NA	41,621	54,500	1.050	0.010	32860	15900	130.94%	48.39%	124.34%	Work in progress
17	35/1	Chal Rayenda	0.020	19.980	20.000	Resectioning	N	NA	785	500	0.000	0.020	620	0	63.69%	0.00%	58.60%	Work in progress
18	35/1	Tafalbari	0.500	20.000	20.500	Retired	N	NA	19,632	10,250	0.000	0.020	20500	0	52.21%	0.00%	48.03%	Work in progress
19	35/1	Tafalbari	0.500	20.500	21.000	Resectioning	N	NA	19,632	10,250	0.000	0.500	14500	0	52.21%	0.00%	48.03%	Work in progress
20	35/1	Gabtolta	2.500	21.000	23.500	Resectioning	Yes	NA	98,162	75,500	2.000	0.500	72500	0	76.91%	0.00%	70.76%	Work in progress
21	35/1	Gabtolta	2.500	23.500	26.000	Retired	Yes	NA	98,162	0.000	0.000	0.000	84500	0	0.00%	0.00%	0.00%	Work not yet started.
22	35/1	Terabeka	2.000	26.000	28.000	Resectioning	Yes	NA	78,530	39,265	1.000	1.000	44000	0	50.00%	0.00%	46.00%	Work in progress
23	35/1	Sharankhola	1.150	28.000	29.150	Resectioning	N	NA	45,155	35,000	0.800	0.350	25300	10120	77.51%	40.00%	74.51%	Work in progress
24	35/1	Sharankhola	1.450	29.150	30.600	Resectioning	N	NA	56,934	39,264	1.000	0.450	31900	12760	68.96%	40.00%	66.65%	Work in progress
25	35/1	Sharankhola	2.100	30.600	32.700	Resectioning	N	NA	29,900	25,600	1.500	0.600	46200	18480	85.62%	40.00%	81.97%	Work in progress
26	35/1	Sonatala	2.300	32.700	35.000	Resectioning	N	NA	90,309	78,000	2.000	0.300	50600	20240	86.37%	40.00%	82.66%	Work in progress
27	35/1	Sonatala	1.500	35.000	36.500	Resectioning	N	NA	25,500	24,000	1.500	0.000	33000	13200	94.12%	40.00%	89.79%	Work in progress
28	35/1	Sonatala	2.000	36.500	38.500	Resectioning	N	NA	41,742	40,000	2.000	0.000	44000	17600	95.83%	40.00%	91.36%	Work in progress
29	35/1	Rasulpur	0.850	38.500	39.350	Resectioning	N	NA	33,536	0.000	0.000	0.000	17850	0	0.00%	0.00%	0.00%	Pavement Road. Work started next year
30	35/1	Rasulpur	3.110	39.350	42.460	Resectioning	N	NA	79,630	59,200	2.500	0.610	68420	27368	74.34%	40.00%	71.60%	Work in progress
31	35/1	Rajaour	1.450	42.460	43.910	Resectioning	N	NA	56,934	39,264	1.000	0.450	31900	12760	68.96%	40.00%	66.65%	Work in progress
32	35/1	Rajaour	0.140	43.910	44.050	Resectioning	N	NA	5,497	2,000	0.000	0.140	3080	0	36.38%	0.00%	33.47%	Work in progress
33	35/1	Rajaour	6.050	44.050	50.100	Resectioning	N	NA	220,870	195,000	5.000	1.050	133100	53240	88.29%	40.00%	84.42%	Work in progress
34	35/1	Dhansagor	1.150	50.100	51.250	Resectioning	N	NA	45,155	23,000	1.000	0.150	25300	10120	50.94%	40.00%	50.06%	Work in progress
35	35/1	Dhansagor	9.650	51.250	60.900	Resectioning	N	NA	380739.000	0.000	0.000	0.000	202650	0	0.00%	0.00%	0.00%	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	0.00%	0.00%	0.00%	Work not yet started. Next year program
37	35/1	Sannashi	0.172	61.800	61.972	Retired	N	NA	8,476	23,000	0.000	0.000	4128	0	271.35%	0.00%	249.65%	Work in progress
Total Polder-35/1 =			61.972					2,317,570	1,170,493	28.650	13.070	1,450,228	230,844	57.34%	12.81%	53.78%		

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

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (SqM)	Completed Dressing and turfing (SqM)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of Apr 30, 2019	Remarks
Polder-35/3																		
1	35/3	Molliker ber	0.140	0.000	0.140	Resectioning	N	NA	4,724	3,700	0.000	0.140	3046	0	78.32%	0.00%	72.06%	Work in Progress
2	35/3	Molliker ber	0.340	0.140	0.480	Retired	N	NA	15,311	12,000	0.240	0.100	7398	0	78.38%	0.00%	72.11%	Work in Progress
3	35/3	Molliker ber	0.285	0.480	0.765	Resectioning	N	NA	7,534	7,000	0.285	0.000	6202	1000	92.91%	16.12%	86.77%	Work in Progress
4	35/3	Molliker ber	0.375	0.765	1.140	Retired	N	NA	16,049	15,000	0.375	0.000	8160	1200	93.46%	14.71%	87.16%	Work in Progress
5	35/3	Molliker ber	1.405	1.140	2.545	Resectioning	N	NA	53,284	47,000	1.000	0.405	30573	5000	88.21%	16.35%	82.46%	Work in Progress
6	35/3	Molliker ber	1.095	2.545	3.640	Retired	N	NA	51,415	48,000	1.000	0.095	23827	8000	93.36%	33.58%	88.58%	Work in Progress
7	35/3	Molliker ber	1.330	3.640	4.970	Resectioning	N	NA	39,093	37,000	1.330	0.000	28941	10000	94.65%	34.55%	89.84%	Work in Progress
8	35/3	Molliker ber	0.100	4.970	5.070	Retired	N	NA	4,433	4,000	0.000	0.100	2176	0	90.23%	0.00%	83.01%	Work in Progress
9	35/3	Bashbaria	1.715	5.070	6.785	Resectioning	N	NA	49,997	45,000	1.715	0.000	37318	25000	90.01%	66.99%	88.16%	Work in Progress
10	35/3	Bashbaria	2.515	6.785	9.300	Retired	N	NA	122,038	80,000	2.400	0.115	54726	0	65.55%	0.00%	60.31%	Work in Progress
11	35/3	Panchamala	0.320	9.300	9.620	Resectioning	N	NA	7,225	5,000	0.000	0.320	6963	0	69.20%	0.00%	63.67%	Work in Progress
12	35/3	Panchamala	0.980	9.620	10.600	Retired	N	NA	49,393	45,000	0.700	0.280	21325	0	91.11%	0.00%	83.82%	Work in Progress
13	35/3	Panchamala	1.900	10.600	12.500	Resectioning	N	NA	59,564	55,000	1.900	0.000	41344	25000	92.34%	60.47%	89.79%	Work in Progress
14	35/3	Radhaballov	1.365	12.500	13.865	Retired	N	NA	72,119	52,000	1.000	0.365	29702	0	72.10%	0.00%	66.33%	Work in Progress
15	35/3	Radhaballov	0.105	13.865	13.970	Resectioning	N	NA	2,982	2,000	0.000	0.105	2285	0	67.07%	0.00%	61.70%	Work in Progress
16	35/3	Radhaballov	0.165	13.970	14.135	Retired	N	NA	5,945	2,000	0.000	0.165	3590	0	33.64%	0.00%	30.95%	Work in Progress
17	35/3	Radhaballov	1.165	14.135	15.300	Resectioning	N	NA	45,703	2,000	0.000	1.165	25350	0	4.38%	0.00%	4.03%	Work in progress
18	35/3	Karapara	0.270	15.300	15.570	Retired	N	NA	17,381	-	0.000	0.000	5875	0	0.00%	0.00%	0.00%	Obstruction by the local commissioner.
19	35/3	Karapara	3.770	15.570	19.340	Resectioning	N	NA	136,405	90,000	1.500	1.770	82035	0	65.98%	0.00%	60.70%	Work in Progress
20	35/3	Dema	0.440	19.340	19.780	Retired	N	NA	10,560	8,000	0.400	0.040	9574	0	75.76%	0.00%	69.70%	Work in Progress
21	35/3	Dema	9.320	19.780	29.100	Resectioning	N	NA	306,596	280,000	9.000	0.320	202803	150000	91.33%	73.96%	89.94%	Work in Progress
22	35/3	Khegraghat	1.160	29.100	30.260	Retired	N	NA	53,605	30,000	0.000	0.800	25242	0	55.96%	0.00%	51.49%	Work in Progress
23	35/3	Dema	3.950	30.260	34.210	Resectioning	N	NA	110,694	85,000	3.200	0.750	85952	30000	76.79%	34.90%	73.44%	Work in Progress
24	35/3		1.950	34.210	36.160		N	NA	0.000	0.000	2.000	0.000	0	0	0.00%	0.00%	0.00%	Work not Required.
25	35/3	Molliker ber	1.220	36.160	37.380	Retired	N	NA	55,196	50,000	1.000	0.220	26547	5000	90.59%	18.83%	84.85%	Work in Progress
26	35/3	Molliker ber	0.020	37.380	37.400	Resectioning	N	NA	845	800	0.000	0.020	435	0	94.67%	0.00%	87.10%	Work in Progress
27	35/3	Molliker ber	0.430	37.400	37.830	Retired	N	NA	20,042	16,500	0.430	0.000	9357	0	82.33%	0.00%	75.74%	Work in Progress
28	35/3	Molliker ber	0.735	37.830	38.565	Resectioning	N	NA	31,884	25,000	0.600	0.135	15994	0	78.41%	0.00%	72.14%	Work in Progress
29	35/3	Molliker ber	0.475	38.565	39.040	Retired	N	NA	22,108	18,000	0.000	0.475	10336	0	81.42%	0.00%	74.91%	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	17,000	0.600	0.185	17082	0	79.24%	0.00%	72.90%	Work in progress
Total Polder-35/3 =			39.825						1,393,578	1,082,000	30.675	8.070	824,160.000	260,200.000	72.25%	12.35%	67.45%	
Grand Total of Package-1			200.617						6357001.23	3859488.00	111.755	52.567	4272645.27	667133.53				

Table 3-34: 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 Apr, 2019	Remarks
Package 1								
1	32	Charar	1.500	1.200	26,784	21,427	80%	Work will be started soon.
2	32	Hatkhola	3.500	3.300	50,830	47,925	94%	work will be started soon.
3	32	Para	4.500	2.500	34,772	19,318	56%	Work in Progress
4	32	Kayratoli	3.000	0.500	25,979	4,330	17%	Work in Progress
5	32	Clozarer	3.000	0.000	8,019	0	0%	Work will be started soon.
6	32	Jaliakhali	2.000	1.750	22,949	20,080	88%	Work will be started soon.
7	33	Bajua, DS 9	8.890	0.400	192,809	8,675	4%	Work in Progress
8	33	Chara, DS 5	10.000	7.000	60,075	42,053	70%	Work in Progress
9	33	Khejura, DS 2	5.500	3.850	13,220	9,254	70%	Work in Progress
10	33	Khuntakhali, DS 11	4.500	0.300	19,416	1,294	7%	Work in Progress
11	33	Pachin Baju, DS 10	8.500	0.000	4,825	0	0%	Will be started soon.
12	33	Bojan, DS 1	2.000	0.500	55,535	13,884	25%	Work in Progress
13	33	Borobage (DS-3)	7.500	0.000	82,692	0	0%	Work will be started soon.
14	33	Bolder, DS 4	1.000	0.300	18,618	5,585	30%	Work in Progress
15	33	Dhopadi, DS 6	4.000	0.800	61,069	12,214	20%	Work in Progress
16	33	Dacope, DS 7	4.000	1.500	115,278	43,229	38%	Work in Progress
17	33	Borobaker, DS 13	6.000	0.000	20,444	0	0%	Work will be started by May 2019
18	33	Kata, FS 9	1.320	1.300	28,247	27,819	98%	Work in Progress
19	35/1	Terabeka,DS-08(Khal-01)	2.500	2.125	18,304	15,558	85%	Work yet to be started.
20	35/1	Rayenda,DS-04(Khal-20)	9.500	1.425	81,985	12,298	15%	Work in Progress
21	35/1	Satgharer,DS-18(Khal-02)	1.000	0.000		0	0%	Shop drawing yet to be received.
22	35/1	Gabtota,DS-07(Khal-04)	2.000	1.700	10,575	8,989	85%	Work yet to be started.
23	35/1	Tafalbari(Khal-06),DS-06	6.000	3.600	45,093	27,056	60%	Work yet to be started.
24	35/1	Sonatola(Khal-11),DS-10	2.500	2.125	14,468	12,298	85%	Work yet to be started.
25	35/1	Jheelbonia(Khal-19),DS-05	6.000	4.700	38,856	30,437	78%	Work in Progress
26	35/1	Thanar(Khal-42),DS-11	3.500	0.700	70,562	14,112	20%	Work in Progress
27	35/1	Khunta kata(Khal-61),DS-03	3.500	0.000		0	0%	Shop drawing yet to be received.
28	35/1	Kumarkhali(Khal-64),DS-02	12.500	0.000		0	0%	Shop drawing yet to be received.
29	35/1	Sannashir(Khal-73),DS-01	1.500	0.100	11,825	788	7%	Work in Progress
30	35/1	Andaria(Khal-75),DS-15	2.000	0.000	32,662	0	0%	Work yet to be started.
31	35/1	Kabirajer(Khal-79),DS-13	3.500	0.700	38,743	7,749	20%	Work in Progress
32	35/1	Rajapur(Khal-81),DS-12	3.500	0.700	77,690	15,538	20%	Work in Progress
33	35/1	Khajurbaria(Khal-90),DS-17	5.500	0.000		0	0%	Shop drawing yet to be received.
34	35/1	Rathiar(Khal-84),DS-16	4.500	0.900	69,186	13,837	20%	Work in Progress
35	35/1	Fajajipara(Khal-76),DS-14	1.000	0.000	7,695	0	0%	Work yet to be started.
36	35/3	Care Khal	0.000	0.000	0	0	0%	Not required hence it is drop.
Total			151.21	43.975	1,359,203	435,748	33.09%	

Table 3-35: 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	CC	Weighted % progress (Apr 19)	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 Installed.
5	DS	DS-9	32	100%	100%	100%	100%		100%	N	NA		Gate Installed.
6	DS	DS-10	32	100%	100%	100%	65%		95%	N	NA		Work in Progress.
7	DS	DS-11	32	100%	100%	90%			80%	N	NA		Work in Progress.
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 installed.
10	DS	DS-2	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
11	DS	DS-3	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
12	DS	DS-4	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
13	DS	DS-6	33	100%	100%	95%			82%	N	NA		Work in progress.
14	DS	DS-7	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
15	DS	DS-8	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
16	DS	DS-9	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
17	DS	DS-10	33	100%	100%	20%			41%	N	NA		work in progress.
18	DS	DS-11	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
19	DS	DS-12	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
20	DS	DS-13	33	100%	100%	100%	100%		100%	N	NA		Gate installed.
21	DS	DS-1	35/1	100%	100%	100%	100%		100%	N	NA		Gate Installed but not commissioned.
22	DS	DS-2	35/1	100%	100%	100%	50%		93%	N	NA		Gate Installed but not commissioned.
23	DS	DS-4	35/1	100%	100%	100%	100%		100%	N	NA		Gate Installed but not commissioned.
24	DS	DS-5	35/1	100%	100%	100%	100%		100%	N	NA		Gate Installed but not commissioned.
25	DS	DS-6	35/1	100%	100%	100%	100%		100%	N	NA		Gate Installed but not commissioned.
26	DS	DS-7	35/1	100%	100%	100%	100%		100%	N	NA		Gate Installed but not commissioned.
27	DS	DS-8	35/1	100%	100%	100%	100%		100%	N	NA		Gate Installed but not commissioned.
28	DS	DS-11	35/1	100%	100%	100%	50%		93%	N	NA		Work in progress.
29	DS	DS-12	35/1	100%	100%	100%	100%		100%	N	NA		Work in progress.
30	DS	DS-13	35/1	100%	100%	100%	50%		93%	N	NA		Work in progress.
31	DS	DS-14	35/1	100%	100%	60%			63%	N	NA		Work in progress.
32	DS	DS-15	35/1	100%	100%	100%	100%		100%	N	NA		Work in Progress.
33	DS	DS-16	35/1	100%	100%	100%	100%		100%	N	NA		Work in progress.
34	DS	DS-17	35/1	100%	100%	100%	100%		100%	N	NA		Gate Installed but not commissioned.
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 installed.
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 installed.
39	DS	DS-4	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.

Table 3-36: Detailed Information of Construction Status of Flushing Sluices of Package-1

#	Type of HS	Sluice Name	Polder	Preparation cofferdam-excavation-dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation CC block placing - Gate	Weighted % progress (Apr 19)	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 at this location
2	FS	D-10	32	100%	100%	75%		71%	N	NA		Work in progress.
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%		85%	N	NA		work in progress
6	FS	FS-6	33	100%	100%	90%		80%	N	NA		work in progress
7	FS	FS-8	33	100%	100%	90%		80%	N	NA		Work in progress
8	FS	FS-9	33	100%	100%	100%	100%	100%	N	NA		Gate Installed
9		FS-10	33					100%	Y		Dropped	Dropped due to Land Problem for excavation of diversion channel
10	FS	FS-11	33	100%	100%	15%		38%	N	NA		Work in progress.
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 Installed
14		FS-19	33					100%	Y		Dropped	Dropped due to Land Problem for excavation of diversion channel
15	FS	FS-1	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
16	FS	FS-2	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
17	FS	FS-4	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
18	FS	FS-5	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
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 installed but not commissioned.
21	FS	FS-12	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
22	FS	FS-13	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
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 installed but not commissioned.
26	FS	FS-17	35/1	100%	100%	100%	100%	100%	N	NA		Gate to be installed
27	FS	FS-18	35/1	100%	100%	100%	50%	93%	N	NA		work is in progress.
28	FS	FS-19	35/1	100%	100%	100%	50%	93%	N	NA		work is in progress.
29	FS	FS-21	35/1					0%				Work will be started very soon
30	FS	FS-22	35/1	90%	47%			18%	N	NA		Sand piling is in progress , Payment of houses to be need to house owner (Quarters).
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%	60%		63%	N	NA		work is in progress.
33	FS	FS-3	35/3	100%	100%	100%	100%	100%	N	NA		Gate Installed.
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		Gate Installed.
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		Gate Installed.
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 3-37: 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	Weighted % progress (Apr 19)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Repairing of Drainage Sluices												
1	DS	DS-1	35/1	100%	100%	95%	90%	96%	N	NA		Dewatering is in progress.
2	DS	DS-2	35/1	100%	100%	95%	90%	96%	N	NA		Work in progress.
Repairing of Flushing Sluices												
1	FS	FS-01	32	100%	100%	100%	100%	100%	N	NA		Work in progress .work completed except gate fixing.
2	FS	FFDFB-01	32	100%	100%	100%	100%	100%	N	NA		Work in progress .work completed except gate fixing.
3	FS	FFDFM-01	32	100%	100%	100%	100%	100%	N	NA		Work in progress .work completed except gate fixing.
4		FFDFR-01	32					100%			Dropped	No need to repair. (FFDFR-01)
5	FS	FM-08	32	100%	50%	60%	35%	58%	N	NA		Design data submitted for approval
6		FS-04	32					100%			Dropped	Sluice not repairable.(FS-04)
7	FS	FM-09	32	100%	50%	50%	35%	53%	N	NA		Design data submitted for approval.
8	FS	FM-10	32	50%		10%		11%	N	NA		Design data not submitted by contractor.
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-12)
22	FS	FS-13	33	100%	50%	100%	50%	83%	N	NA		Work in Progress.
	FS	FS-15	33	100%	100%	100%	100%	100%	N	NA		Completed.
23	FS	FS-16	33	100%	100%	100%		85%	N	NA		Work in progress.
24		FS-18	33					100%	Y		Dropped	Private structure, repair not needed. (FH-18)
25	FS	FS-03	35/1	100%	100%	100%	75%	96%	N	NA		Work in progress.
26	FS	FS-10	35/1	100%	100%	95%	75%	94%	N	NA		Work in progress.
27	FS	FS-20	35/1					0%	N	NA		Not feasible to repair,need to be replaced.
28	FS	FS-02	35/3	100%	100%	60%	45%	70%	N	NA		Work in progress.
29	FS	FS-07	35/3	100%	100%	60%	45%	70%	N	NA		Work in progress.

Table 3-38: 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 April 30, 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	80%	80%	80%	60%	0.774	77%	Rest will be completed after construction of D-10.
4	32	1.000	15.000	16.000	N	NA					0.000	0%	Retired embankment not yet completed .
6	33	0.100	28.500	28.600	N	NA	100%	100%			0.080	80%	Work in progress
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	100%	100%	100%	100%	0.300	100%	Work Completed.
18	35/1	1.000	2.300	3.300	N	NA					0.000	0%	Retired embankment partially done during 2016-2017.Embankment work is in progress.
19	35/1	1.500	3.800	5.300	N	NA					0.000	0%	Resectioning of embankment not yet completed.
20	35/1	0.750	8.000	8.750	N	NA					0.000	0%	Resectioning of embankment not yet completed.
21	35/1	0.500	13.200	13.700	N	NA					0.000	0%	Embankment not yet started.
22	35/1	3.000	14.000	17.000	N	NA	80%	80%	70%	40%	2.223	74.100%	Revised shop drawing from km 14.000 to km 17.00 needs to be received from contractor for repairing existing slope protection. .Progress hampering due to negligence of contractor quality control system.
23	35/1	5.000	20.500	25.500	Y		80%	80%	20%	50%	3.595	72%	Slope protection work is in progress in between km 22.200 to km23.200
24	35/3	0.900	39.100	40.000	N	NA	75%	100%	80%	75%	0.851	95%	work in progress.work reduced to 0.700 m
	Total	19.966									12.739	68.32%	

Table 3-39: 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 Apr 30, 2019	Remarks
Package 1					3%	83%	6%	8%			
1	32	0.750	20.493	21.243	70%	100%	72%	60%	0.750	94.2%	500m Pitching work completed.
2	32	0.500	25.450	25.950	70%	100%	99%	75%	0.500	97.04%	work completed.
3	32	0.750	48.824	49.574	60%	100%	79%	50%	0.650	93.54%	Dumping work is in progress.
4	33	0.200	0.000	0.200	100%	100%	100%	100%	0.200	100%	Completed
5	33	0.400	0.99	1.39	100%	100%	100%	100%	0.400	100%	Completed
6	33	0.500	17.36	17.86	100%	100%	100%	100%	0.500	100%	Completed
7	33	0.300	21.58	21.88	60%	100%	90%	50%	0.200	94%	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%	Proposed to shifting from km 3.900 to km 4.100
9	35/1	0.600	3.3	3.9	100%	100%	100%	100%	0.600	100%	Completed
10	35/3	0.15	36.22	36.37	100%	100%	100%	100%	0.150	100%	Completed
	Total	4.450							3.950	87.90%	

Table 3-40: 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	63%			16%	N	NA	Work in progress

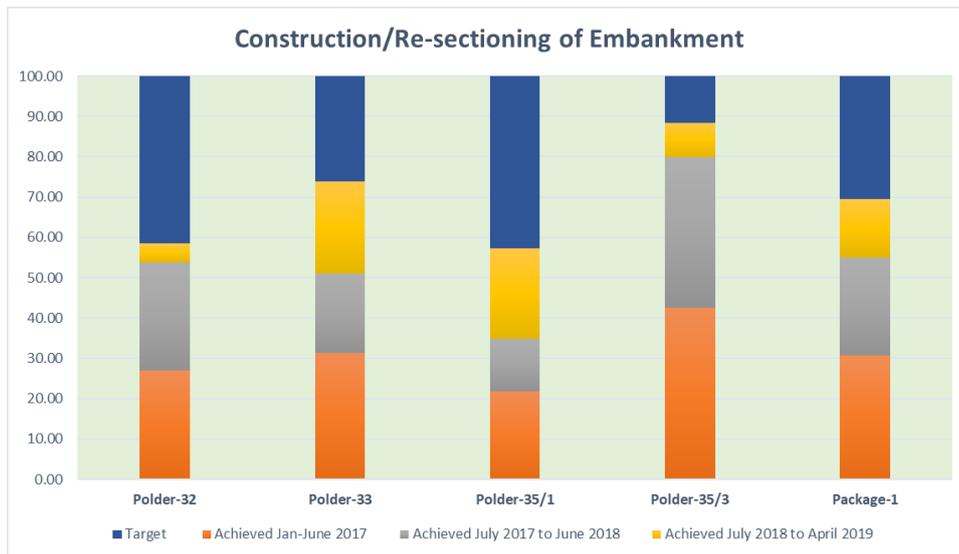


Figure 3-33: Construction/Re-sectioning of Embankment of Package-1

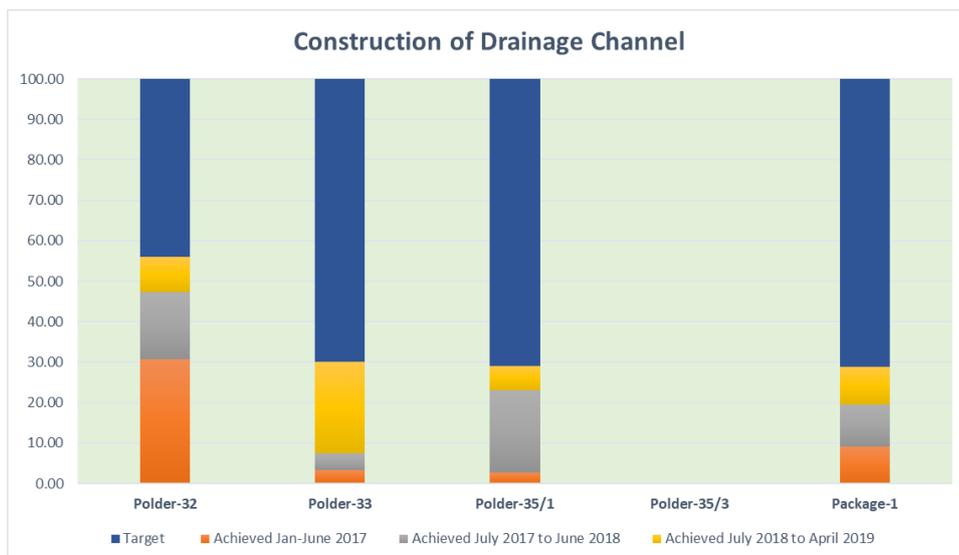


Figure 3-34: Drainage Channel of Package-1

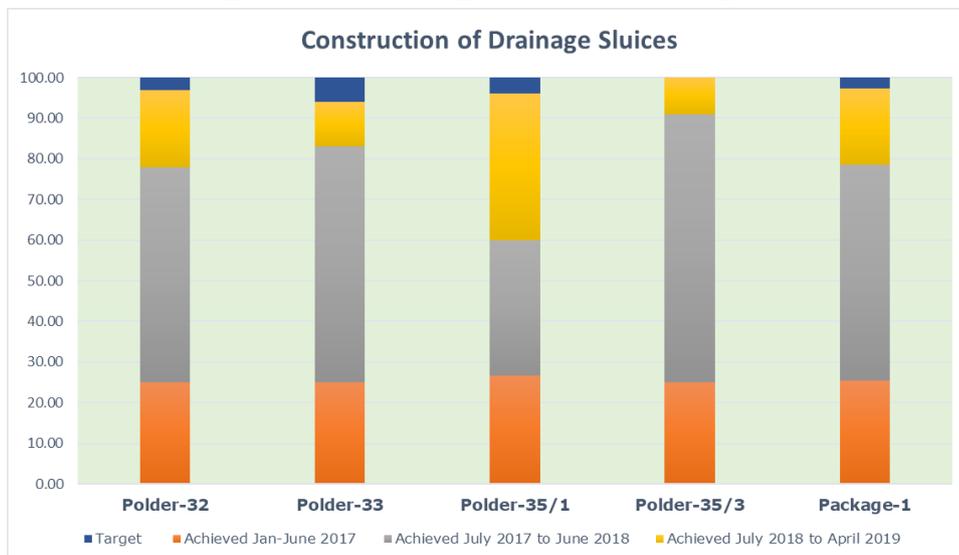


Figure 3-35: Construction of Drainage Sluices of Package-1

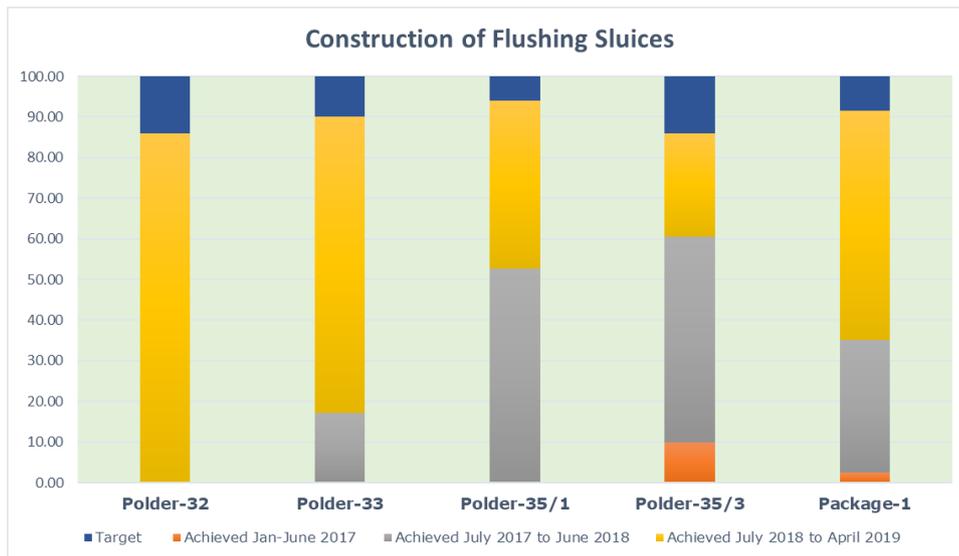


Figure 3-36: Construction of Flushing Sluice of Package-1

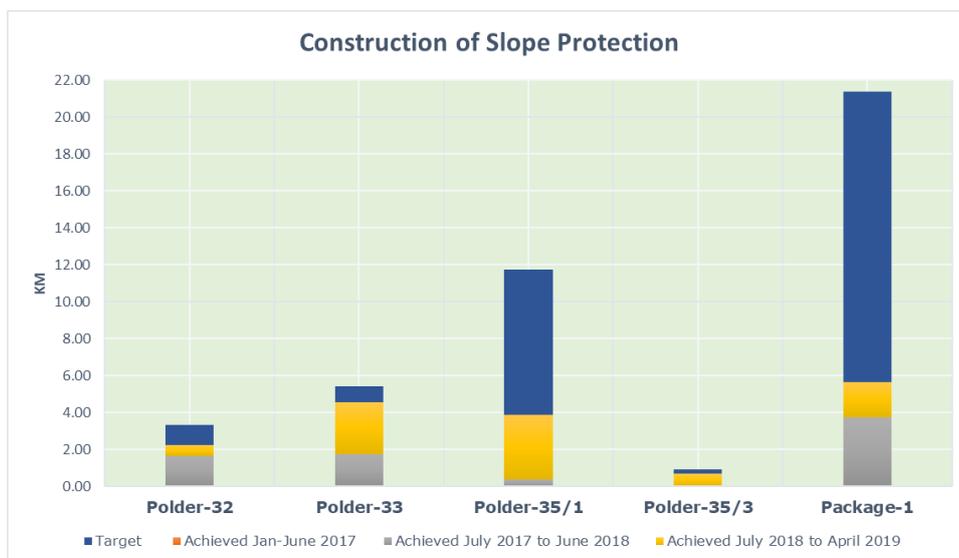


Figure 3-37: Construction of Slope Protection of Package-1

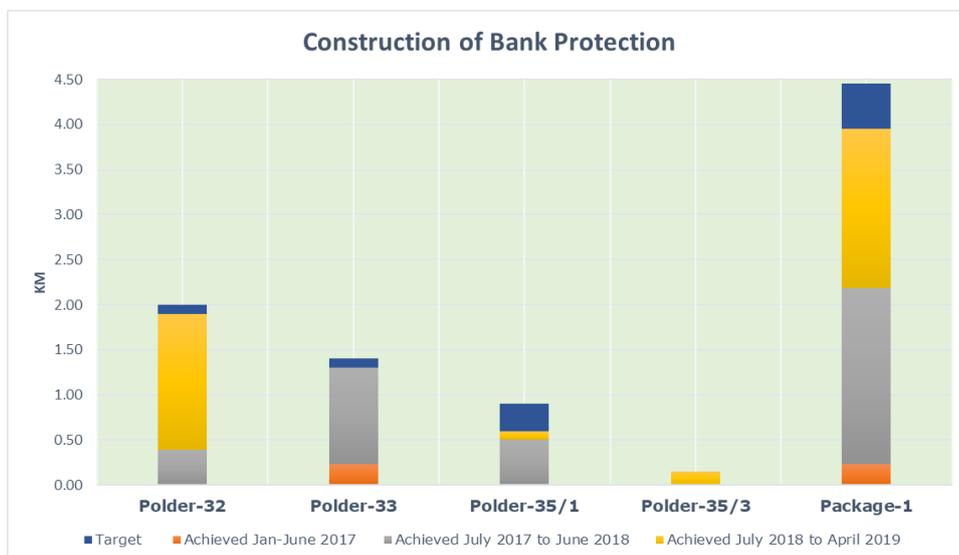


Figure 3-38: Construction of Bank Protection of Package-1

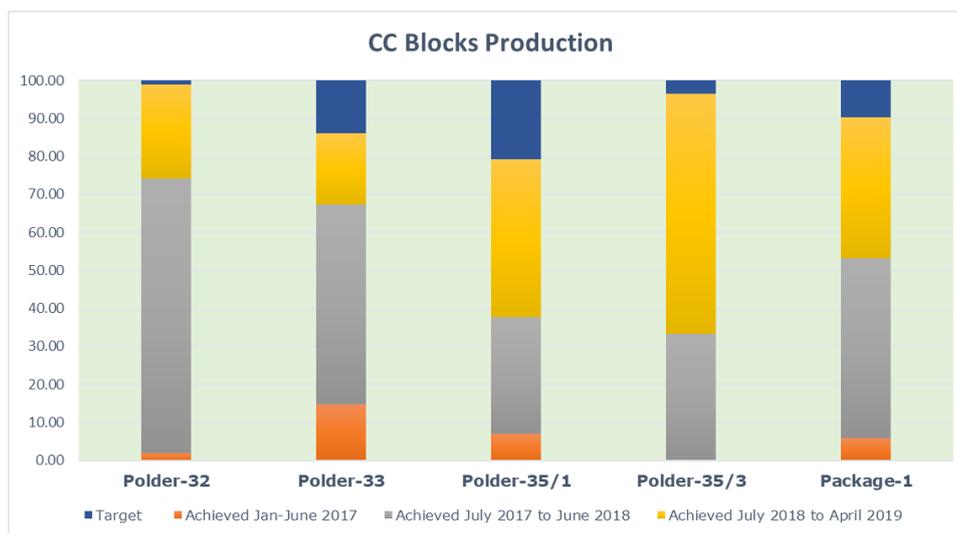


Figure 3-39: CC Blocks Production of Package-1

Table 3-41: Progress as on April 2019

Item	Unit	Contract Quantity	Status 30 April 2019
Construction/Re-sectioning of Embankment	Km	200.617	111.76 (F) 52.57 (P)
Excavation/Re-excavation of Drainage Channel	Km	151.21	43.98 (F)
Construction of Drainage Sluice	No	38	30 (F) 8 (P)
Repairing of Drainage Sluice	No	2	2 (p)
Construction of Flushing Inlets	No	30	20 (F) 9 (P)
Repairing of Flushing Inlets	No	14	04 (F) 09 (p)
Embankment Slope Protection Works (Km)	Km	19.966	12.739
River Bank Protection Works (Km)	Km	4.45	3.95
Construction of Closure-Dam	No	1	Progress 63% of foundation work

Table 3-42: CC Blocks Production as on April 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 30 March 2019	Production during April 2019					Cumulative Total as of 30 April 2019
						40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	Total (No)	
1	32	1,918,026	21,223	304,899	1,860,190	0	0	0	0	0	1,860,190
2	33	1,619,763	59,088	377,958	1,155,275	325	0	0	0	325	1,155,600
2	35/1	3,628,073	37,398	372,432	2,519,302	0	90,478	14,548	0	105,026	2,624,328
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	5,747,721	325	90,478	14,548	0	105,351	5,853,072

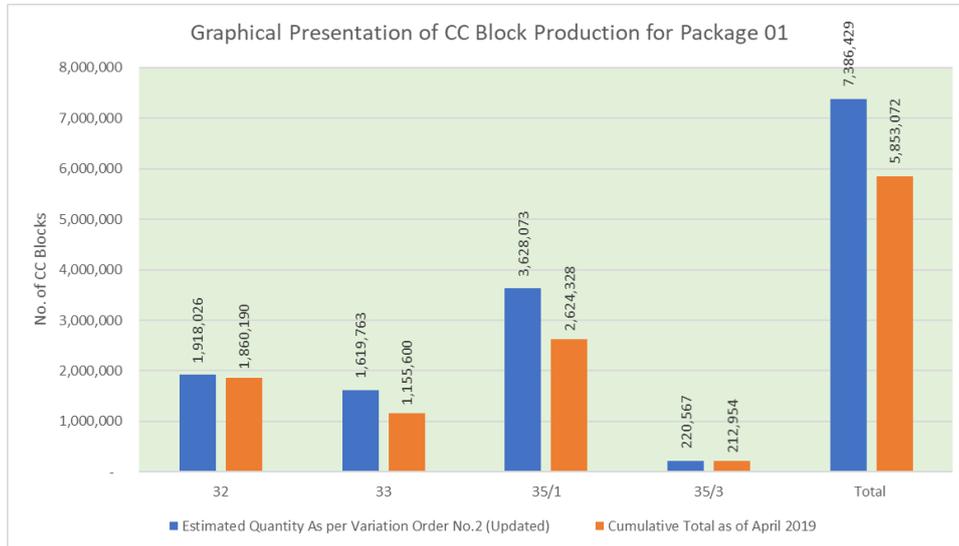


Figure 3-40: Graphical Presentation of CC Block Production for Package-1



Figure 3-41: DS-4 of Polder-33



Figure 3-42: DS-7 of Polder-33



Figure 3-43: DS-13 of Polder-33



Figure 3-44: DS-9 of Polder-33



Figure 3-45: DS-10 of Polder-33



Figure 3-46: DS-12 of Polder-33



Figure 3-47: FS-17 of Polder-33



Figure 3-48: DS-5 of Polder-35/1



Figure 3-49: DS-6 of Polder-35/1



Figure 3-50: FS-2 of Polder-35/1



Figure 3-51: FS-13 of Polder-35/1



Figure 3-52: DS-1 of Polder-35/3



Figure 3-53: DS-3 of Polder-35/3



Figure 3-54: FS-2 of Polder-32

Total nos. of Flushing sluice to be repaired as per contract was 30 nos. out of which 15 nos. has been dropped those are reflected in detailed in Table 3-43 and Table 3-44 below:

Table 3-43: Information of Repair of Flushing Sluices and Drainage Sluices

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

Remaining (30-16) = 14 nos. are in the program out of which 4 nos. have been completed and 9 nos. are in progress and remaining 1 nos. are 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 by June 2019.

Table 3-44: 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.

3.4.7 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 April 2019 are shown below:

Table 3-45: Summary of Emergency works under the head of "Environmental Mitigation Works"

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

- ❖ Total available budget as per contract: BDT: 40,000,000.00

Table 3-46: Summary of Emergency works under the head of "Physical & Price Contingency"

Sl. No.	Name of Polder	Total Length	Total Cost Estimate (BDT)
01	Polder-32	4.192	18,398,767
02	Polder-33	1.517	11,943,068
03	Polder-35/1	1.53	20,170,105
04	Polder-35/3	2.879	8,401,201
Total =		10.118	58,913,141

- ❖ Total available budget as per Variation Order-02 (Updated): BDT: 300,000,000.00

Table 3-47: Details of Emergency Works under the head of “Environmental Mitigation Works”

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
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	Do	FY 2015-16
3	Polder-32	8.161	8.350	0.189	Kalibari	14-Mar-16	614,000.00	Do	FY 2015-16
4	Polder-32	8.491	8.628	0.137	Kalibari	14-Mar-16	1,009,000.00	Do	FY 2015-16
5	Polder-32	7.681	7.981	0.300	Sutarkhali	7-May-17	1,433,223.43	Do	FY 2016-17
6	Polder-32	8.030	8.160	0.130	Sutarkhali	5-Jun-17	639,091.00	Do	FY 2016-17
7	Polder-32	8.164	8.292	0.128	Sutarkhali	16-Apr-17	811,931.00	Do	FY 2016-17
8	Polder-32	8.140	8.217	0.077	Kalibari	22-Jan-17	256,000.00	Do	FY 2016-17
9	Polder-32	8.566	8.649	0.083	Sutarkhali	16-May-17	619,153.00	Do	FY 2016-17
10	Polder-32	12.393	12.693	0.300	Jaynagar	23-Mar-16	1,027,000.00	Do	FY 2015-16
11	Polder-32	18.575	18.690	0.115	Hatkhola	20-Apr-16	817,000.00	Do	FY 2015-16
12	Polder-32	16.680	16.900	0.220	Jhaliakhali of Kamarkhola	23-Mar-16	608,000.00	Do	FY 2015-16
13	Polder-32	18.840	19.960	1.120	Hatkhola	3-Mar-16	817,000.00	Do	FY 2015-16
14	Polder-32	19.179	19.236	0.057	Kamarkhola	24-Apr-17	460,436.32	Do	FY 2016-17
15	Polder-32	30.050	30.148	0.098	Sutarkhali	22-Jun-17	7,702,000.00	Do	FY 2016-17

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

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
16	Polder-32	36.155	36.232	0.077	Sutarkhali	24-Apr-17	337,118.92	Do	FY 2016-17
17	Polder-32	43.118	43.147	0.029	Sutarkhali	24-Apr-17	103,342.00	Do	FY 2016-17
18	Polder-32	44.561	44.931	0.370	Sutarkhali	20-Mar-16	1,039,924.00	Do	FY 2015-16
19	Polder-32	44.907	44.935	0.028	Sutarkhali	11-May-17	108,959.00	Do	FY 2016-17
20	Polder-32	45.062	45.100	0.038	Shibsha River	27-Mar-17	631,551.00	Do	FY 2016-17
21	Polder-33	0.130	0.280	0.150	Banisanta	2-Jun-16	386,000.00	Do	FY 2015-16
22	Polder-33	0.600	1.300	0.700	Banisanta	2-Jun-16	1,159,000.00	Do	FY 2015-16
23	Polder-33	1.190	1.432	0.242	Banisanta	25-Mar-16	456,000.00	Do	FY 2015-16
24	Polder-33	17.447	17.547	0.100	Ramnagar	19-Jan-16	3,601,000.00	Do	FY 2015-16
25	Polder-33	1.220	1.332	0.112	Baniashanta	25-May-17	663,558.00	Do	FY 2016-17
26	Polder-33	48.800	48.875	0.075	Banisanta	15-Mar-17	1,175,520.00	Do	FY 2016-17
27	Polder-33	48.800	48.875	0.075	Banisanta	15-Mar-16	1,175,520.00	Do	FY 2016-17
28	Polder-35/1	2.100	2.466	0.366	Baleswar	8-May-17	609,128.55	Do	FY 2016-17
29	Polder-35/1	20.082	20.163	0.081	Sarankhola	1-Apr-16	100,000.00	Do	FY 2015-16
30	Polder-35/1	24.430	24.500	0.070	Sarankhola	23-Apr-17	1,793,272.30	Do	FY 2016-17
31	Polder-35/1	24.703	24.864	0.161	Southkhali	21-Jun-17	2,080,957.39	Do	FY 2016-17

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
32	Polder-35/1	24.673	24.864	0.191	Bogi	19-Jun-17	2,080,957.39	Do	FY 2016-17
33	Polder-35/1	63.050	63.106	0.056	Morelgonj	1-Mar-16	1,317,000.00	Do	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	Do	FY 2015-16
35	Polder-35/3	3.394	3.494	0.100	MollikerBer	27-Apr-17	418,530.02	Do	FY 2016-17
36	Polder-35/3	7.176	7.905	0.729	Panchamala of Dema	22-Mar-16	533,000.00	Do	FY 2016-17
37	Polder-35/3	9.558	9.597	0.039	Panchamala of Dema	22-Mar-16	23,000.00	Do	FY 2016-17
38	Polder-35/3	9.815	9.887	0.072	Panchamala of Dema	22-Mar-16	34,000.00	Do	FY 2016-17
39	Polder-35/3	29.865	29.965	0.100	Radhaballab	27-Mar-16	1,070,000.00	Do	FY 2015-16
Total		39	39	7.62			39,991,142		

Table 3-48: Detailed of Emergency Works under the head of "Physical & Price Contingencies"

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
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	Do	FY 2018-19
3	Polder-32	3.093	3.633	0.540	Gunari of Sutharkhali	2-Aug-16	277,000.00	Do	FY 2016-17
4	Polder-32	3.130	3.180	0.050	Gunari of Sutharkhali	11-Sep-17	317,883.95	Do	FY 2017-18
5	Polder-32	3.103	3.241	0.138	Gunari of Sutharkhali	31-Oct-16	593,800.00	Do	FY 2016-17
6	Polder-32	8.060	8.100	0.040	Kalibari	18-Nov-17	77,000.00	Do	FY 2018-19
7	Polder-32	8.321	8.414	0.093	Kalibari	1-May-17	530,000.00	Do	FY 2017-18
8	Polder-32	8.350	8.385	0.035	Kalibari	1-Dec-16	60,000.00	Do	FY 2016-17
9	Polder-32	8.586	8.729	0.143	Kamarkhola	27-Aug-17	922,055.59	Do	FY 2017-18
10	Polder-32	8.600	8.670	0.070	Kalibari	26-Jun-17	150,000.00	Do	FY 2017-18
11	Polder-32	8.650	8.713	0.063	Kamarkhola	6-Jul-17	113,492.00	Do	FY 2017-18
12	Polder-32	13.604	13.644	0.040	Sutarkhali	21-Aug-17	311,091.06	Do	FY 2017-18
13	Polder-32	16.078	16.326	0.248	Jhaliakhali of Kamarkhola	25-Jul-17	1,181,802.00	Do	FY 2017-18
14	Polder-32	16.030	16.300	0.270	Jhaliakhali of Kamarkhola	25-Mar-18	1,033,085.00	Do	FY 2017-18
15	Polder-32	16.078	16.326	0.248	Jhaliakhali of Kamarkhola	28-Sep-17	1,154,217.71	Do	FY 2017-18

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
16	Polder-32	16.135	16.395	0.260	Jhaliakhali of Kamarkhola	5-Jun-18	1,712,969.00	Do	FY 2017-18
17	Polder-32	16.240	16.300	0.060	Jhaliakhali of Kamarkhola	25-May-18	30,358.00	Do	FY 2017-18
18	Polder-32	16.298	16.525	0.227	Jaliakhali	7-May-16	1,200,000.00	Do	FY 2017-18
19	Polder-32	16.400	16.445	0.045	Jhaliakhali of Kamarkhola	1-Aug-18	258,751.00	Do	FY 2018-19
20	Polder-32	16.504	16.592	0.088	Jhaliakhali of Kamarkhola	4-Jun-18	539,967.00	Do	FY 2017-18
21	Polder-32	19.150	19.225	0.075	Kamarkhola	5-Apr-17	40,000.00	Do	FY 2017-18
22	Polder-32	19.165	19.265	0.100	Kamarkhola	2-Aug-16	625,000.00	Do	FY 2017-18
23	Polder-32	19.141	19.277	0.136	Kamarkhola	22-Aug-17	122,307.32	Do	FY 2017-18
24	Polder-32	24.759	24.859	0.100	Sharankhola	14-Nov-16	1,859,614.00	Do	FY 2017-18
25	Polder-32	25.659	25.719	0.060	Kamarkhola	17-Nov-16	415,302.00	Do	FY 2016-17
26	Polder-32	31.345	31.387	0.042	Sutarkhali	27-Apr-17	84,867.18	Do	FY 2017-18
27	Polder-32	36.179	36.268	0.089	Sutarkhali	22-Jun-17	164,657.00	Do	FY 2016-17
28	Polder-32	36.317	36.365	0.048	Sutarkhali	1-Aug-18	307,884.00	Do	FY 2018-19
29	Polder-32	36.225	36.341	0.116	Sutarkhali	11-Aug-18	150,000.00	Do	FY 2017-18
30	Polder-32	41.570	41.620	0.050	Sutarkhali	22-May-18	468,884.00	Do	FY 2017-18
31	Polder-32	43.115	43.155	0.040	Thursday Bazar, Sutarkhali	1-Aug-18	129,624.00	Do	FY 2018-19

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

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
32	Polder-32	44.900	45.120	0.220	Sutarkhali	20-Aug-18	508,047.00	Do	FY 2018-19
33	Polder-32	44.957	45.083	0.126	Kalabogi	1-May-16	926,000.00	Do	FY 2018-19
34	Polder-32	45.506	45.518	0.012	Kalabogi	10-May-17	32,000.00	Do	FY 2017-18
35	Polder-32	45.549	45.731	0.182	Sutarkhali	12-Jul-17	1,338,310.00	Do	FY 2017-18
36	Polder-33	1.086	1.127	0.041	Banishanta	19-Sep-17	432,185.30	Do	FY 2017-18
37	Polder-33	1.155	1.184	0.029	Same as 1.086 to 1.127	19-Sep-17	0.00	Do	FY 2017-18
38	Polder-33	0.005	0.060	0.055	Banishanta	1-Jun-17	344,069.00	Do	FY 2016-17
39	Polder-33	1.070	1.116	0.046	Dhangmari	25-May-17	31,798.00	Do	FY 2017-18
40	Polder-33	1.200	1.242	0.042	Baniashanta	20-Aug-18	294,835.00	Do	FY 2018-19
41	Polder-33	0.235	0.280	0.045	Baniashanta	13-Aug-18	416,831.00	Do	FY 2018-19
42	Polder-33	17.465	17.595	0.130	Ramnagar	1-Aug-16	865,000.00	Do	FY 2016-17
43	Polder-33	21.730	21.800	0.070	Dacope	11-Aug-18	464,469.00	Do	FY 2018-19
44	Polder-33	48.575	48.658	0.083	Banishanta	16-Aug-16	594,000.00	Do	FY 2017-18
45	Polder-33	48.653	48.741	0.088	Banishanta	13-Aug-18	1,672,456.00	Do	FY 2018-19
46	Polder-33	48.767	48.836	0.069	Same amount of Ch. 48.653 to 48.741	13-Aug-18	0.00	Do	FY 2018-19
47	Polder-33	48.892	48.972	0.080	Banishanta	11-Sep-18	497,585.00	Do	FY 2018-19

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

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
48	Polder-33	48.850	49.100	0.250	Banisanta	16-May-18	2,480,308.98	Do	FY 2017-18
49	Polder-33	48.868	49.087	0.219	Banisanta	1-Aug-18	1,097,128.00	Do	FY 2018-19
50	Polder-33	48.930	49.050	0.120	Banisanta	24-Aug-16	1,780,283.00	Do	FY 2016-17
51	Polder-33	49.000	49.045	0.045	Banisanta	10-Oct-17	324,000.00	Do	FY 2018-19
52	Polder-33	49.022	49.099	0.077	Banisanta	11-Oct-17	337,240.00	Do	FY 2018-19
53	Polder-33	49.047	49.075	0.028	Banisanta	21-Sep-17	310,880.00	Do	FY 2018-19
54	Polder-35/1	20.020	20.308	0.288	Sarankhola	1-Jul-16	2,800,000.00	Do	FY 2017-18
55	Polder-35/1	23.812	24.014	0.202	Southkhali	24-Apr-18	394,032.65	Do	FY 2017-18
56	Polder-35/1	23.988	24.028	0.040	Sarankhola	24-May-18	355,507.00	Do	FY 2018-19
57	Polder-35/1	24.252	24.329	0.077	Southkhali	29-Jul-18	1,961,705.54	Do	FY 2018-19
58	Polder-35/1	24.273	24.340	0.067	Southkhali	27-Nov-17	1,370,419.82	Do	FY 2017-18
59	Polder-35/1	24.400	24.457	0.057	Sarankhola	1-Aug-16	812,000.00	Do	FY 2016-17
60	Polder-35/1	24.366	24.454	0.088	Bagi	30-Oct-17	1,372,087.83	Do	FY 2017-18
61	Polder-35/1	24.475	24.537	0.062	Bagi	19-Sep-17	761,484.52	Do	FY 2016-17
62	Polder-35/1	24.525	24.605	0.080	Bagi	9-May-18	1,539,821.57	Do	FY 2017-18
63	Polder-35/1	24.594	24.666	0.072	Bagi	30-Oct-17	1,352,571.65	Do	FY 2017-18

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

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
64	Polder-35/1	24.164	24.251	0.087	Sarankhola	16-May-18	1,847,015.74	Do	FY 2017-18
65	Polder-35/1	23.788	23.833	0.045	Sarankhola		535,205.00	Do	FY 2018-19
66	Polder-35/1	24.590	24.765	0.175	Southkhali	12-Sep-18	2,063,945.09	Do	FY 2018-19
67	Polder-35/1	24.759	24.859	0.100	Southkhali	30-Nov-17	1,801,033.32	Do	FY 2017-18
68	Polder-35/1	24.865	24.955	0.090	Southkhali	3-Dec-17	1,203,275.08	Do	FY 2017-18
69	Polder-35/3	0.127	0.168	0.041	MollikerBer	27-Jul-16	550,000.00	Do	FY 2016-17
70	Polder-35/3	0.130	0.170	0.040	MollikerBer	7-May-17	287,000.00	Do	FY 2017-18
71	Polder-35/3	2.826	2.948	0.122	MollikerBer	27-Apr-17	408,850.00	Do	FY 2017-18
72	Polder-35/3	5.500	5.570	0.070	Basbaria	25-Jul-17	20,270.00	Do	FY 2018-19
73	Polder-35/3	7.000	7.007	0.007	Panchamala of Dema	5-Jul-17	14,000.00	Do	FY 2018-19
74	Polder-35/3	9.867	9.917	0.050	MollikerBer	22-Mar-16	26,000.00	Do	FY 2016-17
75	Polder-35/3	9.873	10.083	0.210	Panchamala of Dema	23-Jul-18	1,635,916.00	Do	FY 2018-19
76	Polder-35/3	9.900	10.050	0.150	Dema	7-May-17	1,046,761.94	Do	FY 2016-17
77	Polder-35/3	10.000	10.040	0.040	Panchamala of Dema	19-Jul-17	45,269.00	Do	FY 2017-18
78	Polder-35/3	10.040	10.085	0.045	Panchamala of Dema	18-Jul-17	51,276.00	Do	FY 2017-18
79	Polder-35/3	10.085	10.120	0.035	Panchamala of Dema	19-Aug-17	39,819.00	Do	FY 2018-19

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
80	Polder-35/3	10.120	10.160	0.040	Panchamala of Dema	20-Aug-17	45,269.00	Do	FY 2018-19
81	Polder-35/3	13.055	13.155	0.100	Radhabollov of Karapara	23-Jul-18	1,564,711.00	Do	FY 2018-19
82	Polder-35/3	13.283	13.315	0.032	Same amount of ch. 13.055 to 13.155	23-Jul-18		Do	FY 2018-19
83	Polder-35/3	13.345	13.400	0.055	Same amount of ch. 13.055 to 13.155	23-Jul-18		Do	FY 2018-19
84	Polder-35/3	13.209	13.242	0.033	Radhaballab	8-Oct-16	445,000.00	Do	FY 2017-18
85	Polder-35/3	13.343	13.366	0.023	Same as 13.209 to 13.242	8-Oct-16		Do	FY 2017-18
86	Polder-35/3	13.483	13.510	0.027	Same as 13.209 to 13.242	8-Oct-16		Do	FY 2017-18
87	Polder-35/3	13.110	13.148	0.038	Radhabollov	3-Jun-17	379,048.09	Do	FY 2016-17
88	Polder-35/3	13.569	13.602	0.033	Same as 13.110 to 13.148	3-Jun-17	0.00	Do	FY 2016-17
89	Polder-35/3	13.350	13.387	0.037	Bagerhat	18-Sep-17	268,708.79	Do	FY 2017-18
90	Polder-35/3	13.067	13.187	0.120	Radhaballab	27-Mar-16	1,120,000.00	Do	FY 2015-16
91	Polder-35/3	13.573	13.610	0.037	Radhaballab	27-Mar-16	123,000.00	Do	FY 2015-16
92	Polder-35/3	29.600	29.700	0.100	Khagraghat	26-Aug-17	40,395.00	Do	FY 2018-19
93	Polder-35/3	29.800	29.950	0.150	Same as Ch. 29.600 to 29.700	26-Aug-17		Do	FY 2018-19
94	Polder-35/3	30.000	30.070	0.070	Rampal	12-Jun-17	17,000.00	Do	FY 2017-18

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
95	Polder-35/3	36.625	36.665	0.040	Rampal	31-Aug-16		Do	FY 2016-17
96	Polder-35/3	37.130	37.325	0.195	MollikerBer	19-Jul-17	30,064.00	Do	FY 2018-19
97	Polder-35/3	37.500	37.550	0.050	Rampal	17-Jul-17	9,543.00	Do	FY 2017-18
98	Polder-35/3	37.624	37.774	0.150	MollikerBer	17-Jul-17	34,000.00	Do	FY 2017-18
99	Polder-35/3	38.585	38.904	0.319	MollikerBer	28-Aug-16	158,010.00	Do	FY 2016-17
100	Polder-35/3	38.560	38.980	0.420	MollikerBer	20-Jul-17	41,290.00	Do	FY 2017-18
Total		100	100	10.12			58,913,141		

3.4.8 Field Visit observation

A sub-heading in the name **Field EHS Monitoring Visit of PMU** may be added at the end of this sub-section. The contents of the sub-heading may be:

Field EHS Monitoring Visit of PMU:

A field visit for monitoring of the status of Environmental Health and Safety (EHS) was conducted between March 23 to March 28, 2019 in 4 polders of Package-1 by the Senior Environmental Specialist and Environmental Specialist (Field) of PMU. The report of EHS observation of the PMU Environmental Specialist had been shared to the Contractor of package-1 for compliance

During the field visit various discussion on the existing EHS issues were made with the Contractor's EHS Officers (both Chinese and local) on deviation of various compliances and required level of quality compliances thereof. They have also been provided with a short in-house training for the proper implementation of EHS issues. They were also requested to initiate the non-complied EHS issues for improved EHS compliance.

During visit discussion was made with the construction workers on necessity of maintaining environment, health and safety standard during working and requested them for maintaining the quality as required.

The observation of EHS quality at the visited work sites are as follows:

Polder 43/2C: Date of visit 25.03.2019

In Polder 43/2C, work started in DS-7 since about 2 months, where a Chinese EHS officer was available at work site, although no local EHS Officer was found to be present.

- The workers have few PPE (like helmet, visible vest mainly, with few with hand gloves), lacking in safety boot and mask. A few workers will need supply and use of eye glasses.
- Some cautionary sign board/ signages found to be erected at and around the work site.
- The fencing was found to be poor and need improvement immediately.
- Supply of safe water to the workers was poor and need to improve the situation and there was no provision of first aid facility
- There is lack of provision of bins for collection of waste.
- There is lack of conducting regular tool box talking prior to start of work.
- Discussion was made with Contractor's personnel including the Chinese EHS Officer on the various requirements for improve the EHS standard ASAP. Discussion was also made with the workers on various issues related to EHS

Polder 47/2: Date: 25.03.2019

Drainage Sluice-1 and Drainage Sluice-2

The EHS situations in Drainage Sluice-1 and Drainage Sluice-2 are quite poor and similar in compliance level as found as follows:

- The workers have lacking of PPE at work site most have no safety shoe and mask
- There is lacking of medicine in the first aid box.
- The fencing of work site is inadequate
- The generator has been mounted on concrete surface to check any fuel spillage causing pollution of soil and ground water
- There is lacking of signboard and signage in and around the work site.
- Medicine supply to the first aid box is inadequate.

Discussion and training on improvement of EHS quality was provided to the Chinese EHS Officer (Mr. Xiao) and the local EHS Officer (Md. Heron), in presence of Polder manager (Mr. Wang). The following EHS issues were discussed:

- Proper fencing of work site
- Provision and use of PPE during work
- Provision of adequate signboards and signages
- Placement of electrical cable on overhead
- Placement of generator of generator on metallic/concrete surface
- Provision of bins for proper disposal of waste (proper segregation)
- Proper drainage facility for the work site

Discussion was made with the workers for enhancing awareness for improved EHS compliance.

Polder 48: Date of visit: 26.03.2019

Visited Drainage Sluice-1 (3Vent), CC block manufacturing site (manual) and Flushing Sluice-1
The general EHS compliance are,

- Work site fencing need improvement
- Safe bottled water supplied, need supplying more regularly
- There is first aid facility, need regular supply of required medicine
- Electrical cables need to be kept overhead
- PPE supplied, need further improvement for safety shoe and hand gloves
- There is hygienic latrine for the workers
- Generator has some spillage of fuel, need to be placed on hard stand.
- Sufficient bins to be supplied for proper waste collection.
- Tool box talks are carried out, need to held it daily, before start of work

Discussion with contractor's personnel including Chinese EHS Officer (Mr. Miqi) and Local EHS Officer (Mr. Zohirul Islam) carried out for improvement of the EHS compliance level immediately. Moreover, discussion with the workers was also done for motivating them for improved level of EHS compliance.

Polder 41/1: Date of visit: 26.03.2019

Visited the camp site, where Chinese and local project related personnel reside and some construction related materials are stored. The area is well protected and have sanitation facility, fire extinguishing facility, drainage facility has security guard at entrance and proper accommodation facility. However, the camp lacks proper waste collection and disposal facility. There is no disposal facility for organic waste, and the toilets lack proper door system.

There are fire extinguishers kept covered to check damage by sunshine/rain; the workers need to carry out practice on fire extinguishing frequently

The Contractor has been requested to take proper action of the poorly complied issues within specified agreed time limit.

Visited Drainage Sluice-5 (4 Vent) and observations are as follows:

- The work site has proper fencing around
- The workers have PPE in general, although there is lack of mask for them
- There are required signboards at diversion road, although the diversion road need to be further improved

- There is a temporary shed for the workers, where safe drinking water and first aid facilities are maintained
- The accident register is found updated
- The toilet roof damaged by recent high wind need to be repaired immediately (3 days' time)
- Tool box talks are held before the start of work, but they need to be carried out every day regularly

Polder 40/2: 27.03.2019

Visited Drainage Sluice-3 (1Vent) and the observations are as follows:

- The workers have PPE including helmet, visible vest, hand gloves, safety shoe, but lacks in ear plug
- Signboards with signages available in general although some more to be erected
- Drinking water and first aid medicine available at site, although some medicine need to be replenished regularly
- The existing fencing seems poor, need to improve immediately
- Tool box talks are held irregularly, need to be held every day before start of construction work
- Electrical cables to be kept overhead to avoid any accident
- Generator yet to be established, requested to establish the generator on concrete surface to avoid pollution through spillage
- The waste management is poor, need to take action for proper collection and disposal. A ditch to be opened for management of organic waste.

In addition, it was observed that the camp site of Polder 40/2 has no security fencing around it creating security vulnerability of workers and materials stored.

Discussion was made with the Contractor's personnel for improvement of above EHS issues within a short period and they agreed that they will improve the EHS compliance between 1-7 days period.

Discussion was also made with the workers to train and motivate them to maintain various EHS measures during work.

Polder 39/2C: Dated 27.03.2019

Visited Telikhali automated CC and Nadmulla CC automated CC plant and following are observation on EHS compliance level:

Telikhali Automated CC plant

- The area is well fenced and has adequate signboard/signages
- The work site has gate with guardsman for entrance and exit
- The generator causes some spillage of fuel, to be placed on hard surface to check spillage. The polluted soil to be removed immediately and disposed safely
- The workers have adequate PPE including helmet, hand gloved, high visible dress, ear plug and safety shoes
- There is adequate supply of safe drinking water and medicine in first aid box
- Waste collection need to be improved, separate bins to be provided for collection of different types of wastes, recyclable, non-recyclable, organic etc. and dispose accordingly
- The hoper side to be fenced to avoid any kind of accident
- The CC plant also need fencing around for workers' safety
- Materials stocking height need to be reduced for avoiding any accident.

Nadmulla Automated CC plant

- There is adequate supply of safe water and first aid facility
- The fuel and lubricants are kept in a closed room with concrete surface and having a Material Safety Data Sheet (MSDS)
- There is erection of various signboards including use of PPE, maximum speed limit etc.
- The welder has security like hand gloves, coloured glass etc. but the work site need coverage/roof
- There is fire extinguisher kept covered to check damage by sunshine/rain; the workers need to carry out practice on fire extinguishing frequently
- Some leakage of chemical observed at work site; the containers need to be taken to the hard stand areas immediately and the polluted soil need to be disposed properly/safely
- A fuel room found locked and could not be opened; the key should be always available and the Contractor should remain careful

ESH observations were recorded in the EHS registers maintained in the work sites. The Contractor/EHS personnel were asked to take all required step to improve the EHS qualities. They were also inquired on the time required for improving the EHS issues, which has also been recorded and they have been requested to comply the necessity within the recorded time and report accordingly.

This report of the field visit was shared with the Contractor, Package-2 with a request to improve the poorly complied EHS issues and start complying the non-complied EHS issues within a stipulated period.

3.4.9 Meetings

A meeting was arranged on 05 March, 2019 in DDCS&PMSC office for preparing the Bi-annual Environment Monitoring report for the period July to December, 2018, where the Environmentalists of DDCS&PMSC, Third Party M&E Consultant and PMU (Field) were present.

A meeting was arranged on 07 March, 2019 in DDCS&PMSC office for preparing responses of the WB comments on EIA reports of Package-3 Polders, where Environmental Specialists of PMU (field), CEGIS and DDCS&PMSC were present.

Several subsequent meetings have taken place in DDCS&PMSC office for preparation of Bi-annual Environmental monitoring report, preparing responses of the WB comments on various EHS – related reports, where the concerned Environmental Specialists were present.

3.4.10 Preparation of Bi-annual Environmental Monitoring Report

Preparation of various chapters on the Bi-annual reports were distributed among the 3 consultants (from DDCS&PMSC, Third Party M&E Consultant and PMU) to prepare and finalize the preparation of the report. After preparation of the Chapters they sat together to exchange required data/information. After the finalization the draft report was sent to Team Leader, 3rd party M&E Consultants for final editing of the report. The final report was submitted to PMU on 24.3.2019, which was shared with the World Bank on March 28, 2019.

3.4.11 Information on number of workers, number of training etc.

Information on number of workers (local and expatriate), number of environmental trainings (including the number of trainees), number of accidents took place etc. in Package-1 during the month of April, 2019 are provided in Table 3-49 below:

Table 3-49: Information for the month of April, 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	186	26	17	212	01	00	00	Minor accident treated with first aid facility
Polder 33	320	25	25	345	00	00	00	
Polder 35/1	368	38	32	406	02	00	00	Minor accidents, 1 treated with first aid facility and the treated in local clinic
Polder 35/3	185	14	15	199	01	00	00	Minor accident treated with first aid facility
Khulna	21	16	03	37	00	00	00	
Total of Package-1	1080	119	92	1199	04	00	00	

3.4.12 Noise Measurement of Automatic CC Plant

The contractor, Package-1 has made a test to evaluate the intensity of Noise Quality (dB) upon the sensitive receivers (CC plant operators' area, curing area, CC block stacking area, workers' living area, fuel storage area, rod cleaning area, drilling area etc.) around the different CC Block Manufacturing Plant as given below:

Table 3-50: Noise level of functional Pankhali CC Block Manufacturing Plant-1 area, Polder 32

Monitoring Location		Polder 32, Pankhali CC Block Manufacturing Plant Coordinates: N 22°64'36.70" E 89°52'22.66"
Monitoring Date & Time		08.03.2019 (Day time)
Noise Meter Model		Digital Sound Level Meter AR824
Major Noise source(s) during monitoring		Automatic CC Block Manufacturing Plant, Fork Lift, Motor Vehicles
Location category		Industrial area
Measurement Result(s), dB	Plant operator	115.3, 97.3, 88.5
	Curing area (start point)	85.2, 78.8, 72.8
	Curing area (end point)	80.5, 68.5, 62.6
	Stacking area	60.4, 56.2, 51.5
	Worker's living room	57.2, 45.4, 43.8
	Fuel storage area	66.8, 56.4, 52.5
Daytime Standard of sound, dB (ECR 1997)		50(residential area); 60(mixed area); 70(commercial area); 75(industrial area)

Table 3-51: Noise level of functional Tafalbari Automatic CC Block Manufacturing Plant, Polder 35/1

Monitoring Location		Polder 35/1, Tafalbari CC Block Manufacturing Plant Coordinates: N 22°16'21.03" E 89°50'20.47"
Monitoring Date & Time		17.03.2019 (Day time)
Noise Meter Model		Digital Sound Level Meter AR824
Major Noise source(s) during monitoring		Automatic CC Block Manufacturing Plant, Fork Lift, Motor Vehicles
Location category		Commercial area
Measurement Result(s), dB	Plant operator	114.8, 96.4, 84.6
	Curing area (Start point)	86.8, 76.7, 64.5
	Curing area (End point)	85.6, 67.2, 52.5
	Stacking area	76.5, 64.8, 58.4
	House no. 01	69.4, 55.6, 54.3
	Rod cleaning area	84.4, 77.4, 68.7
	Drilling area	79.8, 68.5, 55.4
Daytime Standard of sound ,dB (ECR 1997)		50(residential area); 60 (mixed area); 70(commercial area); 75 (industrial area)

Table 3-52: Noise level of Daratana Automatic CC Block Manufacturing Plant, Polder-35/3

Monitoring Location		Polder 35/3, Daratana CC Block Manufacturing Plant Coordinates: N 22°38'36.21" E 89°48'10.66"
Monitoring Date & Time		13.03.2019 (Day time)
Noise Meter Model		Digital Sound Level Meter AR824
Major Noise source(s) during monitoring		Automatic CC Block Manufacturing Plant, Fork Lift, Motor Vehicles
Location category		Commercial area
Measurement Result(s), dB	Plant operator	116.4, 97.4, 85.4
	Curing area (Start point)	88.2, 80.8, 67.5
	Curing area (End point)	76.8, 68.5, 67.5
	Stacking area	85.8, 66.4, 57.5
	House no. 01	84.4, 76.8, 70.6
	Rod cleaning area	76.6, 67.5, 61.5
	Drilling area	85.7, 74.3, 65.6
Daytime Standard of sound, dB (ECR 1997)		50(residential area); 60(mixed area); 70(commercial area); 75(industrial area)

3.4.13 Information of EHS related Issues of Package-2

The contractor has made a test to evaluate the intensity of Noise Quality (dB) upon the sensitive receivers around the different CC Block Manufacturing Plant/CC block yard as given below:

The contractor has made a test to evaluate the intensity of Noise Quality (dB) upon the sensitive receivers around the different CC Block Manufacturing Plant as given below:

Table 3-53: Information for the month of April 2019, Package-2

Locations	No. of Total Workers in 6 Polders this Month		No. of environmental training and 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	No. of trainings	No. of trainers				
Polder 39/2C	458	29	1	18	1	0	0	Minor to medium hand injury from cutting. Sent to Bhandaria clinic then to Barisal hospital for better treatment. 5 days of rest.
Polder 40/2	199	17	3	36	2	0	0	1 slight sprain of arm when stacking sandbags. 1 slight bruise from falling down. Both went to local clinic and got treated immediately.
Polder 41/1	248	16	4	41	2	0	0	1 minor leg injury treated with first aid facilities on site. 1 minor foot injury sent to a local clinic and got cured
Polder 43/2C	108	4						Preparing for recording environmental details.
Polder 47/2	202	14	2	34	1	0	0	1 minor finger injury during steel bar work. Sent to local clinic for treatment and got cured within 1 day
Polder 48	223	11	2	19	6	0	0	3 minor injuries on the leg, 2 minor injuries on the hand and 1 minor injury on the head. All sent to local clinic for treatment and got cured within 1 day

3.4.14 Polder-wise Information and noise measurement data of Polders of Package-2

The contractor has made a test to evaluate the intensity of Noise Quality (dB) upon the sensitive receivers' locations (Plant operator, CC block curing areas, CC block stacking areas, kitchen areas and workers' accommodation areas, fuel storage areas, rod cleaning areas etc.) around the different CC Block Manufacturing Plants of Polder-2 as given below as follows:

Table 3-54: Noise records for Polder 39/2C, April 2019

Monitoring Location: Nadmullah		Polder 39/2C - Camp Area, CC Block, Manufacturing plant & River Side
Monitoring Date		30-Mar-2019
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		CC block manufacturing plant, Generator.
Location category		Industrial area
Measurement results, dB	Operator of Automatic CC Block Machine 1 x-486822.98, y-501222.532	75.4 - 77.3 - 76.35
	Operator of Automatic CC Block Machine 2 x-486822.98, y-501225.528	73.8 - 76.4 - 75.1
	Area for Tray Replacement x-486835.47, y-50222.124	71.6 - 74.3 - 72.95
	Generator Room (Outside) x-486814.56, y-501221.42	87.2 - 87.8 - 87.5
	Generator Room (Inside) x-486814.56, y-501221.43	89.2 - 87.8 - 88.25
	CC Block Stack Area (5 M from Machine) x-486734.18, y-501289.32	68.3 - 73.5 - 70.9
	Workshop Area x-486732.74, y-501284.32	71.2 - 72.3 - 71.75
	Camp Area x-486715.108, y-502102.107	65.2 - 67.6 - 66.4
	Community (East) x-486513.74, y-502104.15	68.2 - 73.2 - 70.7
	Community (West) x-486789.23, y-502103.163	67.4 - 70.6 - 69
	River Side x-486899.756, y-501973.934	58.2 - 56.3 - 57.25
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area);70(commercial area);75(industrial area)

Table 3-55: Noise records for Polder 40/2, April 2019

Monitoring Location		Polder 40/2
Monitoring Date		31.03.2019(Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		industrial area
Measurement results, dB	Mixer	91 - 80 - 72.5 (497100.876, 434366.099)
	curing area (start point)	78.6 - 61.5 - 59.2 (497106.635 434368.626)
	curing area (end point)	74 - 50 - 61.4 (497090.418 434360.046)
	stacking area	80.2 - 65 - 64.2 (497126.491 434341.003)
	Generator house	89.6 - 84.6 (497000.16 434328.054)
	Kitchen	70.2 - 59.1 - 59.5 (497101.516 434323.099)
	House No.1	55 - 67 - 58.1 (497100.876 434366.099)
	House No.2	52.9 - 58.5 - 57.1 (497090.418 434360.046)
Daytime standard of sound, dB (ECR 1997)		50 (residential area); 60 (mixed area); 70 (commercial area); 75 (industrial area)

Table 3-56: Noise records for Polder 41/1, April 2019

Month: March		
Monitoring Location		Polder 41/1, CC Block yard
Monitoring Date		25.03.2019 (Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Industrial area
Measurement results, dB	Mixer N447291.788 E521447.84	120 - 110 - 88
	curing area (start point) N447318.086 E521433.608	79 - 87 - 74
	curing area (end point) N447305.458 E521446.412	83 - 76 - 70
	stacking area N447365.951 E521434.048	84 - 80 - 75
	Kitchen N447392.819 E52141.700	74.6 - 65.5 - 62
	House No.1 N447368.946 E521409.219	66 - 57 - 60
	House No.2 N447389.027 E521416.627	56 - 50 - 48
Daytime standard of sound, dB (ECR 1997)		50 (residential area);60(mixed area);70(commercial area);75(industrial area).

Table 3-57: Noise records for Polder 47/2, April 2019

Monitoring Location		Polder 47/2, CC Block yard
Monitoring Date		19.03.2019(Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Industrial area
Measurement results, dB	Mixer N423140.8130 E518585.0610	89.6 – 90.3 – 85.9
	curing area (start point) N423082.1580 E518565.5899	60.9 – 63.4 – 68.8
	curing area (end point) N423188.9492 E518591.5960	54.3 – 62.1 – 62.0
	stacking area N423116.8499 E518559.1663	57.4 – 60.2 – 65.3
	Kitchen N423202.3607 E518670.3063	67.8 – 57.9 – 58.1
	House No.1 N423214.5893 E518670.7678	65.3 – 60.1 – 62.5
Daytime standard of sound, dB (ECR 1997)		50 (residential area); 60(mixed area);70 (commercial area);75 (industrial area)

Table 3-58: Noise records for Polder 48, April 2019

Monitoring Location		Polder 48, CC block yard
Monitoring Date		25.03.2019 (Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Industrial area
Measurement results, dB	Mixer N416380.152 E512338.650	89, 95, 92
	curing area (start point) N416365.201 E512314.320	85, 81, 88
	curing area (end point) N416412.693 E512374.993	92, 87, 91
	stacking area N416410.630 E512390.085	78, 82, 75
	Kitchen N416375.098 E512307.765	79, 85, 81
	House No.1 N416359.302 E512310.137	51, 53, 48
	House No.2 N416365.201 E512327.038	42, 50, 51
	DS-1 N24198227 E202302	80, 83, 84
	DS-3/2 N2418573 E208745	85, 82, 83
	FS-1 N2419654 E200000	78, 85, 80
Daytime standard of sound, dB (ECR 1997)		50(residential area); 60 (mixed area);70 (commercial area);75 (industrial area)

3.4.15 Progress of Mechanical Work

About mechanical aspects the following activities were conducted:

Package-1 Repair work of bent shafts due to faulty fabrication by the contractor is going on along with installation of wall brackets and replacement of hand wheel in each regulator. Four shafts have been replaced by new shafts fabricated as per correct design. Remaining works are in progress.

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 and probable time for shipment of first lot is last week of March, 2019. It was decided to inspect and test the fabricated gates and hoist in China by one representative from PMU and one from consultant's office. But the office order for this is yet to be issued. As such, the gates and hoists could not be shipped from China to the site.

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 April, 2019. The Contract 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 the 10% advanced payment to the contractor.

Upon receipt of the first instalment 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.

3.5.2 Physical Progress (Mile Stone Matrix)

Table 3-59: Physical Works of Package-2 as on 30 April 2019

Item	Unit	Contract Quantity	Program FY 2018-2019		Prior Cumulative		Current Month		Current Cumulative	
			Full	Part	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed
Embankment Construction/e-sectioning	km	208.71	47.900	0.00	18.60 (8.89%)	12.52 (25.12%)	0.22	12.28 (25.12%)	18.82 (9.02%)	12.28 (25.12%)
Drainage Channel Excavation/Re-excavation	km	154.55 ¹	40.50	0.00	5.98 (3.19%)	-	6.90	-	11.676 (7.55%)	-
Drainage Sluice Construction	no	50	22	0	0	19 (49.25%)	0	19 (51.68%)	0	19 (51.68%)
Drainage Sluice Repair	no	6	5	0	0	1 (0.08%)	0	1 (0.08%)	0	1 (0.08%)
Flushing Inlet Construction	no	53 ²	17	0	0	15 (60.85%)	0	15 (63.15%)	0	15 (63.15%)
Flushing Inlet Repair	no	8	8	0	0	2 (0.13%)	0	2 (0.13%)	0	2 (0.13%)
Embankment Slope Protection Work	km	9.48	1.80	0.00	0.74 (7.78%)	0	0.00	0	0.74 (7.78%)	0
River Bank Protection Work	km	5.395	2.95	0.00	0.90 (20.36%)	0.00	0.36	0.00	1.26 (25.61%)	0.00
Construction of Road Pavement	Km	51.00	0	0.00	0	0	0	0	0	0
Construction of RCC Flood Wall	Km	17.00 ³	0	0.00	0	0	0	0	0	0
Closure Dam Construction	no	8	0	0	0	0	0	0	0	0

¹ The quantity has been adjusted as compare to the previous MPR based on the re-calculation. The value was 187.02.

² The quantity has been adjusted as compare to the previous MPR based on the re-calculation. The value was 73.

³ The actual contract quantity will be set to zero because RCC Flood Wall is not required and not also included in the Revised DPP.

Table 3-60: Detailed Information Polder Wise for Package-2

Summary of Construction DS & FS											
Package #	Polder No	Number of DS	100% Completed	Ongoing	Yet to Start	Sluice in operation.	Number of FS	100% Completed	Ongoing	Yet to Start	Sluice in Operation
2	39/2C	13	0	2	11	0	21	0	0	21	0
	40/2	9	0	3	6	0	3	0	3	0	0
	41/1	10	0	6	4	0	16	0	5	11	0
	43/2C	8	0	1	7	0	7	0	1	6	0
	47/2	4	0	4	0	0	3	0	3	0	0
	48	6	0	3	3	0	3	0	3	0	0
	Total		50	0	19	31	0	53	0	15	38

Summary of Repair DS & FS											
Package #	Polder No	Number of Repair DS	100% Completed	Ongoing	Yet to Start	Sluice in operation.	Number of Repair FS	100% Completed	Ongoing	Yet to Start	Sluice in Operation
Package-2	39/2C	0	0	0	0	0	0	0	0	0	0
	40/2	3	0	1	2	0	11	0	1	10	0
	41/1	0	0	0	0	0	10	0	1	9	0
	43/2C	0	0	0	0	0	7	0	0	0	0
	47/2	0	0	0	0	0	2	0	0	0	0
	48	3	0	0	3	0	0	0	0	0	0
	Total		6	0	1	5	0	30	0	2	19

Package No	Polder No	Bank Protection Work Summary			Slope Protection Work Summary			Drainage Channel Excavation Summary			
		Target Length (Km)	Completed Length (Km)	% Completed	Target Length (Km)	Completed Length (Km)	% Completed	Number of Canals	Target Length (Km)	Completed Length (Km)	% Completed
Package 2	39/2C	3.500	1.26	36.00%	4.00	0.00	0.00%	11	57.23	0.00	0.00%
Package 2	40/2	0.000	0.00	NA	1.14	0.00	0.00%	2	4.15	0.00	0.00%
Package 2	41/1	0.875	0.00	0.00%	0.00	0.00	NA	6	23.08	1.20	5.20%
Package 2	43/2C	0.500	0.00	0.00%	0.26	0.00	0.00%	8	28.20	0.00	0.00%
Package 2	47/2	0.520	0.00	0.00%	0.00	0.00	NA	4	9.17	8.58	93.55%
Package 2	48	0.000	0.00	NA	4.08	0.00	0.00%	9	32.72	1.90	5.81%
Package 2	Total	5.395	1.26	23.35%	9.48	0.00	0.00%	40	154.55	11.676	7.56%

Embankment Construction					
Package No	Polder No	Target Length (Km)	Completed Length (Km)	% Completed	Partly Completed Length (Km)
Package 2	39/2C	59.25	0.00	0.00%	0
Package 2	40/2	34.40	2.40	6.98%	3.2
Package 2	41/1	33.81	0.00	0.00%	7.73
Package 2	43/2C	25.70	0.00	0.00%	0.35
Package 2	47/2	17.55	16.20	92.30%	0.00
Package 2	48	38.00	0.22	0.58%	1
Package 2	Total	208.71	18.82	9.02%	12.28

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

Table 3-61: Detailed Information of Construction of Embankment for Package-2

#	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 April 30, 2019	Remarks
Package 2																		
Polder-39/2C																		
1	39/2C	Pirojpur & Jalukathi	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	1.400	0.000	1.400	Resectioning	No	Pourashava cc Road										Pourashava cc Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
2	40/2	Pathargata Mouza	1.700	1.400	3.100	Resectioning	Yes	Fund placed to DC	110,429									Program for next year.
3	40/2	Gohorpur	1.050	3.100	4.150	Resectioning	No	NA	57,701									Program for next year.
4	40/2	Gohorpur	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	0.100	5.850	5.950	Resectioning	No	NA	2,073									Embankment work will be done with FS-4/1 & near to completion.
6	40/2	Gohorpur	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	0.850	6.650	7.500	Resectioning	No	NA	18,943	2,500	0.00	0.85		0	13.20%	0.00%	12.14%	Work in Progress
8	40/2	Nijlathimara	1.500	7.500	9.000	Resectioning	No	NA	30,937									Program for next year
9	40/2	Tangra Mouza	1.500	9.000	10.500	Resectioning	No	NA	45,975	25,900	0.00	1.50		0	56.33%	0.00%	51.83%	Work in Progress
10	40/2	Gapbaria	1.500	10.500	12.000	Resectioning	No	NA	86,084									Program for next year
11	40/2	Tapalbaria	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	2.300	12.900	15.200	Resectioning	Yes	Fund placed to DC	205,022									Program for next year
13	40/2	Char donai Mouza	2.300	15.200	17.500	Resectioning	No	NA	222,985									Program for next year
14	40/2	Char donai Mouza	4.000	17.500	21.500	Resectioning	Yes	Fund placed to DC	321,808									Program for next year
15	40/2	Char donai Mouza	1.500	21.500	23.000	Resectioning	No	NA	45,963									Program for next year
16	40/2	Char donai Mouza	4.520	23.000	27.520	Resectioning	No	LGED Road										LGED Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
17	40/2	Hoglapasha	4.715	27.520	32.235	Resectioning	No	RHD Road										RHD Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
18	40/2	Hatempur & Boraitola	1.765	32.235	34.000	Resectioning	No	Pourashava Carpeting Road										Pourashava Paved Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
19	40/2	Pathargata Mouza	0.200	34.000	34.200	Resectioning	No	Pourashava cc Road										Pourashava cc Road. Work is under suspension as per letter no CEIP-1/S2/225 Dated 20.02. 2019 issued by the Project Director.
Total Polder-40/2			34.200						1,235,465	90,194	2.40	3.20	44,936	33,456				

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

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of April 30, 2019	Remarks
Polder-41/1																		
1	41/1	Ayla Patakata UP	2.250	0.000	2.250	Resectioning	No	N/A										Program for next year. Shop drawing is under process
2	41/1	Burir Char UP	0.750	2.250	3.000	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.
3	41/1	Burir Char UP	0.270	3.000	3.270	Resectioning	No	N/A										Program for next year. Shop drawing is under process
4	41/1	Burir Char UP	0.355	3.270	3.625	Retd	Yes	Taka Deposited to DC										Program for next year. Shop drawing is under process
5	41/1	Burir Char UP	1.425	3.625	5.050	Resectioning	No	N/A										Program for next year. Shop drawing is under process
6	41/1	Burir Char UP	0.220	5.050	5.270	Retd	Yes	Taka Deposited to DC										Program for next year. Shop drawing is under process
7	41/1	Burir Char UP	7.730	5.270	13.000	Resectioning	No	NA	188,475	100,000	0.00	7.730	0	53.06%	0.00%	48.81%	Work in Progress	
8	41/1	Burir Char UP	0.466	13.000	13.466	Resectioning	No	N/A	31,238									Program for next year.
9	41/1	Burir Char UP	0.227	13.466	13.693	Retd	Yes	Taka Deposited to DC	12,938									Program for next year.
10	41/1	Burir Char UP	0.307	13.693	14.000	Resectioning	No	N/A	15,663									Program for next year.
11	41/1	Burir Char UP	4.650	14.000	18.650	Resectioning	No	N/A	78,864									Program for next year.
12	41/1	Burir Char UP	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	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	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	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	100,000	0.00	7.73	0	33,456				
Polder-43/2C																		
1	43/2C	Suhari	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	0.826	0.074	0.900	Resectioning	Yes	Ministry of Land	31,612									Program for next year
3	43/2C	Bauria	0.350	0.900	1.250	Resectioning	Yes	Waiting for DLAC	10,725	7,000	0.00	0.350	0	65.27%	0.00%	60.05%	Work in Progress	
4	43/2C	Gabua	2.778	1.250	4.028	Resectioning	Yes	Waiting for DLAC	86,706	550	0.00	0.050	0	0.63%	0.00%		Work in Progress	
5	43/2C	Boro Gabua	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.
6	43/2C	Boro Gabua	0.946	4.904	5.850	Resectioning	Yes	Waiting for DLAC										Program for next year
7	43/2C	Boro Gabua	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.
8	43/2C	Golkhali	5.376	7.500	12.876	Resectioning	Yes	Ministry of Land										Program for next year
9	43/2C	East Golkhali	0.297	12.876	13.173	Retd	Yes	Notice Section-4 Served										Program for next year
10	43/2C	East Golkhali	0.165	13.173	13.338	Resectioning	Yes	Notice Section-4 Served										Program for next year
11	43/2C	East Golkhali	0.577	13.338	13.915	Retd	Yes	Notice Section-4 Served										Program for next year
12	43/2C	East Golkhali & Badar pur	3.855	13.915	17.770	Resectioning	Yes	Notice Section-4 Served										Program for next year
13		Kalirchar	0.330	17.770	18.100	Resectioning	Yes	Ministry of Land										Program for next year
14		Suharinij Char	3.750	18.100	21.850	Resectioning	Yes	Proposal under Preparation										Program for next year
15	43/2C	Suharinij Char	1.310	21.850	23.160	Resectioning	Yes	Ministry of Land										Program for next year
16	43/2C	Suhari	1.990	23.160	25.150	Resectioning	Yes	Waiting for DLAC										Program for next year
17	43/2C	Suhari	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						131,075	7,550	-	0	-	-				

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

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of April 30, 2019	Remarks	
Polder-47/2																			
1	47/2	Piarpur	2.000	0.000	2.000	Resectioning	No	NA	9,178	9,178	2.00	0.000	14278	12061	100.00%	84.47%	98.76%	Work completed	
2	47/2	Piarpur	0.613	2.000	2.613	Retd	Yes	Estimate is under preparation	21,051										Program for next Year
3	47/2	Piarpur	1.558	2.613	4.171	Resectioning	No	NA	25,455	25,455	1.56	0.000	31631	26660	100.00%	84.28%	98.74%	Work completed	
4	47/2	Kichikata	2.000	4.171	6.171	Resectioning	No	NA	19,573	17,616	1.83	0.000	24589	20700	90.00%	84.18%	89.54%	Work completed	
5	47/2	Kichikata	0.518	6.171	6.689	Retd	Yes	Estimate is under preparation	16,397										Program for next year
6	47/2	Kichikata	0.561	6.689	7.250	Resectioning	No	NA	13,971	12,547	0.56	0.000	41230	35001	89.81%	84.89%	89.41%	Work completed	
7	47/2	Thankhola	10.250	7.250	17.500	Resectioning	No	NA	65,496	58,946	10.25	0.000	102511	86500	90.00%	84.38%	89.55%	Work completed	
Total Polder-47/2			17.500						171,121	123,742	16.20	0.00	214,239	180,922					
Polder-48																			
1	48	Khajura	0.534	0.000	0.534	Resectioning	No	NA	11,475										Program for next year.
2	48	Tolatali, Chapali & Char Chapli	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	0.366	16.134	16.500	Resectioning	No	NA	10,368	7,500	0.00	0.366		0	72.34%	0.00%	66.55%	Work in Progress	
4	48	Ashakhali	0.634	16.500	17.134	Resectioning	No	NA	110,023	32,000	0.00	0.634		0	29.08%	0.00%	26.76%	Work in Progress	
5	48	Ashakhali	12.316	17.134	29.450	Resectioning	No	NA	1,344,805										Program for next year
6	48	Kuakata Beach	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	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	3.850	30.455	34.305	Resectioning	No	NA	199,601										Program for next year
9	48	Do	0.220	34.305	34.525	Resectioning	No	NA	25,871	29,000	0.22			0	112.09%	0.00%	103.13%	Work in Progress	
10	48	Khajura	3.475	34.525	38.000	Resectioning	No	NA	273,065										Program for next year
Total Polder-48			38.000						2,014,665	68,500	0.220	1.000	-						
Grand Total of Package-2			208.03						5829620.70	389986.00	18.82	12.28	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 3-62: Detailed Information of Construction of Drainage Channel for Package-2

#	Polder	Name of Khal	Length (Km)	Completed Length (km)	Required Quantity (Cum)	Achieved Quantity (Cum)	Status as of April 30, 2019	Remarks
Package 2								
1	39/2C	Chokeydev Khal	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	20.00	0.000	102282.25		0%	Do
3	39/2C	Bakshi Khal Br. 2	3.00	0.000	15519.98		0%	Do
4	39/2C	Dasher Khal	3.75	0.000	19399.97		0%	Do
5	39/2C	Juniher Khal	3.00	0.000	15519.98		0%	Do
6	39/2C	Teli Khali Khal	4.50	0.000	23279.97		0%	Do
7	39/2C	Chakluia Khal	5.50	0.000	28453.29		0%	Do
8	39/2C	Hetalia Khal	3.50	0.000	18106.64		0%	Do
9	39/2C	Nodmollar Khal	4.00	0.000	20693.30		0%	Do
10	39/2C	Dagrey Khal	2.00	0.000	10346.65		0%	Do
11	39/2C	Bauner Khal	2.48	0.000	12829.85		0%	Do
12	40/2	Mutainer Khal	2.40	0.000	42571.38		0%	Program for next year
13	40/2	Keoratala Khal	1.75	0.000	32612.25		0%	Program for next year
14	41/1	Lobongla Khal	4.073	0.000	14393.64		0%	Next year program
15	41/1	Chamalar Khal	1.254	0.400	3804.515	8,000.00	32%	Work in Progress
16	41/1	Burirchar Khal	6.930	0.000	38439.50		0%	Next year program
17	41/1	Lobongla Khal Br. 1	4.390	0.000	161561.13		0%	Next year program
18	41/1	Napit Khali Khal	1.768	0.800	10551.75	11,000.00	45%	Work in Progress
19	41/1	Choto Lobongla Khal	4.667	0.000	15440.15		0%	Next year program
20	43/2C	Chadkokai Khal	2.540	0.000			0%	Proposed DS have still not completed for which the connecting diversion channel has not yet been taken up.
21	43/2C	Jamaluddin Khal	3.961	0.000	13549.81		0%	Do
22	43/2C	Mushir Khal - 01	6.793	0.000	29157.81		0%	Do
23	43/2C	Mushir Khal	2.448	0.000	1029.10		0%	Do
24	43/2C	Pollar Khal	2.338	0.000	8575.83		0%	Do
25	43/2C	Rishir Khal	1.966	0.000	5145.50		0%	Do
26	43/2C	Taltola Khal	2.484	0.000	8,747.34		0%	Work in Progress
27	43/2C	Golkhali Khal	5.669	0.000	20,736.35		0%	Next year program
28	47/2	Eidkhola Khal	0.676	0.676	8,019.00	8,000.00	100%	Completed
29	47/2	Kichikata Khal	1.700	1.700	13,607.00	12,925.00	100%	Work in Progress
30	47/2	Dhankhola Khal	4.791	4.200	53,943.00	45,850.00	88%	Work in Progress
31	47/2	Piarpur Khal	2.000	2.000	29,714.00	28,228.00	100%	Completed
32	48	Khanjurpara Khal	7.465	0.000	95,332.88		0%	Land Problem
33	48	Matiranga Khal	1.925	0.000	9,748.59		0%	Next year program
34	48	Loxir Khal	7.000	0.000	2,420.00		0%	Next year program
35	48	Nayapara Khal - 1	4.057	0.000	42,061.25		0%	Next year program
36	48	Tolatali Khal	5.723	0.000	54,469.25		0%	Next year program
37	48	Charchapali Khal	2.472	1.800	26,483.00	19,283.00	73%	Work in Progress
38	48	Kauarchar Khal	1.000	0.000	7,818.25		0%	Next year program
39	48	Kalaipara Khal	0.350	0.100	9,547.58	3,000.00	29%	Work in Progress
40	48	Goramkhula Khal	2.726	0.000	30,376.72		0%	Next year program
		Total	154.55	11.676	1,084,741.740	136,286.000		

Table 3-63: Detailed Information of Construction Status of Drainage Sluice for Package-2

#	Type of HS	Sluice Name	Polder	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation block placing - Gate	Weighted % progress (April 30 2019)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Drainage Sluice												
1	DS	DS-1	39/2C					0.00%	Y	Taka Deposited to DC		Due to land problem work not yet started
2	DS	DS-2	39/2C					0.00%	Y	do		Due to land problem work not yet started
3	DS	DS-3	39/2C					0.00%	Y	do		Due to land problem work not yet started
4	DS	DS-4	39/2C					0.00%	Y	do		Due to land problem work not yet started
5	DS	DS-5	39/2C					0.00%	Y	do		Due to land problem work not yet started
6	DS	DS-6	39/2C					0.00%	Y	do		Due to land problem work not yet started
7	DS	DS-7	39/2C	100%	100%	65%		65.75%	N	NA		Work in progress
8	DS	DS-8	39/2C					0.00%	Y	Taka Deposited to DC		Due to land problem work not yet started
9	DS	DS-9	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
10	DS	DS-10	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
11	DS	DS-11	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
12	DS	DS-12	39/2C	100%	100%	99%		84.45%	N	NA		Work stopped from July, 2018
13	DS	DS-13	39/2C					0.00%	Y	Taka Deposited to DC		Land problem issue has not yet been resolved
14	DS	DS-2	40/2	100%	100%	99%		84.45%	N	NA		Work in progress
15	DS	DS-3	40/2	100%	100%	65%		65.75%	N	NA		Work in progress
16	DS	DS-5	40/2	100%	100%	45%		54.75%	N	NA		Work in progress
17	DS	DS-7	40/2					0.00%	Y			Resettlement issue has not yet been resolved
18	DS	DS-7A	40/2					0.00%	Y			Resettlement issue has not yet been resolved
19	DS	DS-8	40/2					0.00%	Y	Court case		Due to court case work not yet started
20	DS	DS-9	40/2					0.00%	N	NA		Program for next year.
21	DS	DS-10	40/2					0.00%	N	NA		Program for next year.
22	DS	DS-10A	40/2					0.00%	Y	Court case		Due to court case work not yet started
23	DS	DS-1	41/1	100%	100%	25%		43.75%	N	NA		Work in progress
24	DS	DS-2	41/1					0.00%	Y			Resettlement issue has not yet been resolved
25	DS	DS-3	41/1					0.00%	Y			Resettlement issue has not yet been resolved
26	DS	DS-4	41/1					0.00%	Y			Resettlement issue has not yet been resolved
27	DS	DS-5	41/1	100%	100%	92%		80.60%	N	NA		Work in progress
28	DS	DS-6	41/1	100%	100%	77%		72.35%	N	NA		Work in progress
29	DS	DS-7	41/1	100%	100%	55%		60.25%	N	NA		Work in progress
30	DS	DS-8	41/1	100%	100%	77%		72.35%	N	NA		Work in progress
31	DS	DS-9	41/1	100%	100%	64%		65.20%	N	NA		Work in progress
32	DS	DS-10	41/1					0.00%	N	NA		Program for next year.
33	DS	DS-1	43/2C					0.00%	N	NA		Program for next dry season
34	DS	DS-2	43/2C					0.00%	Y	Ministry of Land		Land problem issue has not yet been resolved
35	DS	DS-3	43/2C					0.00%	N	NA		Program for next year.
36	DS	DS-4	43/2C					0.00%	N	NA		Program for next dry season
37	DS	DS-5	43/2C					0.00%	N	NA		Program for next dry season
38	DS	DS-6	43/2C					0.00%	Y	Ministry of Land		Land & Resettlement issue has not yet been resolved
39	DS	DS-7	43/2C	100%	100%	60%		63.00%	N	NA		Work in progress
40	DS	DS-8	43/2C					0.00%	N	NA		Program for next
41	DS	DS-1	47/2	100%	100%	80%		74.00%	N	NA		Work in progress
42	DS	DS-2	47/2	100%	100%	80%		74.00%	N	NA		Work in progress
43	DS	DS-3	47/2	100%	100%	80%		74.00%	N	NA		Work in progress
44	DS	DS-4	47/2	100%	100%	80%		74.00%	N	NA		Work in progress
45	DS	DS-1	48	100%	100%	99%		84.45%	N	NA		Work in progress
46	DS	DS-2/A	48					0.00%	Y			Resettlement issue has not yet been resolved
47	DS	DS-3/2	48	100%	100%	90%		79.50%	N	NA		Work in progress
48	DS	DS-3/3	48					0.00%	Y			Resettlement issue has not yet been resolved
49	DS	DS-3/4	48	100%	100%	99%		84.45%	N	NA		Work in progress
50	DS	DS-6	48					0.00%	Y	Waiting for DLAC		Land problem issue has not yet been resolved

Table 3-64: Detailed Information of Construction Status of Flushing Sluice for Package-2

#	Type of HS	Sluice Name	Polder	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation block placing - Gate	Weighted % progress (April 30 2019)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Flushing Sluice												
1	FS	FS-1	39/2C					0.00%	Y	Taka Deposited to DC		Land problem issue has not yet been resolved
2	FS	FS-2	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
3	FS	FS-2/1	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
4	FS	FS-3	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
5	FS	FS-5	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
6	FS	FS-6	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
7	FS	FS-6/1	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
8	FS	FS-6/2	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
9	FS	FS-7	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
10	FS	FS-8	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
11	FS	FS-9	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
12	FS	FS-10	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
13	FS	FS-11	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
14	FS	FS-12	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
15	FS	FS-13	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
16	FS	FS-14	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
17	FS	FS-14/1	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
18	FS	FS-15	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
19	FS	FS-16	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
20	FS	FS-17	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
21	FS	FS-17/1	39/2C					0.00%	Y	do		Land problem issue has not yet been resolved
22	FS	FS-4/1	40/2	100%	100%	99%		84.45%	N	NA		Work in progress
23	FS	FS-9	40/2	100%	100%	25%		43.75%	N	NA		Work in progress
24	FS	FS-10	40/2	100%	100%	70%		68.50%	N	NA		Work in progress
25		FS-13	40/2					0.00%	N	NA		Recommended for demolished
26	FS	FS-1	41/1	100%	100%	77%		72.35%	N	NA		Work in progress
27	FS	FS-3	41/1	100%	100%	77%		72.35%	N	NA		Work in progress
28	FS	FS-6	41/1					0.00%	Y			Resettlement issue has not yet been resolved
29	FS	FS-7	41/1					0.00%	Y			Resettlement issue has not yet been resolved
30	FS	FS-8	41/1	100%	100%	99%	25%	88.20%	N	NA		Work in progress
31	FS	FS-9	41/1	100%	100%	99%	50%	91.95%	N	NA		Work in progress
32	FS	FS-10	41/1					0.00%	N	NA		DS-7 is to be construction instead of FS-10.
33	FS	FS-15	41/1	100%	100%	99%	25%	88.20%	N	NA		Work in progress
34	FS	FS-21	41/1					0.00%	Y			Re-Settlement problem
35	FS	FS-22	41/1					0.00%	Y			Re-Settlement problem
36	FS	FS-23	41/1					0.00%	Y			Re-Settlement problem
37	FS	FS-24	41/1					0.00%	Y			Re-Settlement problem
38	FS	FS-25	41/1					0.00%	Y			Re-Settlement problem
39	FS	FS-26	41/1					0.00%	Y			Program for next dry season
40	FS	FS-27	41/1					0.00%	Y			Program for next dry season
41	FS	FS-28	41/1					0.00%	Y			Re-Settlement problem
42	FS	FS-1	43/2C					0.00%	N	NA		Program for next dry season
43	FS	FS-1A	43/2C	10%				1.00%	Y			Work started but stopped due to land problem
44	FS	FS-8	43/2C					0.00%	Y	Notice Section-4 Served		Land problem issue has not yet been resolved
45	FS	FS-10	43/2C					0.00%	Y	Ministry of Land		Land problem issue has not yet been resolved
46	FS	FS-12	43/2C					0.00%	Y	do		Land problem issue has not yet been resolved
47	FS	FS-13	43/2C					0.00%	N	NA		Program for next year
48	FS	FS-18	43/2C					0.00%	Y	Ministry of Land		Land problem issue has not yet been resolved
49	FS	FS-1	47/2	100%	100%	99%		84.45%				Work stopped from July, 2018
50	FS	FS-6	47/2	100%	100%	99%		84.45%	N	NA		Work in progress
51	FS	FS-7	47/2	100%	100%	99%		84.45%	N	NA		Work in progress
52	FS	FS-1	48	100%	100%	70%		68.50%	N	NA		Work in progress
53	FS	FS-3	48	100%	100%	99%		84.45%	N	NA		Work in progress
54	FS	FS-4	48	100%	100%	99%		84.45%	N	NA		Work in progress

Table 3-65: Detailed Information of Repair of Drainage & Flushing Sluice for Package-2

#	Type of HS	Sluice Name	Polder	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation block placing - Gate	Weighted % progress (April 19)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
Repair of Drainage Sluices												
1	DS	DS-1	40/2					0.00%	N	NA		Work in progress
2	DS	DS-4	40/2					0.00%	N	NA		Work in progress
3	DS	DS-6	40/2	5%				0.50%	N	NA		Cofferdam excavation work is in progress
4	DS	DS-3/1	48					0.00%	N	NA		Work in progress
5	DS	DS-4	48					0.00%	N	NA		Resettlement issue has not yet been resolved
6	DS	DS-5	48					0.00%	N	NA		Work in progress
Repair of Flushing Sluice												
1	FS	FS-1	40/2					0.00%	N	NA		
2	FS	FS-2	40/2					0.00%	N	NA		Next year program
3	FS	FS-4	40/2					0.00%				Next year program
4	FS	FS-6	40/2					0.00%	N	NA		Shop drawing is under process of approval
5	FS	FS-6/1	40/2					0.00%				Next year program
6	FS	FS-14	40/2					0.00%	N	NA		Shop drawing is under process of approval
7	FS	FS-16	40/2					0.00%				Next year program
8	FS	FS-18	40/2					0.00%	N	NA		Shop drawing is under process of approval
9	FS	FS-19	40/2	5%				0.50%	N	NA		Work in progress
10	FS	FS-20	40/2					0.00%				Next year program
11	FS	FS-22	40/2					0.00%				Next year program
12	FS	FS-2	41/1	100%	100%	100%	50%	92.50%	N	NA		Work in progress
13	FS	FS-4	41/1					0.00%				Next year program
14	FS	FS-5	41/1					0.00%				Next year program
15	FS	FS-11	41/1					0.00%				Next year program
16	FS	FS-13	41/1					0.00%				Next year program
17	FS	FS-16	41/1					0.00%				Next year program
18	FS	FS-18	41/1					0.00%	N	NA		Shop drawing is under process of approval
19	FS	FS-19	41/1					0.00%	N	NA		Shop drawing is under process of approval
20	FS	FS-30	41/1					0.00%				Next year program
21	FS	FS-29	41/1					0.00%	N	NA		Next year program
22	FS	FS-2	43/2C					0.00%				Next year program
23	FS	FS-6	43/2C					0.00%				Next year program
24	FS	FS-7	43/2C					0.00%				Next year program
25	FS	FS-9	43/2C					0.00%				Next year program
26	FS	FS-14	43/2C					0.00%				Next year program
27	FS	FS-15	43/2C					0.00%				Next year program
28	FS	FS-16	43/2C					0.00%				Next year program
29	FS	FS-2	47/2					0.00%				Next year program
30	FS	FS-4	47/2					0.00%				Next year program

Table 3-66: Detailed Information Slope Protection Work for Package-2

#	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 April 30, 2019	Remarks
Package 2							3%	77%	9%	11%			
1	39/2C	4.000	24.000	51.000	Y	Taka Deposited to DC					0.000	0%	Embankment Construction not done
2	40/2	0.400	1.240	1.640	Y	Fund placed to DC					0.000	0%	Embankment Construction not done
3	40/2	0.129	12.871	13.000	Y	Fund placed to DC					0.000	0%	Embankment Construction not done
4	40/2	0.393	13.184	13.577	Y	Fund placed to DC	100%	53%			0.000	44%	Work in progress
5	40/2	0.215	13.745	13.960	Y	Fund placed to DC					0.000	0%	Embankment Construction not done
6	43/2C	0.078	19.885	19.963	Y	Proposal under Preparation					0.000	0%	Embankment Construction not done
7	43/2C	0.090	19.680	19.770	Y	Proposal under Preparation					0.000	0%	Embankment Construction not done
8	43/2C	0.093	19.460	19.553	Y	Proposal under Preparation					0.000	0%	Embankment Construction not done
9	48	0.472	30.800	31.272	N	NA					0.000	0%	Embankment Construction not done
10	48	0.089	31.272	31.361	N	NA					0.000	0%	Embankment Construction not done
11	48	0.727	31.361	32.088	N	NA					0.000	0%	Embankment Construction not done
12	48	2.289	32.088	34.377	N	NA					0.000	0%	Embankment Construction not done
13	48	0.501	34.377	34.878	N	NA	100%	73%			0.000	59%	Work in progress
Total		9.476									0.000	7.92%	

Table 3-67: Detailed Information Bank Protection Work for Package-2

#	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 April 30, 2019	Remarks
Package 2					3%	85%	9%	3%			
1	39/2C	1.000	42.600	43.600	100%	65%	0%		0.210	58%	Work in progress
2	39/2C	2.500	51.500	54.000	100%	48%	30%		1.050	47%	Work in progress
3	41/1	0.300	3.300	3.600					0.000	0%	Next year program
4	41/1	0.175	5.050	5.225					0.000	0%	Next year program
5	41/1	0.400	13.250	13.650	100%	31%			0.000	29%	Work in progress
6	43/2C	0.500	13.420	13.920					0.000	0%	Next year program
7	47/2	0.520	6.170	6.690	100%	32%			0.000	30%	Work in progress
Total		5.395							1.260	23.35%	

Table 3-68: 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 (April 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

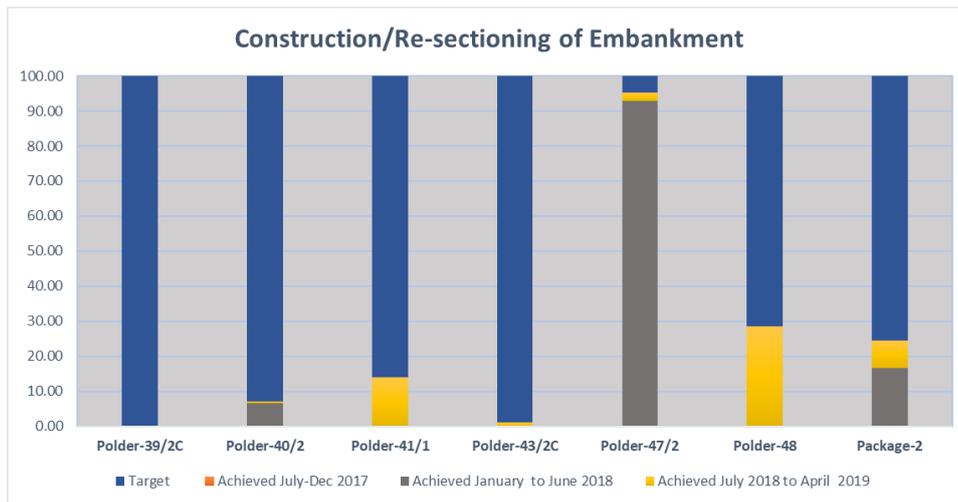


Figure 3-55: Construction / Re-sectioning of Embankment of Package-2

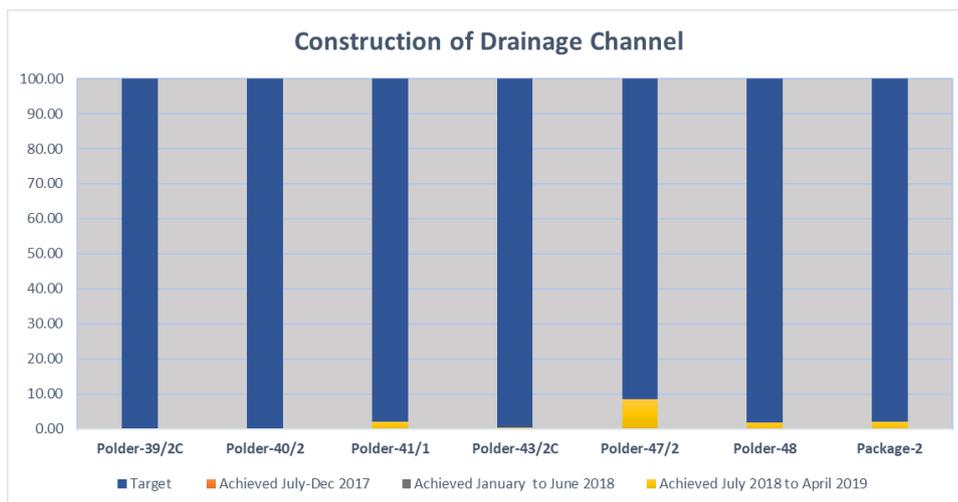


Figure 3-56: Construction of Drainage Channel of Package-2

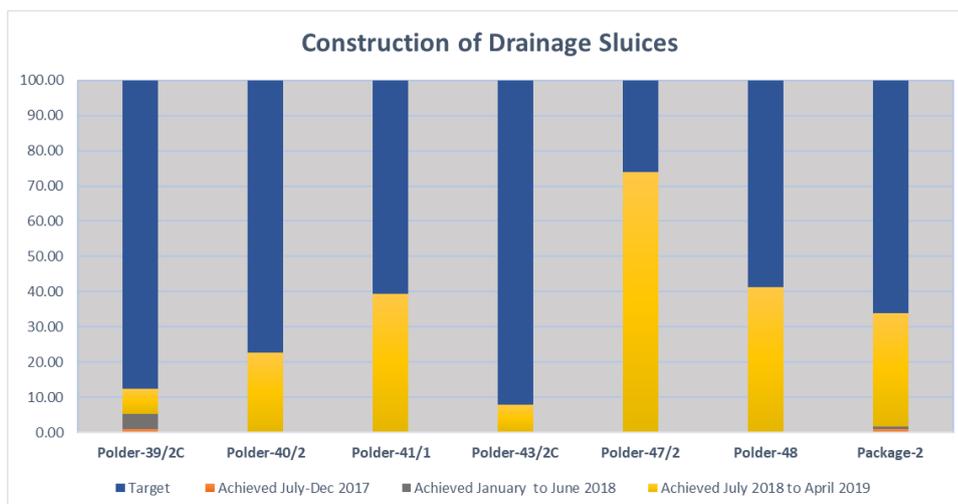


Figure 3-57: Construction of Drainage Sluice of Package-2

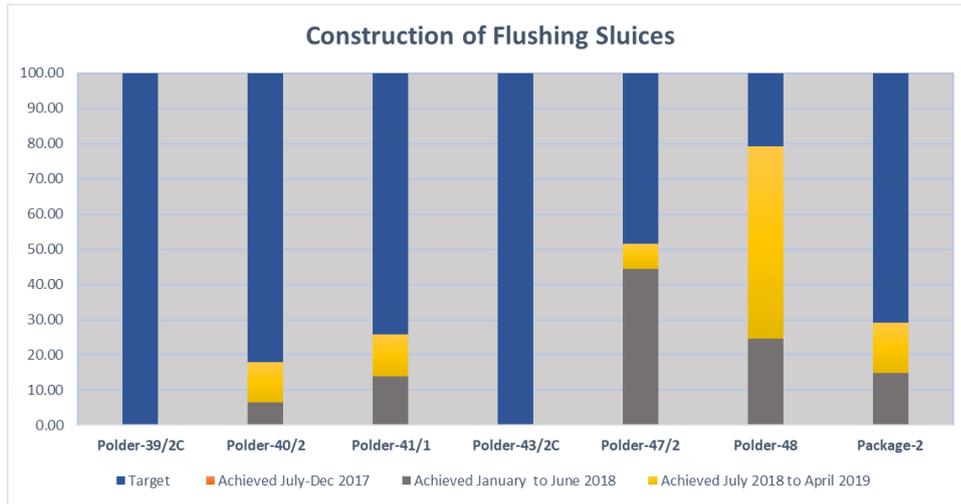


Figure 3-58: Construction of Flushing Sluice of Package-2

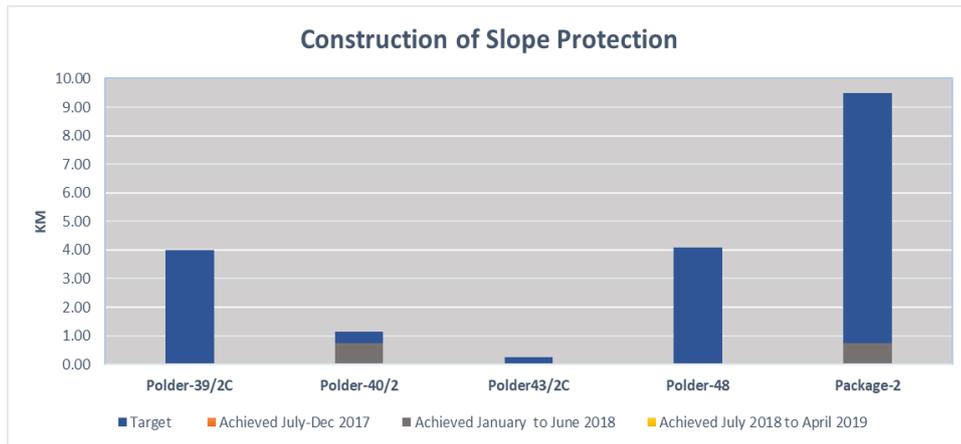


Figure 3-59: Construction of Slope Protection of Package-2

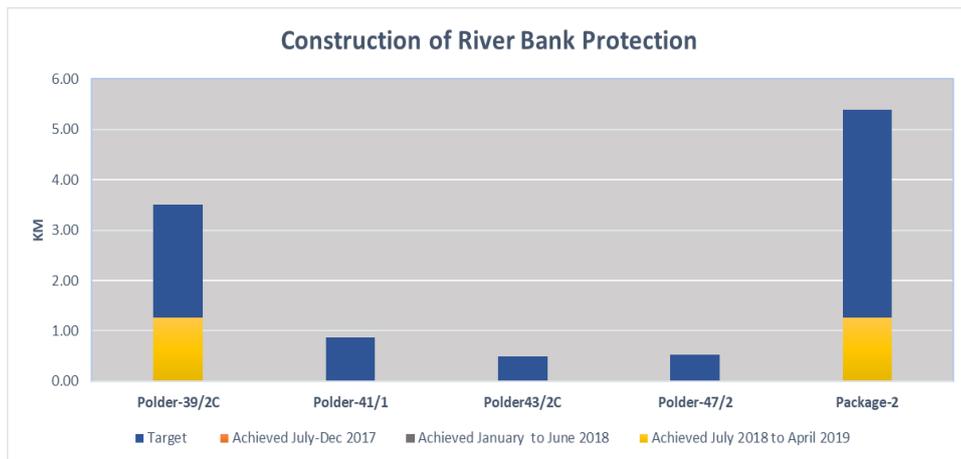


Figure 3-60: Construction of River Bank Protection of Package-2

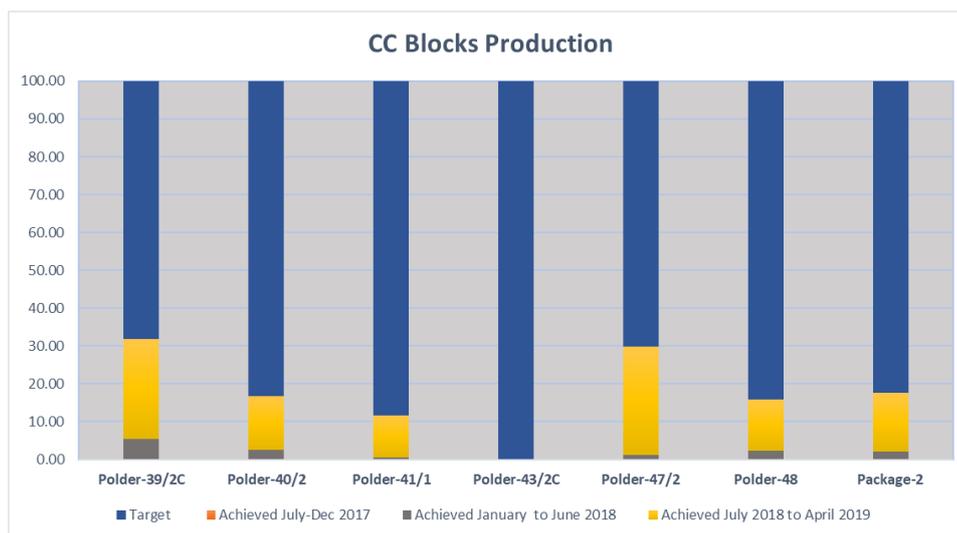


Figure 3-61: CC Blocks Production of Package-2

Table 3-69: Progress of Package-2 as on April 2019

Item	Unit	Contract Quantity	Status 30 April 2019
Construction/Re-sectioning of Embankment	Km	208.71	18.82 (F) 12.28 (P)
Excavation/Re-excavation of Drainage Channel	Km	154.55	11.676 (F)
Construction of Drainage Sluice	No	50	19 (P)
Repairing of Drainage Sluice	No	6	1 (P)
Construction of Flushing Sluice	No	53	15 (P)
Repairing of Flushing Sluice	No	8	2 (P)
Embankment Slope Protection Works (Km)	Km	9.48	0.74
River Bank Protection Works (Km)	Km	5.395	1.26
Construction of Road Pavement over Embankment and Road Crossing Embankment	Km	51.00	-
Construction of RCC Flood Wall	Km	17.00	-
Construction of Closure-Dam	No	8	-

Table 3-70: CC Blocks Production as on April 2019

S.N.	Polder Number	Estimated Quantity	Cumulative Total as of 31 Dec 2017	Cumulative Total as of 31 March 2019	Production during April 2019					Cumulative Total as of 30 April 2019
					40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	Total (No)	
1	39/2C	7,598,926	0	2,205,276	207,204	0	0	0	207,204	2,412,480
2	40/2	530,130	0	85,633	0	1,065	2,191	510	3,766	89,399
3	41/1	1,153,937	0	123,160	8,938	0	2,650	0	11,588	134,748
4	43/2C	789,700	0	0	846	0	488	0	1,334	1,334
5	47/2	481,717	0	107,698	31,878	0	3,020	0	34,898	142,596
6	48	867,351	0	109,638	513	0	0	26312	26,825	136,463
	Total =	11,421,761	0	2,631,405	249,379	1,065	8,349	26,822	285,615	2,917,020

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.

Contractor of Package-2 has mobilized its Chinese engineers and supporting personnel and its local labour force and this will be increasing onward. Shipment of heavy equipment at all sites from China has mainly been done. The deployment list of contractor staff (Chinese People) is appended below in Table 3-71. The Contractor has established their site offices at Bhandaria, Kalapara, Barguna, Patharghata and their field head quarter at Patuakhali.

Table 3-71: 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	0	0	0	0	0	0	0	0	0
2	Technical Staff	143	0	3	35	10	31	13	24	27
3	Admin/Support	44	6	6	8	5	6	3	5	5
4	Operator/Driver	177	2	3	75	19	29	10	16	23
5	Skilled Labour	312	0	0	4	62	42	11	128	65
6	Unskilled Labour	992	5	8	306	155	253	69	71	125
Total=		1668	13	20	428	251	361	106	244	245

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-47/2, & Polder-48.

A length of 18.82 km full and 12.28 km Partially Embankment Re-sectioning work has been completed.

Construction of 15 Nos. Flushing Sluices and 19 Nos. Drainage Sluices are in Progress.

Table 3-72: Mobilisation List of Equipment for Package-2

S/N	Description	Sub-Total	39/2C	40/2	41/1	43/2C	47/2	48	Remarks
1	2	5	6	7	8	9	10	11	12
1	Bulldozer	7	-	1	2	1	2	1	
2	Excavator	53	4	6	29	2	6	6	Partially belongs to Sub-contractor
3	Loader	21	10	3	2	1	2	3	
4	Compaction Roller	4	1	1	1		1		
5	Water Tanker	5	1	1	1		1	1	
6	Fork Lift	65	61		2			2	
7	Dump Truck	78	15	16	12	2	9	23	
8	Pick Up	3	2		1				
9	Light Truck	3	1		-		1	1	
10	Flat Truck	11	4	1	3		1	2	
11	Crane Truck	3	-		1		1	1	

S/N	Description	Sub-Total	39/2C	40/2	41/1	43/2C	47/2	48	Remarks
1	2	5	6	7	8	9	10	11	12
12	Lorry-Mounted Crane	1	1		-				
13	Diesel Tanker	4	1		1		1	1	
14	Hydraulic Breaking Hammer	3	1		1		1		
15	Pile Driver Clamps	9	2	1	2		2	2	
16	Pile Driver	6	2		4				
17	Belt Conveyor	8	6		-		1	1	
18	CC Block Manufacturing Machine	5	5		-				
19	Concrete Transportation Pump	4	2		-			2	
20	Concrete Mixing Plant	1	-		-			1	
21	Concrete Mixer	37	7	3	8		7	12	
22	Steel Bar Bending Machine	5	1	1	1		1	1	
23	Steel Bar Cutting Machine	2	1		1				
24	Boat	3	2		1				
25	Tugboat	2	2		-				
26	Barge	4	-		-		2	2	
27	Motorcycle	4	2		1			1	
28	Generator	38	16	3	8		6	5	
29	Air Compressor	7	1	1	1		2	2	
30	Level Machine	9	3	1	2		1	2	
31	GPS	4	1		1	1	1		
32	Total Station	1	1						
33	Deep Water Measuring Instrument	48	-	12	1		26	9	
34	Submersible Pump	128	19	16	32	27	25	9	
35	Slush Pump	59	24	3	6		15	11	
36	Fresh Water Pump	89	30	3	7		2	47	
37	Self-Priming Pump	11	11						
38	Single-Cylinder Diesel Engine Pump	16	-		8		4	4	
39	Business Car	4	1	1	1	-	-	1	
Total=		765	241	74	141	35	121	153	



Figure 3-62: Loading The CC Block For River Protection Works of Polder-39/2C



Figure 3-63: CC Blocks dumping for river bank protection work in Polder 39/2C



Figure 3-64: Pouring the Lean Concrete For DS-7 of Polder-39/2C



Figure 3-65: Drilling the Dewatering Bore Hole For DS-5 of Polder-40/2



Figure 3-66: Executing the Sand Pile For DS-5 of Polder-40/2



Figure 3-67: Fixing the Deformed Bar For FS-10 of Polder-40/2



Figure 3-68: Executing the Sand Pile for DS-7 of Polder-41/1



Figure 3-69: Pouring the RCC Box Base Slab For DS-9 of Polder-41



Figure 3-70: Pouring the RCC Wall for FS-1 of Polder-41/1



Figure 3-71: Pouring the RCC Base Slab For DS-6 of Polder-41/1



Figure 3-72: Establishing the LC form for DS-7 of Polder-43/2C



Figure 3-73: Establishing the Form for RCC Wall for DS-3 of Polder-47/2



Figure 3-74: Construction of EMB Near K34+600 of Polder-48



Figure 3-75: Excavating the Drainage Channel Near DS-3-4 of Polder-47/2

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 partially completed for the first dry season 2017-2018 along the alignment of BWDB's acquired Land.

Program for May 2019

Polder-39/2C:

CC block manufacturing yard 1: (A) at Nazmula

- 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

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

Other Construction

- To complete railing of DS-12;
- To complete Construction of DS-07.
- CC Blocks dumping: 350,000 nos.

Polder-40/2:

- To complete railing of FS-4/1 and installation of gates.
- To cast CC Block
- To progress the Construction of embankment from Km 6.650 to Km 7.500 & km 9.00 to Km 13.00.
- To progress the construction work of DS-2, DS-3, DS-4/5, FS-9 & FS-10.

Polder-41/1:

- To cast CC Block.
- To complete railing of FS-08, FS-09, FS-15 and installation of gates.
- To progress the construction work of DS-1, DS-5, DS-6, DS-7, DS-8, DS-9, FS-1 & FS-3.
- To complete the excavation of Napit Khali Khal and Charnala Khal.

Polder-43/2C

- To progress the re-sectioning work of embankment from km 0.700 to km 5.000.
- To start the construction work of FS-1 (A).
- To progress the work of DS-7.
- To complete the re-excavation of Taltoli drainage khal of DS-7.

Polder-47/2:

- To complete operating platform & railing of FS-1, FS-6, FS-7 and installation of gates.
- To cast CC Block.
- To progress construction work of DS-1, DS-2, DS-3 & DS-4.
- To complete the excavation work of Dhankola Khal.

Polder-48:

- To complete railing of FS-4 and installation of gates.
- To cast CC Blocks
- To progress the construction work of DS-1, DS-3/2, DS-3/4, FS-1 and FS-3
- To progress the re-sectioning work of embankment from Km 16.000 to Km 17.50 & Km 34.000 to Km 34.60
- To complete the slope protection work of sea dyke.
- To complete the excavation work of Charchapli Khal & Kaliapara Khal

Other structures and embankment works are to be started very soon of 2018-2019 and 2019-2020. Site activities for the rest structures will be through second and third dry season. The majority of the sites works are scheduled during 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 mobilization for construction of Regional office building.

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 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 Polder-40/2, 41/1, 47/2 & 48:

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.

The contractor collected some Geo-textile bags at site for placing on the river side Slope of embankment but the test result of the Geo-bag did not satisfy the Specification Criteria. Contractor has been instructed not to use those Geo-bags. Over all progress is 100%

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: (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.

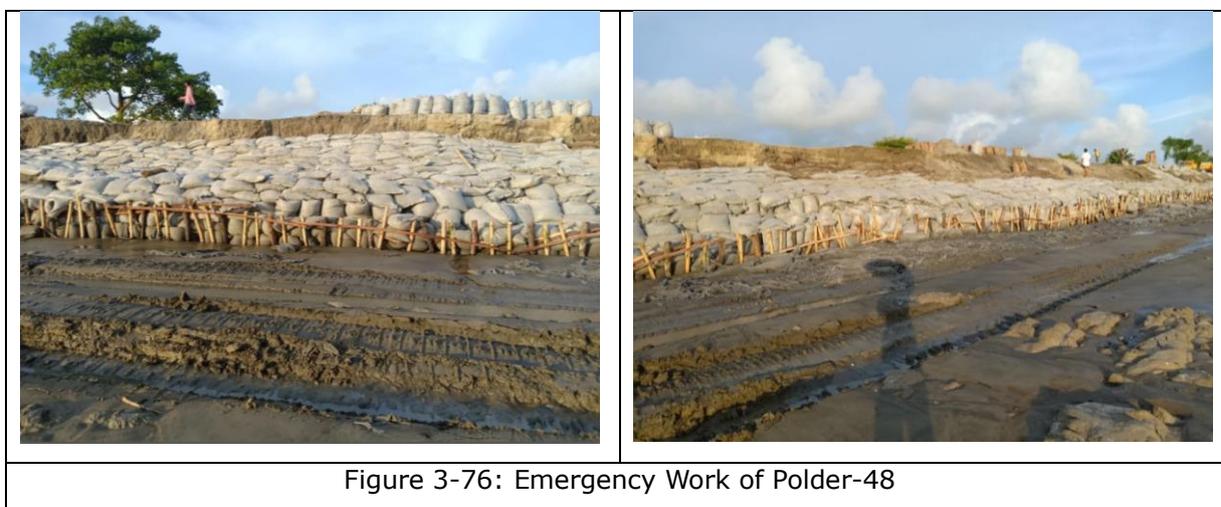


Figure 3-76: Emergency Work of Polder-48

Table 3-73: 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 3-74: 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	0.165	1,677,973
02	Polder-40/2	0	0
03	Polder-41/1	0	0
04	Polder-43/2C	0	0
05	Polder-47/2	0.156	1,058,490.60
06	Polder-48	0.508	6,329,463.78
Total =		0.829	9,065,927.38

Total available budget as per contract: 500,000,000.00

Table 3-75: 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 3-76: Detailed of Emergency Works under the head of "Physical & Price Contingency"

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	0.275	0.440	0.165	Bhandaria, Bamuner Khal	24-Mar-18	1,677,973.00	Physical and Price Contingency	FY 2017-18
2	Polder-47/2	6.300	6.375	0.075	Kalapara	01-Aug-18	555,379.53	Do	FY 2017-18
3	Polder-47/2	6.550	6.592	0.042	Kalapara	01-Aug-18	290,209.45	Do	FY 2017-18
4	Polder-47/2	6.670	6.692	0.022	Kalapara	01-Aug-18	109,704.67	Do	FY 2017-18
5	Polder-47/2	6.710	6.727	0.017	Kalapara	01-Aug-18	103,196.95	Do	FY 2017-18
6	Polder-48	31.060	31.220	0.160	Kuakata		1,233,611.30	Do	FY 2017-18
7	Polder-48	31.280	31.408	0.128	Kuakata	29-Jul-18	1,418,282.41	Do	FY 2018-19
8	Polder-48	34.305	34.525	0.220	Kuakata	29-Jul-18	3,677,570.07	Do	FY 2018-19
Total				0.829			9,065,927.38		

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 is under review at the Consultants office.

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 and accordingly the Draft Variation Order is under process of finalization in consultation with the PMU.

3.5.10 S-Curve of Package-2

The revised work program has been submitted by the Contractor in October 2018. The revised work program has been reviewed by the Consultants and sent to PMU. The S-curve has been prepared based on the revised program and the same has been incorporated in the Monthly Progress Report of April 2019.

3.5.11 RAP implementation

See sections here above, Package-2.

3.5.12 LAP implementation

See sections here above, Package-2.

3.5.13 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 October 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\$ 3.01 Million and US\$ 8.29 Million for Package-1 & Package-2 respectively considering extension of time up to June 2020 for Package-1 and completion time June 2020 of Package-2 (accelerated program).

The Contractors have submitted the S-curves of Package-1 & 2 based on the revised work program, hence the financial projection has been reflected in the MPR of March 2019. The next IPC is, however, expected by May 2019 for packages-1.

Monthly Forecast of Payment of Package-W-02:

Table 3-77: Tentative forecast of Payment of Package-2

IPC No.	Month of Submission	Forecast Value of IPC	Remark
No.04	Oct. 2018	252,984,708.63	IPC No. 04 was submitted with the value of BDT: 252,984,708.63 which was reviewed by the Consultants and sent to PMU. The Project Director has returned back the IPC No. 4 with some observations. The IPC has been corrected based on the observations and sent to PMU with the recommendation for payment.
No.05	Dec. 2018	728,380,000.00	IPC No. 05 was submitted by the Contractor with the value of BDT: 109,166,283.55 which was reviewed by the Consultants and sent to PMU on 10 January 2019 with the recommendation for payment.
No.06	Jan. 2019	229,100,000.00	IPC No. 06 was submitted by the Contractor with the value of BDT: 441,633,749.60 which was reviewed by the Consultants and sent to PMU on 14 March 2019 with the recommendation for payment.
No.07	Mar. 2019	442,400,000.00	IPC No. 07 was submitted by the Contractor with the value of BDT: 685,706,756.39 which is under review by the Consultants.

No.08	Apr. 2019	237,000,000.00	
No.09	May 2019	244,900,000.00	
No.10	Jun. 2019	244,900,000.00	
Total		2,379,664,708.63	

3.6.2 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. Modified Consultancy Contract No.3 has been revised and submitted to the Project Director to consider for smooth running of the Project.

3.6.3 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 3-78: 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	
	Design Engineer	Alec Sleigh	Arend Jan van de kerk	
	River Training Engineer	Bert te Slaa	Bert te Slaa	
	Sociologist/Resettlement Specialist	Dr. Salim Zaman	Dr. Salim Zaman	
	Quantity Surveyor - 1	Barbara Hellet	Mr. Rainier Manansala Dela Cruz	
	Construction Resident Engineer - 1	Trevor Morish Hale	Trevor Morish Hale	
	Construction Resident Engineer - 2	Gerard Pichel	Mr. Richard David Mann	
	Contract Management Specialist	Rob Brouwer	Rob Brouwer	
	Procurement Specialist	Barbara Hellet	Barbara Hellet	
	Environmental Specialist	Henk Blok	Henk Blok	
Morphological Modeler	Henrik Rene Jensen	Henrik Rene Jensen		
Environmental Specialist	Anders Malgrem Hansen	Anders Malgrem Hansen		
Quantity Surveyor - 2	Andrew Cook	Andrew Cook		
B. International Non-Key Staff	Sociologist/Resettlement Specialist	Roy Timmer	Dr. Salim Zaman	
	Geo-Technical Engineer	Joost van der Schrier	Joost van der Schrier	
	Estuary and River Morphology Modeler	Bo Brahtz Christensen	Bo Brahtz Christensen	
	River and Coastal Expert	Ranjit Galappatti	Ranjit Galappatti	
A. National Key Staff	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	
	Re-settlement Specialist/Sociologist	Kh. Khairul Matin	Md. Zainal Abedin	
A. National Non-Key Staff	Design Engineer	Md. Anwar Hossain Bhuiyan	Md. Anwar Hossain Bhuiyan	
	Geo-Technical Engineer	Md. Nurul Islam	Md. Nurul Islam	
	Design Engineer	Mr. Mahbubur Rahman	Mr. Mahbubur Rahman	
	Environmentalist	Sheikh Muhammad Abdur Rashid	Sheikh Muhammad Abdur Rashid	
	Sociologist/Resettlement Specialist	Md. Ferdous Rahman	Md. Ferdous Rahman	
	Geographical Information System Expert	Md. Monirul Haque	Md. Monirul Haque	
	Procurement Specialist	Md. Humayun Kabir	Md. Aminur Rahman	
	Senior Estimator - 1	Md. Ansar Ali Mia	Md. Ansar Ali Mia	
	Senior Estimator - 2	Md. Nazrul Islam	Md. Nazrul Islam	
	Survey Engineer - 1	Pankaj Kumar Moitra	Pankaj Kumar Moitra	
	Survey Engineer - 2	Md. Amirul Islam	Md. Amirul Islam	
	Survey Engineer - 3	ABM Anwar Haidar	Abu Taiub Mia	
	Junior Design Engineer - 1	Ms. Selina Akhter	Ms. Selina Akhter	
	Junior Design Engineer - 2	Ms. Shaikh Naureen Laila	Ms. Selina Akhter	
	Auto CAD Specialist - 1	Ms. Marjan Mallik	Md. Asadujjaman	
Auto CAD Specialist - 2	Biprojit Paul	Ms. Nahid Farjana		

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

Description of Staffs	Position	Original Staff	Current Staff	Remarks
	River and Coastal Expert	Md.Zahirul Haque Khan	Md.Zahirul Haque Khan	
	Construction Supervision Engineer - 1	Md. Mukhlesur Rahman	Md. Mukhlesur Rahman	
	Construction Supervision Engineer - 2	Shyamal Kumar Dutta	Shyamal Kumar Dutta	
	Construction Supervision Engineer - 3	SK Golam Quader	Md. Mainul Islam	
	Construction Supervision Engineer - 4	Abdul Jalil	Md. Didarul Alam	
	Quality Control Specialist - 1	Md. Abdur Razzaque Khan	Md. Sheik Farid	
	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 (Modified Contract)	Md. Sadiqul Islam	
	Construction Supervision Engineer - 6	Md. Ghiasuddin Ahmad (Modified Contract)	Md. Ghiasuddin Ahmad	
	Quality Control Specialist - 3	Md. Ali Jinnah (Modified Contract)	Md. Ali Jinnah	
	Quality Control Specialist - 4	Md. Harun Ur Rashid (Modified Contract)	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	Shahidul Islam	Shahidul Islam	
	Field Engineer	Md. Lutfor Rahman	Md. Lutfor Rahman	
	Field Engineer	Md. Sumon Mia	Md. Sumon Mia	
	Field Engineer	Md. Harun Ur Rashid	Md. Harun Ur Rashid	
	Field Engineer	Sufia Parvin	Sufia Parvin	
	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	
	Lab Technician	Md. Aminur Rahman	Md. Aminur Rahman	
	Lab Technician	Md. Kuddus Molla	Md. Kuddus Molla	
	Lab Technician	Lokshon Chandra Biswas	Lokshon Chandra Biswas	
	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	
	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 Consultancy Services:

Tentative information on financial forecast of Payment for Consultancy Services is furnished in the Table below:

Table 3-79: Tentative information on financial of payment for DDCCS & PMS Consultants

Invoice No.	Invoice Month	Submission Month	Value of Invoice (BDT)	Remarks
Local Currency				
LC-22	July-August 18	October 18	20,605,743.00	
LC-23	September-October 18	November 18	17,000,000.00	
LC-24	November-December 18	January 19	16,000,000.00	
LC-25	January - February 19	March 19	20,000,000.00	
LC-26	March-April 19	May 19	17,000,000.00	
LC-27	May-June 19	June 19	15,000,000.00	
Total			105,605,743.00	
Foreign Currency				
FC-22	July-August 18	October 18	135,136.00	
FC-23	September-October 18	November 18	135,000.00	
FC-24	November-December 18	January 19	130,000.00	
FC-25	January - February 19	March 19	140,000.00	
FC-26	March-April 19	May 19	130,000.00	
FC-27	May-June 19	June 19	130,000.00	
Total			800,136.00	

3.7.3 Finance (Invoices) RHDHV/DDCS&PMS Consultants

Table 3-80: Overview of Consultants Invoices since Project Inception

SI No. of Invoices	Payment in EURO			Payment in BDT		
	Amount invoiced	Date submitted	Date paid	Amount invoiced	Date submitted	Date paid
Advance Payment	481,134.90	30-Dec-14	1-Apr-15	59,249,809.60	30-Dec-14	1-Apr-15
Invoice No 1	50,908.14	25-May-15	11-Jun-15	1,119,426.94	15-June-15	16-Jun-15
Invoice No 2	129,241.61	25-May-15	11-Jun-15	5,952,195.13	17-June-15	16-Jun-15
Invoice No 3 (Part)	60,000.00	21-June-15	22-Jun-15	7,967,524.20	30-Jun-15	30-Jun-15
Invoice No 3 (Part)	70,282.49	0.00	06-Oct-15	33,150,070.88	30-Jun-15	27-Sep-15
Invoice No 4	206,972.03	27-Sep-15	02-Dec-15	14,332,732.78	27-Sep-15	29-Nov-15
Invoice No 5	169,555.53	15-Nov-15	10-Dec-15	25,991,948.77	30-Nov-15	10-Jan-16
Invoice No 6	74,062.24	17-Jan-16	04-Feb-16	14,590,698.64	03-Jan-16	27-Jun-16
Invoice No 7	201,749.51	01-June-16	30-Jun-16	15,016,503.44	19-June-16	30-Jun-16
Invoice No 8	140,967.65	01-June-16	30-Jun-16	692,718.66	19-June-16	30-Jun-16
	0.00			36,351,389.86	19-June-16	10-Nov-16 (Partly Paid)
Invoice No 9	153,881.30	30-June-16	30-Jun-16	19,138,626.07	27-Nov-16	02-Mar-17
Invoice No 10	243,824.28 ⁴	23-Oct-16	09-Nov-16	15,095,311.81	27-Nov-16	02-Mar-17
Invoice No 11	224,255.11	06-Nov-16	1-Jun-17	15,623,144.38	07-Dec-16	18-May-17
Invoice No 12	211,748.62	15-Jan-17	1-Jun-17	51,335,041.98	15-Jan-17	18-May-17
Invoice No 13	149,954.66	10-Apr-17	1-Jun-17	25,796,446.77	16-Mar-17	18-May-17
Invoice No 14	51,073.50	3-May-17	18-06-17	9,847,754.23	1 Jun-17	29-Jun-17
Invoice No 15	359,744.20	16-Oct-17	10-Dec-17	18,863,496.23	29-Jun-17	29-Jun-17 (Partly 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		12123246.79	11-Feb-19	25-Mar-19
Invoice No. 25	101,908.93	14-Mar-19				
Total Amount Invoiced =	2,182,333.71			548,281,957.61		

⁴ 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	Unit	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 April 19	Status on April 19
BoQ No. 1	General Mobilisation		7.52%						496,465,529.00	392,412,304	383,824,700	20,000,000	79.04%	5.948%	5.948%	79.04%
BoQ No. 2	Embankment Construction/ Re-sectioning	km	21.96%			cum	5,877,718	3,859,488	1,448,823,605.00	951,341,544	606,106,733	496,262,140	65.66%	14.419%	14.419%	65.66%
BoQ No. 3	Drainage Channel Excavation/ Re-excavation	km	2.18%			km	151.21	43.98	144,057,665.00	41,894,953	19,989,185	81,576,154	29.08%	0.635%	0.635%	29.08%
BoQ No. 4	Drainage Sluice Construction	no	9.89%						668,068,356.80	631,512,536	386,671,306	170,000,000			9.348%	94.50%
				0.47%	Casting Block size 40cm x 40cm x 20cm.	no	106,373	99,268	30,694,992.88	28,644,798	28,868,985		93.32%	0.434%		
				0.34%	Casting Block size 30cm x 30cm x 30cm.	no	90,898	54,158	22,142,752.80	13,192,860	20,563,981		59.58%	0.200%		
				9.09%	Other Drainage Sluices Construction Works	BDT	615,230,611	589,674,878	615,230,611.12	589,674,878	337,238,340		95.85%	8.714%		
BoQ No. 5	Drainage Sluice Repair	no	0.13%						8,401,731.00	7,585,694	73,582	8,229,140			0.115%	90.29%
				0.02%	Casting Block size 40cm x 40cm x 20cm.	no	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.	no	4,911	2,926	1,196,319.00	712,778	0		59.58%	0.011%		
				0.09%	Other Drainage Sluices Repair Works	BDT	6,124,178	5,863,900	6,124,177.68	5,863,900	73,582		95.75%	0.089%		
BoQ No. 6	Flushing Inlet Construction	no	5.70%						378,908,707.59	338,434,162	148,968,874	196,668,139			5.087%	89.31%
				0.25%	Casting Block size 40cm x 40cm x 20cm.	no	56,323	52,561	16,252,564.00	15,167,015			93.32%	0.230%		
				0.28%	Casting Block size 30cm x 30cm x 30cm.	no	76,019	45,293	18,518,228.00	11,033,334	6,959,652		59.58%	0.167%		
				5.17%	Other Flushing Inlets Construction Works	BDT	344,137,915.59	312,233,813	344,137,915.59	312,233,813	129,300,470		90.73%	4.690%		
BoQ No. 7	Flushing Inlet Repair	no	1.25%						82,361,662.08	69,893,692	3,450,899	17,724,174			1.059%	84.86%
				0.08%	Casting Block size 40cm x 40cm x 20cm.	no	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.	no	33,966	20,237	8,274,117.00	4,929,797	0		59.58%	0.075%		
				1.05%	Other Flushing Inlets Repair Works	BDT	69,059,387	60,271,580	69,059,387.08	60,271,580	3,450,899		87.28%	0.914%		
BoQ No. 8	Embankment Slope Protection Work	km	21.68%						1,430,472,110.00	1,032,191,702	781,601,631	689,628,687			15.645%	72.16%
				6.08%	Casting Block size 40cm x 40cm x 40cm.	no	729,950	562,483	400,844,743.00	308,882,061	400,844,743		77.06%	4.682%		
				9.61%	Casting Block size 40cm x 40cm x 20cm.	no	2,310,203	1,679,314	634,312,437.71	461,089,334	312,732,484		72.69%	6.989%		
				1.52%	Casting Block size 40cm x 40cm x 30cm.	no	222,844	134,859	100,560,583.44	60,856,549	39,944,633		60.52%	0.922%		
				4.47%	Other Embankment Slope Works	BDT	294,754,345.85	201,363,758	294,754,345.85	201,363,758	28,079,771		68.32%	3.052%		
BoQ No. 9	River Bank Protection Work	km	22.72%						1,498,882,474.37	1,248,678,690	804,432,248	513,208,608			18.926%	83.31%
				11.12%	Casting Block size 40cm x 40cm x 40cm.	no	1,335,844	1,029,372	733,565,236.88	565,269,088	303,987,979		77.06%	8.568%		
				1.17%	Casting Block size 40cm x 40cm x 20cm.	no	282,163	205,108	77,473,494.91	56,316,415	0		72.69%	0.854%		
				8.27%	Casting Block size 30cm x 30cm x 30cm.	no	2,110,963	1,944,830	545,430,610.37	502,505,167	445,965,689		92.13%	7.616%		
				0.03%	Casting Block size 40cm x 40cm x 30cm.	no	4,800	2,905	2,166,048.00	1,310,834	0		60.52%	0.020%		
				2.13%	Other Bank Protection Works	BDT	140,247,084	123,277,187	140,247,084.22	123,277,187	54,478,580		87.90%	1.868%		
BoQ No. 10	Dismantling Work	km	2.03%						133,991,406.00	9,768,199	133,991,406.00	9,768,199	20,000,000	7.29%	0.148%	7.29%
BoQ No. 11	Closure Dam Construction	km	2.77%						182,925,081.00	28,810,700	0	0			0.437%	15.75%
				0.69%	Foundation Construction of the Closure	BDT	45,731,270	28,810,700	45,731,270.00	28,810,700	0		63.00%	0.437%		
				0.55%	Closing of the closure	BDT	36,585,016	-	36,585,016.00	0	0		0.00%	0.000%		
				1.52%	Final Protection Work of the Closure	BDT	100,608,795	-	100,608,795.00	0	0		0.00%	0.000%		
	Schedule of Day work		0.36%			BDT	23,712,392	2,366,206	23,712,392.00	2,366,206	1,550,556	1,000,000	9.98%	0.036%	0.036%	9.98%
	Environmental Mitigation Works		0.91%			0.00 BDT	60,200,000	47,525,800	60,200,000.00	47,525,800	47,525,800	1,050,000	78.95%	0.720%	0.720%	78.95%
	Emergency work charge to physical contingencies		0.89%			BDT	58,913,141	58,913,141	58,913,141.00	58,913,141	20,839,017		100.00%	0.893%	0.893%	100.00%
	Physical and Price Contingencies		0.00%			BDT	241,086,859	304,075,783	241,086,859.00	304,075,783	245,162,642	1,050,000	126.13%	0.000%		
	Temporary Savings		0.00%			BDT	111,842,485	-	111,842,485.00	0			0.00%	0.000%		
									6,969,113,205	5,165,405,106	3,456,421,462	2,216,397,041			73.42%	73.42%

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

Package-2

BoQ Item	Activity Name	Weightage	Weight (Partial)	Name of Work	Unit	Contract Quantity	Actual Quantity	Contract Value (BDT)	Value of Work Executed (BDT)	Expenditure (BDT)	Projection (BDT)	Percentage Completed	Weighted Percentage	Wtg Achvd on Mar 19	Status on April 19
BoQ No. 1	General Mobilisation	1.12%						114,147,100.00	54,534,446.11	49,029,296.00	12,442,500.00	47.78%	0.54%	0.54%	47.78%
BoQ No. 2	Embankment Construction/ Re-sectioning	17.31%			cum	7,028,144	389,986	1,757,533,176.00	97,524,087.89	40,297,533.88	101,051,210.35	5.55%	0.96%	0.96%	5.55%
BoQ No. 3	Drainage Channel Excavation/ Re-excavation	1.56%			km	154.55	11.68	191,966,386.45	14,503,122.23	0.00	24,140,343.52	7.56%	0.12%	0.12%	7.56%
BoQ No. 4	Drainage Sluice Construction	15.00%						1,522,573,943.62	398,232,754.79	26,987,594.69	306,955,728.66			3.92%	26.16%
			0.43%	Casting Block size 40cm x 40cm x 20cm.	no	163,168	4,192	43,892,192.00	1,127,748.26			2.57%	0.01%		
			0.47%	Casting Block size 30cm x 30cm x 30cm.	no	197,111	36,115	47,897,973.00	8,775,981.18			18.32%	0.09%		
			14.09%	Other Drainage Sluices Construction Works	BDT	1,430,783,779	388,329,025	1,430,783,778.62	388,329,025.36			27.14%	3.83%		
BoQ No. 5	Drainage Sluice Repair	0.18%		58,400,856				18,234,536.00	984,296.10	0.00	18,358,481.30			0.01%	5.40%
			0.03%	Casting Block size 40cm x 40cm x 20cm.	no	12,365	318	3,326,185.00	85,461.65			2.57%	0.00%		
			0.05%	Casting Block size 30cm x 30cm x 30cm.	no	20,000	3,664	4,860,000.00	890,460.82			18.32%	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	8.23%						835,272,116.36	164,341,857.39	55,870,178.51	151,872,431.19			1.62%	19.68%
			0.31%	Casting Block size 40cm x 40cm x 20cm.	no	116,089	2,983	31,227,941.00	802,358.11			2.57%	0.01%		
			0.22%	Casting Block size 30cm x 30cm x 30cm.	no	93,295	17,093.73	22,670,685.00	4,153,777.13			18.32%	0.04%		
			7.70%	Other Flushing Inlets Construction Works	BDT	781,373,490	159,385,722	781,373,490.36	159,385,722.15			20.40%	1.57%		
BoQ No. 7	Flushing Inlet Repair	0.16%						16,495,126.00	1,878,757.93	0.00	18,078,404.24			0.02%	11.39%
			0.02%	Casting Block size 40cm x 40cm x 20cm.	no	6,390	164	1,718,910.00	44,164.98			2.57%	0.00%		
			0.05%	Casting Block size 30cm x 30cm x 30cm.	no	21,000	3,848	5,103,000.00	934,983.87			18.32%	0.01%		
			0.10%	Other Flushing Inlets Repair Works	BDT	9,673,216	899,609	9,673,216.00	899,609.09			9.30%	0.01%		
BoQ No. 8	Embankment Slope Protection Work	10.66%						1,081,902,109.00	10,659,457.85	435,904.00	134,153,121.37			0.11%	0.99%
			4.31%	Casting Block size 40cm x 40cm x 30cm.	no	848,567	-	437,860,572.00	0.00			0.00%	0.00%		
			3.76%	Casting Block size 40cm x 40cm x 40cm.	no	687,279	-	382,127,124.00	0.00			0.00%	0.00%		
			1.26%	Casting Block size 30cm x 30cm x 30cm.	no	524,295	-	127,403,685.00	0.00			0.00%	0.00%		
			1.33%	Other Embankment Slope Works	BDT	134,510,728.00	10,659,457.85	134,510,728.00	10,659,457.85			7.92%	0.11%		
BoQ No. 9	River Bank Protection Work	35.76%						3,630,470,487.00	1,347,408,126.41	443,340,180.00	1,638,590,479.30			16.13%	45.11%
			17.92%	Casting Block size 40cm x 40cm x 40cm.	no	3,271,866	2,626,170	120,632,096.00	96,825,600.91			80.27%	14.38%		
			1.19%	Casting Block size 40cm x 40cm x 30cm.	no	289,981	183,180.00	1,819,157,496.00	1,149,155,531.28			63.17%	0.75%		
			12.38%	Casting Block size 30cm x 30cm x 30cm.	no	5,170,355	-	1,256,396,265.00	0.00			0.00%	0.00%		
			4.28%	Other Bank Protection Works	BDT	434,284,630.00	101,426,994.22	434,284,630.00	101,426,994.22			23.35%	1.00%		
BoQ No. 10	Dismantling Work of sluices and road	0.57%						57,489,951.02	186,699.50	116,456.92	0.00			0.00%	0.33%
			0.371%	Dismantling Works of existing roads	BDT	37,628,302	-	37,628,301.90	0.00			0.00%	0.00%		
			0.196%	Dismantling Works of existing Sluices	BDT	19,861,649	186,700	19,861,649.12	186,699.50			0.94%	0.00%		
BoQ No. 11	Construction of Khal Crossing Closures	1.00%			No	8	-	101,123,200.00	0.00		0.00	0.00%	0.00%	0.00%	0.00%
BoQ No. 12	Construction of Road Pavement over Embankment	7.23%			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)	0.08%			BDT	7,819,992	7,819,992	7,819,992.42	7,819,992.42			100.00%	0.08%	0.08%	100.00%
	Physical and Price Contingencies				BDT	492,180,008	-	492,180,007.58	0.00	7,819,992.42	5,000,000.00	0.00%	0.00%	0.00%	
Total		100.00%						10,899,564,634.65	2,112,727,630.36	626,012,865.38	2,416,642,699.92			23.65%	23.65%

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 on site?	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	Working age population and capacity (education, skills, experience)	The labour force (age between 15 and 59 year), the actual number of people available for work is 61%. The labour force includes both the employed and the unemployed. According to BBS, 30% of the people fall in the age group 1-15 year. The literacy rate in the project area roams around 58% whereas the national figure is 51.8%. The livelihood of 66.1% of people depends on agriculture activities;		
4.3	Working age population capacity	<i>Education</i>	<i>Skill</i>	<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>	
		1190		9	1199	
6.2	Number of laborers by skill	<i>Skilled</i>	<i>Semi-skilled</i>	<i>Unskilled</i>	<i>Total</i>	
		775	276	148	1199	
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>	
		765	315	119	1199	
6.4	Number of laborers by age	<i>18-25</i>		<i>25-50</i>	<i>Above 50</i>	<i>Total</i>
		625		544	30	1199
6.5	Source of labour	<i>Contractor</i>	<i>Subcontractor</i>	<i>Independent</i>	<i>Other</i>	<i>Total</i>
		1199	0	0	0	1199

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 roadsides, open fields and other spaces?	No. Only housing exist inside the constructional premises.			
7.4	Is there any housing in rented accommodation in residential areas? If so, who is it rented by?	Yes, for the Chinese and Bangladeshi senior staff. Contractor rents the buildings themselves			
7.5	How many laborers have families on/near worksite?	The migrant workers do not live with their family. Sometime their family member 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 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?	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 a labour official since commencement of work?	Six times since commencement from WB. From the part of PMU and BEDB, visited the worksite frequently, as per the need basis.
8.3	What documents were inspected by labour officials?	Accident /injury register, salary sheet/record
8.4	What documents were maintained and which ones were not?	Safety training record, accident register, safety guideline document, compliance register, GRM system notice. Nothing missing, if anything required please give us the valuable suggestion. We will ensure it in work site.
8.5	What directions were given by labour officials?	About personal health and safety
8.6	What 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 he/she to Khulna or Dhaka.
9.6	Which is the nearest Police Station?	In any Polder, there is Police office close-by, within 10 km range. On the other hand, a team of 2-3 nos. police available in work camp site and cc block manufacturing site cum residential site. If required they will help us. But even no situations arise to do this.
9.7	Are details of nearest doctor / clinic / dispensary /hospital / Police station available and prominently	Yes

	displayed at worksite / campsite?	
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 188km; 3. Construction of 50 drainage sluices; 4. Repairing of 6 drainage sluices; 5. Construction of 71 flushing sluices; 6. Repairing of 8 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 4.92 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>	<i>Experience</i>
		No information	No information	No information
4.4	Local capacity for infrastructure, services, utilities, health (please provide a short brief)	the health centre and hospital are available in local place.		
4.5	Availability of accommodation, food, water (please provide a short brief)	Accommodation, water and food is available to the local community.		
4.6	Are there any security considerations?	Yes		

4.7	Are there any marginalized, vulnerable, ethnic, indigenous- communities?	No
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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 laborers by sex	Male		Female		Total
		1666		2		
6.2	Number of laborers by skill	Skilled	Semi-skilled	Unskilled		Total
		312	364	992		1668
6.3	Number of laborers by origin	Local (same or adjoining district)	Other districts	Other Country		Total
		983	685	0		1668
6.4	Number of laborers by age	18-25		25-50	Above 50	Total
		852		812	4	1668
6.5	Source of labour	Contractor	Subcontractor	Independent	Other	Total
		1668	0	0	0	1668

7. FACILITIES (Please provide Polder wise description of Facilities)					
7.1	Details of labour camps	Number	Permanent/Temp.	Location	Distance from nearest village/habitation
		5	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.	Data Collection	
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	130.58							64.85 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	30							27 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	20							24 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	55.66							
Area restored re/afforested	X	ha	-	-	-	-	-	100	200	300	300	Annual	BWDB	M&E	
<i>Achievement</i>				-	-	-									

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

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	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)							GRC formation undertaken for all polders of Package 01. Total 151 complaints / grievances have received by GRC upto April 2019. 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 April 2019 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.	