



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



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

**Progress Report No. 50  
Month of June 2019**

## Table of Contents

Table of Contents.....	i
List of Tables .....	iv
List of Figures .....	vi
Abbreviations and Acronyms .....	1
<b>1. Executive Summary .....</b>	<b>4</b>
1.1 General .....	4
1.2 Implementation of works under Package-1 and Package-2 .....	4
<b>1.2.1 Package-1 implementation .....</b>	<b>4</b>
<b>1.2.2 Package-2 implementation .....</b>	<b>5</b>
1.3 Other tasks of Consultants .....	6
1.4 Key challenges and risks and recommendations .....	6
<b>1.4.1 Key challenges and risks .....</b>	<b>6</b>
<b>1.4.2 Recommendations .....</b>	<b>7</b>
1.5 Action Log .....	7
1.6 Contractual Tasks of DDCS&PMS Consultants .....	9
<b>2. Summary of Key Achievements during the reporting month.....</b>	<b>10</b>
2.1 Package-1 .....	10
2.2 Package-2 .....	12
2.3 Package-3 .....	14
2.4 DDCS&PMS Consultancy Services.....	15
<b>3. Project Progress .....</b>	<b>16</b>
3.1 Task A: Review and updated the designs budding documents and related environmental and social plans (EIAs, EMPs and RAPs) already prepared .....	16
3.1.1 Review and update of Design of Package-1 .....	16
3.1.2 Bid Documents of Package-1 .....	16
3.1.3 RAP Implementation Package-1 .....	16
3.1.4 Status of Physical and Commercial Displacement/Relocation (Non-titled).....	20
3.1.7 Progress in relocation of the Titled Affected households in package-1 .....	21
3.1.8 Grievance Redress Mechanism (GRM).....	25
3.1.9 Consultation and Participation (Citizen Engagement).....	25
3.1.10 Status of Land Acquisition of Package-1.....	27
3.1.11 Land Acquisition for Package-2 .....	28
3.1.12 Updating of RAP for Package-2 .....	29
3.1.13 Preparatory Activities .....	29
3.1.14 Implementation RAP for Package-2 .....	29

3.1.15	Payment & Resettlement Benefits for Package-2 .....	30
3.1.16	Payment of Compensation under Law (CUL), Package-2 .....	31
3.1.17	Relocation Status of Package-2 after compensation payment of First Indent .....	32
3.1.18	Status of Physical and Commercial Displacement/Relocation (Non-titled).....	35
3.1.21	Grievance Redress Mechanism (GRM).....	36
3.1.22	Focus Group Discussion for Package-2.....	36
3.1.23	Distribution of Information Brochure and GRM Leaflet of Package-2 .....	37
3.1.24	Database Preparation of Package-2.....	37
3.1.25	Formation of PAVC & GRC Committee Package-2 .....	37
3.1.26	Video Filming of Affected Properties for GRC and PRAC.....	37
3.1.27	Devised ID number of the Non-Titled EPs.....	38
3.1.28	Preparation of EIA.....	38
3.2	Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package- 2 Polders.....	38
3.2.1	Data processing & reviewing the shop drawings.....	38
3.2.2	Bid Documents of Package-2 .....	38
3.2.3	Design status of Package-2 .....	38
3.2.4	EHS activities in June 2019 .....	39
3.2.5	Information on some environmental issues (Package-1) .....	42
3.2.6	Noise measurement (Package-1) .....	42
3.2.7	Information on some environmental issues (Package-2) .....	43
3.2.8	Noise measurement (Package-2) .....	44
3.2.9	Meetings held during the month of June .....	49
3.2.10	Reports.....	49
3.2.11	Progress of Mechanical Work .....	49
3.3	Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package-3 Polders.....	50
3.3.1	Design.....	50
3.3.2	Bidding Document.....	51
3.3.3	RAP Preparation for Package-3 .....	51
3.3.4	LAP Preparation for Package-3.....	51
3.4	Task C: Supervise Construction & Administer Contract of Package-1 .....	52
3.4.1	Introduction .....	52
3.4.2	Staffing.....	52
3.4.3	Equipment Mobilization.....	52
3.4.4	Finances of Contractor Package-1 .....	53
3.4.5	S-Curve of Package-1.....	55
3.4.6	Physical Progress (Mile Stone Matrix) .....	56

3.4.7	Emergency Works in Package-CEIP-1/W-01 .....	74
3.5	Task C: Supervise Construction & Administer Contract of Package-2 .....	86
3.5.1	Introduction .....	86
3.5.2	Physical Progress (Mile Stone Matrix) .....	87
3.5.3	Advance Payments .....	101
3.5.4	Equipment mobilization.....	101
3.5.5	Plans for execution of works.....	106
3.5.6	Construction of Regional of Building at Patuakhali and others building at Kalapara and Pathorghata.....	107
3.5.7	Emergency works in Polder-40/2, 41/1, 47/2 & 48: .....	107
3.5.8	Finance (Invoices) Contractor Package-2 .....	111
3.5.9	Contract Modifications .....	111
3.5.10	S-Curve of Package-2.....	111
3.5.11	RAP implementation .....	113
3.5.12	LAP implementation .....	113
3.5.13	Progress on Purchase of vehicles .....	113
3.6	Task D: Project Management Support Services .....	113
3.6.1	Financial Projection .....	113
3.6.2	Modification of Consultancy Contract.....	114
3.6.3	Support to PMU .....	114
3.7	Consultant Inputs.....	114
3.7.1	Staffing and staff changes approved or in process during the month .....	114
3.7.2	Monthly Forecast of Payment for Consultancy Services:.....	116
3.7.3	Finance (Invoices) RHDHV/DDCS&PMS Consultants .....	117
<b>Annex 1: Updated Physical Site Works: Package-1 &amp; 2.....</b>		<b>118</b>
<b>Annex 3: Labour Influx Report.....</b>		<b>120</b>
<b>Annex 3: Key Performance Indicators and Targets per PAD/DPP.....</b>		<b>132</b>

## List of Tables

Table 1-1: Action Log .....	7
Table 3-1: Updated numbers of Non-titled entities up to June 2019 .....	17
Table 3-2: Polder- wise payment made by DCs Khulna & Bagerhat till June 2019.....	17
Table 3-3: Substantial progress report in payment of compensation under law till June 2019 ...	18
Table 3-4: Update Relocation Status as of June 2019 .....	20
Table 3-5: Physical displacement and Economical displacement (non-titled) of Package-1.....	20
Table 3-6: Relocation Status of Residence (Physical Displacement) in Package-1 .....	20
Table 3-7: Status Relocation Status of Economical/Commercial Displacement (non-titled) .....	21
Table 3-8: Polder wise Number of relocated of Titled EP (Residence and Commercial Awardees) compensation under law.....	21
Table 3-9: Organogram of GRC.....	25
Table 3-10: The status of complaints/cases received and resolved by GRC .....	25
Table 3-11: Status of land acquisition for four Polders under Package-1 .....	27
Table 3-12: Status of land acquisition for Package-2 .....	28
Table 3-13: Polder-wise numbers of Entitled Persons .....	29
Table 3-14: Status of ID card preparation for Implementation in Package-2 .....	29
Table 3-15: Status of up to date progress of Polder wise EP ID Cards preparation of Package-2 .	30
Table 3-16: Payment of Resettlement Benefit in package-2 .....	31
Table 3-17: Polder- wise payment made by DCs Khulna & Bagerhat till June 2019. ....	32
Table 3-18: Status of relocation in Package 2.....	33
Table 3-19: Physical displacement and Economical displacement (non-titled) of Package-2 .....	35
Table 3-20: Relocation Status of Residence (Physical Displacement) in Package-2 .....	35
Table 3-21: Status Relocation Status of Economical/Commercial Displacement (non-titled) .....	35
Table 3-22: Organogram of GRC.....	36
Table 3-23: The status of complaints/cases received and resolved by GRC .....	36
Table 3-24: Status on FGDs as of June 2019.....	36
Table 3-25: Status of up to date progress of PAVC activities of Package-2 .....	37
Table 3-26: Status of Design for Package-2 .....	38
Table 3-27: Information for the month of June, 2019.....	42
Table 3-28: Pankhali Automatic CC Block Manufacturing Plant [1] .....	42
Table 3-29: Daratana Automatic CC Block Manufacturing Plant.....	43
Table 3-30: Various environment related information/data .....	43
Table 3-31: Noise level in Polder 39/2C .....	44
Table 3-32: Noise level in Polder 39/2C-2 .....	45
Table 3-33: Noise level in Polder 40/2 .....	46
Table 3-34: Noise level in Polder 41/1 .....	47
Table 3-35: Noise level in Polder 43/2C .....	47
Table 3-36: Noise level in Polder 47/2 .....	48
Table 3-37: Noise level in Polder 48 .....	49
Table 3-38: Status of Design for Package-3 .....	50
Table 3-39: Update Status of Package-3.....	51
Table 3-40: List of Polder-wise Manpower Deployed to Site of Package-1 .....	52
Table 3-41: List of Equipment .....	52
Table 3-42: Monthly Forecast of Payment for Package-W/-01 is furnished below .....	53



Table 3-43: Physical Works of Package-1 as on 30 June 2019 .....	56
Table 3-44: Physical Works Polder Wise of Package-1 as on 30 June 2019.....	57
Table 3-45: Detailed information of Construction Status of Embankment of Package-1 .....	58
Table 3-46: Detailed information of Construction Status of Drainage Channel of Package-1 .....	62
Table 3-47: Detailed information of Construction Status of Drainage Sluices of Package-1.....	63
Table 3-48: Detailed Information of Construction Status of Flushing Sluices of Package-1 .....	64
Table 3-49: Detailed Information of Repair of Drainage & Flushing Sluices of Package-1 .....	65
Table 3-50: Detailed Information of Slope Protection Works of Package-1 .....	66
Table 3-51: Detailed Information of Bank Protection Works of Package-1 .....	67
Table 3-52: Detailed Information of Construction of Closure Dam of Package-1.....	67
Table 3-53: Progress as on June 2019.....	70
Table 3-54: CC Blocks Production as on June 2019 .....	71
Table 3-55: Information of Repair of Flushing Sluices and Drainage Sluices .....	74
Table 3-56: List of Flushing Sluices Dropped from the repairing Program.....	74
Table 3-57: Summary of Emergency works under the head of "Environmental Mitigation Works" 75	
Table 3-58: Summary of Emergency works under the head of "Physical & Price Contingency" ....	75
Table 3-59: Details of Emergency Works under the head of "Environmental Mitigation Works" ...	76
Table 3-60: Detailed of Emergency Works under the head of "Physical & Price Contingencies" ...	79
Table 3-61: Physical Works of Package-2 as on 30 June 2019 .....	87
Table 3-62: Detailed Information Polder Wise for Package-2 .....	88
Table 3-63: Detailed Information of Construction of Embankment for Package-2.....	89
Table 3-64: Detailed Information of Construction of Drainage Channel for Package-2 .....	93
Table 3-65: Detailed Information of Construction Status of Drainage Sluice for Package-2.....	94
Table 3-66: Detailed Information of Construction Status of Flushing Sluice for Package-2 .....	95
Table 3-67: Detailed Information of Repair of Drainage & Flushing Sluice for Package-2.....	96
Table 3-68: Detailed Information Slope Protection Work for Package-2 .....	97
Table 3-69: Detailed Information Bank Protection Work for Package-2 .....	97
Table 3-70: Detailed Information Construction of Closure Dam for Package-2 .....	97
Table 3-71: Progress of Package-2 as on June 2019.....	100
Table 3-72: CC Blocks Production as on June 2019 .....	101
Table 3-73: Contractor Staffs available in Package-2.....	101
Table 3-74: Mobilisation List of Equipment for Package-2 .....	102
Table 3-75: Summary of Emergency works under the head of "Environmental Mitigation Works" .....	108
Table 3-76: Summary of Emergency works under the head of "Physical & Price Contingency" ..	108
Table 3-77: Detailed of Emergency Works under the head of "Provisional Sum" .....	109
Table 3-78: Detailed of Emergency Works under the head of "Physical & Price Contingency" ...	110
Table 3-79: Tentative forecast of Payment of Package-2 .....	113
Table 3-80: Overview of Staffing (including Proposed Replacements).....	114
Table 3-81: Tentative information on financial of payment for DDCS & PMS Consultants .....	116
Table 3-82: Overview of Consultants Invoices since Project Inception .....	117

## List of Figures

Figure 3-1: FGD in Polder 32 at Starkhali.....	18
Figure 3-2: FGD in Polder 33 at Chunkuri .....	18
Figure 3-3: FGD at Rajoir in Polder 35/1 .....	19
Figure 3-4: FGD at Rajapur in Polder 35/1 .....	19
Figure 3-5: FGD by LAP/RAP team for payment of CUL by DC, Khulna for Polder-32 & 33.....	19
Figure 3-6: FGD by LAP/RAP team for payment of CUL by DC, Bagerhat for Polder-35/1 & 35/3. 19	
Figure 3-7: HH 374 Before relocation of Polder-32 .....	21
Figure 3-8: HH 187 After relocation of Polder-35/1 .....	21
Figure 3-9: HH 376 Before relocation of Polder-32 .....	22
Figure 3-10: HH376 After relocation of Polder-32 .....	22
Figure 3-11: HH 189 Before relocation of Polder-35/1 .....	22
Figure 3-12: HH 189 After relocation of Polder-35/1 .....	22
Figure 3-13: Before Relocation HH 193 in Polder 35/1.....	22
Figure 3-14: After relocation HH 193 in Polder 35/1.....	22
Figure 3-15: Group Relocation site: Meeting at CEIP Village, Uttar Kamarkhola under Polder-32	23
Figure 3-16: Group Relocation site: Chunkuri (Dangapara) CEIP-1 Resettlement Village under Polder-33 .....	23
Figure 3-17: Group Relocation site at Jhilbunia of polder 35/1.....	23
Figure 3-18: Group Relocation site at khontakata of polder 35/1 .....	23
Figure 3-19: Relocation site at Mollikerber Madrasha Bazar in Polder-35/3.....	24
Figure 3-20: Market Relocation for Joynagar Bazar at Polder 32 .....	24
Figure 3-21: Market Relocation for Anando Bazar, Razapur at Polder 35/1.....	24
Figure 3-22: Two different Group relocation sites of Pochim Kuakata of Polder 48 .....	33
Figure 3-23: Khajura village Group relocation of Polder-48 .....	33
Figure 3-24: Another group of relocation of Pochim Kuakata of Polder 48 .....	33
Figure 3-25: HH 226 before relocation in Polder-41/1 .....	34
Figure 3-26: HH 226 after relocation in Polder-41/1.....	34
Figure 3-27: HH 226 before relocation in Polder-41/1 .....	34
Figure 3-28: HH 226 after relocation in Polder-41/1.....	34
Figure 3-29: HH 415 Before relocation in Polder-41/1 .....	34
Figure 3-30: HH 415 After relocation in Polder-41/1.....	34
Figure 3-31: Graphical Presentation of List of Equipment Contractor of Package-1 .....	53
Figure 3-32: S-Curve of Package-1 .....	55
Figure 3-33: Construction/Re-sectioning of Embankment of Package-1 .....	68
Figure 3-34: Drainage Channel of Package-1.....	68
Figure 3-35: Construction of Drainage Sluices of Package-1 .....	68
Figure 3-36: Construction of Flushing Sluice of Package-1 .....	69
Figure 3-37: Construction of Slope Protection of Package-1 .....	69
Figure 3-38: Construction of Bank Protection of Package-1 .....	69
Figure 3-39: CC Blocks Production of Package-1 .....	70
Figure 3-40: Graphical Presentation of CC Block Production for Package-1.....	71
Figure 3-41: Completed Embankment in Polder-32 .....	71
Figure 3-42: Completed Slope Protection Works in Polder-32 .....	71
Figure 3-43: Completed DS of Polder-32 .....	72

Figure 3-44: DS-9 of Polder-33 .....	72
Figure 3-45: DS-10 of Polder-33.....	72
Figure 3-46: Completed Slope Protection Works in Polder-32 .....	72
Figure 3-47: FS-17 of Polder-33 .....	72
Figure 3-48: DS-5 of Polder-35/1 .....	72
Figure 3-49: DS-6 of Polder-35/1 .....	73
Figure 3-50: FS-2 of Polder-35/1 .....	73
Figure 3-51: FS-13 of Polder-35/1 .....	73
Figure 3-52: DS-1 of Polder-35/3 .....	73
Figure 3-53: DS-3 of Polder-35/3 .....	73
Figure 3-54: FS-2 of Polder-32 .....	73
Figure 3-55: Construction / Re-sectioning of Embankment of Package-2 .....	98
Figure 3-56: Construction of Drainage Channel of Package-2 .....	98
Figure 3-57: Construction of Drainage Sluice of Package-2 .....	98
Figure 3-58: Construction of Flushing Sluice of Package-2 .....	99
Figure 3-59: Construction of Slope Protection of Package-2 .....	99
Figure 3-60: Construction of River Bank Protection of Package-2.....	99
Figure 3-61: CC Blocks Production of Package-2 .....	100
Figure 3-62: CC Blocks dumping for slope protection work (KM51+041-53+418) in Polder 39/2C .....	103
Figure 3-63: <i>Manufactured CC Blocks piled at the permanent storing yard #A2 in Polder 39/2C</i> .....	103
Figure 3-64: <i>Completed section of slope protection work (KM51+041-53+418) in Polder 39/2C</i> .....	103
Figure 3-65: <i>Placing of CC block for DS-03 in Polder 40/2</i> .....	103
Figure 3-66: <i>Form work for end sill of DS-05 in Polder 40/2</i> .....	103
Figure 3-67: <i>CC Blocks manufacturing at yard #2 (KM13+000) in Polder 41/1</i> .....	103
Figure 3-68: Excavation / Re-sectioning for drainage channel of DS-04 (KM0+000-0+260) in Polder 41/1 .....	104
Figure 3-69: <i>Earth Work for Embankment KM1+000 to Km2+000 in Polder 43 /2C</i> .....	104
Figure 3-70: <i>Earth work for embankment KM0+900-1+300 in Polder 43/2C</i> .....	104
Figure 3-71: <i>Excavation / Re-sectioning for drainage channel of DS-07 (KM0+000-2+440) in Polder 43/2C</i> .....	104
Figure 3-72: <i>Completed Section Drainage Channel for DS-07 in Polder 43/2C</i> .....	104
Figure 3-73: <i>Excavation / Re-sectioning for drainage channel of DS-03 in Polder 47/2</i> .....	104
Figure 3-74: CC Blocks placing for loose apron (C/S) & slope of DS-01 in Polder 47/2.....	105
Figure 3-75: <i>CC Blocks manufacturing at yard #1 (KM7+000) in Polder 47/2</i> .....	105
Figure 3-76: <i>Discuss with EPs in chainage km 44+000 to km 44+500</i> .....	105
Figure 3-77: <i>Back filling for DS-01 in Polder 48</i> .....	105
Figure 3-78: <i>Earth work for embankment KM16+134-17+000 in Polder 48</i> .....	105
Figure 3-79: <i>Synthetic bags placing for emergency slope protection work 31+280-31+408 in Polder 48</i> .....	105
Figure 3-80: Emergency Work of Polder-48 .....	108
Figure 3-81: S-Curve for Package-2 .....	112



## 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 June 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 June, 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 the progress of the construction of civil 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 June 2019 regarding Package-1 are summarised below as follows:

1. The physical progress up to June 2019 is 79.34% against the target of 83.41%.
2. Based on this we have determined that the actual progress is little lagging than the revised target (83.41%) by 4.07%. Hence the Contractor will be requested to submit the revised work program considering that the remaining whole works are to be completed within the approved revised time for Completion. In May 2018, the Contractor submitted his official claim for Extension of Time based on the following:
  - i) Delays due to late award of Contract on **01 November 2015**;
  - ii) Extension of time due to delays in handing over the land and possession of 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 up to 30 June 2020 by the Employer vide Memo No. CEIP-1/W-01/331 dated: 18-03-2019 with the condition that no further claim will be acceptable due to this Extension of Time.
3. Contractor has completed 35 Nos. Drainage Sluices and 28 Nos. Flushing Sluices upto June 2019 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 June 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 the Contractor doing so and this has resulted in improvements in June 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 June 2019 they have dumped about 1,103,652 nos. 50Kg Synthetic Bag, 1,500 nos.75Kg Synthetic Bag. 26,664 nos.250Kg Geo Bag & 22,705 nos.175Kg Geo Bag, to create the foundation of the closure. However, the progress of Nalian closure is more or less same as per revised program.

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. The approval of the Variation Order No.2 has not yet been received by the Engineer.
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 has already been approved by the concerned Design Office of BWDB. Work order for Fabrication and Installation of Gates and Hoists, based on revised design, was issued to the contractor immediately after getting approval of the revised design. In this respect the Variation Order No.4 is under preparation.
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 Consultant's related part of those have been met up and the revised version of the Variation Order No.3 has been submitted to PMU on 24<sup>th</sup> April 2019. The approval of the Variation Order No.3 has not yet been received by the Engineer.
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) the remaining 14 nos of repairing of Flushing Sluices have already been completed. There was a provision for repairing works of 2 nos. Drainage Sluices which have already been completed.

### **1.2.2 Package-2 implementation**

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

1. The physical progress up to June 2019 is 28.85% against the target of 50.41%.
2. The Contractor failed to achieve the targets progress set for FY 2017-2018 for poor progress 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 at all satisfactory also. Meetings with higher Management of Contractor were held and an action plan was prepared, however, follow-up is lacking, and Engineer is pushing the Contractor to accelerate the progress.
4. As per requirement of the 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 2019-20. 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, an accelerated work program are being prepared by the contractor and assured to be submitted by the middle of August. However, as per revised program there was target to complete 50.41% of the Physical Work by June, 2019 but the actual progress is lagging by 21.56%. Hence the Contractor has also requested to submit the revised work program considering the lagging to complete the remaining works within the contract period.

### **1.3 Other tasks of Consultants**

The key issues for the month of June 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. After review the World Bank provided some comments on the reports. The responses of the World Bank comments on EIA/EMP reports of package-3 Polders are under process.
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.

### **1.4 Key challenges and risks and recommendations**

#### **1.4.1 Key challenges and risks**

Key challenges and risks are listed below:

1. The weather conditions in June 2019 were not favourable for construction of civil works.
2. Risks related to the site situations not being available remains valid for June 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;

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). Several times discussions were held with PD regarding Budget Neutral Modified Contract No-3 and the last discussion was done on 20.05.2019 at the PMU office chaired by PD. A detailed discussion was done and PD gave some observations on the submitted proposed Budget Neutral Modified Contract No-3 and advice to submit the proposed Budget Neutral Modified Contract No-3 after proper revision as discussed. The Consultant submitted updated proposal for Contract Modification No.-3 on 18 June, 2019. PMU CEIP-1 response to the proposal on 20 June, 2019 with some observations. The Contract Modification No.-3 is under preparation with the review of the observations of PMU.

## 1.4.2 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. Proposal for Contract Modification No.-3 will be submitted by the Consultants very soon.

## 1.5 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 <sup>rd</sup> November 2017	Continuous	Consultants	Continuous	mostly	Consultant's report improvements done, Contractor achieved most of the requirements, EHS improvement is being continued
Nov17-003	Revised Work Plan including methodology and resource planning.	30-11-17	Contractor		Partly	<ul style="list-style-type: none"> <li>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. Extension of time upto 30 June 2020 has been approved by the competent authority. Hence it may be considered that the submitted work program has also been approved.</li> </ul>
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 was recommended by the Consultants with judicious justifications and sent to PMU. As per instruction of the Project Director the Contractor was 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. The Extension of Time has been approved up to 30 June 2020 by the Employer vide Memo No. CEIP-1/W-01/331 dated: 18-03-2019 with the condition that no further claim will be acceptable due to this Extension of Time.

Action No.	Description of action	By when	By whom	Done by and can be deleted from this Action Log next month		Remarks
				Date	Done	
Dec17-003	Prepare workshop on innovative design approaches adopted for CEIP-1 Project,	31-01-2018	Consultants	May 27, 2015	Done	The Workshop for new design approaches for CEIP-1 was organized in 27 May 2015. Hence the action as asked for may be deleted.
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			<ul style="list-style-type: none"> <li>The Contractor submitted a draft work program following the recommended extension of time up to June 2020 and the same was reviewed by the Engineer and sent to PMU. The extension of time has been approved by the Employer. Hence it may be considered that the submitted work program has also been approved.</li> </ul>
Jan18-003	Take measures to further increase progress of works Package-2	20-02-2018	Contractor and Engineer			Meetings with higher Management of Contractor, Package-2 were held and an action plan is being prepared, however, follow-up is lacking, and Engineer is pushing the Contractor. The Contractor has failed to execute the work as per target. Hence the Contractor will be requested to submit the revised work program so that the remaining work can be completed within the contract period.
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 20 19-2020. and also will be followed during the preparation of updated work program.

## 1.6 Contractual Tasks of DDCS&PMS Consultants

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

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

The construction works will be executed by BWDB as **Employer** and the Consultant will function as the **Engineer** of the civil works contracts. The Consultant will administer the civil works contracts and ensure that the project works are implemented in accordance with the provision of the contracts. The Consultant will be required to nominate an Engineer's representative for a group of Polders under each contract who will be a full-time resident in the area encompassing the designated Polders.

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

### 2.1 Package-1

No.	Item	Key Achievements during the month – Package-1
1	Modelling	Not applicable
2	Surveys and Design	Several designs prepared and implementation of some Emergency Works have been completed and protected the Polder area from saline water intrusion and some Emergency Works are in progress.
3	Works	<ul style="list-style-type: none"> <li>➤ Construction / Re-Sectioning of Embankment: 28.953 Km (Full) &amp; 26.457 Km (Part)</li> <li>➤ Excavation / Re-Excavation of Drainage Channel: 45.451 Km</li> <li>➤ Construction of Drainage Sluice: 2 no. (Full) &amp; 4 nos. (almost complete)</li> <li>➤ Repair of Drainage Sluice: 2 nos. (Full).</li> <li>➤ Construction of Flushing Inlet: 3 nos. (Full) &amp; 06 nos. (almost completed)</li> <li>➤ Repair of Flushing Inlet: 7 nos. (Full)</li> <li>➤ Embankment Slope Protection Works: 2.826 Km</li> <li>➤ River Bank Protection Works: 0.00 Km</li> <li>➤ Nalian Closure Dam: Foundation work 70% completed.</li> </ul>
4	Contractor Resources	Updated by Contractor Package-1 in terms of labour and equipment.
5	RAP and status of resettlement Payment	<ul style="list-style-type: none"> <li>• <b>6,127</b> entities (residential HHs, commercial premises and common property structures) were identified during updating of Inventory of Losses (IoL) in March-June 2015 of whom 820 on private land (titled) and 4,633 on government land non-titled EPs (Squatters) and among 4,633 EPs, 448 tenants and 226 were wage laborers.</li> <li>• <i>The final numbers of entities as of June 2019 stands at <b>5,351</b> of whom <b>4,623</b> non-titled (Squatters), <b>448</b> tenants and <b>280</b> as wage labors.</i></li> <li>• <b>BDT 5897.66</b> lac has been paid to the <b>3965</b> non-titled EPs (squatters) as compensation/resettlement benefit against their affected residential, fish gher, commercial, tress. Moreover, the compensation has been paid for Social Forestry (27 nos. for CPR) is BDT 16.12 lac and for removing 48 nos. electric poles an amount of BDT 13.05 lac. In total <b>5897.36</b> lac has been compensated against Package-1 up to June 2019.</li> </ul>
6	LAP	<ul style="list-style-type: none"> <li>• 131.03 ha land was Programmed for Land Acquisition (LA) in four polders.</li> <li>• Possession received a total of 116.57 ha and possession of total 14.46 ha lands are yet to be received out of which total 11.12 ha lands are of Polder 35/1 against three mouzas (Kumarkhali-1.62ha, Rayenda-2.57ha &amp; Sharankhola Mouza - 6.93ha) &amp; 3.34 ha lands are of Polder 33 against one mouza (Banishanta).</li> <li>• The proposal for 3.34 ha. land of Banisanta mouza of Polder-33 has sent on 10/10/2018 to the MoL by DC for final approval and MoL approved 3.34 ha land on 13/01/2019. Accordingly Notice U/S-7 has been served as per new Act'17.</li> </ul>



No.	Item	Key Achievements during the month – Package-1
		<ul style="list-style-type: none"> <li>• Fund of CUL has been placed to D.C, Khulna by BWDB. Issuing of Notices U/S-8 is under process and will be served soon.</li> <li>• On the other hand, in Polder-35/1, reconnaissance field visit has been completed for 11.12 ha land under three mouzas (Kumarkhali, Rayenda &amp; Sharankhola) on 18<sup>th</sup> March 2019 by the committee. DLAC for Sharankhola completed on 07 May 2019.</li> <li>• As of June 2019, DC office Khulna &amp; Bagerhat has paid a total BDT 5928.38 lac against 2288 nos. of awardees among Titled EPs (720 nos. of Polder-32, 363 nos. of Polder-33, 841 nos. of Polder-35/1 &amp; 364 nos. of Polder-35/3). <i>Total 35 nos. of titled EPs have been paid under the CUL has been made in June 2019.</i></li> </ul>
7	Relocation	<ul style="list-style-type: none"> <li>• About 97.48% of paid EPs have already been relocated. 53.90% EPs have relocated on their own land; 12.50% on newly purchased land; 17.12% EP has replaced to their relatives or others' land; 11.78% have relocated temporarily at nearby area; about 2.54% of the paid EPs are yet to be relocated from the ROW. About 1.08% &amp; 1.08% have relocated respectively in Market &amp; Group Relocation.</li> </ul>
8	Grievances	<p><b>151</b> complaints/grievances have received up to June 2019 by GRC. <b>33</b> complaints/grievances have been resolved at the entry level, while <b>114</b> cases have been resolved through investigations and formal hearing by GRC. <b>04</b> 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.</p>
9	Environment	<p>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.</p>
10	Value of Physical Work Done	<p>The total value of physical work done up to <b>June 2019 is BDT 5535.85 million</b> and during <b>June 2019 is BDT 252.27 million.</b></p>
11	Finance	<p>Total expenditure incurred up to IPC-21 is <b>BDT 5296.30 million</b> including Adjustment for Changes in Legislation (VAT &amp; IT) &amp; Adjustment for Changes in Cost. An amount of <b>BDT 660.89 million</b> has been recovered from the advance payment of <b>BDT 660.89 million.</b></p>
12	Contract Administration	<p>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 &amp; M Division. The determination rate of the Engineer has been compared with the schedule rate of Khulna O &amp; M Circle and found determination rate is lower than the schedule rate of Khulna O &amp; M Circle. Hence, the Variation Order No.3 has been submitted based on the Engineer's</p>

No.	Item	Key Achievements during the month – Package-1
		<p>determination rate to PMU on 25 February 2019. Some observations were made on the Variation Order No.3 by the World Bank and Consultants related part of those have been met up and the revised version of the Variation Order No.3 has been submitted to PMU on 24<sup>th</sup> April 2019. The approval of Variation Order No.3 is under way as per information of the PMU.</p> <p>Draft Contract Supplement No.1 of Package-1 was prepared including VAT &amp; IT adjustment for changes in legislation, Financing charges for delay payment for VAT, IT &amp; IPC and additional cost for Physical &amp; Financial Contingencies and submitted to PMU. The Project Director, CEIP-1 has made some observations and suggestions on the Draft Contract Supplement No.1 on 29<sup>th</sup> April 2019 and accordingly the Draft Contract Supplement No.1 has been revised and the revised version has been submitted to PMU on 12 May 2019. It was sent to World Bank on May 19, 2019 for Bank's review and concurrence. The World Bank provided their concurrence on 02 June 2019 and that was sent to Board on 09 June 2019 by PMU for approval. The Board has approved the Contract Supplement No.1 on 27 June 2019. The Contract Supplement No.1 has been signed between the Employer &amp; the Contractor on 27 June 2019.</p>

## 2.2 Package-2

No.	Item	Key Achievements during the month – Package-2
1	Modelling	Not applicable.
2	Surveys and Design	Designs were completed long ago. Contractor CICO has completed some sections of pre-construction surveys of 6 Polders and subsequently shop drawings also completed based on which the physical works were executed during the first dry season period 2017-2018. The Contractor has conducted pre-construction surveys for the some sections of the Polders and following the same shop drawings are prepared before executing the works in FY 2018-2019. The pre-sections surveys for the rest sections of the Polders will be conducted during FY 2019-2020 depending on the availability of land and subsequently shop drawings will be prepared before physical execution of works. Task force will be included in all survey works.
3	Works	<ul style="list-style-type: none"> <li>➤ Construction / Re-sectioning of Embankment: 0.00 Km (F) &amp; 13.30 Km (P)</li> <li>➤ Drainage Channel Excavation/Re-excavation: 3.299 km (F)</li> <li>➤ Construction of Drainage Sluices: 19 nos. (p)</li> <li>➤ Repair of Drainage Sluices: 1 no. (p)</li> <li>➤ Construction of Flushing Inlets: 15 nos. (p)</li> <li>➤ Repair of Flushing Inlets: 2 nos. (p)</li> <li>➤ River Bank Protections: 0.150 Km (F)</li> <li>➤ Embankment Slope Protection Work: 0.550 km</li> </ul>
4	Contractor Resources	Contractor has received the full advance payment against the first instalment & had been spent the money to purchase machineries and equipment; Chinese engineers and supporting personnel have mobilized, and the same is true for the recruitment of local labour; The 2 <sup>nd</sup> instalment is using for procurement of construction materials and other field requirements.

No.	Item	Key Achievements during the month – Package-2
5	RAP and status of resettlement Payment	<ul style="list-style-type: none"> <li>• A total of <b>6693</b> entities have been identified of whom <b>1755</b> entities are titled and <b>4779</b> are non-titled on Government land (squatters). It is to be noted which June fluctuate, 195 units are identified as comm. That the number of 159 nos. of EPs has been deducted from recent survey and technical reason by field verification jointly by the DDCS &amp; PMS Consultant along with LAP/RAP team. Among the identified squatters /non-titled EPs, A total of 864 tenants (801 are commercial and 63 are residential HHs) and 386 wage labours.</li> <li>• 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 laborers). The tenants and wage labours are not included in the current EP list.</li> <li>• <b>4,081</b> EP ID Cards have been 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, 567 nos. of Polder-43/2C, 694 nos. of Polder-41/1 and 1284 nos. of Polder-40/2 which all has sent to the concern XEN's for issuance. There after a total of <b>2,054</b> EP ID cards issued by the concerned XEN which includes 890 nos. of Polder-48, 160 nos. of Polder-47/2, 438 nos. of Polder-43/2C, 181 nos. of Polder-41/1 and 385 nos. of Polder-40/2.</li> <li>• A total of <b>2491</b> 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 <b>1941</b> EPs have been received compensation/Resettlement benefits.</li> <li>• The 2nd indent (part-2) of compensation payment under package-2 has submitted to the Project Director, CEIP-1 for his review and approval.</li> </ul>
6	Preparation of LAP	<ul style="list-style-type: none"> <li>• 154.87 ha land was Programmed for Land Acquisition (LA) in six Polders of Package-2.</li> <li>• The land acquisition proposal for six polders under Package -2 has been submitted to concern DC (Pirojpur, Jhalokhathi, Barguna and Patuakhali) for acquisition.</li> <li>• 139.26 ha land has been approved by MoL for Polder 39/2C, 40/2, 41/1, 47/2 &amp; 48. BWDB has placed fund against CUL to DC, Barguna for Polder-40/2 and Polder-41/1, DC, Pirojpur &amp; Jhalakhathi for 39/2C, DC, Patuakhali for Polder-48.</li> <li>• 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, Sohorirrirchar). All the 5 Mouza were sent to the MoL for final approval. Remaining 6 (Six) mouzas have been returned for necessary correction by BWDB. By this time, 4 of them has already been submitted to the DC after correction and the remaining 2 mouza are in the process of correction and will be submitted to the DC at soonest possible time..</li> <li>• For Polder-39/2C, Notice U/S- 6 served &amp; U/S-7 is under process. Fund placed against final estimate to DC Pirojpur for 105.91 ha of lands and DC, Jhalokathi for 10.18 ha of land.</li> </ul>

No.	Item	Key Achievements during the month – Package-2
7	Relocation	<ul style="list-style-type: none"> <li><b>44.19%</b> EPs have relocated on their own land; <b>6.89%</b> on newly purchased land; <b>9.57%</b> EPs have relocated to relative's or others' land; <b>18.36%</b> have relocated temporarily at nearby area; <b>14.15%</b> of the paid EPs are yet to be relocated from the ROW. <b>6.84%</b> made group relocation.</li> </ul>
8	GRC & FGD	<ul style="list-style-type: none"> <li>A total number of <b>45 nos.</b> complaints/grievances have been received up to June 2019 by GRC. <b>25 nos.</b> of them have been resolved in the entry level by the field investigation and remaining <b>20</b> cases under process for investigation and formal hearing by GRC.</li> <li>Total of <b>1019 nos. focus</b> group meetings have been held with resolution. Some of the groups have been met twice or more.</li> </ul>
9	Environment	The Contractor is carrying out the EHS compliances, which is improving with time through monitoring and learning. World Bank provided some comments on the 3 <sup>rd</sup> 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 <b>June 2019</b> is <b>BDT 2717.55 million</b> and during <b>June 2019</b> is <b>BDT 1032.53 million</b> .
11	Finance	Total expenditure incurred up to IPC-09 is <b>BDT 2698.55 million</b>
12	Contract Administration	The Variation Order No.1 has been submitted to PMU vide Consultant's reference RDCOR_BC5883-100_L002119_DJK_MAR dated:20 June 2019 due to introduce of new sizes of CC Blocks for the Slope Protection Work as per design drawing.

### 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 progress. The outcomes of the mathematical modelling are being used as input and boundary conditions for design of the structures under Package-3. The draft detailed design of all the infrastructures like Embankment, Drainage Channels, Drainage Regulators, Flushing Regulators, Slope Protection works, Bank Protections works Repairing of Drainage Regulators and Repairing of Flushing Regulators etc have been submitted to the concerned design office of BWDB within June,2019. Among them the design of Embankment of 7 (Seven) Polders and design of 4 drainage Regulators have been approved by the Design Circle-5. The design of the remaining infrastructures is under process of approval by the concerned Design office.
3	Bid Documents	The preparation of Bidding Documents is under process except some correction for the change of design of draft drainage sluices.
4	RAP	<ul style="list-style-type: none"> <li>Following the accomplishment of the map of alignment fixing by the Engineering Team of DDCS &amp; PMS Consultant, the LAP/RAP team has completed the Households (HHs)</li> </ul>

No.	Item	Key Achievements during the Month – Package-3
		numbering and Inventory of Losses (IoL) survey in all 7 Polders under Package-3 of CEIP-1. <ul style="list-style-type: none"> <li>A total of 20 Community/Stakeholder Consultation meeting were held at 15 different venues of the Polders. Draft RAP has been prepared.</li> </ul>
5	LAP	LAP/RAP team has submitted the draft LAP for all Polders to XEN, CEIP-1 Khulna and PD office for checking & verifying as per Terms of Reference (TOR) of Acquisition & Requisition of Immovable Property Act 2017. But as per latest decision, the LAP has to be revised based on the revised LAP to be prepared by providing crest width of embankment 6.00m instead of 4.50 m.
6	Environment	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. 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. 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.

## 2.4 DDCS&PMS Consultancy Services

No.	Item	Key Achievements upto this Month - Consultant
1	Construction Supervision Systems/Tools	Package-1 physical progress is 79.34% (4 Polders). Package-2 physical progress is 28.85% (6 Polders). Package-3 no contract, hence no site works (7 Polders).



### 3. Project Progress

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

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

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

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

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

Date of Bidding	:	10 March, 2015
Notice of award	:	21 September, 2015
Signing of Contract	:	1 November, 2015
Commencement of Works	:	26 January, 2016
Original Target for completion	:	25 January, 2019
Revised Target for completion	:	Polder-32 & 35/1: 30 June, 2020 Polder-33: 31 <sup>st</sup> March, 2020 Polder-35/3: 30 June, 2019
Contract Value	:	BDT: 6,969,113,205.00

##### 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-June 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 June 2019 stands at **5,351** of whom **4,623 non-titled (Squatters)**, **448 tenants** and **280** as wage labourers. 04 newly added EPs has been included in Polder 33 river bank & embankment protection. Payment of compensation, grants and resettlement benefits for four Polders under Package-1 was started in June 2016. As of June 2019, a total of **BDT 5897.66 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 June 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	1466	157	75	1698	1201	1723.38
35/1	1624	196	171	1991	1252	2197.47
35/3	282	9	11	302	261	394.28
<b>Total</b>	<b>4623</b>	<b>448</b>	<b>280</b>	<b>5351</b>	<b>3965</b>	<b>5868.49</b>
Paid for Social Forestry for 27 unit in 33 & 35/3					27	16.12
Paid for Electric Pole for 48 Unit in 33, 35/1 & 35/3					49	13.05
<b>Grand Total</b>					<b>4041</b>	<b>5897.66</b>

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:

- Among the total number of **5,351 non-titled** EPs, the ID numbers of all (100%) were devised;
- Opening of Bank Accounts of non-titled EPs were completed for 5,351 (100%);
- Preparation of EP ID Cards for non-titled EPs 5,351(100%);
- EP ID cards have been checked & verified by Resettlement Specialist is 5,346 (99.9%); EP ID cards have been issued by XEN 5,346 (99.9%).
- Necessary processing is under process for the newly affected 4 (four) EPs for river bank protection of Polder 33 under Package-1.

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

The payment of compensation has been started under Law (CUL) to the Titled EPs is going on by DC office both Khulna & Bagerhat. As of June 2019, DC office Khulna & Bagerhat has paid a total BDT **5,928.38** lac against **2288 nos.** of awardees among Titled EPs (720 nos. of Polder-32, 363 nos. of Polder-33, 841 nos. of Polder-35/1 & 363 nos. of Polder-35/3). **35 nos. of EPs have been paid under the CUL has been made in June 2019.** As the continuous process BWDB and the social team is keeping contract with the concern DC office for expediting the CUL payment and holding meeting regularly. 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 June 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	720	415	1094.14	67.73
33	2066	1317	770.04	363	186	556.94	72.33
35/1	1087	1087	4525.92	841	740	3233.37	71.44
35/3	489	489	1510.51	364	297	1043.93	69.11
<b>Total=</b>	<b>6645</b>	<b>4916</b>	<b>8421.84</b>	<b>2,288</b>	<b>1,638</b>	<b>5,928.38</b>	<b>70.39</b>

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

The payment has been made for **1225** residential structures against target of **1545**, paid for **62** nos. commercial structures out of **67** and paid for **1001** nos. of land awardees out of **5033**. Payment made for total **35** nos. titled EPs during the month of June 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 June 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	291	14	415	720
33	185	32	1849	2066	119	27	217	363
35/1	729	15	343	1087	590	15	236	848
35/3	234	06	249	489	225	06	133	364
<b>Total=</b>	<b>1545</b>	<b>67</b>	<b>5033</b>	<b>6645</b>	<b>1225</b>	<b>62</b>	<b>1001</b>	<b>2288</b>

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 payment of CUL by DC, Khulna for Polder-32 & 33



Figure 3-6: FGD by LAP/RAP team for payment of CUL by DC, 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 74 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.

- 53.90% EPs have relocated on their own land;
- 12.50% 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;
- 2.54% of the paid EPs are yet to be relocated from the ROW.
- 1.08% & 1.08% have relocated respectively in Market Relocation & Group Relocation.

Table 3-4: Update Relocation Status as of June 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	69	270	45	496	12.50
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
<b>Total Relocated-A</b>	<b>1216</b>	<b>1127</b>	<b>1192</b>	<b>244</b>	<b>3779</b>	<b>95.30</b>
Not yet relocated	15	74	11	00	100	2.54
Market Relocation	06	00	20	17	43	1.08
Group Relocation	14	00	29	00	43	1.08
<b>Total Relocation-B</b>	<b>35</b>	<b>74</b>	<b>60</b>	<b>17</b>	<b>186</b>	<b>4.70</b>
<b>Total Relocation target (A+B) =</b>	<b>1251</b>	<b>1201</b>	<b>1252</b>	<b>261</b>	<b>3965</b>	<b>100</b>

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

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

Table 3-5: Physical 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
<b>Total =</b>		<b>2773</b>	<b>1192</b>	<b>3965</b>

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

It is evident from the majority of the displaced people **56.26%** relocated to self-managed land. It is very important that **15.18%** people have been settled in purchased land and hope the group will be sustained.

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

Status of relocation	Number of squatters relocated by Polders					Progress in percentage (%)
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total Physical Displacement	
Relocated on own land	461	527	475	97	<b>1560</b>	56.26
Relocated on purchased land	103	35	241	42	<b>421</b>	15.18
Relocated on relative & other's land	173	126	152	10	<b>461</b>	16.62
Relocated Temporarily at nearby area (Govt. Land)	109	116	--	01	<b>226</b>	8.15
Not yet relocated	04	27	00	00	<b>31</b>	1.12
Group Relocation	14	31	29	--	<b>74</b>	2.67
<b>Total =</b>	<b>864</b>	<b>862</b>	<b>897</b>	<b>150</b>	<b>2773</b>	<b>100</b>



### 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	
<b>Total =</b>	<b>387</b>	<b>339</b>	<b>355</b>	<b>111</b>	<b>1192</b>	<b>100</b>	

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

The relocation so far made for the titled affected households those of who were compensated under law are stated in the following table. The progress in relocation reveals that **1198** residential has relocated out of **1224** where progress for the month of June 2019 is **18** 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	291	281	14	14
33	119	115	27	27
35/1	589	581	15	15
35/3	225	221	06	06
<b>Total</b>	<b>1224</b>	<b>1198</b>	<b>62</b>	<b>62</b>

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

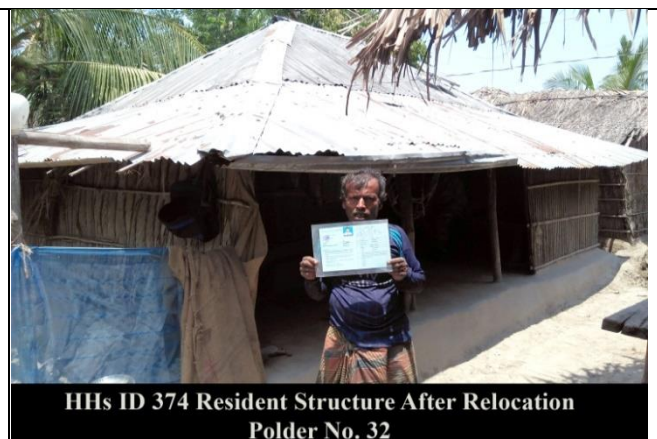


Figure 3-7: HH 374 Before relocation of Polder-32

Figure 3-8: HH 187 After relocation of Polder-35/1





Figure 3-9: HH 376 Before relocation of Polder-32

Figure 3-10: HH376 After relocation of Polder-32



Figure 3-11: HH 189 Before relocation of Polder-35/1

Figure 3-12: HH 189 After relocation of Polder-35/1



Figure 3-13: Before Relocation HH 193 in Polder 35/1

Figure 3-14: After relocation HH 193 in Polder 35/1

### 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. Another group relocation made in Polder 33 named Chunkuri Dangapara CEIP-1 Village comprises a total 22 Eps made the Village.





Figure 3-15: Group Relocation site: Meeting at CEIP Village, Uttar Kamarkhola under Polder-32



Resident Structure After Relocation Village  
Polder No. 33

Figure 3-16: Group Relocation site: Chunkuri (Dangapara) CEIP-1 Resettlement Village under Polder-33



Figure 3-17: Group Relocation site at Jhilbunia of polder 35/1

Figure 3-18: Group Relocation site at khontakata of polder 35/1

**Business/Market Relocation of Package-1**

Some businessmen / shopkeepers have relocated their commercial structures by themselves. Some of them have already been selected the relocation spots/location and hope that they will shift soon. Two Bazars (Mollikerber Madrasha Bazar in Polder 35/3 & Terabeka Bazar in 35/1) have been identified for relocation and LAP/RAP team is continuing motivational effort in these areas. Progress



made for June 2019 describes that another market relocation caused to happen at Joynagar Bangar at Polder 32 comprises 6 shopkeepers has made group market relocation.

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

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



Figure 3-19: Relocation site at Mollikerber Madrasha Bazar in Polder-35/3



Figure 3-20: Market Relocation for Joynagar Bazar at Polder 32



Figure 3-21: Market Relocation for Anando Bazar, Razapur at Polder 35/1

### 3.1.8 Grievance Redress Mechanism (GRM)

A total **15** Grievance Redress Committees (GRC) have been formed (**1 for each Union**) in four Polders under Package-1 with the representatives of BWDB, Union Parishad, Educational Institution, PAPs, Women representatives and LAP/RAP team. The organogram of GRC is given as follows Table 3-9:

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 June 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 convener of the GRC. Grievance of Selina Begum resolved and no grievances remain regarding her land after on 20<sup>th</sup> 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
<b>Total =</b>			<b>151</b>	<b>33</b>	<b>114</b>	<b>04</b>

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

### 3.1.9 Consultation and Participation (Citizen Engagement)

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

Regard to consultation meeting on social issues, consultation meetings as per need have been conducting by the DDCS&PMS Consultants along with the PMU experts. For example, similar consultations were organized in four Polders under package -1 in 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 DDCS & PMS Consultants, LAP/RAP Team, BWDB local affected beneficiaries and local government representatives both in package-1 and package-2.**

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

The possession of land **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 out of which total 11.12 ha lands are of Polder 35/1 against three mouza (**Kumarkhali-1.62ha, Rayenda-2.57ha & Sharankhola Mouza-6.93ha**) & 3.34 ha lands are of Polder 33 against one mouza (Banishanta). The proposal for 3.34 ha land in Banishanta mouza has already approved by MoL. Issuance of Notice U/S-7 is completed. Fund has been placed against final estimate to DC, Khulna by BWDB issuance of notice U/S 8 is in progress. On the other hand, in Polder-35/1, reconnaissance field visit has been completed for 11.12 ha lands under three mouzas (Kumarkhali, Rayenda & Sharankhola) on 18<sup>th</sup> March 2019. DLAC completed only for Sharankhola Mouza on 07/05/2019. 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	<b>1094.14 (68%)</b>	Persuasion going on with APs to expedite the CUL payment.
2	33	Khulna	10.94	10.94	10.94	10.94	10.94 (27.09.17)	-	-	770.04	<b>556.94 (72.33%)</b>	Persuasion going on with APs to expedite the CUL payment. Notice U/S-7 served as per new Act'17, for additional 3.34 ha. Fund placed to DC office on 08/05/2019 (913.47 in lac). Notice U/S-8 is under process and will be served soon.
			3.34	3.34	3.34	3.34		3.34		913.47		
3	35/1	Bagerhat	41.29	41.29	30.17	30.17	30.17 (22.03.18)	11.12	-	4525.92	<b>3233.37 (71.44%)</b>	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). Approval by DLAC and Notice U/S-4 is under process as per new Act '17. DLAC completed only for Sharankhola Mouza.
4	35/3	Bagerhat	24.81	24.81	24.81	24.81	24.81 (08.11.17)	-	-	1510.51	<b>1043.93 (69.11%)</b>	Persuasion to expedite the CUL payment to APs is going on.
<b>Sub-Total =</b>			<b>131.03</b>	<b>131.03</b>	<b>119.91</b>	<b>119.91</b>	<b>116.57</b>	<b>14.46</b>		<b>9335.31</b>	<b>5928.38 (70.39%)</b>	



### 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, **139.26 ha** land has been approved by MoL for polder 39/2C, 40/2, 41/1, 47/2 & 48. BWDB has placed fund against CUL to DC, Barguna for Polder-40/2 and Polder-41/1 DC, Pirojpur & Jhalokathi for 39/2C, DC, Patuakhali for Polder-48. In Polder- 43/2C, total 11 mouza have been submitted to the DC office, Patuakhali. Among those notices U/S-4 have been issued against 5 (five) Mouza (Golkhali, Purbogolkhali, Kalirchar, Charhoridevpur, Sohorirnirchar). 5 (Five) of those have been sent to the MoL for final approval. Remaining Land acquisition proposal for 6 (Six) mouzas have been returned to BWDB by DC for necessary correction, four of them are resubmitted to DC office, Patuakhali. For Polder-39/2C, Notice U/S-6 has been served & U/S-7 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	Perojpur&Jhalokathi	116.09	116.09	116.09	116.09	-	116.09	--	10052.33	--	Approved by MoL on 06.12.2017. Issuance of Notice u/s- 6 served & U/S-7 is Under process (Pirojpur District. Fund placed to DC 5 against CUL.
2	40/2	Barguna	12.45	12.45	12.45	11.67	0.15	11.52		879.92	<b>123.46</b>	Approved by MoL on 13.03.2018 remain 0.78 ha pending for court Case. Issuance of notices U/S-7 is served for 4 mouza and 1 mouza handed over by DC to BWDB. All Fund placed to DC by BWDB except Court Case portion (0.78 ha).
3	41/1	Barguna	8.29	8.29	8.29	8.29	8.16	0.13		444.52	<b>119.52</b>	Approved by MoL on 13.03.2018, Payment is ongoing for 6 mouza. Possession of 6 mouzas Handover from DC to BWDB (N.B. total 7 mouza) and U/S-7 is served for all 7 mouza. All fund placed to DC by BWDB.
4	43/2C	Patuakhali	14.66	14.66	14.66	--	--	5.64	9.02	--	--	DLAC completed 14.03.2018 & 10.09.18. Among total 11 mouzas, issuance of notices U/S-4 have been completed issued against 5 (five) Mouza. 4 (Four) of them sent to the MoL for final approved and one is under process. Remaining 6 (Six) mouza have been returned for overlapping reason. Among this six mouza, 4 of them resubmitted to DC office.
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 estimate is under process. All kinds of rate (PWD, DoF) has sent to the DC office.
6	48	Patuakhali	1.07	1.07	0.90	0.90	--	1.07	-	341.54	--	Approved by MoL on 9/7/18. Notice U/S-6 is completed fund placed for 0.90 ha. land to DC by BWDB. Issuance of notices U/S-7 is served.
<b>Total=</b>			<b>154.87</b>	<b>154.87</b>	<b>154.76</b>	<b>139.26</b>	<b>8.31</b>	<b>136.76</b>	<b>9.02</b>	<b>11376.77</b>	<b>242.98</b>	

### 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	1487	53	0	31	06	37	28
40/2	1,910	156	1748	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	1417	74	196	27	223	234
<b>Total=</b>	<b>6,693</b>	<b>1755</b>	<b>4779</b>	<b>159</b>	<b>801</b>	<b>63</b>	<b>864</b>	<b>386</b>

Source: Updated IoL (June 2016 – June 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	1748	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	1417	1,376	1,376	1,376	1,376	1,376
<b>Total=</b>	<b>4779</b>	<b>4,614</b>	<b>4,614</b>	<b>4,614</b>	<b>4,614</b>	<b>4,614</b>

Source: MIS and field-level information

A total list of **4,081** 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, 567 nos. of Polder-43/2C, 694 nos. of Polder-41/1 and 1284 nos. of Polder-40/2 which all has sent to the concern XEN's for issuance. Thereafter a total of 2,054 EP ID cards issued by the concerned XEN which includes 890 nos. of Polder-48, 160 nos. of Polder-47/2, 438 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	1284	1284	1284	16/7/17	20/7/17	1284	385
						28/1/18	6/3/18		
						19/03/19	28/03/19		
41/1	821	802	694	694	694	16/7/17	20/7/17	694	181
						22/10/17	7/12/17		
						20/8/18	13/9/18		
						19/03/19	28/03/19		
43/2C	579	567	567	567	567	28/1/18	7/3/18	567	438
						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=	<b>4,779</b>	<b>4,571</b>	<b>4,081</b>	<b>4,081</b>	<b>4,081</b>			<b>4,081</b>	<b>2,054</b>

### 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 **2491** 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 **1941** 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

Sl. No.	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)
0	1	2	3	4	5	6	7	8	9
1	39/2C	-	-	-	-	-	-	-	-
2	40/2	387	<b>3,70,10,767</b>	384	3,68,97,026	343	<b>3,42,50,154</b>	-	-
3	41/1	181	<b>1,93,78,736</b>	180	1,93,74,367	186	<b>2,36,70,613</b>	-	-
4	43/2C	296	<b>3,12,41,086</b>	296	3,12,41,086	142	<b>1,77,96,665</b>	124	<b>1,53,40,297</b>
5	47/2	157	<b>1,50,50,308</b>	157	1,50,50,308	3	<b>537,191</b>	3	<b>537,191</b>
6	48	673	<b>7,31,65,637</b>	673	7,31,65,637	127	<b>1,62,19,069</b>	126	<b>1,60,54,366</b>
<b>Total =</b>		<b>1,694</b>	<b>17,58,46,534</b>	<b>1,690</b>	<b>17,57,28,284</b>	<b>801</b>	<b>9,24,73,692</b>	<b>253</b>	<b>3,19,31,854</b>

The 2<sup>nd</sup> 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 on December 2018 and submitted to the Project Director, CEIP-1 through DDCS&PMS Consultant for review and approval. Another indent as part-2 of 2<sup>nd</sup> indent 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 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 further review and finalization. Accordingly concerned BWDB finalised and payment made to EPs of two polders (47/2 & 48) indent for payment under process for the 2<sup>nd</sup> indent (part-2).

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

The payment of compensation has been started under Law (CUL) to the Titled EPs is going on by DC office both Brguna Districts. As of June 2019, DC office Barguna has paid a total BDT **242.98 lac** against **1341 nos.** of awardees among Titled EPs (793 nos. of Polder-40/2 & 548 nos. of Polder-41/1. **106 nos.** of EPs have been paid under the CUL **in June 2019**. As the continuous process, the social team is keeping connect with the concern DC office for expediting the CUL payment and holding meeting regularly.

Table 3-17: Polder- wise payment made by DCs Khulna & Bagerhat till June 2019.

Polder No.	LA Case/Mauza Name	Total Awardees	No of awardees applied to DC	Total estimated amount of CUL (BDT) Lac	No. of Paid awardees	Nos. of payment cheque distributed	Total paid Amount in BDT Lac	Progress in percentage (based
1	2	3	4	5	6	7	8	9
39/2C	-	-	-	-	-	-	-	-
40/2	08/2016-17, Tafalbaria	360	74	15077770.04	44	60	67.97	
	09/2016-17, Charduani,	273	34	23740540.55	16	21	49.02	
	12/2016-17, Pathorghata	155	-	48292985.65				
	07/2016-17, Soto Tengra	5	15	880716.73	3	4	6.47	
	<b>Total(A)=</b>	<b>793</b>	<b>123</b>	<b>87,992,012.97</b>	<b>63</b>	<b>85</b>	<b>123.46</b>	
41/1	15/2016-17, Burir Char	398	36	28292978.73	22	23	58.39	
	20/2016-17, Boro Lobonkgola	88	53	8099911.49	40	21	27.67	
	16/2016-17, Char Chorokgasia	22	11	2826686.71	1	2	13.5	
	21/2016-17, PoraKata	14	-	875848.34	-	-	0	
	17/2016-17, Napitkhali	11	6	1040622.09	3	4	4.71	
	19/2016-17, Soto Lobonkgola	8	-	1175301.34	-	-	0	
	14/2016-17, Gabtala	7	5	2140731.57	5	8	15.25	
	<b>Total(B)=</b>	<b>548</b>	<b>111</b>	<b>44,452,080.27</b>	<b>71</b>	<b>58</b>	<b>119.52</b>	
43/2C	-	-	-	-	-	-	-	
47/2	-	-	-	-	-	-	-	
48	-	-	-	-	-	-	-	
<b>Total(A+B) =</b>		<b>1341</b>	<b>234</b>	<b>132,444,093.24</b>	<b>134</b>	<b>143</b>	<b>242.98</b>	

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

Following the payment of compensation against the 1<sup>st</sup> and 2<sup>nd</sup> indents the affected people started relocating their structures by their own choice. It was disseminated to the people that if the affected people show their willingness for group relocation, the project will provide some support through civic amenities like construct entrance way, sanitary latrines and tube well etc. BWDB concern and 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 1669 have relocated till June 2019.** Cluster relocation made by 133 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 3-18 after the first indent payment made:

- 44.19% EPs have relocated on their own land;
- 6.89% on newly purchased land;
- 9.57% EPs have replaced to relative's or others' land;
- 18.36% have relocated temporarily at nearby area;
- 14.15% of the paid EPs are yet to be relocated from the ROW.
- 6.84% EPs have made group relocation
- No market relocation has made so far.

Table 3-18: Status of relocation in Package 2

Status of Relocation	Number of squatters relocated by Polders					Total	%
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48		
Relocated on own land	209	80	169	98	303	859	44.19
Relocated on purchased land	11	25	5	5	88	134	6.89
Relocated on relative & other's land	60	27	67	3	29	186	9.57
Relocated Temporarily at nearby area (Govt. Land)	69	41	50	49	148	357	18.36
<b>Total Relocated-A</b>	<b>349</b>	<b>173</b>	<b>291</b>	<b>155</b>	<b>568</b>	<b>1536</b>	<b>79.01</b>
Not yet relocated	30	3	129	5	108	275	14.15
Market Relocation	0	0	0	0	0	0	0.00
Group Relocation	5	4	0	0	124	133	6.84
<b>Total Relocation-B</b>	<b>35</b>	<b>7</b>	<b>129</b>	<b>5</b>	<b>232</b>	<b>408</b>	<b>20.99</b>
<b>Total Relocation target (A+B) =</b>	<b>384</b>	<b>180</b>	<b>438</b>	<b>160</b>	<b>800</b>	<b>1944</b>	<b>100.00</b>

Photos of Group relocation are presented below:



Figure 3-22: Two different Group relocation sites of Pochim Kuakata of Polder 48



Figure 3-23: Khajura village Group relocation of Polder-48

Figure 3-24: Another group of relocation of Pochim Kuakata of Polder 48





**HH ID 226 Resident Structure before Relocation**

Figure 3-25: HH 226 before relocation in Polder-41/1



**HH ID 226 Resident Structure after Relocation**

Figure 3-26: HH 226 after relocation in Polder-41/1



**HH ID 758 Resident Structure before Relocation**

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



**HH ID 758 Resident Structure After Relocation**

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



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

Figure 3-29: HH 415 Before relocation in Polder-41/1



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

Figure 3-30: HH 415 After relocation in Polder-41/1

### 3.1.18 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 3-19: 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	262	158	420
4	47/2	96	64	160
5	48	631	169	800
<b>Total=</b>		<b>1471</b>	<b>473</b>	<b>1944</b>

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

It is evident from the majority of the displaced people (43.37%) relocated to self-managed land. It is very important that 8.70% people have been settled in purchased land and hope the group will be sustained. Only 12.30% people yet to manage any place/land for making shelter/house.

Table 3-20: Relocation Status of Residence (Physical Displacement) in Package-2

Status of relocation	Number of squatters relocated by Polders						Total Physical Displacement	%
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48			
Relocated on own land	181	64	103	57	233	638	43.37	
Relocated on purchased land	11	23	5	3	86	128	8.70	
Relocated on relative & other's land	50	24	52	3	20	149	10.13	
Relocated Temporarily at nearby area (Govt. Land)	62	28	28	28	100	246	16.72	
Not yet relocated	26	4	74	5	72	181	12.30	
Group Relocation	5	4	0	0	120	129	8.77	
<b>Total =</b>	<b>335</b>	<b>147</b>	<b>262</b>	<b>96</b>	<b>631</b>	<b>1471</b>	<b>100.00</b>	

### 3.1.20 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 3-21: 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	<b>216</b>	<b>45.66</b>	
Relocated on purchased land	0	2	0	2	2	<b>6</b>	<b>1.27</b>	
Relocated on relative & other's land	10	3	15	0	5	<b>33</b>	<b>6.97</b>	
Relocated Temporarily at nearby area (Govt. Land)	7	13	22	21	34	<b>97</b>	<b>20.51</b>	
Not yet relocated	5	0	55	3	54	<b>117</b>	<b>24.74</b>	
Group Relocation	0	0	0	0	4	<b>4</b>	<b>0.85</b>	
<b>Total =</b>	<b>49</b>	<b>33</b>	<b>158</b>	<b>64</b>	<b>169</b>	<b>473</b>	<b>100</b>	

### 3.1.21 Grievance Redress Mechanism (GRM)

A total **21** Grievance Redress Committees (GRC) have been formed (1 for each Union) in six Polders under Package-2 with the representatives of BWDB, Union Parishad, Educational Institution, PAPs, Women representatives and LAP/RAP team. The organogram of GRC is given as follows Table 3-22:

Table 3-22: 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 June 2019 by GRC. 25 of them have been resolved at the entry and remaining 20 cases are pending for investigation and formal hearing by GRC. Table 3-23 shows the status of complaints/cases received & resolved by GRC.

Table 3-23: The status of complaints/cases received and resolved by GRC

SL No.	District	Polder no	Total Complaints/cases	Resolved at entry level	Resolved by GRC	Newly lodged Grievances
1	Barguna	40/2	12	0	0	0
2	Barguna	41/1	16	8	0	0
3	Patuakhali	43/2C	17	17	0	0
4	Kalapara	47/2	0	0	0	0
5	Kalapara	48	0	0	0	0
<b>Total =</b>			<b>45</b>	<b>25</b>	<b>0</b>	<b>0</b>

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

### 3.1.22 Focus Group Discussion for Package-2

Focus Groups (FG) formation was targeted based on the number of HHs in the respective Polders. According to the plan **227 numbers of focus group** were formed in 6 Polders under Package-2. A total of **1019 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 3-24: Status on FGDs as of June 2019

Polder No.	FGD Target	FGD Formation	FGD Meeting	During June 2019	Total Achievement
1	2	3	4	5	4+5=6
39/2C	32	32	74	0	74
40/2	57	57	222	2	224
41/1	38	38	183	5	188
43/2C	31	31	190	9	199
47/2	09	09	69	5	74
48	60	60	256	4	260
<b>Total =</b>	<b>227</b>	<b>227</b>	<b>994</b>	<b>25</b>	<b>1019</b>

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

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

### 3.1.24 Database Preparation of Package-2

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

### 3.1.25 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 3-25 below stated the current progress of PAVC activities of Package-2.

Table 3-25: 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

### 3.1.26 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.



### 3.1.27 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.

### 3.1.28 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 Bid Documents of Package-2

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

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

### 3.2.3 Design status of Package-2

All the Detailed Designs of Package-2 were completed long before. The approval status of the Design of all the different types of infrastructures is furnished below in Table 3-26.

Table 3-26: Status of Design for Package-2

Sl 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	-	-	-
<b>Total =</b>		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					
												Drainage Sluice (No.)			Flushing Sluice (No.)		
Target	Achievement		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		Design Prepared **	Design Approved
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.

### 3.2.4 EHS activities in June 2019

According to field visit of Dr. Md. Towhidul Islam, PMU Environmental Specialist (Field) during the month of June, 2019 in Package W-01 and W- 02 for monitoring/ enhancement of EHS level of Package-1 and Package-2 are submitted as follows:

#### EHS level of Package W-01

##### **Polder 32**

##### **EHS Compliance:**

- Proper materials storage at camp site after completion of construction work.
- Discussion made with construction workers regarding maintaining safety measures in dumping works.

##### **EHS Non-compliance:**

- Need to establish grievance collection box at Pankhali CC plant
- The Pankhali CC block yard is temporary off, where fencing as well as special safety measures to be assured for controlling unauthorized access.
- Special safety measures should be assured while dumping in Nalian closure (8-10 nos. life jacket should be provided workers in each boat involved for geo/synthetic bag dumping).

##### **Polder 33**

##### **EHS Compliance:**

- Proper uses of PPE.
- Assured firefighting arrangement in right spaces.
- Ensured developed fuel management system in construction site.
- Well management of organic waste.

##### **Polder 35/1**

##### **EHS Compliance:**

- Proper materials storage at camp site after completion of construction work.
- Increasing the folio of cautionary symbols in CC block yard.
- Assured firefighting arrangement in right spaces.
- Discuss with Contractor's personnel workers regarding special safety in dumping works.



**EHS Non-compliance:**

- Need to establish grievance collection box at Pankhali CC plant
- Lack making safety procedure for barge and follow accordingly.

**Polder 35/3**

**EHS Compliance:**

- Proper materials storage at camp site after completion of construction work.
- Paid special attention in embankment work.
- Regular Tool-box talking maintained

**Non-Compliance:**

- The guard system in Daratana CC manufacturing yard needs to be increased as the site is temporarily closed.

**EHS level of Package W-02**

**Polder 39/2C**

**EHS Compliance:**

- Established grievance collection box for workers at CC block manufacturing plant.
- Assured the well developed earthen drain in the eastern side of Nadmulla CC block yard for quick drainage of the rain water.
- Assured the erection and implementation of safety procedures.
- Proper uses of PPE.
- Assured safe drinking water facilities in construction sites.
- Erection off Increased number of cautionary symbols in CC block yard.
- Assured electrical safety in CC block yard, construction sites and other work sites.
- Conduct Regular Tool-box talking.
- Environmental Monitoring test results are found in site.

**EHS Non-compliance:**

- Fencing of hopper need to be done immediately
- Hearing test of automated CC plant workers need to be done immediately
- Special attention should be paid towards Forklift/Truck drivers

**Polder 40/2**

**EHS Compliance:**

- Proper supply and use of PPE
- Assured the developed chemical storage area in the CC block yard.
- Assured electrical safety in CC block yard, construction sites and other work sites.
- Checking of the noise level.
- Conduct Regular Tool-box talking.

**EHS Non-compliance:**

- Establishment of grievance collection box at CC block yard under contract Package

**Polder 41/1**

**EHS Compliance:**

- Ensured the proper supply/uses of PPE
- Special cautionary signage in generator/high noise area
- Assured well developed Industrial storage area at CC block yard & camp site.

**Polder 47/2**

**EHS Compliance:**

- Ensured proper supply/uses of PPE
- Checking the noise level
- Well-developed material storage system in camp area.

**EHS Non-compliance:**

- Lacking of paved Industrial Waste Storage area
- Lacking of "No Entry" signboard at Polders

**Polder 48**

**EHS compliance:**

- Frequent uses of PPE.
- Assured the erection and implementation of safety procedures.
- Assured electrical safety in CC block yard, construction sites and other work sites.
- Checking the noise level.
- Conduct of the Regular Tool-box talking.

**EHS Non-compliance:**

- Lacking of paved Industrial Waste Storage area
- Lacking of "No Entry" signboard at Polders
- Lack of making stair for workers' easy access to work site.

### 3.2.5 Information on some environmental issues (Package-1)

Various information on environmental issues have been submitted by the Contractor (Package-1) as furnished below:

Table 3-27: Information for the month of June, 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	178	17	11	195	02	00	00	Minor accidents, treated with first aid facilities
Polder 33	320	21	15	341	00	00	00	
Polder 35/1	368	17	20	385	00	00	00	
Polder 35/3	139	11	09	150	00	00	00	
Khulna	19	11	01	30	00	00	00	
<b>Total of Package-1</b>	<b>1024</b>	<b>77</b>	<b>56</b>	<b>1101</b>	<b>02</b>	<b>00</b>	<b>00</b>	

### 3.2.6 Noise measurement (Package-1)

The contractor, Package-1 has made test to evaluate the intensity of Noise Quality (dB) upon the sensitive receivers (Plant operator, curing area, stacking area, camp area, rod cleaning area, drilling area) during the month of June, 2019 around the different CC Block Manufacturing Plant as given below:

Table 3-28: Pankhali Automatic CC Block Manufacturing Plant [1]

Monitoring Location		<b>Polder 35/1, Tafalbari CC Block Manufacturing Plant</b> <b>Coordinates: N 22°16'21.03" E 89°50'20.47"</b>
Monitoring Date & Time		12.06.2019 (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	117.4, 95.7, 87.2
	Curing area (Start point)	84.7, 75.5, 63.5
	Curing area (End point)	86.7, 65.5, 59.3
	Stacking area	78.5, 68.5, 56.6
	House no. 01	68.5, 58.4, 57.5
	Rod cleaning area	84.4, 76.5, 68.7
	Drilling area	78.5, 67.4, 56.6
Daytime Standard of sound, dB (ECR 1997)		50(residential area); 60(mixed area); 70(commercial area); 75(industrial area)

Table 3-29: Daratana Automatic CC Block Manufacturing Plant

Monitoring Location		<b>Polder 35/3, Daratana CC Block Manufacturing Plant</b> <b>Coordinates: N 22°38'36.21" E 89°48'10.66"</b>
Monitoring Date & Time		02.06.2019 (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, 98.5, 80.8
	Curing area (Start point)	85.6, 78.3, 67.5
	Curing area (End point)	74.8, 70.2, 65.7
	Stacking area	85.2, 64.5, 58.6
	House no. 01	83.5, 77.6, 68.3
	Rod cleaning area	78.7, 65.6, 61.8
	Drilling area	82.8, 73.5, 66.8
Daytime Standard of sound, dB (ECR 1997)		50(residential area); 60(mixed area); 70(commercial area); 75(industrial area)

It needs to be mentioned that other automatic CC plants (like plants at polders 32 and 33) were not operative during the month of June. 2019.

### 3.2.7 Information on some environmental issues (Package-2)

Various information on environmental issues have been submitted by the Contractor (Package-1) as furnished below:

Table 3-30: Various environment related information/data

Locations	No. of Total Workers in 6 Polders this Month		No. of environmental trainees in this month	No. of total accidents took place in this month	No. of total environmental grievance in this month	No. of problem faced for environmental compliance in this month	comment
	Local Workers	Expatriate workers					
Polder 39/2C	392	29	80	2	0	0	One leg injury which was sent to local clinic for treatment immediately. One nail injury which was treated with first aid facilities.
Polder 40/2	190	17	30	1	0	0	One worker fell from scaffolding and had some slight bruises. He was then checked by local clinic.
Polder 41/1	147	16	20	1	0	0	One slight arm injury which was sent to local clinic for proper treatment.
Polder 43/2C	61	4	5	1	0	0	One slight toe injury which was treated with first aid facilities.
Polder 47/2	44	14	10	1	0	0	Kitchen helper injured his finger during cooking, which was treated with first aid facilities.
Polder 48	97	11	15	3	0	0	One light finger injury which treated with first aid medicine. One hand injury which was sent to clinic. One slight leg injury treated with first aid facilities.



### 3.2.8 Noise measurement (Package-2)

The contractor, Package-2 has made a test to evaluate the intensity of Noise Quality (dB) upon the sensitive receivers (Plant operator, tray replacement area, curing area, stacking area, curing area, camp area, workshop area, rod cleaning area, kitchen area, drilling area, river area, community area etc.) around the different CC Block Manufacturing Plant during the month of June, 2019 as given below:

Table 3-31: Noise level in Polder 39/2C

Polder 39/2C Noise Record		
Monitoring Location:		Polder 39/2C - Camp Area, CC Block, Manufacturing plant & River Side
Monitoring Date		14-June-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 (Down)	72.6 – 77.7 – 75.15
	Yard-1 (x-486822.98, y-501222.532)	73.5 – 77.3 – 75.4
	Yard-2 (x-486645.32, y-500866.968)	76.2 – 77.2 – 76.7
	Yard-3 (x-479145.64, y-497806.564)	
	Operator of Automatic CC Block Machine (Up)	74.5 – 78.6 – 76.55
	Yard-1 (x-486822.98, y-501222.532)	74.7 – 76.5 – 75.6
	Yard-2 (x-486645.32, y-500866.968)	77.6 – 78.4 – 76.25
	Yard-3 (x-479145.64, y-497806.564)	
	Area for Tray Replacement x-486835.47, y-50222.124	73.2 – 74.5 – 73.85
	Generator Room (Outside)	
	Yard-1 (X:486814.56 Y:501221.421)	85.9 – 87.6 – 86.75 81.4 – 82.4 – 81.9
	Yard-2 (X:486659.23 Y:500870.523)	85.4 – 88.2 – 86.8
	Yard-3 (X:479160.18 Y:497811.852)	
	Generator Room (Inside)	
Yard-1 (X: 486814.69 Y:501221.431)	88.5 – 89.7 – 89.1 85.7 – 88.4 – 87.05	
Yard-2 (X: 486654.22 Y:500870.548)	89.3 – 87.6 – 88.45	
Yard-3 (X: 479160.18 Y:497811.852)		
CC Block Stack Area (80 M from Machine) x-486734.18, y-501289.32	70.7 – 70.2 – 69.45	
Workshop Area x-486732.741, y-502101.72	69.7 – 68.4 – 66.55	
Camp Area x-486715.108, y-502101.107	71.3 – 74.5 – 72.9	
Community (East)	68.5 – 70.2 – 69.35	

	x-486513.74, y-502104.15	
	Community (West) x-486789.23, y-502103.163	66.3 – 65.3 – 65.8
	River Side x-486899.756, y-501973.934	56.3 – 55.4 – 55.85
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area);70(commercial area);75(industrial area)

Table 3-32: Noise level in Polder 39/2C-2

<b>Polder 39/2C Noise Record</b>		
Monitoring Location:		Polder 39/2C - Camp Area, CC Block, Manufacturing plant & River Side
Monitoring Date		29-June-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 (Down)	75.4 – 77.3 – 76.35
	Yard-1 (x-486822.98, y-501222.532)	72.6 – 76.6 – 74.6
	Yard-2 (x-486645.32, y-500866.968)	73.5 – 77.3 – 75.4
	Yard-3 (x-479145.64, y-497806.564)	
	Operator of Automatic CC Block Machine (Up)	73.8 – 76.4 – 75.1
	Yard-1 (x-486822.98, y-501222.532)	75.8 – 77.6 – 76.2
	Yard-2 (x-486645.32, y-500866.968)	74.7 – 76.5 – 75.6
	Yard-3 (x-479145.64, y-497806.564)	
	Area for Tray Replacement x-486835.47, y-50222.124	71.6 – 74.3 – 72.95
	Generator Room (Outside)	
	Yard-1 (X:486814.56 Y:501221.421)	87.2 – 87.8 – 87.5
	Yard-2 (X:486659.23 Y:500870.523)	80.9 – 83.6 – 82.25
	Yard-3 (X:479160.18 Y:497811.852)	81.4 – 82.4 – 81.5
	Generator Room (Inside)	
Yard-1 (X: 486814.69 Y:501221.431)	89.2 – 87.8 – 88.5	
Yard-2 (X: 486654.22 Y:500870.548)	86.7 – 88.3 – 87.5	
Yard-3 (X: 479160.18 Y:497811.852)	85.7 – 88.4 – 87.5	
CC Block Stack Area (80 M from Machine) x-486734.18, y-501289.32	71.2 – 72.3 – 71.75	
Workshop Area	68.3 – 73.5 – 70.9	

	x-486732.741, y-502101.72	
	Camp Area x-486715.108, y-502101.107	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 3-33: Noise level in Polder 40/2

Noise Record		
Monitoring Location		Polder 40/2
Monitoring Date		30.06.2019 (Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		industrial area
Measurement results, dB	CC block casting area (E497100.876 N434366.099 2.90)	71,70.66
	curing area (start point) (E497106.635 N434368.626 2.78)	69.3,65.5,68
	curing area (end point) (E497090.418 N434360.046 2.31)	72.1,65.2,66
	stacking area (E497126.491 N434341.003 2.88)	59.9,63,64.5
	Generator house (E497000.16 N434328.054 3.05)	79.1,81.8,83.2
	Kitchen (E497101.516 N434323.099 2.64)	60,60.5,59.7
	Camp room No.1(E497100.876 N434366.099 2.66)	56,62,55.5
	Camp room No.2(E497121.312 N434331.878 2.65)	57.3,58.1,55.2
	Worker rest house (E497090.418 N434360.046 2.31)	56.6,60,58
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area);70(commercial area);75(industrial area)

Table 3-34: Noise level in Polder 41/1

Polder 41/1 Noise Record		
Month: June, 2019		
Monitoring Location		Polder 41/1 Coordinates: N447305.458 E521446.412
Monitoring Date		19.06.2019 (Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		CC block pre-casting yard, Generator
Location category		Industrial area
Measurement results, dB	Generator room N447291.788 E521447.84	86,82,80
	curing area (start point) N447318.086 E521433.608	71,66,64
	curing area (end point) N447305.458 E521446.412	64,63,61
	stacking area N447365.951 E521434.048	62.5,54,52.3
	Kitchen N447392.819 E52141.700	49,47,46
	House No.1 N447368.946 E521409.219	48,44,41
	House No.2 N447389.027 E521416.627	46,43,40
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area);70(commercial area);75(industrial area)

Table 3-35: Noise level in Polder 43/2C

Polder 43/2C Noise Record		
Month: June, 2019		
Monitoring Location		Polder 43/2C, construction camp Coordinates: N454928.496 E540920.040
Monitoring Date		27.06.2019 (Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		labor working
Location category		Industrial area
Measurement results, dB	camp area N454928.496 E540920.040	46,43,40
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area);70(commercial area);75(industrial area)
Monitoring Location		Polder 43/2C, DS/7 construction site Coordinates: N454740.798 E540181.012
Monitoring Date		28.06.2019 (Day time)
Noise Meter Model		Digital sound level meter AS804



Major noise sources during monitoring		DS/7, Generator
Location category		Industrial area
Measurement results, dB	DS/7 country side N454704.912 E540183.263	50,53,55
	CC Block manufacture area N454697.459 E540162.154	61,63,65
	Mixer machine N454713.664 E540146.060	60,64,67
	Generator N454743.693 E540161.018	71,75,80
	DS/7 box area N454740.798 E540181.012	45,50,55
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area);70(commercial area);75(industrial area)

Table 3-36: Noise level in Polder 47/2

Polder 47/2 Noise Record		
Month: June, 2019		
Monitoring Location		Polder-47/2 Coordinates: N423238.5061 E518603.9325
Monitoring Date		21.6.2019 (Day time)
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Industrial area
Measurement results, dB	CC mixer machine N423140.8130 E518585.0610	71.8, 73.2, 69.7
	curing area (start point) N423082.1580 E518565.5899	65.7, 69.2, 60.1
	curing area (end point) N423188.9492 E518591.5960	59.2, 63.4, 65.8
	stacking area N423116.8499 E518559.1663	57.7, 54.2, 60.3
	Kitchen N423202.3607 E518670.3063	52.2, 53.2, 55.9
	House No.1 N423214.5893 E518670.7678	55.8, 52.1, 59.8
Daytime standard of sound, dB (ECR 1997)		50(residential area);60(mixed area);70(commercial area);75(industrial area)

Table 3-37: Noise level in Polder 48

Monitoring Location		Polder 48, CC block yard Coordinates: N416325.431 E512365.154
Monitoring Date		June
Noise Meter Model		Digital sound level meter AS804
Major noise sources during monitoring		Generator
Location category		Industrial area
Measurement results, dB	CC Mixer machine N416380.152 E512338.650	63, 60, 65
	curing area (start point) N416365.201 E512314.320	59, 54, 55
	curing area (end point) N416412.693 E512374.993	55, 54, 53
	stacking area N416410.630 E512390.085	50, 52, 56
	Kitchen N416375.098 E512307.765	56, 53, 58
	House No.1 N416359.302 E512310.137	48, 49, 49
	House No.2 N416365.201 E512327.038	47, 49, 46
Daytime standard of sound, dB (ECR 1997)		50(residential area); 60 (mixed area);70 (commercial area);75(industrial area)

### 3.2.9 Meetings held during the month of June

A monthly progress meeting was organized in the PMU office of CEIP-1 to verify/ discuss monthly progress of various issues including environmental issues.

Several informal meetings were held between Senior Environmental Specialist, PMU and Environmental Specialist, DDCS&PMS Consultant for preparation/ reviewing of World Bank comments on environment related reports/documents

### 3.2.10 Reports

The World Bank has made some comments on EIA reports of Package-3; preparation of the response of the comments is under process. The reports will be submitted after incorporation of the responses of the comment.

### 3.2.11 Progress of Mechanical Work

About mechanical aspects the following activities were conducted:

#### Package-1

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 has already been approved by the concerned Design Office of BWDB. Work order for Fabrication and Installation of Gates and Hoists, based on revised design, was issued to the contractor immediately after getting approval of the revised design.

## 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.

### 3.3 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 34 Drainage Sluices of different vents have been completed and submitted to the Design Circle-5 for approval. The remaining designs are under preparation.

Table 3-38: Status of Design for Package-3

SI No.	Polder	Embankment (Km)			Drainage Channel (Km)			Drainage Sluice (No.)			Flushing Sluice (No.)		
		Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement	
			Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved
1	14/1	31.25	31.25	31.25	13.23	13.23	0	4	0	0	1	1	0
2	15	30.78	30.78	30.78	15.44	15.44	0	4	2	0	0	0	0
3	16	44.75	44.75	44.75	47.90	47.90	0	17	13	1	0	0	0
4	17/1	38.50	38.50	38.50	35.80	35.80	0	12	8	1	0	0	0
5	17/2	11.00	11.00	11.00	12.40	12.40	0	5	3	1	0	0	0
6	23	36.70	36.70	36.70	31.50	31.50	0	12	12	0	12	12	0
7	34/3	17.00	17.00	17.00	11.10	11.10	0	3	3	1	6	6	0
<b>Total =</b>		<b>209.98</b>	<b>209.98</b>	<b>209.98</b>	<b>167.37</b>	<b>167.37</b>	<b>0</b>	<b>57</b>	<b>41</b>	<b>4</b>	<b>19</b>	<b>19</b>	<b>0</b>

SI 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	
			Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved
1	14/1	1.00	0	0	6.86	4.780	0	1	1	0	1	0	0
2	15	1.600	1.600	0	4.44	0	0	1	1	0	1	0	0
3	16	0.30	0	0	1.00	0	0	1	1	0	1	0	0
4	17/1	0.00	0	0	0.00	0	0	1	1	0	0	0	0
5	17/2	0.25	0	0	0.00	0	0	1	1	0	0	0	0
6	23	0.00	0	0	3.00	0	0	1	1	0	1	0	0
7	34/3	0.00	0	0	0.00	0	0	1	1	0	1	0	0
<b>Total =</b>		<b>3.15</b>	<b>1.60</b>	<b>0.00</b>	<b>15.30</b>	<b>4.78</b>	<b>0.00</b>	<b>7.00</b>	<b>7.00</b>	<b>0.00</b>	<b>5.00</b>	<b>0.00</b>	<b>0.00</b>

### 3.3.2 Bidding Document

Preparation of the Bidding Documents have been advanced and waiting for the finalization of BOQ which has almost completed. Hence, the preparation of Bidding Document is expected to be completed very soon.

### 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 concern authority for onward transmission to the competent authority.

### 3.3.4 LAP Preparation for Package-3

The LAP/RAP team submitted the LAP of Package-3 on the basis of original design of embankment where the crest width of the embankment was 4.50 m which was submitted to the Project Director, PMU, CEIP-1, BWDB, Dhaka. The Project Director forwarded the proposal of LAP to the XEN, CEIP-1, Khulna to submit the same to the concerned DCs. Meanwhile, BWDB had decided to change the design of embankment providing the crest width 6.00m instead of 4.50 m. For this reason, the LAP must be revised and all other assessment has also to be updated. At the present context, the design of embankment has been approved by the Design Circle-5, BWDB considering the crest width 6.00m and the LAP & RAP are being updated according to the revised approved design of embankment. The LAP/RAP team has collected records and information on previously acquired land for seven Polders (Polder-14/1, 15, 16, 17/1, 17/2, 23 and 34/3) from concerned O&M Divisions of BWDB and the concerned DC offices (Khulna, Satkhira and Bagerhat). Mouza Maps have also been collected from the office of Director, Land Records, Tejgaon, Dhaka and the DC office Khulna, Satkhira and Bagerhat. Almost all Mouza Maps of seven Polders have since been procured. The status of preparation of LAP and Re-settlement activities mentioned below have to be updated based on approved revised design of embankment of Package-3.

Table 3-39: 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 DDCCS&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	
<b>Total=</b>	<b>85.92</b>	-	-	-	-	<b>4,785</b>	-	



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

#### 3.4.1 Introduction

The Progress report covers the events up to 30 June 2019. The contract Package-1 was signed on 01-10-2015 for the execution of Rehabilitation/ Reconstruction and Upgrading of Polder-32; Polder-33; Polder 35/1 and 35/3 under Package-1. The date of formal commencement of work was on 26 January 2016.

The contractor submitted the administrative work and has affected necessary site visit to establish the dossier for 5% advance Payment and take possession for sites. Contractor has received the full 10 % advance payment and spent to purchase machineries and equipment in China; Chinese engineers and supporting personnel have mobilized and the same is true for the recruitment of local labour; construction of facilities and buildings are mostly completed. Total expenditure incurred up to IPC-21 is BDT 5296.30 million including adjustment for changes in legislation (VAT & IT) and adjustment for changes in cost. Construction of 34 nos. Drainage Sluices out of 38 nos. has already been completed, 4 nos. drainage sluices are going on. Out of 30 nos. Flashing Sluices 23 nos. have been completed, 6 nos. are in progress 1 no. yet to be started. Embankment works of different Polders are (completed 146.163 km and partially completed 22.387 km) also going on. Construction of C.C blocks are going on for the bank/slope protection work.

#### 3.4.2 Staffing

In Table 3-40 below man power deployment for Contract Package-1 is listed and sample check has been done by the Consultants.

Table 3-40: 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	7	0	1	0	1	0	2	0	2	0	1	0
2	Technical Staff	36	63	10	7	9	14	9	11	4	21	4	10
3	Operator/ Driver	5	223	0	2	0	49	0	46	4	76	1	50
4	Skilled Worker	19	180	0	3	3	40	7	76	5	38	4	23
5	Common Labor	1	535	0	4	0	65	1	183	0	231	0	52
6	Logistic	9	23	0	3	4	10	2	4	2	2	1	4
<b>Total</b>		<b>77</b>	<b>1024</b>	<b>11</b>	<b>19</b>	<b>17</b>	<b>178</b>	<b>21</b>	<b>320</b>	<b>17</b>	<b>368</b>	<b>11</b>	<b>139</b>

Source by Contractor

#### 3.4.3 Equipment Mobilization

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

Table 3-41: List of Equipment

Name of Polder	Equipment required													Equipment already deployed										
	B.dozer/S.F. roller/ Compactor (50HP) (nos.)	Dum Truck and Carry Scraper	Excavator	Concrete Mix Machine	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader	B.dozer/S.F. roller/ Compactor (50HP) (nos.)	Dum Truck Carry Scraper/ Tractor carrier	Excavator	Concrete Mix Machine/Trans it mixer	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Polder- 32	6	23	13	6	4	1	2	2	1	1	6	3	1+2+0	15+5+38	9	6	4	1	2	0	1	1	2	3
Polder- 33	5	17	11	12	10	2	1	1	1	1	6	2	3+0+0	10+5+36	10	6	1	1	1	1	1	1	2	2
Polder- 35/3	5	16	9	7	5	1	1	1	1	1	4	6	6+2+0	12+5+22	11	7	6	1	1	1	1	1	2	6
Polder- 35/1	12	48	23	15	9	2	3	3	1	1	8	3	15+0+5	32+3+25	15	18	5	1	2	2	1	1	4	6
<b>Total</b>	<b>28</b>	<b>104</b>	<b>56</b>	<b>40</b>	<b>28</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>4</b>	<b>4</b>	<b>24</b>	<b>14</b>	<b>25+4+5 =34</b>	<b>63+18+121 =202</b>	<b>45</b>	<b>37</b>	<b>16</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>10</b>	<b>17</b>

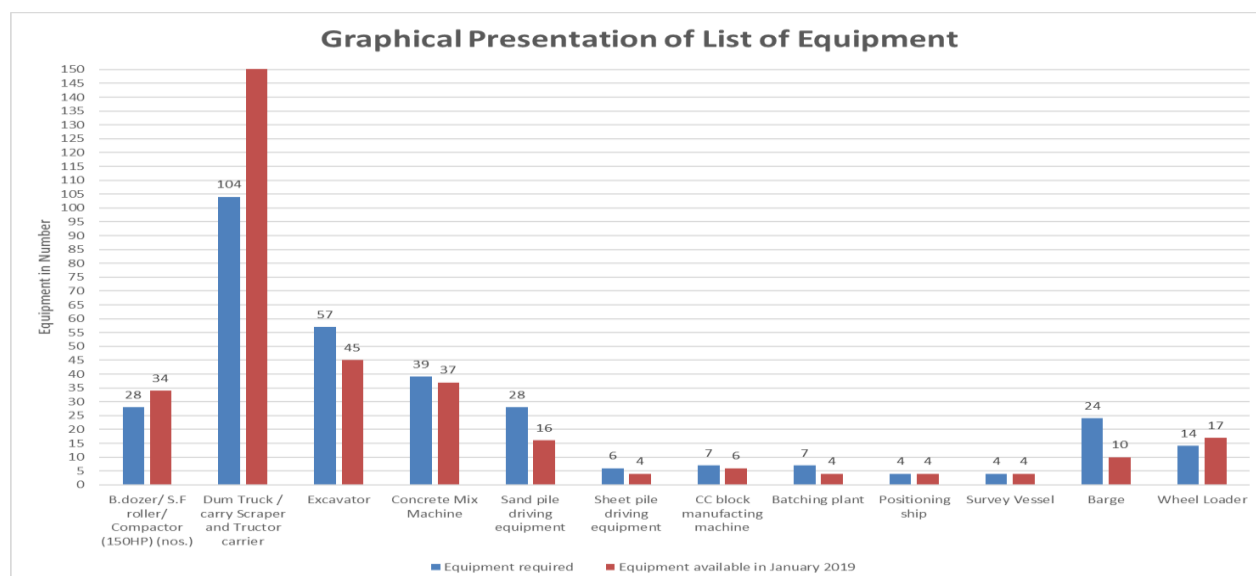


Figure 3-31: Graphical Presentation of List of Equipment Contractor of Package-1

### 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. But the approved Variation Order No.2 & 3 have not yet been received.

Table 3-42: 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. The IPC-17 was reviewed and sent to PMU on 12 May 2019 with recommendation for payment.
IPC-18	Mar. 2019	255,766,969.30	IPC No. 18 has been submitted to Engineer on 29 May 2019 with the value of BDT: 335,305,562.66. The IPC-18 was reviewed and sent to PMU on 11 June 2019 with recommendation for payment.
IPC-19	Apr. 2019	453,144,934.37	IPC No. 19 has been submitted to Engineer on 24 June, 2019 with the value of BDT: 734,277,610.11. The IPC-19 was reviewed

IPC No.	Month of Submission	Forecast Value of IPC	Remark
			and Submitted to PMU on 27 June 2019 with recommendation for payment.
IPC-20	May. 2019	453,144,934.37	IPC No. 20 has been submitted to Engineer on 26 June, 2019 with the value of BDT: 373,354,687.49. The IPC-20 was reviewed and submitted to PMU on 30 June 2019 with recommendation for payment.
IPC-21	Jun. 2019	585,558,351.72	IPC No. 21 has been submitted to Engineer on 30 June, 2019 with the value of BDT: 172,613,421.96. The IPC-21 was reviewed and submitted to PMU on 30 June 2019 with recommendation for payment.
<b>Total</b>		<b>2,655,692,467.71</b>	



### 3.4.6 Physical Progress (Mile Stone Matrix)

Table 3-43: Physical Works of Package-1 as on 30 June 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	0	112.48	51.826	33.683	22.387	146.163	22.387
					56.07%	44.18%	16.79%	41.11%	72.86%	41.11%
Drainage Channel Excavation/Re-excavation	Km	151.210	101	0	67.47	0.000	47.300	0	114.77	0
					44.62%	-	31.28%	-	75.90%	-
Drainage Sluice Construction	No.	38	19	0	32	6	3	3	35	3
					84.21%	93.18%	7.89%	92.00%	92.11%	92.00%
Drainage Sluice Repair	No.	2	2	0	0	2	2	0	2	0
					0.00%	88.00%	100.00%	88.00%	100.00%	88.00%
Flushing Inlet Construction	No.	30	22	0	20	9	8	1	28	1
					66.67%	82.15%	26.67%	82.15%	93.33%	82.15%
Flushing Inlet Repair	No.	14	15	0	6	7	6	1	12	1
					42.86%	68.82%	42.86%	70.12%	85.71%	70.12%
Embankment Slope Protection Work	Km	19.966	10	0	12.488	-	2.826	-	15.314	-
					62.55%	-	14.15%	-	76.70%	-
River Bank Protection Work	Km	4.45	1.8	0	4.050	-	0.000	-	4.050	-
					91.01%	-	0.00%	-	91.01%	-
Closure Dam Construction	No.	1	1	0	-	63% of the foundation works	-	70% of the foundation works	-	70% of the foundation works



Table 3-44: Physical Works Polder Wise of Package-1 as on 30 June 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	11	1	0	0	6	6	0	0	0
	35/1	14	14	0	0	0	13	12	0	1	0
	35/3	4	4	0	0	2	10	10	0	0	10
	<b>Total</b>	<b>38</b>	<b>35</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>30</b>	<b>28</b>	<b>1</b>	<b>1</b>	<b>10</b>

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	5	1	0	0
	33	0	0	0	0	0	3	3	0	0	0
	35/1	2	2	0	0	0	3	2	0	1	0
	35/3	0	0	0	0	0	2	2	0	0	0
	<b>Total</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>.</b>

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	2.00	100.00%	3.300	2.300	69.70%	6	17.50	13.45	76.86%
Package 1	33	1.40	1.30	92.86%	4.016	3.716	92.53%	12	63.21	53.82	85.14%
Package 1	35/1	1.10	0.60	54.55%	11.750	8.598	73.17%	17	70.50	47.50	67.38%
Package 1	35/3	0.15	0.15	100.00%	0.900	0.700	77.78%	1	0.00	0.00	0.00%
<b>Package 1</b>		<b>4.65</b>	<b>4.050</b>	<b>87.10%</b>	<b>19.966</b>	<b>15.314</b>	<b>76.70%</b>	<b>36</b>	<b>151.21</b>	<b>114.77</b>	<b>75.90%</b>

Package No	Polder No	Embankment Construction			
		Target Length (Km)	Completed Length (Km)	% Completed	Partly Length (Km)
Package 1	32	49.666	30.040	60.48%	14.307
Package 1	33	49.154	41.591	84.61%	1.370
Package 1	35/1	61.972	38.802	62.61%	4.565
Package 1	35/3	39.825	35.730	89.72%	2.145
<b>Package 1</b>		<b>200.617</b>	<b>146.163</b>	<b>72.86%</b>	<b>22.387</b>

Table 3-45: Detailed information of Construction Status of Embankment of Package-1

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (SqM)	Completed Dressing and turfing (SqM)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 June, 2019	Remarks
Package 1																		
Polder-32																		
1	32	Nalian	0.483	0.000	0.483	Resectioning	N	NA	23,228	15,000	0.000	0.483	10,272	0	64.58%	0.00%	59.41%	Work in Progress
2	32	Nalian	1.393	0.483	1.876	Retired	N	NA	63,519	43,000	0.500	0.893	29,624	0	67.70%	0.00%	62.28%	Work in Progress
3	32	Gunari	0.624	1.876	2.500	Resectioning	N	NA	29,858	15,000	0.250	0.374	13,270	0	50.24%	0.00%	46.22%	Work in Progress
4	32	Gunari	2.690	2.500	5.190	Retired	N	NA	141,764	90,000	1.200	1.490	57,207	0	63.49%	0.00%	58.41%	Work in Progress
5	32	Gunari	0.480	5.190	5.670	Resectioning	N	NA	14,075	14,000	0.480	0.000	10,208	0	99.47%	0.00%	91.51%	Work in Progress
6	32	Gunari	0.280	5.670	5.950	Retired	N	NA	15,209	15,200	0.280	0.000	5,955	0	99.94%	0.00%	91.95%	Work in Progress
7	32	kalabogi	1.300	5.950	7.250	Resectioning	N	NA	47,121	47,120	1.300	0.000	27,647	0	100.00%	0.00%	92.00%	Work in Progress
8	32	kalabogi	1.800	7.250	9.050	Retired	N	NA	84,911	84,900	1.800	0.000	38,280	0	99.99%	0.00%	91.99%	Work in Progress
9	32	Vita Bhanga	1.167	9.050	10.217	Resectioning	N	NA	27,523	20,000	1.000	0.167	24,818	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	12,250	0.333	0.000	7,082	0	99.96%	0.00%	91.96%	Work in Progress
11	32	Vita Bhanga&Joynagar	1.789	10.550	12.339	Resectioning	N	NA	37,410	20,000	1.400	0.389	38,046	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	0.550	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	0.772	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	26,450	1.400	0.000	30,092	25000	99.97%	83.08%	98.62%	Work completed.
16	32	Jaliyakhali	1.040	15.715	16.755	Retired	N	NA	45,253	15838	0.000	1.040	22,117	0	35.00%	0.00%	32.20%	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	0.500	0.457	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	16,250	0.959	0.000	20,395	2600	99.90%	12.75%	92.92%	Work in Progress
20	32	Kamarkhola	1.083	20.274	21.357	Retired	N	NA	40,650	25,000	0.900	0.183	23,032	0	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	3.770	0.044	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	26,250	0.801	0.000	17,035	0	99.97%	0.00%	91.97%	Work in Progress
23	32	Kalinagar & Sutarkhali	4.556	25.972	30.528	Resectioning	N	NA	68,868	52,000	4.300	0.256	96,891	12000	75.51%	12.39%	70.46%	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 Pretaretion in Progress
25	32	Sutarkhali	0.577	30.672	31.249	Resectioning	N	NA	9,238	5,000	0.000	0.577	12,271	0	54.12%	0.00%	49.79%	Soil Pretaretion in Progress
26	32	Sutarkhali	0.621	31.249	31.870	Retired	N	NA	32,273	0.000	0.000	0.300	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	30,000	0.800	0.038	17,821	0	77.82%	0.00%	71.60%	Work in Progress
31	32	Sutarkhali	2.395	36.565	38.960	Resectioning	N	NA	56,875	42,656	0.800	0.700	50,934	0	75.00%	0.00%	69.00%	Work in Progress
32	32	kalabogi	2.950	38.960	41.910	Retired	N	NA	134,676	55,000	0.000	1.850	62,737	0	40.84%	0.00%	37.57%	Work in Progress
33	32	kalabogi	1.136	41.910	43.046	Resectioning	N	NA	42,409	20,000	0.000	0.500	24,159	0	47.16%	0.00%	43.39%	Work in Progress
34	32	kalabogi	0.346	43.046	43.392	Retired	N	NA	15,286	1,000	0.000	0.346	7,358	0	6.54%	0.00%	6.02%	Work in Progress
35	32	kalabogi	1.077	43.392	44.469	Resectioning	N	NA	52,885	40,000	0.600	0.177	22,904	0	75.64%	0.00%	69.58%	Soil Pretaretion in Progress
36	32	kalabogi	0.797	44.469	45.266	Retired	N	NA	47,680	5,000	0.000	0.300	16,950	0	10.49%	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	11,050	0.216	0.000	4,594	0	99.89%	0.00%	91.90%	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	15,900	0.251	0.000	5,338	0	99.58%	0.00%	91.61%	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
<b>Total Polder-32 =</b>			<b>49.666</b>						<b>1,618,396</b>	<b>1,025,864</b>	<b>30.040</b>	<b>14.007</b>	<b>1,056,230</b>	<b>89,600</b>	<b>61.33%</b>	<b>4.14%</b>	<b>56.75%</b>	

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

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 June, 2019
<b>Polder-33</b>																	
1	33	Banishanta	0.474	0.000	0.474	Retired	Yes	NA	24,964	5,000	0.000	0.474	9,084	0	20%	0%	18%
2	33	Banishanta	0.584	0.474	1.058	Resectioning	N	NA	11,192	11,192	0.584	0.000	11,192	0	100%	0%	92%
3	33	Purbo dangmari	0.492	1.058	1.550	Retired	N	NA	9,429	6000	0.000	0.492	9,429	0	64%	0%	59%
4	33	Dangmari	1.290	1.550	2.840	Resectioning	N	NA	24,723	24,723	1.290	0.000	24,723	31660	100%	128%	102%
5	33	Dangmari	0.461	2.840	3.301	Retired	N	NA	8,835	8,835	0.461	0.000	8,835	4830	100%	55%	96%
6	33	Dangmari to khajura	5.305	3.301	8.606	Resectioning	N	NA	101,669	101,669	5.305	0.000	101,669	50000	100%	49%	96%
7	33	khajura	0.101	8.606	8.707	Retired	N	NA	1,936	1,936	0.101	0.000	1,936	0	100%	0%	92%
8	33	Khajura	0.283	8.707	8.990	Resectioning	N	NA	5,424	5,424	0.283	0.000	5,424	0	100%	0%	92%
9	33	Burir Dabor	0.175	8.990	9.165	Retired	N	NA	3,354	3354	0.175	0.000	3,354	0	100%	0%	92%
10	33	Burir Dabor	1.865	9.165	11.030	Resectioning	N	NA	35,742	35,742	1.865	0.000	35,742	0	100%	0%	92%
11	33	Burir Dabor	0.500	11.030	11.530	Resectioning	N	NA	9,582	0.000	0.000	0.000	9,582	0	0%	0%	0%
12	33	Burir Dabor to Bon lawdob	2.560	11.530	14.090	Resectioning	N	NA	49,062	49,062	2.560	0.000	49,062	0	100%	0%	92%
13	33	Bon lawdob to Gazifish	0.739	14.090	14.829	Retired	N	NA	14,163	14,163	0.739	0.000	14,163	0	100%	0%	92%
14	33	Gazirifish to Ramnagar	2.293	14.829	17.122	Resectioning	N	NA	43,945	43,945	2.293	0.000	43,945	0	100%	0%	92%
15	33	Ramnagar	0.528	17.122	17.650	Retired	N	NA	10,119	10,119	0.528	0.000	10,119	0	100%	0%	92%
16	33	Ramnagar	1.650	17.650	19.300	Resectioning	N	NA	31,622	31,622	1.650	0.000	31,622	0	100%	0%	92%
17	33	Thakurbari to kheyaghat	2.600	19.300	21.900	Resectioning	N	NA	49,829	-	0.000	0.000	49,829	0	0%	0%	0%
	33	Dacope to Tangrarchar	4.400	21.900	26.300	Resectioning	N	NA	84,325	84,325	4.400	0.000	84,325	0	100%	0%	92%
c	33	Shaheberabad(Dacope)	0.730	26.300	27.030	Retired	N	NA	32,663	-	0.000	0.000	13,990	0	0%	0%	0%
	33	Shaheberabad to Poddargonj	1.287	27.030	28.317	Resectioning	N	NA	24,665	24,665	1.287	0.000	24,665	0	100%	0%	92%
	33	Poddargonj	0.224	28.317	28.541	Retired	N	NA	4,293	4,293	0.224	0.000	4,293	0	100%	0%	92%
	33	Chunkuri	2.304	28.541	30.845	Resectioning	N	NA	44,156	44,156	2.304	0.000	44,156	0	100%	0%	92%
	33	Chunkuri	0.455	30.845	31.300	Resectioning	N	NA	8,720	0.00	0.000	0.000	8,720	0	0%	0%	0%
	33	Chunkuri	1.052	31.300	32.352	Resectioning	N	NA	20,161	20,161	1.052	0.000	20,161	0	100%	0%	92%
	33	Chunkuri	7.440	32.352	39.792	Resectioning	N	NA	142,586	142,586	7.440	0.000	142,586	0	100%	0%	92%
	33	Chunkuri to Kutakhali	1.908	39.792	41.700	Resectioning	N	NA	36,566	-	0.000	0.000	36,566	0	0%	0%	0%
	33	Kutakhali to Banishanta	6.550	41.700	48.250	Resectioning	N	NA	125,529	125,529	6.550	0.000	125,529	0	100%	0%	92%
	33	Banishata to Banishanta Bazar.	0.904	48.250	49.154	Retired	N	NA	45,000	31,000	0.500	0.404	17,325	0	69%	0%	63%
<b>Total Polder-33 =</b>			<b>49.154</b>					<b>1,004,255</b>	<b>829,501</b>	<b>41.591</b>	<b>1.370</b>	<b>942,027</b>	<b>86,490</b>	<b>83%</b>	<b>9%</b>	<b>71%</b>	

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

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 June, 2019	Remarks
<b>Polder-35/1</b>																		
1	35/1	Fashiatola	0.750	0.000	0.750	Resectioning	N	NA	28,944	28,930	0.750	0.000	20250	0	99.95%	0.00%	91.96%	Work in progress
2	35/1	Fashiatola	1.300	0.750	2.050	Resectioning	N	NA	51,044	50,500	1.300	0.000	35100	0	98.93%	0.00%	91.02%	Work in progress
3	35/1	Fashiatola	0.600	2.050	2.650	Retired	N	NA	23,559	23,559	0.600	0.000	10600	0	100.00%	0.00%	92.00%	Work in progress
4	35/1	East Amtoli	1.250	2.650	3.900	Retired	N	NA	49,081	35,000	1.000	0.250	21750	0	71.31%	0.00%	65.61%	Work in progress
5	35/1	East Amtoli	0.300	3.900	4.200	Resectioning	N	NA	11,779	3533	0.000	0.300	3300	0	29.99%	0.00%	27.59%	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 will be started soon
8	35/1	Kumarkhali	1.100	5.150	6.250	Resectioning	N	NA	43,191	37,000	0.800	0.300	27300	0	85.67%	0.00%	78.81%	Work in progress
9	35/1	Kumarkhali	0.750	6.250	7.000	Resectioning	N	NA	29,449	29450	0.750	0.000	17850	0	100.00%	0.00%	92.00%	Work in progress
10	35/1	Khontakata	3.000	7.000	10.000	Resectioning	N	NA	117,795	117,500	3.000	0.000	69000	0	99.75%	0.00%	91.77%	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 will be started soon
12	35/1	Boraitola	1.700	12.300	14.000	Retired	N	NA	67,073	0.000	0.000	0.000	44900	0	0.00%	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	0.425	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	0.690	88030	17940	85.00%	20.38%	78.83%	Work in progress
16	35/1	Chal Rayenda	1.060	18.920	19.980	Resectioning	N	NA	41,621	41,621	1.060	0.000	32860	15900	100.00%	48.39%	95.87%	Work in progress
17	35/1	Chal Rayenda	0.020	19.980	20.000	Resectioning	N	NA	785	785	0.020	0.000	620	0	100.00%	0.00%	92.00%	Work in progress
18	35/1	Tafalbari	0.500	20.000	20.500	Retired	N	NA	19,632	17,669	0.400	0.100	20500	0	90.00%	0.00%	82.80%	Work in progress
19	35/1	Tafalbari	0.500	20.500	21.000	Resectioning	N	NA	19,632	19,600	0.500	0.000	14500	0	99.84%	0.00%	91.85%	Work in progress
20	35/1	Gabtolta	2.500	21.000	23.500	Resectioning	Yes	NA	98,162	75,500	2.200	0.300	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	0.000	2.000	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	45,000	1.150	0.000	25300	10120	99.66%	40.00%	94.88%	Work in progress
24	35/1	Sharankhola	1.450	29.150	30.600	Resectioning	N	NA	56,934	56,900	1.450	0.000	31900	12760	99.94%	40.00%	95.15%	Work in progress
25	35/1	Sharankhola	2.100	30.600	32.700	Resectioning	N	NA	29,900	29,900	2.100	0.000	46200	18480	100.00%	40.00%	95.20%	Work in progress
26	35/1	Sonatala	2.300	32.700	35.000	Resectioning	N	NA	90,309	90,000	2.300	0.000	50600	20240	99.66%	40.00%	94.89%	Work in progress
27	35/1	Sonatala	1.500	35.000	36.500	Resectioning	N	NA	25,500	25,500	1.500	0.000	33000	13200	100.00%	40.00%	95.20%	Work in progress
28	35/1	Sonatala	2.000	36.500	38.500	Resectioning	N	NA	41,742	41,700	2.000	0.000	44000	17600	99.90%	40.00%	95.11%	Work in progress
29	35/1	Rasulpur	0.850	38.500	39.350	Resectioning	N	NA	33,536	33500	0.850	0.000	17850	0	99.89%	0.00%	91.90%	Pavement Road. Work started next year
30	35/1	Rasulpur	3.110	39.350	42.460	Resectioning	N	NA	79,630	79,600	3.110	0.000	68420	27368	99.96%	40.00%	95.17%	Work in progress
31	35/1	Rajaour	1.450	42.460	43.910	Resectioning	N	NA	56,934	56,900	1.450	0.000	31900	12760	99.94%	40.00%	95.15%	Work in progress
32	35/1	Rajaour	0.140	43.910	44.050	Resectioning	N	NA	5,497	5,400	0.140	0.000	3080	0	98.24%	0.00%	90.38%	Work in progress
33	35/1	Rajaour	6.050	44.050	50.100	Resectioning	N	NA	220,870	220,500	6.050	0.000	133100	53240	99.83%	40.00%	95.05%	Work in progress
34	35/1	Dhansagor	1.150	50.100	51.250	Resectioning	N	NA	45,155	45,000	1.150	0.000	25300	10120	99.66%	40.00%	94.88%	Work in progress
35	35/1	Dhansagor	9.650	51.250	60.900	Resectioning	N	NA	380739	0.000	0.000	0.000	202650	0	0.00%	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	8,476	0.172	0.000	4128	0	100.00%	0.00%	92.00%	Work in progress
<b>Total Polder-35/1 =</b>			<b>61.972</b>					<b>2,317,570</b>	<b>1,470,888</b>	<b>38.802</b>	<b>4.565</b>	<b>1,450,228</b>	<b>230,844</b>	<b>74.29%</b>	<b>12.81%</b>	<b>69.37%</b>		

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

#	Polder	Location	Length (Km)	Starting Chainage (Km)	End Chainage (Km)	Type of Work (New/ Retd./ Resectioning)	LA Problem	LA - Current Status	Required Earthwork Quantity (Cum)	Completed Earthwork Quantity (Cum)	Completed full (Km)	Partly Completed (Km)	Required Dressing & Turfing (Sqm)	Completed Dressing and turfing (Sqm)	Completed Earthwork %	Completed Dressing and turfing %	Progress as of 30 June, 2019
<b>Polder-35/3</b>																	
1	35/3	Molliker ber	0.140	0.000	0.140	Resectioning	N	NA	4,724	4,000	0.140	0.000	3046	3046	85%	100%	86%
2	35/3	Molliker ber	0.340	0.140	0.480	Retired	N	NA	15,311	14,500	0.340	0.000	7398	7000	95%	95%	95%
3	35/3	Molliker ber	0.285	0.480	0.765	Resectioning	N	NA	7,534	7,534	0.285	0.000	6202	6200	100%	100%	100%
4	35/3	Molliker ber	0.375	0.765	1.140	Retired	N	NA	16,049	16,049	0.375	0.000	8160	8160	100%	100%	100%
5	35/3	Molliker ber	1.405	1.140	2.545	Resectioning	N	NA	53,284	51,600	1.405	0.000	30573	20000	97%	65%	94%
6	35/3	Molliker ber	1.095	2.545	3.640	Retired	N	NA	51,415	50,200	1.095	0.000	23827	22000	98%	92%	97%
7	35/3	Molliker ber	1.330	3.640	4.970	Resectioning	N	NA	39,093	38,300	1.330	0.000	28941	27000	98%	93%	98%
8	35/3	Molliker ber	0.100	4.970	5.070	Retired	N	NA	4,433	4,400	0.100	0.000	2176	2000	99%	92%	99%
9	35/3	Bashbaria	1.715	5.070	6.785	Resectioning	N	NA	49,997	49,000	1.715	0.000	37318	36000	98%	96%	98%
10	35/3	Bashbaria	2.515	6.785	9.300	Retired	N	NA	122,038	120,000	2.400	0.115	54726	48000	98%	88%	97%
11	35/3	Panchamala	0.320	9.300	9.620	Resectioning	N	NA	7,225	7,225	0.320	0.000	6963	6900	100%	99%	100%
12	35/3	Panchamala	0.980	9.620	10.600	Retired	N	NA	49,393	47,900	0.900	0.080	21325	20000	97%	94%	97%
13	35/3	Panchamala	1.900	10.600	12.500	Resectioning	N	NA	59,564	59,000	1.900	0.000	41344	40000	99%	97%	99%
14	35/3	Radhaballov	1.365	12.500	13.865	Retired	N	NA	72,119	69,000	1.200	0.165	29702	25000	96%	84%	95%
15	35/3	Radhaballov	0.105	13.865	13.970	Resectioning	N	NA	2,982	2,600	0.105	0.000	2285	2000	87%	88%	87%
16	35/3	Radhaballov	0.165	13.970	14.135	Retired	N	NA	5,945	2,500	0.000	0.165	3590	1800	42%	50%	43%
17	35/3	Radhaballov	1.165	14.135	15.300	Resectioning	N	NA	45,703	15,000	0.365	0.800	25350	1000	33%	4%	31%
18	35/3	Karapara	0.270	15.300	15.570	Retired	N	NA	17,381	10,000	0.220	0.050	5875	2550	58%	43%	56%
19	35/3	Karapara	3.770	15.570	19.340	Resectioning	N	NA	136,405	110,000	3.000	0.770	82035	5000	81%	6%	75%
20	35/3	Dema	0.440	19.340	19.780	Retired	N	NA	10,560	9,800	0.440	0.000	9574	8050	93%	84%	92%
21	35/3	Dema	9.320	19.780	29.100	Resectioning	N	NA	306,596	306,596	9.320	0.000	202803	195000	100%	96%	100%
22	35/3	Khagrathat	1.160	29.100	30.260	Retired	N	NA	53,605	51,000	1.160	0.000	25242	21000	95%	83%	94%
23	35/3	Dema	3.950	30.260	34.210	Resectioning	N	NA	110,694	109,600	3.950	0.000	85952	80000	99%	93%	99%
24	35/3	Molliker ber	1.950	34.210	36.160	Resectioning	N	NA	0.000	0.000	0.000	0.000	0	0	0%	0%	0%
25	35/3	Molliker ber	1.220	36.160	37.380	Retired	N	NA	55,196	54,200	1.220	0.000	26547	24000	98%	90%	98%
26	35/3	Molliker ber	0.020	37.380	37.400	Resectioning	N	NA	845	845	0.020	0.000	435	400	100%	92%	99%
27	35/3	Molliker ber	0.430	37.400	37.830	Retired	N	NA	20,042	20,042	0.430	0.000	9357	9000	100%	96%	100%
28	35/3	Molliker ber	0.735	37.830	38.565	Resectioning	N	NA	31,884	31,500	0.735	0.000	15994	15000	99%	94%	98%
29	35/3	Molliker ber	0.475	38.565	39.040	Retired	N	NA	22,108	21,500	0.475	0.000	10336	9000	97%	87%	96%
30	35/3	Molliker ber	0.785	39.040	39.825	Resectioning	N	NA	21,453	20,000	0.785	0.000	17082	15500	93%	91%	93%
<b>Total Polder-35/3 =</b>			<b>39.825</b>						<b>1,393,578</b>	<b>1,303,891</b>	<b>35.730</b>	<b>2.145</b>	<b>824,160.000</b>	<b>660,606.000</b>	<b>94%</b>	<b>80%</b>	<b>87%</b>
<b>Grand Total of Package-1</b>			<b>200.617</b>						<b>6333798.58</b>	<b>4635152.00</b>	<b>146.163</b>	<b>22.387</b>	<b>4272645.27</b>	<b>1316626.53</b>			



**Table 3-46: 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 June, 2019	Remarks
<b>Package 1</b>								
1	32	Charar (DS-1)	1.500	1.300	26,784	23,213	87%	Work will be started soon.
2	32	Hatkhola (DS-2)	3.500	3.500	50,830	50,830	100%	work will be started soon.
3	32	Para (DS-3)	4.500	3.900	34,772	30,136	87%	Work in Progress
4	32	Kayratoli (DS-7)	3.000	3.000	25,979	25,979	100%	Work in Progress
5	32	Clozarer (DS-8)	3.000	0.000	8,019	0	0%	Work will be started soon.
6	32	Jaliakhali (DS-16)	2.000	1.750	22,949	20,080	88%	Work will be started soon.
7	33	Bojan, DS 1	2.000	2.000	55,535	55,535	100%	Work in Progress
8	33	Khajura, DS 2	5.500	5.500	13,220	13,220	100%	Work in Progress
9	33	Borobage (DS-3)	7.500	7.500	82,692	82,692	100%	Work in Progress
10	33	Bolder, DS 4	1.000	1.000	18,618	18,618	100%	Work in Progress
11	33	Chara, DS 5	10.000	10.000	60,075	60,075	100%	Work in Progress
12	33	Dhopadi, DS 6	4.000	4.000	61,069	61,069	100%	Work completed.
13	33	Dacope, DS 7	4.000	4.000	115,278	115,278	100%	Work completed.
14	33	Bajua, DS 9	8.890	8.000	192,809	173,506	90%	Work in Progress
15	33	Pachin Baju, DS 10	8.500	0.000	4,825	0	0%	Will be started soon.
16	33	Khuntakhali, DS 11	4.500	4.500	19,416	19,416	100%	Work in Progress
17	33	Borobaker, DS 12	6.000	6.000	20,444	20,444	100%	Work will be started by May 2019
18	33	Kata, FS 9	1.320	1.320	28,247	28,247	100%	Work completed.
19	35/1	Terabeka,DS-08(Khal-01)	2.500	2.500	18,304	18,304	100%	Photo & video before and after excavation yet to be received.
20	35/1	Rayenda,DS-04(Khal-20)	9.500	9.000	81,985	77,670	95%	Photo & video before and after excavation yet to be received,spoil
21	35/1	Satgharer,DS-18(Khal-02)	1.000	0.000		0	0%	Shop drawing yet to be received.
22	35/1	Gabtota,DS-07(Khal-04)	2.000	1.900	10,575	10,046	95%	Photo & video before and after excavation yet to be received.
23	35/1	Tafalbari(Khal-06),DS-06	6.000	5.700	45,093	42,838	95%	Photo & video before and after excavation yet to be received.
24	35/1	Sonatola(Khal-11),DS-10	2.500	2.400	14,468		96%	Photo & video before and after excavation yet to be received.
25	35/1	Jheelbonia(Khal-19),DS-05	6.000	5.100	38,856	33,028	85%	Photo & video before and after excavation yet to be received.
26	35/1	Thanar(Khal-42),DS-11	3.500	3.300	70,562	66,530	94%	Photo & video before and after excavation yet to be received,spoil
27	35/1	Khunta kata(Khal-61),DS-03	3.500	0.000		0	0%	Shop drawing yet to be received.
28	35/1	Kumarkhali(Khal-64),DS-02	12.500	0.000		0	0%	Shop drawing yet to be received.
29	35/1	Sannashir(Khal-73),DS-01	1.500	1.400	11,825	11,037	93%	Photo & video before and after excavation yet to be received.
30	35/1	Andaria(Khal-75),DS-15	2.000	0.000	32,662	0	0%	Work yet to be started.
31	35/1	Kabirajer(Khal-79),DS-13	3.500	3.300	38,743	36,529	94%	Photo & video before and after excavation yet to be received,spoil
32	35/1	Rajapur(Khal-81),DS-12	3.500	3.300	77,690	73,250	94%	Photo & video before and after excavation yet to be received,spoil
33	35/1	Khajurbaria(Khal-90),DS-17	5.500	5.300		0	96%	Photo & video before and after excavation yet to be received,spoil
34	35/1	Rathiar(Khal-84),DS-16	4.500	4.300	69,186	66,111	96%	Photo & video before and after excavation yet to be received,spoil
35	35/1	Fajajipara(Khal-76),DS-14	1.000	0.000	7,695	0	0%	Work yet to be started.
36	35/3	Care Khal		0.000	0	0		Not required hence it is drop.
<b>Total</b>			<b>151.21</b>	<b>114.770</b>	<b>1,359,203</b>	<b>1,233,681</b>	<b>76.70%</b>	

Table 3-47: Detailed information of Construction Status of Drainage Sluices of Package-1

#	Type of HS	Sluice Name	Polder	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation block placing - Gate	Weighted % progress (30 June 19)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Drainage Sluice</b>												
1	DS	DS-1	32	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
2	DS	DS-2	32	100%	100%	100%	100%	100%	N	NA		Sluice in operation.
3	DS	DS-7	32	100%	100%	100%	100%	100%	N	NA		Gate Installed.
4	DS	DS-8	32	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
5	DS	DS-9	32	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
6	DS	DS-10	32	100%	100%	100%	80%	97%	N	NA		Gate is to be Installed as per new design.
7	DS	DS-11	32	100%	100%	100%	70%	96%	N	NA		Gate is to be Installed as per new design.
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 but shaft & handle is to be installed as new design.
10	DS	DS-2	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
11	DS	DS-3	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
12	DS	DS-4	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
13	DS	DS-6	33	100%	100%	100%	100%	100%	N	NA		Gate is to be Installed as per new design.
14	DS	DS-7	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
15	DS	DS-8	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
16	DS	DS-9	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
17	DS	DS-10	33	100%	100%	100%	70%	96%	N	NA		Gate is to be Installed as per new design.
18	DS	DS-11	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
19	DS	DS-12	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
20	DS	DS-13	33	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
21	DS	DS-1	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
22	DS	DS-2	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
23	DS	DS-4	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
24	DS	DS-5	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
25	DS	DS-6	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
26	DS	DS-7	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
27	DS	DS-8	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
28	DS	DS-11	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
29	DS	DS-12	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
30	DS	DS-13	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
31	DS	DS-14	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
32	DS	DS-15	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
33	DS	DS-16	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
34	DS	DS-17	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
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 but shaft & handle is to be installed as new design.
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 but shaft & handle is to be installed as new design.
39	DS	DS-4	35/3	100%	100%	100%	100%	100%	N	NA		Sluice in operation.

Table 3-48: Detailed Information of Construction Status of Flushing Sluices of Package-1

#	Type of HS	Sluice Name	Polder	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheet Piles	Structure - Concreting Work	Installation block placing - Gate	CC	Weighted % progress (30 June 19)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Flushing Sluice</b>													
1		FS-3	32						100%	Y		Dropped	Dropped as local chairman does not allow to construct the FS-3 .
2	FS	D-10	32	100%	100%	100%	70%		96%	N	NA		Gate is to be installed as per new design.
3		FS-1	33						100%	N	NA	Dropped	Dropped due to Court Case
4		FS-3	33						100%	Y		Dropped	Dropped as adjacent DS-3 will serve the purpose
5	FS	FS-5	33	100%	100%	100%	100%		100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
6	FS	FS-6	33	100%	100%	100%	100%		100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
7	FS	FS-8	33	100%	100%	100%	100%		100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
8	FS	FS-9	33	100%	100%	100%	100%		100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
9		FS-10	33						100%	Y		Dropped	Dropped due to Land Problem.
10	FS	FS-11	33	100%	100%	100%	100%		100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
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 but shaft & handle is to be installed as new design.
14		FS-19	33						100%	Y		Dropped	Dropped due to Land Problem .
15	FS	FS-1	35/1	100%	100%	100%	100%		100%	N	NA		Gate 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 installed but shaft & handle is to be installed as new design.
27	FS	FS-18	35/1	100%	100%	100%	100%		100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
28	FS	FS-19	35/1	100%	100%	100%	100%		100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
29	FS	FS-21	35/1						0%				The local farmer and UP Member demanded new sluice by their letter dated 10.12.2018 to EE & DRE,CEIP-1.Land issues for diversion channel at R/S needs to be solved & decision of compenent authority needs for next step of construction of FS-21.Instruction from Dhaka office that FS-21 needs to be constructed.BWDB land to be identified by Resettlement team.
30	FS	FS-22	35/1	100%	100%	100%	100%		100%	N	NA		Gate installed but shaft & handle is to be installed as new design.
31		FS-23	35/1						100%	Y		Dropped	Dropped due to Land Problem for excavation of diversion channel
32	FS	FS-1	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
33	FS	FS-3	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
34	FS	FS-4	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
35	FS	FS-5	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
36	FS	FS-6	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
37	FS	FS-8	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
38	FS	FS-9	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
39	FS	FS-10	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
40	FS	FS-13	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.
41	FS	FS-14	35/3	100%	100%	100%	100%		100%	N	NA		Sluice in operation.

Table 3-49: 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 (30 June, 19)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Repairing of Drainage Sluices</b>												
1	DS	DS-03	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
2	DS	DS-10	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
<b>Repairing of Flushing Sluices</b>												
1	FS	FS-01	32	100%	100%	100%	100%	100%	N	NA		Sluice in operation
2	FS	FFDFB-01	32	100%	100%	100%	100%	100%	N	NA		work completed
3	FS	FFDFM-01	32	100%	100%	100%	100%	100%	N	NA		work completed
4		FFDFR-01	32					100%			Dropped	No need to repair. (FFDFR-01)
5	FS	FM-08	32	100%	100%	100%	100%	100%	N	NA		work completed
6		FS-04	32					100%			Dropped	Sluice not repairable.(FS-04)
7	FS	FM-09	32	100%	100%	100%	100%	100%	N	NA		work completed
8	FS	FM-10	32	50%		30%		22%	N	NA		work in progress.
9		FM-12	32					100%			Dropped	Sluice no need to repair.(FS-12)
10		FM-01	32					100%			Dropped	Sluice no need to repair.(FS-01)
11		FM-02	32					100%			Dropped	Sluice is now in no use.(FS-02)
12		FM-07	32					100%			Dropped	No need repair, connected with the private pond.(FS-07)
13		FM-11	32					100%			Dropped	No need repair, connected with the private pond.(FS-11)
14		FO-02	32					100%			Dropped	Outside the rtd. Embankment (FO-02)
15		FO-03	32					100%			Dropped	Sluice no need to repair.(FO-03)
16		FO-04	32					100%			Dropped	Outside the rtd. Embankment (FO-04)
17		FO-05	32					100%			Dropped	Outside the rtd. Embankment (FO-05)
18		FO-06	32					100%			Dropped	Outside the rtd. Embankment (FO-06)
19		FH-9	32					100%			Dropped	Engulf due of river erosion.(FH-09)
20		FS-02	33					100%	Y		Dropped	Private structure, repair not needed. (FH-02)
21		FS-12	33					100%	N	NA	Dropped	Private structure, repair not needed. (FH-02)
22	FS	FS-13	33	100%	100%	100%	100%	100%	N	NA		Structural work completed. Installation of get yet to be done.
23	FS	FS-15	33	100%	100%	100%	100%	100%	N	NA		Structural work completed. Installation of get yet to be done.
24	FS	FS-16	33	100%	100%	100%	100%	100%	N	NA		Structural work completed. Installation of get yet to be done.
25		FS-18	33					100%	Y		Dropped	Private structure, repair not needed. (FH-18)
26	FS	FS-03	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
27	FS	FS-10	35/1	100%	100%	100%	100%	100%	N	NA		Gate installed but not commissioned.
28	FS	FS-20	35/1					0%	N	NA		Not feasible to repair,need to be replaced.
29	FS	FS-02	35/3	100%	100%	100%	100%	100%	N	NA		work completed
30	FS	FS-07	35/3	100%	100%	100%	100%	100%	N	NA		work completed

Table 3-50: 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 June 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	100%	100%	100%	100%	1.000	100%	Rest will be completed after construction of D-10.
4	32	1.000	15.000	16.000	N	NA					0.000	0%	Retired embankment not yet completed .
6	33	0.100	28.500	28.600	N	NA	100%	100%	100%	100%	0.100	100%	Work Completed.
10	33	2.199	41.735	43.934	N	NA	100%	100%	100%	100%	2.199	100%	Work Completed.
11	33	0.042	44.031	44.073	N	NA	100%	100%	100%	100%	0.042	100%	Work Completed.
12	33	0.110	45.000	45.110	N	NA	100%	100%	100%	100%	0.110	100%	Work Completed.
13	33	0.165	45.300	45.465	N	NA	100%	100%	100%	100%	0.165	100%	Work Completed.
14	33	0.100	45.465	45.565	N	NA	100%	100%	100%	100%	0.100	100%	Work Completed.
	33	1.000	45.600	46.600	N	NA	100%	100%	100%	100%	1.000	100%	Work Completed.
15	33	0.300	48.185	48.485	N	NA	0%	0%	0%	0%	0.000	0%	Retired embankment not yet completed .
18	35/1	1.000	2.300	3.300	N	NA	30%	70%	50%	15%	0.578	60%	Retired embankment partially done during 2016-2017.Embankment work is in progress.
19	35/1	1.500	3.800	5.300	N	NA	30%	70%	50%	15%	0.866	60%	Resectioning of embankment not yet completed.
20	35/1	0.750	8.000	8.750	N	NA	30%	70%	50%	15%	0.433	60%	Resectioning of embankment not yet completed.
21	35/1	0.500	13.200	13.700	N	NA	25%	70%	60%	10%	0.289	60%	Embankment not yet started.
22	35/1	3.000	14.000	17.000	N	NA	90%	100%	95%	60%	2.802	94.150%	Revised shop drawing from km 14.000 to km 17.000 needs to be received from contractor for repairing existing slope protection.Salvage blocks records not yet received from CHWE.
23	35/1	5.000	20.500	25.500	Y		80%	85%	55%	30%	3.630	76%	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%	0.700	95%	work in progress.work reduced to 0.700 m
	<b>Total</b>	<b>19.966</b>									<b>15.314</b>	<b>79.22%</b>	



Table 3-51: 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 June 30, 2019	Remarks
Package 1					3%	83%	6%	8%			
1	32	0.750	20.493	21.243	90%	100%	90%	75%	0.750	97.1%	Work substantially completed.
2	32	0.500	25.450	25.950	100%	100%	99%	100%	0.500	99.94%	Work substantially completed.
3	32	0.750	48.824	49.574	60%	100%	79%	50%	0.750	93.54%	Dumping work Completed. Work is in Progress.
4	33	0.200	0.000	0.200	100%	100%	100%	100%	0.200	100%	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 3.9 to 4.1. Design and Drawing is approved by Team Leader,CEIP-1.Shop drwing needs to be received from CHWE.Variation needs to be done.
9	35/1	0.600	3.3	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							4.050	88.48%	

Table 3-52: 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 (June 19)	LA Problem	LA - Current Status	Remarks
Closure Dam Construction									
1	Nalian Closure	32	70%			18%	N	NA	Work in progress

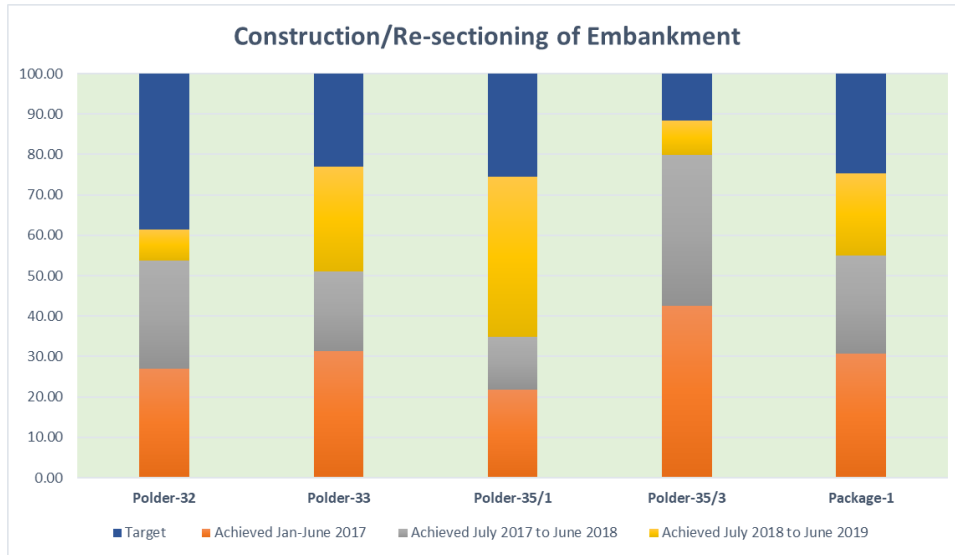


Figure 3-33: Construction/Re-sectioning of Embankment of Package-1

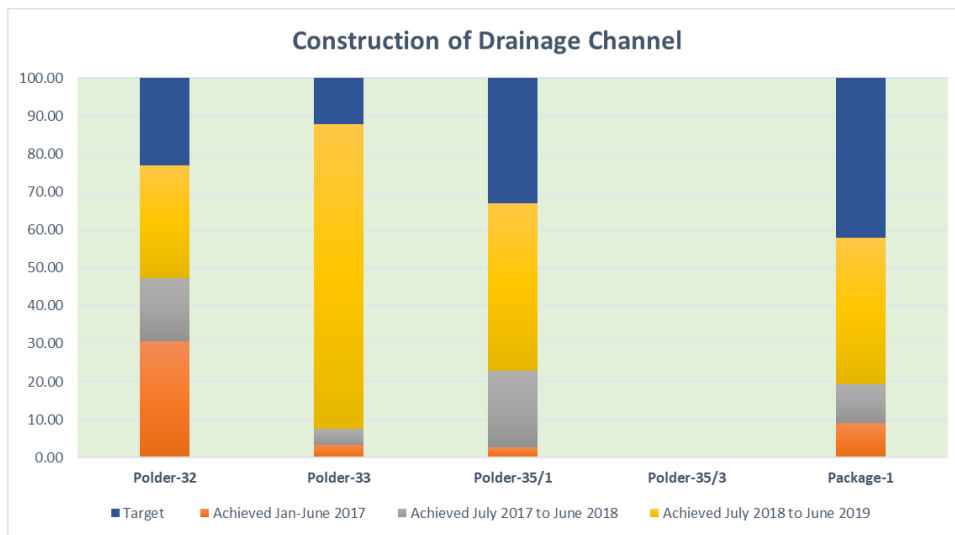


Figure 3-34: Drainage Channel of Package-1

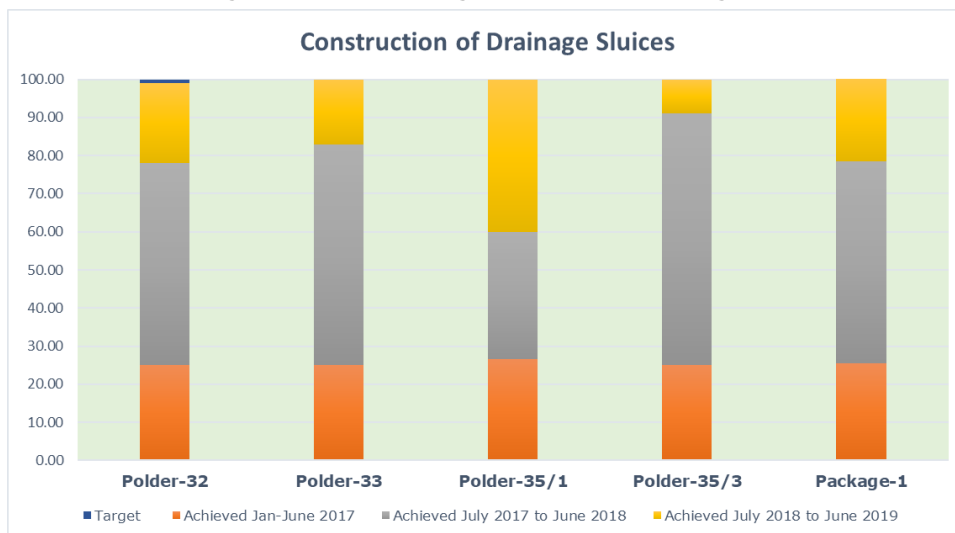


Figure 3-35: Construction of Drainage Sluices of Package-1

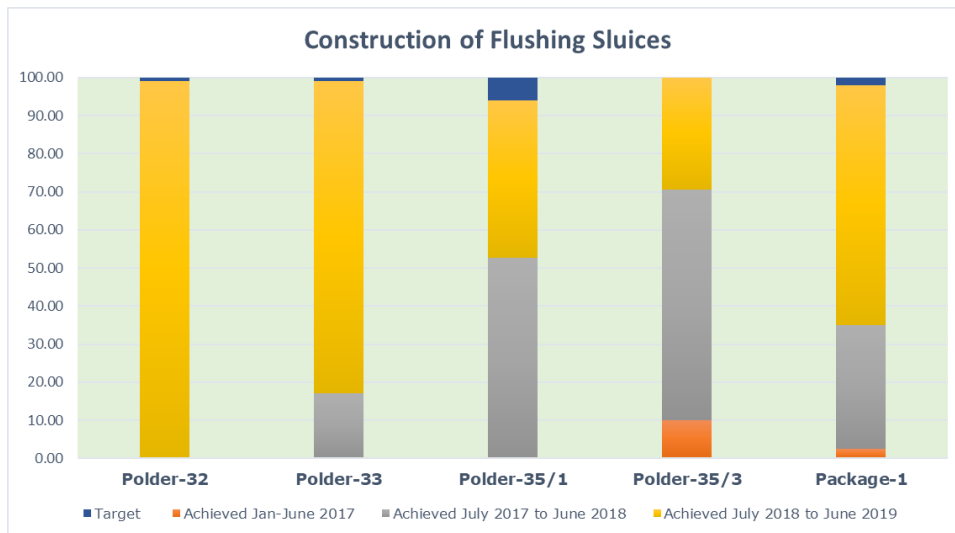


Figure 3-36: Construction of Flushing Sluice of Package-1

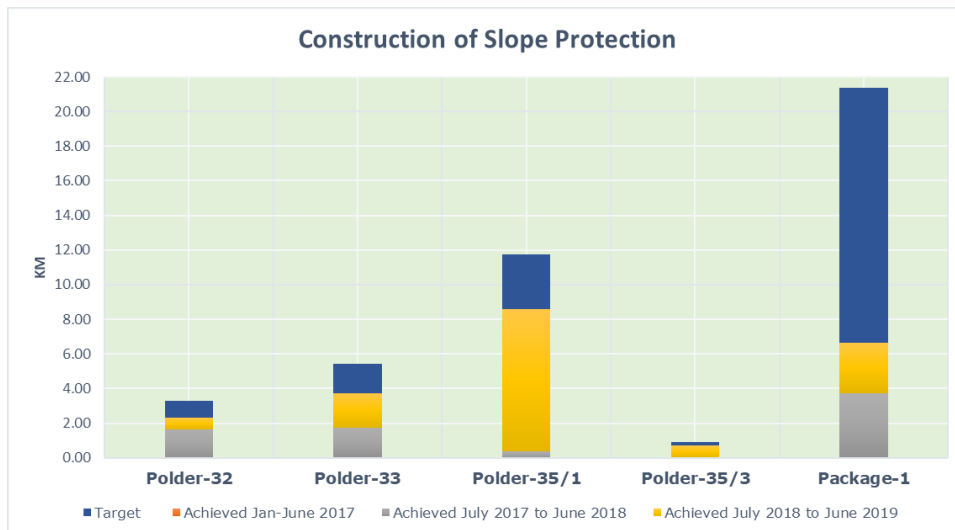


Figure 3-37: Construction of Slope Protection of Package-1

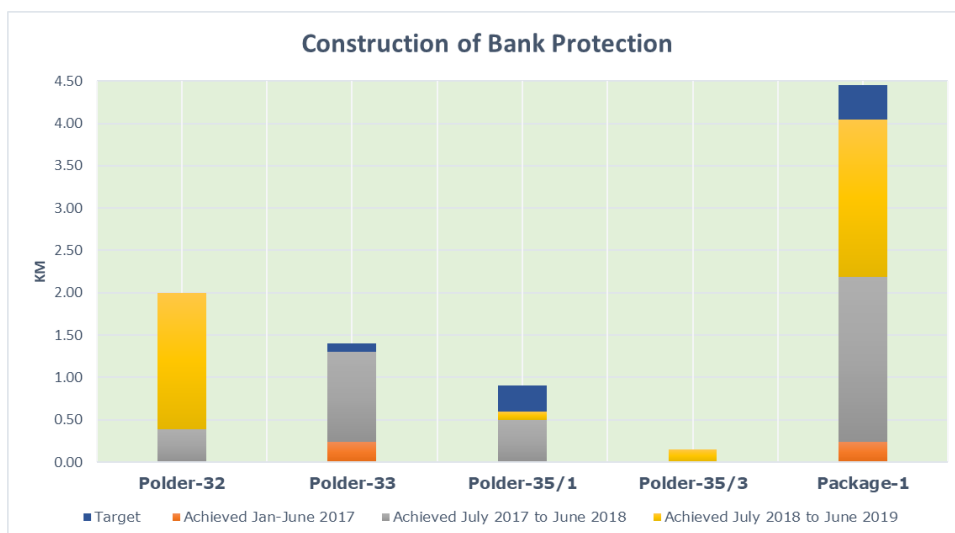


Figure 3-38: Construction of Bank Protection of Package-1

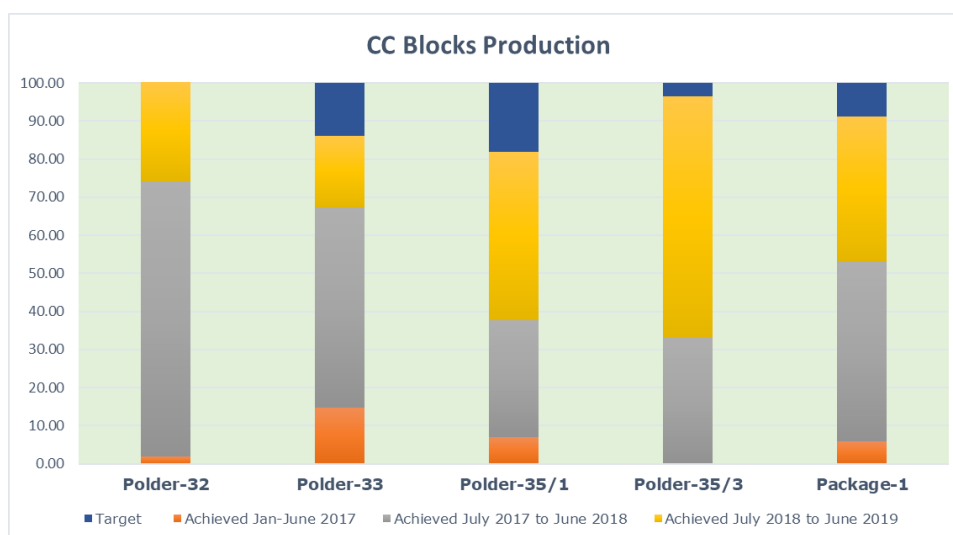


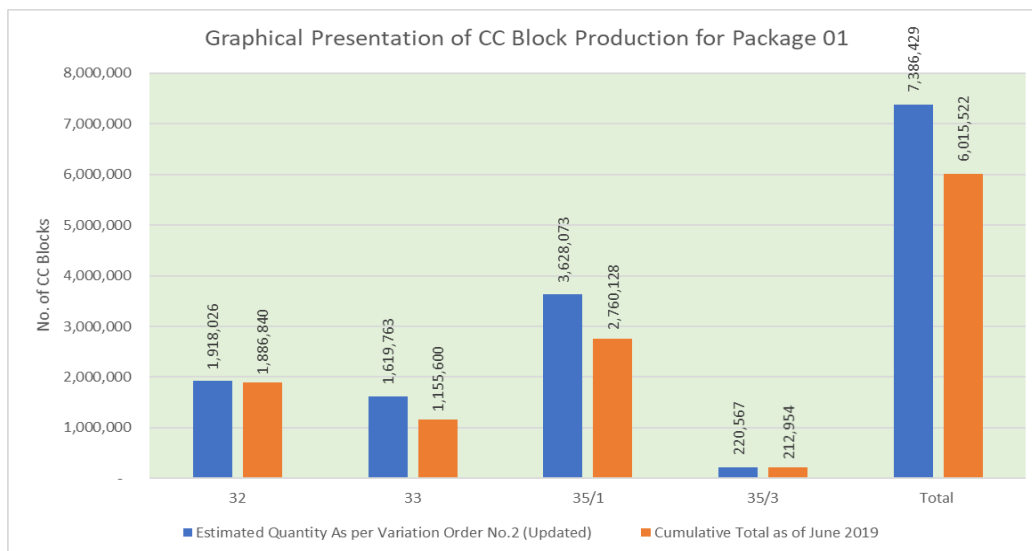
Figure 3-39: CC Blocks Production of Package-1

Table 3-53: Progress as on June 2019

Item	Unit	Contract Quantity	Status 30 June 2019	
Embankment Construction/Re-sectioning	Km	200.617	146.163	(F)
			22.387	(P)
Drainage Channel Excavation/Re-excavation	Km	151.210	114.770	(F)
Drainage Sluice Construction	No.	38	35	(F)
			3	(P)
Drainage Sluice Repair	No.	2	2	(F)
			0	(P)
Flushing Inlet Construction	No.	30	28	(F)
			1	(P)
Flushing Inlet Repair	No.	14	12	(F)
			1	(P)
Embankment Slope Protection Work	Km	19.966	15.314	(F)
River Bank Protection Work	Km	4.45	4.050	(F)
Closure Dam Construction	No.	1	70% of the foundation works	

**Table 3-54: CC Blocks Production as on June 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 May 2019	Production during June 2019					Cumulative Total as of 30 June 2019
						40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	Total (No)	
1	32	1,918,026	21,223	304,899	1,886,840	0	0	0	0	0	1,886,840
2	33	1,619,763	59,088	377,958	1,155,600	0	0	0	0	0	1,155,600
2	35/1	3,628,073	37,398	372,432	2,722,093	0	38,035	0	0	38,035	2,760,128
3	35/3	220,567	60,620	369,555	212,954	0	0	0	0	0	212,954
	<b>Total =</b>	<b>7,386,429</b>	<b>178,329</b>	<b>1,424,844</b>	<b>5,977,487</b>	<b>0</b>	<b>38,035</b>	<b>0</b>	<b>0</b>	<b>38,035</b>	<b>6,015,522</b>



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



**Figure 3-41: Completed Embankment in Polder-32**



**Figure 3-42: Completed Slope Protection Works in Polder-32**





Figure 3-43: Completed DS of Polder-32



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



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



Figure 3-46: Completed Slope Protection Works in Polder-32



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 16 nos. has been dropped and those are reflected in detailed in Table 3-55 and Table 3-56 below:

Table 3-55: Information of Repair of Flushing Sluices and Drainage Sluices

Sl No.	Name of Polder	Total Nos. as per Contract	Current Status	Total Dropped	Remarks
01.	Polder-32	20 nos.	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	-
<b>Total =</b>		<b>30 Nos.</b>	<b>14 Nos.</b>	<b>16 Nos.</b>	

Remaining (30-16) = 14 nos. are in the program out of which 6 nos. have been completed and 7 nos. are in progress and remaining 1 no. has not yet started for want of data which are supposed to be supplied by the contractor.

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

Table 3-56: List of Flushing Sluices Dropped from the repairing Program

Flushing Sluices	Reasons for dropping
<b>Polder 32</b>	
FFDFR-01	Not repairable
FS-04	Not repairable
FM-01	Not repairable
FM-02	Sluice is now in no use.
FM-07	No need repair, connected with the private pond.
FM-11	No need repair, connected with the private pond.
FM-12	Sluice could not be identified.
FO-02	Outside the Rtd. Embankment
FO-03	Not repairable
FO-04	Outside the Rtd. Embankment
FO-05	Outside the Rtd. Embankment
FO-06	Outside the Rtd. Embankment
FH-09	Engulf due of river erosion.
FH-18	Private structure
<b>Polder 33</b>	
FS-02	Private structure, repair not needed.
FS-18	Private structure, repair not needed.

### 3.4.7 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 June 2019 are shown below:



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

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

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

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

Sl. No.	Name of Polder	Total Length	Total Cost Estimate (BDT)
01	Polder-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
<b>Total =</b>		<b>10.118</b>	<b>58,913,141</b>

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

Table 3-59: 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



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
<b>Total</b>		<b>39</b>	<b>39</b>	<b>7.62</b>			<b>39,991,142</b>		

Table 3-60: 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

**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	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

**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						
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

**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						
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
<b>Total</b>		<b>100</b>	<b>100</b>	<b>10.12</b>			<b>58,913,141</b>		

## 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 June, 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 in total 10% advanced payment to the contractor.

Upon receipt of the total 10% Advanced Payment, the Contractor proceeded with the procurement of goods and services to create the team and physical facilities, equipment and/or tools and started work on site.



### 3.5.2 Physical Progress (Mile Stone Matrix)

Table 3-61: Physical Works of Package-2 as on 30 June 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	208.710	47.90	0	18.82	12.280	0.000	13.3	18.82	13.300
					9.02%	25.12%	0.00%	25.12%	9.02%	25.12%
Drainage Channel Excavation/Re-excavation	Km	154.632 <sup>1</sup>	40.50	0	16.77	0.000	3.299	0	20.07	0
					10.84%	-	2.13%	-	12.98%	-
Drainage Sluice Construction	No.	50	22	0	0	19	0	19	0	19
					0.00%	51.68%	0.00%	55.13%	0.00%	55.13%
Drainage Sluice Repair	No.	6	5	0	0	1	0	1	0	1
					0.00%	0.08%	0.00%	0.08%	0.00%	0.08%
Flushing Inlet Construction	No.	51 <sup>2</sup>	17	0	0	15	0	15	0	15
					0.00%	63.15%	0.00%	63.15%	0.00%	63.15%
Flushing Inlet Repair	No.	30	8	0	0	2	0	2	0	2
					0.00%	0.13%	0.00%	0.13%	0.00%	0.13%
Embankment Slope Protection Work	Km	9.480	1.8	0	0.00	-	0.150	-	0.15	-
					0.00%	-	1.58%	-	1.58%	-
River Bank Protection Work	Km	5.395	2.95	0	1.350	-	0.550	-	1.900	-
					25.02%	-	10.19%	-	35.22%	-
Construction of Road Pavement	Km	51.00	0	0	-	-	-	-	-	-
Construction of RCC Flood Wall	Km	17.00 <sup>3</sup>	0	0	-	-	-	-	-	-
Closure Dam Construction	No.	8	0	0	-	-	-	-	-	-

<sup>1</sup> The quantity has been adjusted as compare to the previous MPR based on the re-calculation. The values was 187.02.

<sup>2</sup> The quantity has been adjusted as compare to the previous MPR based on the re-calculation. The values was 73.

<sup>3</sup> 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 3-62: 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	14	0	5	9	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
<b>Total</b>		<b>50</b>	<b>0</b>	<b>19</b>	<b>31</b>	<b>0</b>	<b>51</b>	<b>0</b>	<b>15</b>	<b>36</b>	<b>0</b>

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
	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	7	0
	47/2	0	0	0	0	0	2	0	0	2	0
	48	3	0	0	3	0	0	0	0	0	0
	<b>Total</b>		<b>6</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>2</b>	<b>28</b>

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	1.90	54.29%	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	4.23	1.83	43.25%
Package 2	41/1	0.875	0.00	0.00%	0.00	0.00	NA	6	23.13	2.82	12.20%
Package 2	43/2C	0.500	0.00	0.00%	0.26	0.00	0.00%	8	28.16	2.44	8.67%
Package 2	47/2	0.520	0.00	0.00%	0.00	0.00	NA	4	9.17	9.16	99.88%
Package 2	48	0.000	0.00	NA	4.08	0.15	3.68%	9	32.72	3.82	11.68%
Package 2		<b>5.395</b>	<b>1.90</b>	<b>35.22%</b>	<b>9.48</b>	<b>0.15</b>	<b>1.58%</b>	<b>40</b>	<b>154.63</b>	<b>20.068</b>	<b>12.98%</b>
<b>Total</b>		<b>5.395</b>	<b>1.90</b>	<b>35.22%</b>	<b>9.48</b>	<b>0.15</b>	<b>1.58%</b>	<b>40</b>	<b>154.63</b>	<b>20.068</b>	<b>12.98%</b>

Package No	Polder No	Embankment Construction			
		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		<b>208.71</b>	<b>18.82</b>	<b>9.02%</b>	<b>12.28</b>
<b>Total</b>		<b>208.71</b>	<b>18.82</b>	<b>9.02%</b>	<b>12.28</b>

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

**Table 3-63: 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 June 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		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	4,100	0.00	0.85		0	21.64%	0.00%	19.91%	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	22,480	0.00	1.50		0	48.90%	0.00%	44.98%	Work in Progress
10	40/2	Gapbharia	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		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		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		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		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	88,374	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 June 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	Retired	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	Retired	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	132,500	0.00	7.730		0	70.30%	0.00%	64.68%	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	Retired	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	132,500	0.00	7.73	0	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 June 2019	Remarks
<b>Polder-43/2C</b>																		
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	0.450	0.900	1.350	Resectioning	Yes	Waiting for DLAC	13,945	10,500	0.00	0.400		0	75.30%	0.00%	69.27%	Work in Progress
4	43/2C	Gabua	0.550	1.350	1.900	Resectioning	Yes	Waiting for DLAC	13,111						0.00%		0.00%	Program for next year
5	43/2C	Gabua	0.200	1.900	2.100	Resectioning	Yes	Waiting for DLAC	5,214	2,000	0.00	0.200			38.36%		35.29%	Work in Progress
6	43/2C	Gabua	1.928	2.100	4.028	Resectioning	Yes	Waiting for DLAC	55,775					0	0.00%	0.00%	0.00%	Program for next year
7	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.
8	43/2C	Boro Gabua	0.946	4.904	5.850	Resectioning	Yes	Waiting for DLAC										Program for next year
9	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.
10	43/2C	Golkhali	5.376	7.500	12.876	Resectioning	Yes	Ministry of Land										Program for next year
11	43/2C	East Golkhali	0.297	12.876	13.173	Retired	Yes	Notice Section-4 Served										Program for next year
12	43/2C	East Golkhali	0.165	13.173	13.338	Resectioning	Yes	Notice Section-4 Served										Program for next year
13	43/2C	East Golkhali	0.577	13.338	13.915	Retired	Yes	Notice Section-4 Served										Program for next year
14	43/2C	East Golkhali & Badar pur	3.855	13.915	17.770	Resectioning	Yes	Notice Section-4 Served										Program for next year
15		Kalirchar	0.330	17.770	18.100	Resectioning	Yes	Ministry of Land										Program for next year
16		Suharinij Char	3.750	18.100	21.850	Resectioning	Yes	Proposal under Preparation										Program for next year
17	43/2C	Suharinij Char	1.310	21.850	23.160	Resectioning	Yes	Ministry of Land										Program for next year
18	43/2C	Suhari	1.990	23.160	25.150	Resectioning	Yes	Waiting for DLAC										Program for next year
19	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						122,489	12,500	-	0	-	-				
<b>Polder-47/2</b>																		
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	Retired	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	Retired	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				



**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 June 2019	Remarks
er-48																	
48	Khajura	0.534	0.000	0.534	Resectioning	No	NA	11,475									Program for next year.
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.
48	Char Chapali	0.316	16.134	16.450	Resectioning	No	NA	5,513	5,513	0.316	0.000	0	100.00%	0.00%	92.00%	Work in Progress	
48	Ashakhali	0.685	16.450	17.135	Resectioning	No	NA	114,878	71,500	0.00	0.685	0	62.24%	0.00%	57.26%	Work in Progress	
48	Ashakhali	12.315	17.135	29.450	Resectioning	No	NA	1,344,805									Program for next year
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.
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.
48	Do	3.845	30.455	34.300	Resectioning	No	NA	199,601									Program for next year
48	Do	0.250	34.300	34.550	Resectioning	No	NA	25,871	25,871	0.250		0	100.00%	0.00%	92.00%	Work in Progress	
48	Khajura	3.475	34.525	38.000	Resectioning	No	NA	273,065									Program for next year
Polder-48		38.025						2,014,665	102,884	0.566	0.685	-					
nd Total of Package-2		208.05						5820234.70	460000.00	19.17	12.02	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 3-64: 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 June 2019	Remarks
<b>Package 2</b>								
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	1.83	1.830	36574.00	35,558.00	100%	Work in Progress
14	41/1	Lobongla Khal	4.073	0.000	14393.64		0%	Next year program
15	41/1	Charnalar Khal	1.260	1.110	18345.000	16,323.00	88%	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	1.813	1.713	23564.00	21,848.00	94%	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	2.440	2.440	35,930.84	35,715.00	100%	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	8,019.00	100%	Completed
29	47/2	Kichikata Khal	1.700	1.700	13,607.00	13,607.00	100%	Work in Progress
30	47/2	Dhankhola Khal	4.791	4.780	53,943.00	53,943.00	100%	Work in Progress
31	47/2	Piarpur Khal	2.000	2.000	29,714.00	29,714.00	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	2.472	26,483.00	26,483.00	100%	Work in Progress
38	48	Kauarchar Khal	1.000	0.000	7,818.25		0%	Next year program
39	48	Kalaipara Khal	0.350	0.350	9,547.58	9,547.50	100%	Work in Progress
40	48	Goramkhula Khal	2.726	0.000	30,376.72		0%	Next year program
		<b>Total</b>	<b>154.63</b>	<b>19.071</b>	<b>1,143,439.725</b>	<b>250,757.500</b>		

**Table 3-65: 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 (June 2019)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Drainage Sluice</b>												
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%	100%		85.00%	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%	25%	88.20%	N	NA		Work in progress
15	DS	DS-3	40/2	100%	100%	99%	40%	90.45%	N	NA		Work in progress
16	DS	DS-5	40/2	100%	100%	99%		84.45%	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%	99%		84.45%	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%	99%	45%	91.20%	N	NA		Work in progress
28	DS	DS-6	41/1	100%	100%	99%		84.45%	N	NA		Work in progress
29	DS	DS-7	41/1	100%	100%	99%		84.45%	N	NA		Work in progress
30	DS	DS-8	41/1	100%	100%	99%		84.45%	N	NA		Work in progress
31	DS	DS-9	41/1	100%	100%	99%		84.45%	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%	99%		84.45%	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%	99%	50%	91.95%	N	NA		Work in progress
42	DS	DS-2	47/2	100%	100%	99%	50%	91.95%	N	NA		Work in progress
43	DS	DS-3	47/2	100%	100%	99%		84.45%	N	NA		Work in progress
44	DS	DS-4	47/2	100%	100%	99%		84.45%	N	NA		Work in progress
45	DS	DS-1	48	100%	100%	99%	50%	91.95%	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%	99%		84.45%	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 3-66: 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 (June 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%	99%		84.45%	N	NA		Work in progress
24	FS	FS-10	40/2	100%	100%	99%		84.45%	N	NA		Work in progress
25	FS	FS-1	41/1	100%	100%	99%		84.45%	N	NA		Work in progress
26	FS	FS-3	41/1	100%	100%	99%		84.45%	N	NA		Work in progress
27	FS	FS-6	41/1					0.00%	Y			Resettlement issue has not yet been resolved
28	FS	FS-7	41/1					0.00%	Y			Resettlement issue has not yet been resolved
29	FS	FS-8	41/1	100%	100%	100%	37%	90.55%	N	NA		Work in progress
30	FS	FS-9	41/1	100%	100%	100%	50%	92.50%	N	NA		Work in progress
31	FS	FS-10	41/1					0.00%	N	NA		DS-7 is to be construction instead of FS-10.
32	FS	FS-15	41/1	100%	100%	100%	25%	88.75%	N	NA		Work in progress
33	FS	FS-21	41/1					0.00%	Y			Re-Settlement problem
34	FS	FS-22	41/1					0.00%	Y			Re-Settlement problem
35	FS	FS-23	41/1					0.00%	Y			Re-Settlement problem
36	FS	FS-24	41/1					0.00%	Y			Re-Settlement problem
37	FS	FS-25	41/1					0.00%	Y			Re-Settlement problem
38	FS	FS-28	41/1					0.00%	Y			Re-Settlement problem
39	FS	FS-1	43/2C					0.00%	N	NA		Program for next dry season
40	FS	FS-1A	43/2C	10%				1.00%	Y			Work started but stopped due to land problem
41	FS	FS-8	43/2C					0.00%	Y	Notice Section-4 Served		Land problem issue has not yet been resolved
42	FS	FS-10	43/2C					0.00%	Y	Ministry of Land		Land problem issue has not yet been resolved
43	FS	FS-12	43/2C					0.00%	Y	do		Land problem issue has not yet been resolved
44	FS	FS-13	43/2C					0.00%	N	NA		Program for next year
45	FS	FS-18	43/2C					0.00%	Y	Ministry of Land		Land problem issue has not yet been resolved
46	FS	FS-1	47/2	100%	100%	100%	50%	92.50%				Work stopped from July, 2018
47	FS	FS-6	47/2	100%	100%	99%		84.45%	N	NA		Work in progress
48	FS	FS-7	47/2	100%	100%	99%		84.45%	N	NA		Work in progress
49	FS	FS-1	48	100%	100%	99%		84.45%	N	NA		Work in progress
50	FS	FS-3	48	100%	100%	99%		84.45%	N	NA		Work in progress
51	FS	FS-4	48	100%	100%	99%		84.45%	N	NA		Work in progress

Table 3-67: 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 CC block placing - Gate	Weighted % progress (June 19)	LA Problem	LA - Current Status	Status (Dropped/ Not Dropped)	Remarks
<b>Repair of Drainage Sluices</b>												
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
<b>Repair of Flushing Sluice</b>												
1	FS	FS-1	40/2					0.00%	N	NA		Next year Program
2	FS	FS-2	40/2					0.00%	N	NA		Shop drawing is under process of approval
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%	95%	99.25%	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 3-68: 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 June, 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%	70%			0.000	57%	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%	100%	100%	100%	0.150	100%	Work in progress
Total		9.476									0.150	12.07%	

Table 3-69: 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 June 2019	Remarks
Package 2					3%	85%	9%	3%			
1	39/2C	1.000	42.600	43.600	100%	100%	50%	0%	0.600	92.50%	Work in progress
2	39/2C	2.500	51.500	54.000	100%	48%	30%	30%	1.300	47.40%	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%	50%			0.000	46%	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%	50%			0.000	46%	Work in progress
Total		5.395							1.900	35.22%	

Table 3-70: 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 (June 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

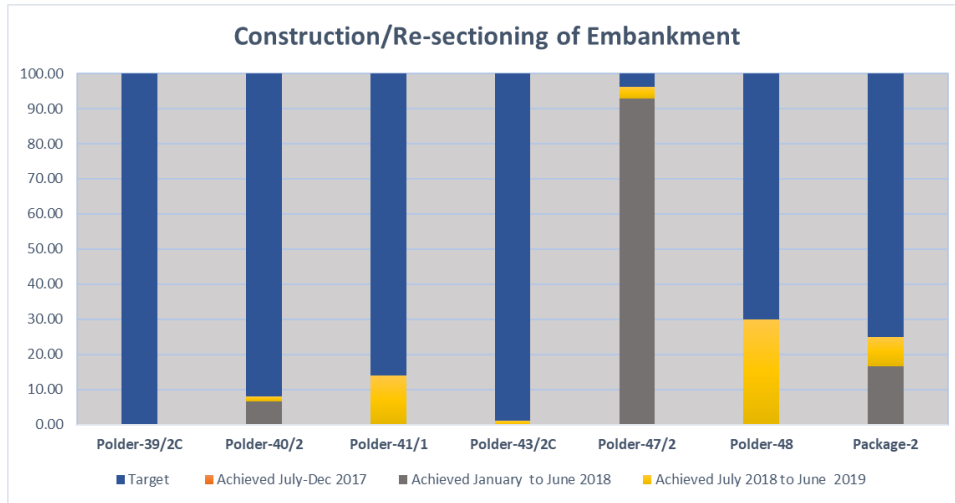


Figure 3-55: Construction / Re-sectioning of Embankment of Package-2

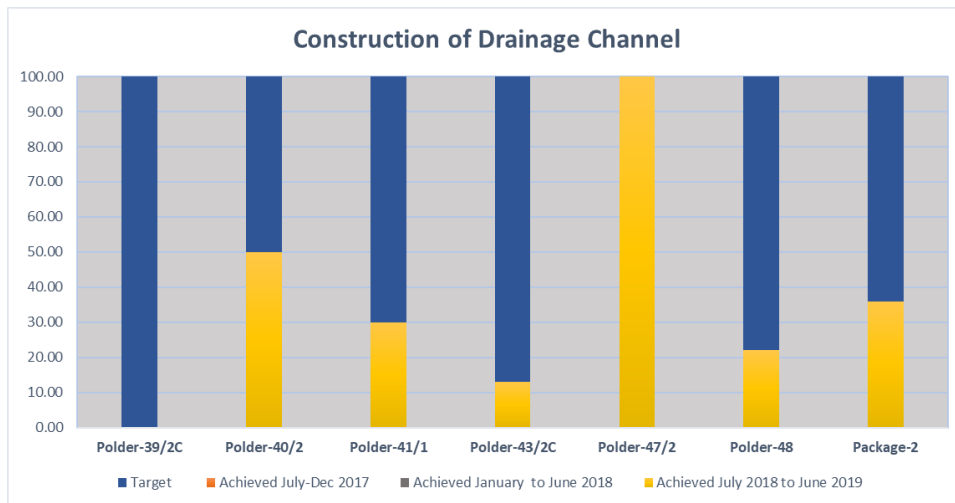


Figure 3-56: Construction of Drainage Channel of Package-2

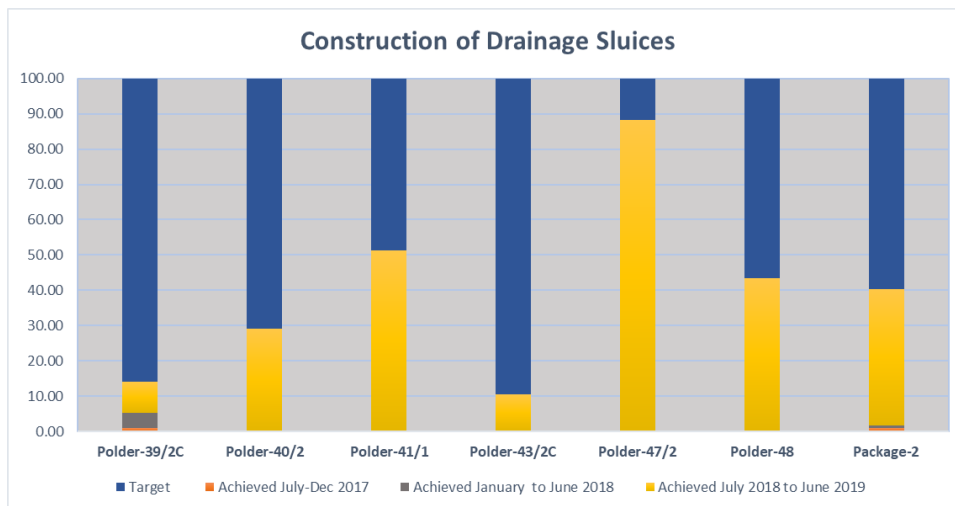


Figure 3-57: Construction of Drainage Sluice of Package-2

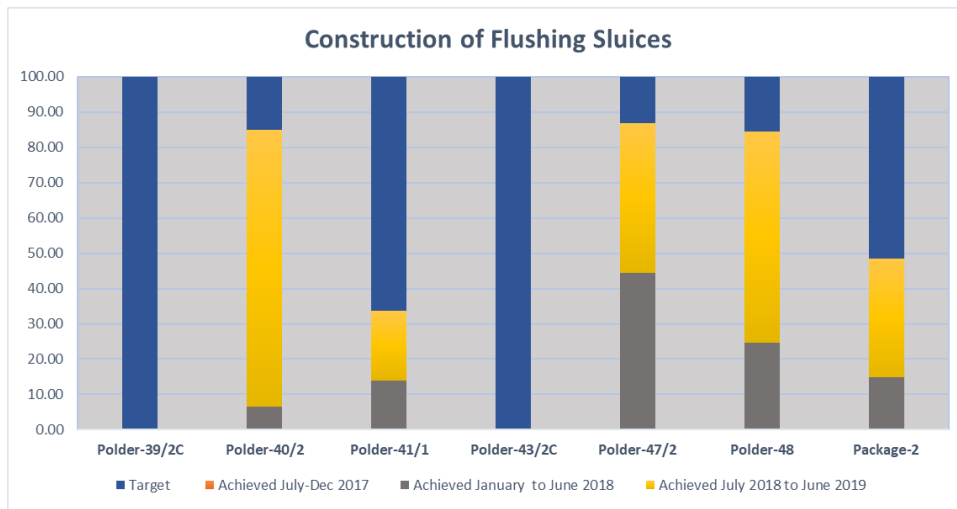


Figure 3-58: Construction of Flushing Sluice of Package-2

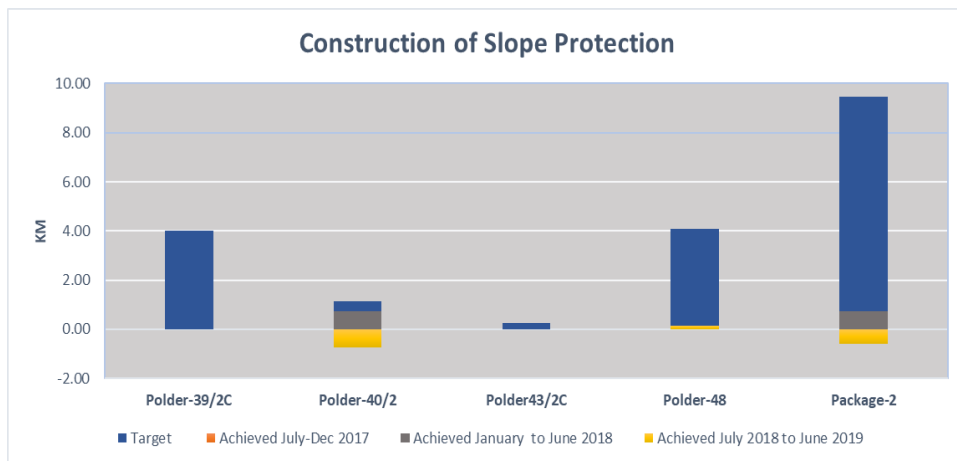


Figure 3-59: Construction of Slope Protection of Package-2

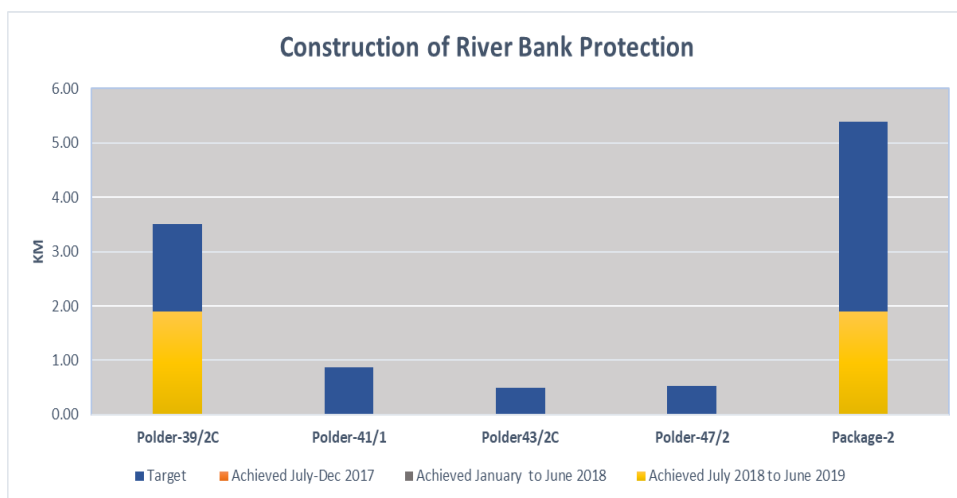


Figure 3-60: Construction of River Bank Protection of Package-2

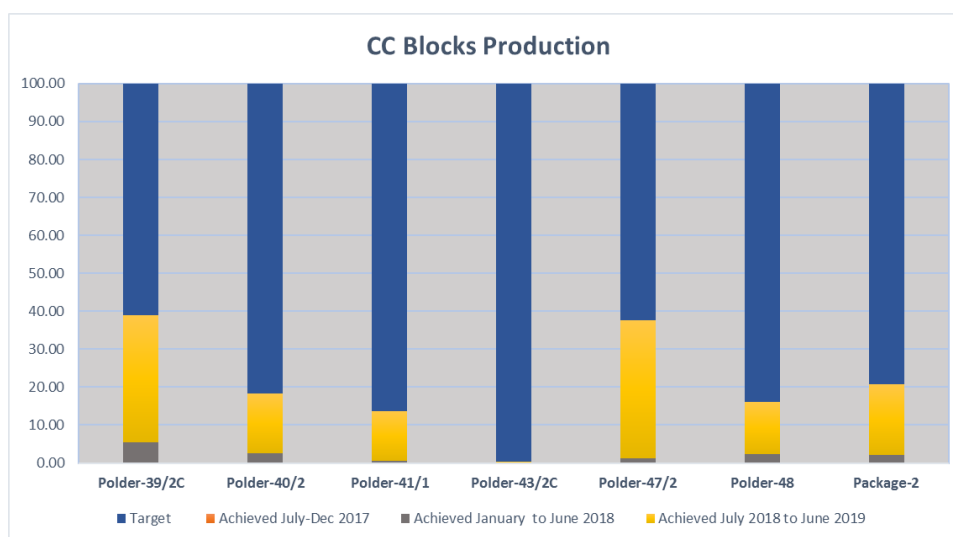


Figure 3-61: CC Blocks Production of Package-2

Table 3-71: Progress of Package-2 as on June 2019

Item	Unit	Contract Quantity	Status 30 June 2019
Embankment Construction/Re-sectioning	Km	208.710	18.82 (F)
			13.300 (P)
Drainage Channel Excavation/Re-excavation	Km	154.632	20.07 (F)
Drainage Sluice Construction	No.	50	0 (F)
			19 (P)
Drainage Sluice Repair	No.	6	0 (F)
			1 (P)
Flushing Inlet Construction	No.	51	0 (F)
			15 (P)
Flushing Inlet Repair	No.	30	0 (F)
			2 (P)
Embankment Slope Protection Work	Km	9.480	0.15 (F)
River Bank Protection Work	Km	5.395	1.900 (F)
Construction of Road Pavement	Km	51.00	0.000
Construction of RCC Flood Wall	Km	17.00	0.000
Closure Dam Construction	No.	8	0

Table 3-72: CC Blocks Production as on June 2019

S.N.	Polder Number	Estimated Quantity	Cumulative Total as of 31 Dec 2017	Cumulative Total as of 31 May 2019	Production during June 2019					Cumulative Total as of 30 June 2019
					40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	Total (No)	
1	39/2C	7,598,926	0	2,616,534	280,432	0	0	54,558	334,990	2,951,524
2	40/2	530,130	0	93,886	0	492	3,001	0	3,493	97,379
3	41/1	1,153,937	0	143,240	13,749	0	0	0	13,749	156,989
4	43/2C	789,700	0	2,021	0	0	0	0	0	2,021
5	47/2	481,717	0	165,877	11,073	0	3,338	0	14,411	180,288
6	48	867,351	0	138,575	-2,100	0	0	5,148	3,048	141,623
	<b>Total =</b>	<b>11,421,761</b>	<b>0</b>	<b>3,160,133</b>	<b>303,154</b>	<b>492</b>	<b>6,339</b>	<b>59,706</b>	<b>369,691</b>	<b>3,529,824</b>

### 3.5.3 Advance Payments

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

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

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 3-73. The Contractor has established their site offices at Bhandaria, Kalapara, Barguna, Patharghata and their field head quarter at Patuakhali.

Table 3-73: 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	6	2	2	2	0	0	0	0	0
2	Technical Staff	94	2	0	46	5	12	5	6	18
3	Admin/Support	56	2	0	15	3	12	6	6	12
4	Operator/Driver	185	2	2	83	20	30	12	10	26
5	Skilled Labour	355	0	1	120	85	83	18	12	36
6	Unskilled Labour	677	4	8	225	171	143	54	18	54
	<b>Total=</b>	<b>1,373</b>	<b>12</b>	<b>13</b>	<b>491</b>	<b>284</b>	<b>280</b>	<b>95</b>	<b>52</b>	<b>146</b>

### 3.5.4 Equipment mobilization

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

The target of the 1st dry season is to manufacture CC block in connection with River Bank Protection work. Thus 5 nos. automated CC block manufacturing Machines are installed at the CC blocks manufacturing Yard in Polder-39/2C. Some CC block will also be manufactured manually, for which CC block manufacturing started in Polder-40/2, Polder-41/1, Polder-43/2C, Polder-47/2, & Polder-48.

A length of 18.82 km full and 13.30 km Partially Embankment Re-sectioning work has been completed.

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



Table 3-74: Mobilisation List of Equipment for Package-2

S. N.	Description	Polder:						Total	Remarks
		39/2 C	40/2	41/1	43/2 C	47/2	48		
1	Bulldozer	0	1	1	1	2	2	7	
2	Excavator	5	9	10	2	3	7	36	
3	Loader	10	3	2	1	2	3	21	
4	Compaction Roller	1	1	1	-	-	1	4	
5	Water Tanker	1	1	1	-	1	1	5	
6	Fork Lift	61	-	2	-	1	1	65	
7	Dump Truck	16	14	11	3	8	26	78	
8	Pick Up	1	-	1	-	-	1	4	1 nos. Patuakhali
9	Light Truck	2	-	1	-	1	-	4	
10	Flat Truck	3	2	3	-	1	2	11	
11	Crane Truck	0	-	1	-	1	1	3	
12	Lorry-Mounted Crane	1	-	-	-	-	-	1	
13	Diesel Tanker	1	-	1	-	1	1	4	
14	Hydraulic Breaking Hammer	1	-	1	-	1	-	3	
15	Pile Driver Clamps	9	1	2	-	2	2	16	
16	Pile Driver	0	4	2	1	-	-	7	
17	Belt Conveyor	6	-	-	-	1	1	8	
18	CC Block Manufacturing Machine	5	-	-	-	-	-	5	
19	Concrete Transportation Pump	1	2	-	-	-	1	4	
20	Concrete Mixing Plant	0	1	1	-	-	2	4	
21	Concrete Mixer	4	9	9	4	12	13	51	
22	Steel Bar Bending Machine	1	1	1	-	1	1	5	
23	Steel Bar Cutting Machine	1	1	1	-	1	1	5	
24	Boat	3	-	1	-	1	-	5	
25	Tugboat	3	-	-	-	-	-	3	
26	Barge	3	-	-	-	-	-	3	
27	Motorcycle	2	4	1	2	3	4	16	
28	Generator	13	9	11	3	5	9	50	
29	Air Compressor	5	1	1	1	2	2	12	
30	Level Machine	1	2	2	1	1	1	8	
31	GPS	3	3	1	2	1	2	12	
32	Total Station	1	0	-	-	-	-	1	
33	Deep Water Measuring Instrument	48	16	1	-	26	9	100	
34	Submersible Pump	128	3	32	27	25	9	224	
35	Slush Pump	24	3	6	-	17	11	61	
36	Fresh Water Pump	30	3	7	21	2	47	110	
37	Self-Priming Pump	11	-	-	0	-	-	11	
38	Single-Cylinder Diesel Engine Pump	4	5	10	4	8	2	33	
39	Business Car	4	1	1	-	-	1	7	
	<b>Total:</b>	<b>418</b>	<b>100</b>	<b>125</b>	<b>74</b>	<b>128</b>	<b>165</b>	<b>1,007</b>	



Figure 3-62: CC Blocks dumping for slope protection work (KM51+041-53+418) in Polder 39/2C



Figure 3-63: Manufactured CC Blocks piled at the permanent storing yard #A2 in Polder 39/2C



Figure 3-64: Completed section of slope protection work (KM51+041-53+418) in Polder 39/2C



Figure 3-65: Placing of CC block for DS-03 in Polder 40/2



Figure 3-66: Form work for end sill of DS-05 in Polder 40/2



Figure 3-67: CC Blocks manufacturing at yard #2 (KM13+000) in Polder 41/1





Figure 3-68: Excavation / Re-sectioning for drainage channel of DS-04 (KM0+000-0+260) in Polder 41/1



Figure 3-69: Earth Work for Embankment KM1+000 to Km2+000 in Polder 43 /2C



Figure 3-70: Earth work for embankment KM0+900-1+300 in Polder 43/2C



Figure 3-71: Excavation / Re-sectioning for drainage channel of DS-07 (KM0+000-2+440) in Polder 43/2C



Figure 3-72: Completed Section Drainage Channel for DS-07 in Polder 43/2C



Figure 3-73: Excavation / Re-sectioning for drainage channel of DS-03 in Polder 47/2





Figure 3-74: CC Blocks placing for loose apron (C/S) & slope of DS-01 in Polder 47/2



Figure 3-75: CC Blocks manufacturing at yard #1 (KM7+000) in Polder 47/2



Figure 3-76: Discuss with EPs in chainage km 44+000 to km 44+500



Figure 3-77: Back filling for DS-01 in Polder 48



Figure 3-78: Earth work for embankment KM16+134-17+000 in Polder 48



Figure 3-79: Synthetic bags placing for emergency slope protection work 31+280-31+408 in Polder 48

### 3.5.5 Plans for execution of works

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

#### Program for July' 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 and placing of blocks in loose apron of DS-12 with gates;
- To complete the block placing work of DS-7 with gates;
- CC Blocks dumping: 300,000 nos;

##### **Polder-40/2:**

- To complete railing of FS-4/1 and installation of gates;
- To manufacture CC Block;
- To complete railing of DS-2, DS-3, DS-4/5, FS-9 & FS-10 and installation of gates;

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

- To manufacture CC Block;
- To complete railing of DS-1, DS-5, DS-6, DS-7, DS-8, DS-9, FS-1, FS-3, FS-08, FS-09, FS-15 and installation of gates;

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

- To progress the re-sectioning work of embankment from km 0.900 to km 4.028;
- To progress the construction work of FS-1 (A);
- To complete railing and installation of gates of DS-7;
- To complete the re-excavation of Taltoli khal of DS-7;
- To start the manufacturing of CC blocks;

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

- To complete railing of DS-1, DS-2, DS-3, DS-4, FS-1, FS-6, FS-7 and installation of gates;
- To cast CC Block;

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

- To complete railing DS-1, DS-3/2, DS-3/4, FS-1 FS-3 & FS-4 and installation of gates;
- To manufacture CC Block;
- To progress the re-sectioning work of embankment from Km 16.000 to Km 17.50;
- To complete the Slope Protection work of sea dyke;

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

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

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

**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 millions):** 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.

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:

1. (Km 31.060 to km 31.220; km 31.280 to km 31.408; km 34.305 to km 34.525): Sea dyke slope protection work by Geo-bag, Gunny bag, Bullah, Bamboo etc has been completed.
2. Emergency work from km 31.060 to km 31.220 and km 31.280 to km 31.408 has been started from 9<sup>th</sup> April, 2019 and the work is completed.





Figure 3-80: Emergency Work of Polder-48

Table 3-75: Summary of Emergency works under the head of “Environmental Mitigation Works”

Sl. No.	Name of Polder	Total Length	Total Cost Estimate (BDT)
01	Polder-39/2C	0.177	1,666,992
02	Polder-40/2	0.35	2,795,174
03	Polder-41/1	0.05	560,126
04	Polder-43/2C	0.00	0.00
05	Polder-47/2	0	6,872,990
06	Polder-48	0	0
<b>Total =</b>		<b>0.577</b>	<b>11,895,283</b>

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

Table 3-76: 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	0.668	14,774,178.63
<b>Total =</b>		<b>0.989</b>	<b>17,510,642.23</b>

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

Table 3-77: Detailed of Emergency Works under the head of "Provisional Sum"

Sl. No.	Polder No.	Chainage		Length (Km)	Name of location	Engineer Approved Date	Estimated Cost in BDT	Remarks	Year
		From	To						
1	Polder-39/2C	54.195	54.372	0.177	Nadmulla	16-May-18	1,666,992.00	Environmental Mitigation Work (Specified Provisional Sum)	FY 2017-18
2	Polder-40/2	12.920	12.989	0.069	Tafalbaria Pathorghata	14-Nov-17	2,795,174.46	Do	FY 2017-18
3	Polder-40/2	13.215	13.411	0.196	Amount 2795174.46	14-Nov-17		Do	FY 2017-18
4	Polder-40/2	13.992	14.077	0.085	Amount 2795174.46	14-Nov-17		Do	FY 2017-18
5	Polder-41/1	5.139	5.189	0.050	Burir Char Barguna	22-Aug-17	560,125.89	Do	FY 2017-18
6	Polder-47/2	6.168	6.618	0.450	Kalapara	2-Oct-17	1,454,046.70	Do	FY 2017-18
7	Polder-47/2	6.635	6.660	0.025	Kalapara		154,515.16	Do	FY 2017-18
8	Polder-47/2	6.453	6.478	0.025	Kalapara	15-Jul-18	168,575.92	Do	FY 2017-18
9	Polder-47/2	31.28	31.408	0.128			1,418,282.41	Do	FY 2017-18
10	Polder-47/2	34.305	34.525	0.220			3,677,570.07	Do	FY 2017-18
<b>Total</b>				<b>1.425</b>			<b>11,895,282.61</b>		

Table 3-78: Detailed of Emergency Works under the head of "Physical & Price Contingency"

Sl. No.	Polder No.	Chainage From	Chainage To	Length (Km)	Name of location	Engineer Approved Date	Estimated Cost in BDT	Remarks	Year
1	Polder-39/2C	0.275	0.440	0.165	Bhandaria, Bamuner Khal	24-Mar-18	1,677,973.00	Physical and Price Contingency	FY 2017-18
2	Polder-47/2	6.300	6.375	0.075	Kalapara	01-Aug-18	555,379.53	Physical and Price Contingency	FY 2017-18
3	Polder-47/2	6.550	6.592	0.042	Kalapara	01-Aug-18	290,209.45	Physical and Price Contingency	FY 2017-18
4	Polder-47/2	6.670	6.692	0.022	Kalapara	01-Aug-18	109,704.67	Physical and Price Contingency	FY 2017-18
5	Polder-47/2	6.710	6.727	0.017	Kalapara	01-Aug-18	103,196.95	Physical and Price Contingency	FY 2017-18
6	Polder-48	31.060	31.220	0.160	Kuakata	08-Apr-19	2,414,561.67	Physical and Price Contingency	FY 2017-18
7	Polder-48	31.280	31.408	0.128	Kuakata	08-Jun-19	1,840,849.69 (Revised)	Physical and Price Contingency	FY 2018-19
8	Polder-48	34.305	34.525	0.220	Kuakata	08-Jun-19	8,104,205.60 (Revised)	Physical and Price Contingency	FY 2018-19
9	Polder-48	31.060	31.220	0.160	Kuakata	08-Apr-19	2,414,561.67	Physical and Price Contingency	FY 2018-19
<b>Total</b>				<b>0.989</b>			<b>17,510,642.23</b>		

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

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

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

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

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

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

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

**IPC-7** has been submitted to the Engineer on 28 April 2019 and the IPC was sent by the Engineer to the Employer on 05 May 2019 with recommendation for payment.

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

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

The Contractor has proceeded with procurement of goods and services to create the team, physical equipment and tools to start the work.

### 3.5.9 Contract Modifications

The block sizes 60cmx60cmx60cm & 60cmx60cmx40cm have been incorporated in the approved design for the slope protection work of Polder-48. But the provision of these sizes of blocks were not in the Contract BOQ. Hence the Contractor submitted a Variation Order for these new sizes of blocks and the Variation Order was reviewed by the Consultants and a Draft Variation Order was submitted to the PMU. The Project Director has given some observations on the Draft Variation Order. After consultation with the PMU the Variation Order No.1 has been finalized and submitted to PMU on 20 June 2019.

### 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 June 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\$ 2.08 Million and US\$ 5.46 Million for Package-1 & Package-2 respectively considering extension of time up to June 2020 for Package-1 and completion time January 2021 of Package-2.

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 June 2019. The next IPCs are, however, expected by October 2019 for both the packages.

#### Monthly Forecast of Payment of Package-W-02:

Table 3-79: 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 was reviewed

IPC No.	Month of Submission	Forecast Value of IPC	Remark
			by the Engineer and submitted to the Employer on 05 May 2019 with recommendation for payment.
No.08	Apr. 2019	237,000,000.00	IPC No. 08 was submitted by the Contractor with the value of BDT: 642,393,657.07 which was reviewed by the Engineer and submitted to the Employer on 27 June, 2019 with recommendation for payment.
No.09	May 2019	244,900,000.00	IPC No. 09 was submitted by the Contractor with the value of BDT: 302,801,457.58 which was reviewed by the Engineer and submitted to the Employer on 30 June, 2019 with recommendation for payment.
No.10	Jun. 2019	244,900,000.00	
<b>Total</b>		<b>2,379,664,708.63</b>	

### 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 under process of submission 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 3-80: Overview of Staffing (including Proposed Replacements)

Description of Staffs	Position	Original Staff	Current Staff	Remarks
<b>A. International Key Staff</b>	Team Leader	Jean Henry Laboyrie	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	
<b>B. International Non-Key Staff</b>	Quantity Surveyor - 2	Andrew Cook	Andrew Cook	
	Sociologist/Resettlement Specialist	Roy Timmer	Dr. Salim Zaman	
	Geo-Technical Engineer	Joost van der Schrier	Joost van der Schrier	
	Estuary and River Morphology Modeler	Bo Brahtz Christensen	Bo Brahtz Christensen	
<b>A. National Key Staff</b>	River and Coastal Expert	Ranjit Galappatti	Ranjit Galappatti	
	Deputy Team Leader	Md. Habibur Rahman	Md. Habibur Rahman	
	Deputy Resident Engineer - 1	Mazibur Rahman Khan	Mr. A.K.M. Sayeed Uddin	
	Deputy Resident Engineer - 2	Md. Gulzer Hossain	Mr. Mohammad Ali	
	Re-settlement Specialist/Sociologist	Kh. Khairul Matin	Md. Zainal Abedin	
	Design Engineer	Md. Anwar Hossain Bhuiyan	Md. Anwar Hossain Bhuiyan	
	Geo-Technical Engineer	Md. Nurul Islam	Md. Nurul Islam	

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

Description of Staffs	Position	Original Staff	Current Staff	Remarks
<b>A. National Non-Key Staff</b>	Design Engineer	Mr. Mahbubur Rahman	Mr. Mahbubur Rahman	
	Environmentalist	Sheikh Muhammad Abdur Rashid	Sheikh Muhammad Abdur Rashid	
	Sociologist/Resettlement Specialist	Md. Ferdous Rahman	Md. Ferdous Rahman	
	Geographical Information System Expert	Md. Monirul Haque	Md. Monirul Haque	
	Procurement Specialist	Md. Humayun Kabir	Md. Aminur Rahman	
	Senior Estimator - 1	Md. Ansar Ali Mia	Md. Ansar Ali Mia	
	Senior Estimator - 2	Md. Nazrul Islam	Md. Nazrul Islam	
	Survey Engineer - 1	Pankaj Kumar Moitra	Pankaj Kumar Moitra	
	Survey Engineer - 2	Md. Amirul Islam	Md. Amirul Islam	
	Survey Engineer - 3	ABM Anwar Haidar	Abu Taiub Mia	
	Junior Design Engineer - 1	Ms. Selina Akhter	Ms. Selina Akhter	
	Junior Design Engineer - 2	Ms. Shaikh Naureen Laila	Ms. Selina Akhter	N/A
	Auto CAD Specialist - 1	Ms. Marjan Mallik	Md. Asadujjaman	
	Auto CAD Specialist - 2	Biprojit Paul	Ms. Nahid Farjana	
	River and Coastal Expert	Md.Zahirul Haque Khan	Md.Zahirul Haque Khan	
	Construction Supervision Engineer - 1	Md. Mukhlesur Rahman	S.M. Saiful Islam	
	Construction Supervision Engineer - 2	Shyamal Kumar Dutta	Shyamal Kumar Dutta	
	Construction Supervision Engineer - 3	SK Golam Quader	Md. Mainul Islam	N/A
	Construction Supervision Engineer - 4	Abdul Jalil	AKM Mazibur Rahman	
	Quality Control Specialist - 1	Md. Abdur Razzaque Khan	Md. Delowar Hossain	
	Quality Control Specialist - 2	Md. Sekendar Ali	Md. Rafiqul Alam	
	Procurement / Contract Management Specialist	Md. Tafazzal Ali	Md. Aminur Rahman	
	Environmental Specialist	Dr. Quazi Alamgir Kabir	Abu Bakr Siddique	
	Resettlement Specialist/Sociologist	Md. Mustafizur Rahman	Md. Mustafizur Rahman	N/A
	Land Acquisition Officer	Benu Gopal Dey	Kh. Mahabub Alam	
	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		
<b>A. Others Staffs</b>	Field Engineer	Md. Hasibur Rahman	Md. Hasibur Rahman	
	Field Engineer	Md. Lakidul Islam	Md. Lakidul Islam	
	Field Engineer	Md. Samsul Alam -1	Md. Samsul Alam -1	
	Field Engineer	Md. Jamal Uddin	Md. Jamal Uddin	
	Field Engineer	Md. Sazzad Hossain	Md. Sazzad Hossain	
	Field Engineer	Tajuddin Ahmed	Tajuddin Ahmed	
	Field Engineer	S.M. Noor-A-Alom	S.M. Noor-A-Alom	
	Field Engineer	Khandaker Shamim Ahmed	Khandaker Shamim Ahmed	
	Field Engineer	Shakil Ahmed	Shakil Ahmed	
	Field Engineer	Md. Monirul Islam	Md. Monirul Islam	
	Field Engineer	Md. Shohel Rana	Md. Shohel Rana	
	Field Engineer	Md. Abdulla Al Mamun	Md. Abdulla Al Mamun	
	Field Engineer	Md. Mizanur Rahman	Md. Mizanur Rahman	
	Field Engineer	Joy Prokash Mondal	Joy Prokash Mondal	
	Field Engineer	Md. Mahadi Hasan	Md. Mahadi Hasan	
	Field Engineer	Md. Rakibul Islam Nahid	Md. Rakibul Islam Nahid	
	Field Engineer	Md. Rakibul Islam	Md. Rakibul Islam	
	Field Engineer	Shahidul Islam-1	Shahidul Islam-1	
	Field Engineer	Md. Lutfor Rahman	Md. Lutfor Rahman	
	Field Engineer	Md. Sumon Mia	Md. Sumon Mia	

Description of Staffs	Position	Original Staff	Current Staff	Remarks
	Field Engineer	Sufia Parvin	Sufia Parvin	
	Field Engineer	Zulfigure Azeez	Zulfigure Azeez	
	Field Engineer	Shahidul Islam-2	Shahidul Islam-2	
	Field Engineer	Kamrul Hasan	Kamrul Hasan	
	Field Engineer	Md. Badarudduza	Md. Badarudduza	
	Office Manager	Md. Shahadat Hossain	Md. Shahadat Hossain	
	Office Manager (Khulna)	Jakir Hossen	Jakir Hossen	
	Office Manager (Patuakhali)	Mehede Hasan	Mehede Hasan	
	Accounts Officer	Md. Fazlul Karim Khan	Md. Fazlul Karim Khan	
	Office Secretary	Mahmuda Islam	Mahmuda Islam	
	Lab Technician	Md. Aminur Rahman	Md. Aminur Rahman	
	Lab Technician	Md. Kuddus Molla	Md. Kuddus Molla	
	Lab Technician	Lokshon Chandra Biswas	Md. Tuhin Miah	
	Computer Operator	Md. Abdulla Al Mamun	Md. Abdulla Al Mamun	
	Computer Operator	Md. Delowar Hossain	Md. Delowar Hossain	
	Computer Operator (Khulna)	Hosnewara Khatun	Hosnewara Khatun	
	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 3-81: Tentative information on financial of payment for DDCS & PMS Consultants

Invoice No.	Invoice Month	Submission Month	Value of Invoice (BDT)	Remarks
<b>Local Currency</b>				
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	
<b>Total</b>			<b>105,605,743.00</b>	
<b>Foreign Currency</b>				
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	
<b>Total</b>			<b>800,136.00</b>	

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

Table 3-82: Overview of Consultants Invoices since Project Inception

SI No. of Invoices	Payment in EURO			Payment in BDT		
	Amount invoiced	Date submitted	Date paid	Amount invoiced	Date submitted	Date paid
Advance Payment	481,134.90	30-Dec-14	1-Apr-15	59,249,809.60	30-Dec-14	1-Apr-15
Invoice No 1	50,908.14	25-May-15	11-Jun-15	1,119,426.94	15-June-15	16-Jun-15
Invoice No 2	129,241.61	25-May-15	11-Jun-15	5,952,195.13	17-June-15	16-Jun-15
Invoice No 3 (Part)	60,000.00	21-June-15	22-Jun-15	7,967,524.20	30-Jun-15	30-Jun-15
Invoice No 3 (Part)	70,282.49	0.00	06-Oct-15	33,150,070.88	30-Jun-15	27-Sep-15
Invoice No 4	206,972.03	27-Sep-15	02-Dec-15	14,332,732.78	27-Sep-15	29-Nov-15
Invoice No 5	169,555.53	15-Nov-15	10-Dec-15	25,991,948.77	30-Nov-15	10-Jan-16
Invoice No 6	74,062.24	17-Jan-16	04-Feb-16	14,590,698.64	03-Jan-16	27-Jun-16
Invoice No 7	201,749.51	01-June-16	30-Jun-16	15,016,503.44	19-June-16	30-Jun-16
Invoice No 8	140,967.65	01-June-16	30-Jun-16	692,718.66	19-June-16	30-Jun-16
	0.00			36,351,389.86	19-June-16	10-Nov-16 (Partly Paid)
Invoice No 9	153,881.30	30-June-16	30-Jun-16	19,138,626.07	27-Nov-16	02-Mar-17
Invoice No 10	243,824.28 <sup>4</sup>	23-Oct-16	09-Nov-16	15,095,311.81	27-Nov-16	02-Mar-17
Invoice No 11	224,255.11	06-Nov-16	1-Jun-17	15,623,144.38	07-Dec-16	18-May-17
Invoice No 12	211,748.62	15-Jan-17	1-Jun-17	51,335,041.98	15-Jan-17	18-May-17
Invoice No 13	149,954.66	10-Apr-17	1-Jun-17	25,796,446.77	16-Mar-17	18-May-17
Invoice No 14	51,073.50	3-May-17	18-Jun-17	9,847,754.23	1-Jun-17	29-Jun-17
Invoice No 15	359,744.20	16-Oct-17	10-Dec-17	18,863,496.23	29-Jun-17	29-Jun-17 (Partly Payment)
	0.00	16-Oct-17	10-Dec-17	3,123,876.54	10-Dec-17	10-Dec-17 (Partly Payment)
Invoice No. 16	82,732.65	26-Oct-17	10-Dec-17	28,318,643.89	10-Dec-17	29-Jan-18
Invoice No. 17	129,562.33	22-Nov-17	03-Dec-17	1,597,5427.00	10-Dec-17	29-Jan-18
Invoice No. 18	216,541.94	25-Feb-18	30-Apr-18	18284749.64	19-Apr-18	30-Apr-18
Invoice No. 19	126,541.94	15-Apr-18	30-Apr-18	25067376.46	19-Apr-18	30-Apr-18
Invoice No. 20	90,204.56	4-Jun-18	9-Jun-18	36,031,005.53	27-May-18	9-Jun-18
Invoice No. 21	85,705.24	21-June-18	30-June-18	18,677,806.77	30-June-18	30-June-18
Invoice No. 22	135,163.94	10-Sep-18	23-Dec-18	20,437,707.45	10-Oct-18	09-Dec-18
Invoice No. 23	122,330.66	01-Jan-19	30-Mar-19	127,219,58.17	20-Dec-18	
Invoice No. 24	94,865.43	01-Jan-19		12,123,246.79	11-Feb-19	25-Mar-19
Invoice No. 25	101,908.93	14-Mar-19		28,104,552.17	21-May-19	30-May-19
Invoice No. 26	102,016.32	26-Jun-19	27-Jun-19	14,008,004.31	27-Jun-19	27-Jun-19
Invoice No. 27	88,698.49	30-Jun-19		14,240,648.43	30-Jun-19	
<b>Total Amount Invoiced =</b>	<b>2,373,048.52</b>			<b>604,635,162.52</b>		

<sup>4</sup> 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 30 June 19	Status on June 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	4,635,152	1,448,823,605.00	1,142,538,249	606,106,733	496,262,140	78.86%	17.317%	17.317%	78.86%
BoQ No. 3	Drainage Channel Excavation/ Re-excavation	km	2.18%			km	151.21	114.77	144,057,665.00	109,341,302	19,989,185	81,576,154	75.90%	1.657%	1.657%	75.90%
BoQ No. 4	Drainage Sluice Construction	no	9.89%						668,068,356.80	655,175,252	386,671,306	170,000,000			9.697%	98.03%
				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	613,337,594	615,230,611.12	613,337,594	337,238,340		99.69%	9.063%		
BoQ No. 5	Drainage Sluice Repair	no	0.13%						8,401,731.00	7,845,972	73,582	8,229,140			0.119%	93.39%
				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	6,124,178	6,124,177.68	6,124,178	73,582		100.00%	0.093%		
BoQ No. 6	Flushing Inlet Construction	no	5.70%						378,908,707.59	361,566,945	148,968,874	196,668,139			5.435%	95.41%
				0.25%	Casting Block size 40cm x 40cm x 20cm.	no	56,323	52,561	16,252,564.00	15,167,015	12,708,752		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	335,366,596	344,137,915.59	335,366,596	129,300,470		97.45%	5.038%		
BoQ No. 7	Flushing Inlet Repair	no	1.25%						82,361,662.08	74,572,465	3,450,899	17,724,174			1.130%	90.54%
				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	64,950,354	69,059,387.08	64,950,354	3,450,899		94.05%	0.984%		
BoQ No. 8	Embankment Slope Protection Work	km	21.68%						1,430,472,110.00	1,095,962,324	781,601,631	689,628,687			16.611%	76.62%
				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	1,751,597	634,312,437.71	480,935,959	312,732,484		75.82%	7.289%		
				1.52%	Casting Block size 40cm x 40cm x 30cm.	no	222,844	160,947	100,560,583.44	72,629,051	39,944,633		72.22%	1.101%		
				4.47%	Other Embankment Slope Works	BDT	294,754,345.85	233,515,252	294,754,345.85	233,515,252	28,079,771		79.22%	3.539%		
BoQ No. 9	River Bank Protection Work	km	22.72%						1,498,882,474.37	1,266,297,460	804,432,248	513,208,608			19.193%	84.48%
				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	213,936	77,473,494.91	58,740,437	0		75.82%	0.890%		
				8.27%	Casting Block size 30cm x 30cm x 30cm.	no	2,110,963	1,999,519	545,430,610.37	516,635,710	445,965,689		94.72%	7.831%		
				0.03%	Casting Block size 40cm x 40cm x 30cm.	no	4,800	3,467	2,166,048.00	1,564,410	0		72.22%	0.024%		
				2.13%	Other Bank Protection Works	BDT	140,247,084	124,087,815	140,247,084.22	124,087,815	54,478,580		88.48%	1.881%		
BoQ No. 10	Dismantling Work	km	2.03%			BDT	133,991,406	9,768,199	133,991,406.00	9,768,199	6,224,291	20,000,000	7.29%	0.148%	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	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		0.00%	0.000%		
									6,969,113,205	5,557,172,101	3,456,421,462	2,216,397,041			79.34%	79.34%

## 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 June 19	Status on June 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	460,000	1,757,533,176.00	115,032,540.73	40,297,533.88	101,051,210.35	6.55%	1.13%	1.13%	6.55%
BoQ No. 3	Drainage Channel Excavation/ Re-excavation	1.56%			km	154.63	19.07	191,966,386.45	23,675,506.73	0.00	24,140,343.52	12.33%	0.19%	0.19%	12.33%
BoQ No. 4	Drainage Sluice Construction	15.00%						1,522,573,943.62	482,806,751.58	26,987,594.69	306,955,728.66			4.76%	31.71%
			0.43%	Casting Block size 40cm x 40cm x 20cm.	no	163,168	5,194	43,892,192.00	1,397,129.42			3.18%	0.01%		
			0.47%	Casting Block size 30cm x 30cm x 30cm.	no	197,111	45,018	47,897,973.00	10,939,300.07			22.84%	0.11%		
			14.09%	Other Drainage Sluices Construction Works	BDT	1,430,783,779	470,470,322	1,430,783,778.62	470,470,322.09			32.88%	4.63%		
BoQ No. 5	Drainage Sluice Repair	0.18%				58,400,856		18,234,536.00	1,224,212.63	0.00	18,358,481.30			0.01%	6.71%
			0.03%	Casting Block size 40cm x 40cm x 20cm.	no	12,365	394	3,326,185.00	105,875.57			3.18%	0.00%		
			0.05%	Casting Block size 30cm x 30cm x 30cm.	no	20,000	4,568	4,860,000.00	1,109,963.43			22.84%	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	194,889,041.79	55,870,178.51	151,872,431.19			1.92%	23.33%
			0.31%	Casting Block size 40cm x 40cm x 20cm.	no	116,089	3,695	31,227,941.00	994,014.50			3.18%	0.01%		
			0.22%	Casting Block size 30cm x 30cm x 30cm.	no	93,295	21,307.42	22,670,685.00	5,177,701.90			22.84%	0.05%		
			7.70%	Other Flushing Inlets Construction Works	BDT	781,373,490	188,717,325	781,373,490.36	188,717,325.39			24.15%	1.86%		
BoQ No. 7	Flushing Inlet Repair	0.16%						16,495,126.00	1,535,361.73	0.00	18,078,404.24			0.02%	9.31%
			0.02%	Casting Block size 40cm x 40cm x 20cm.	no	6,390	203	1,718,910.00	54,714.51			3.18%	0.00%		
			0.05%	Casting Block size 30cm x 30cm x 30cm.	no	21,000	4,796	5,103,000.00	1,165,461.60			22.84%	0.01%		
			0.10%	Other Flushing Inlets Repair Works	BDT	9,673,216	315,186	9,673,216.00	315,185.62			3.26%	0.00%		
BoQ No. 8	Embankment Slope Protection Work	10.66%						1,081,902,109.00	13,410,719.58	435,904.00	134,153,121.37			0.13%	1.24%
			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	13,410,719.58	134,510,728.00	13,410,719.58			9.97%	0.13%		
BoQ No. 9	River Bank Protection Work	35.76%						3,630,470,487.00	1,807,783,256.38	443,340,180.00	1,638,590,479.30			19.93%	55.74%
			17.92%	Casting Block size 40cm x 40cm x 40cm.	no	3,271,866	3,155,954	120,632,096.00	116,358,477.36			96.46%	17.28%		
			1.19%	Casting Block size 40cm x 40cm x 30cm.	no	289,981	242,886.00	1,819,157,496.00	1,523,713,234.91			83.76%	1.00%		
			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	167,711,544.11	434,284,630.00	167,711,544.11			38.62%	1.65%		
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	2,717,552,560.91	626,012,865.38	2,416,642,699.92			28.85%	28.85%

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>	
		1185		6	1191	
6.2	Number of laborers by skill	<i>Skilled</i>	<i>Semi-skilled</i>	<i>Unskilled</i>	<i>Total</i>	
		818	278	95	1191	
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>	
		728	367	96	1191	
6.4	Number of laborers by age	<i>18-25</i>		<i>25-50</i>	<i>Above 50</i>	<i>Total</i>
		716		446	29	1191
6.5	Source of labour	<i>Contractor</i>	<i>Subcontractor</i>	<i>Independent</i>	<i>Other</i>	<i>Total</i>
		1191	0	0	0	1191

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 woks site frequently, as per the need basis.
8.3	What documents were inspected by labour officials?	Accident /injury register, salary sheet/record
8.4	What documents were maintained and which ones were not?	Safety training record, accident register, safety guideline document, compliance register, GRM system notice. Nothing missing, if anything required please give us the valuables 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 displayed at worksite / campsite?	Yes

9.8	What is the system of informing next of kin?	For the migrant worker, there is focal person to deal with the issue. The contact numbers of all workers are well documented. For the local worker, the system is same. Bengali senior staff employed by the Chinese contractor.
9.9	What is your familiarity with accident reporting	Chinese Contractor holds regular drills on procedures and protocols to enact in case of

9. ACCIDENTS, EMERGENCIES AND INCIDENTS (Please provide Polder wise description of Facilities)		
	procedures?	accidents
9.10	What is your familiarity with police reporting procedures?	We are well familiar to local police reporting system and we have their contact number and relation. So far, no such incident whereby Police is to be called upon. It is worthy to mention that Contractor site camps are secured by police protection permanently.
9.11	Is there any mechanism to address the work place Sexual Harassment of Women at the project sites?	Yes (sanctions are known to Chinese workers and their bosses). Mechanism is there. We have gender policy. There is complaint system to mitigate sexual harassment. Finally, legal step can be applied where necessary;

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

1. PROJECT DATA		
1.1	Name of Project	Coastal Embankment Improvement Project - Phase I (CEIP-1)
1.2	Contract Package	Package-2
1.3	Date of Commencement	12 <sup>th</sup> July, 2017
1.4	Date of Completion	11 <sup>th</sup> January, 2021
1.5	Location	Polder-39/2C, Polder-40/2, Polder-41/1, Polder-43/2C, Polder-47/2 and Polder-48
1.6	Name and Contact Information (email/phone) of Contractor	Chongqing International Construction Corporation cicobangladesh@gmail.com/+8801917264485
1.7	Name and Contact Information (email/phone) of all sub-Contractors	None
1.8	Type of Works (single site, linear, clustered and construction duration)	<ol style="list-style-type: none"> <li>1. Upgrading via new construction and re-sectioning of embankments with a length of about 208.71km;</li> <li>2. Excavation and re-excavation of drainage channels in the Polders with a total length of about 188km;</li> <li>3. Construction of 50 drainage sluices;</li> <li>4. Repairing of 6 drainage sluices;</li> <li>5. Construction of 71 flushing sluices;</li> <li>6. Repairing of 8 flushing sluices;</li> <li>7. Construction of embankment slope protection works with a total length of some 9.48km;</li> <li>8. Construction of river bank protection works with a total length of 4.92 km;</li> <li>9. Construction of 8 Khal Closing Closures with varying widths between 35m to 60m;</li> <li>10. Dismantling of 36 drainage sluices, 70 flushing sluices and road pavement for about 50 km;</li> <li>11. Construction of RCC Flood wall with a length of about 17km;</li> <li>12. Construction of Road Pavement with a length of about 51km.</li> </ol> <p>Construction duration: 42 months</p>

2. INITIAL SCREENING LABOR INFLUX REQUIREMENTS AND IMPLICATIONS		
2.1	Will the project potentially involve an influx of migrant workers? If yes, are there also foreign laborers mobilized on site?	Yes, scattering all over the construction sites. There are no foreign labours mobilized onsite.

2.2	Is the influx of non-local workforce significant for the local community?	Yes, these benefits are typically related to economic opportunities through employment and/or training by the project, or through selling goods and services. Other benefits include the provision of local infrastructure (e.g., access roads, power or water connection) which is developed for the project and which serves the community beyond the project duration.
2.3	What are the opportunities for local laborers?	It will bring more employment opportunities to the local labours. It will improve the education status because of workers' training.
2.4	Frequency of outsider's visit	Normal
2.5	Environmental sensitivity of the project site	Fuel supply for cooking and heating, fuel storage area, by-pass road construction, sanitation, water supply and construction work.
2.6	Community experience with similar projects?	Embankment construction, Bridge construction and road pavement construction

### 3. SOCIO-ECONOMIC CONSIDERATIONS

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

### 4. LOCAL COMMUNITY (Please provide Polder wise description of Facilities)

4.1	Size of Local Population	Polder-39/2C: 84853, Polder-40/2: 41317, Polder 41/1: 41051, Polder-43/2C: 14851, Polder-47/2: 5411, Polder-48: 26260		
4.2	Working age population and capacity (education, skills, experience)	No information		
4.3	Working age population capacity	<i>Education</i>	<i>Skill</i>	<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	<i>Male</i>		<i>Female</i>		<i>Total</i>				
		1644		10			1654			
6.2	Number of laborers by skill	<i>Skilled</i>		<i>Semi-skilled</i>		<i>Unskilled</i>		<i>Total</i>		
		339		510		795			1654	
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>		
		983		661		0			1654	
6.4	Number of laborers by age	<i>18-25</i>			<i>25-50</i>		<i>Above 50</i>		<i>Total</i>	
		754			886		4			1654
6.5	Source of labour	<i>Contractor</i>		<i>Subcontractor</i>		<i>Independent</i>		<i>Other</i>		<i>Total</i>
		1644		0		0		0		

7. FACILITIES (Please provide Polder wise description of Facilities)					
7.1	Details of labour camps	<i>Number</i>	<i>Permanent/Temp.</i>	<i>Location</i>	<i>Distance from nearest village/habitation</i>
		5	<i>Temporary</i>	Near the project site	Within 1 km
7.2	Type of housing in labour camp on leased land (temporary shelters / kuchha /pukka)	Temporary shelter			
7.3	Is there any housing on public land like roadsides, open fields and other spaces?	Yes, there are housings on open field.			

7.4	Is there any housing in rented accommodation in residential areas? If so, who is it rented by?	Yes, it is rented by the Chinese Contractor as temporary shelter.
7.5	How many laborers have families on/near worksite?	No information
7.6	Likelihood of family members accompanying (visiting)	Not allowed
7.7	Is drinking water available on site and at the campsite?	Yes
7.8	Are latrines and urinals provided on site and at the campsite?	Yes
7.9	Are First Aid facilities provided on site?	Yes
7.10	Does a doctor visit the worksite / campsite regularly?	No, sometimes.
7.11	Is there a tie-up with a hospital or dispensary near the worksite / campsite	Yes
7.12	Is there a facility for cooking / canteen facility for all labour?	No
7.13	Are leisure activities / facilities available for all labour	Yes
7.14	Is transport to and from the worksite provided to labour?	Yes, for migrant labourer but no provision for unskilled local labourer.

#### 8. SUPERVISION BY LABOR OFFICIALS

8.1	Has the worksite / campsite been inspected by a labour official?	No
8.2	How many times has the worksite / campsite been inspected by a labour official since commencement of work?	None
8.3	What documents were inspected by labour officials?	None
8.4	What documents were maintained and which ones were not?	None
8.5	What directions were given by labour officials?	None
8.6	What is the mode of compliance with such directions?	None

8.7	Are you facing any legal proceedings on labour issues in Labour Court/ Other?	No
<b>9. ACCIDENTS, EMERGENCIES AND INCIDENTS (Please provide Polder wise description of Facilities)</b>		
9.1	What is the nature of accidents / emergencies usually occurring at a worksite like yours?	Drowning
9.2	Is a functioning First Aid available at the campsite / worksite?	Yes
9.3	Is functioning fire-fighting equipment available at the campsite / worksite?	Yes
9.4	Which is the nearest doctor / clinic / dispensary?	Polder-39/2C: Digital X-ray Clinic, 5 minutes by car away from the campsite, 01717-997-914, Kamrunnasar. Polder-41/1: DR. Abudus salam M.B.B.S Ex-medical officer of Barguna general hospital, clinic-sharif x-ray clinic, Dispensary mouir medical hall. Polder-47/2: 1 km from our working site to the nearest dispensary Polder-48: 100 m from our temporary camps to the nearest dispensary but the doctor and clinic are 1 km away.
9.5	Which is the nearest hospital?	Polder-39/2C: Upazila Health Complex, 5 minutes by car away from the campsite, 01735-950-462, Fakrel Islam. Polder-41/1: Barguna sader hospital Polder-47/2: 10 km from our working site to the nearest hospital. Polder-48: the nearest hospital is 3 km towards the seaside.
9.6	Which is the nearest Police Station?	Polder-39/2C: Bandarie Police staion, 5 minutes by car away from the campsite, 01713-374-337, Kamruzzaman. Polder-41/1: Barguna sader police station. Polder-47/2: 8 km from our working site to the nearest police station. Polder-48: the nearest police station is 3 km approximately around the third bridge.
9.7	Are details of nearest doctor / clinic / dispensary / hospital / Police station available and prominently displayed at worksite / campsite?	Polder-39/2C: Yes, such information shall be printed on paper and displayed at the site office. Polder-41/1: DR. Abudus salam M.B.B.S Ex-medical officer of Barguna general hospital, clinic-sharif x-ray clinic, Disppensary mouir medical hall, Barguna sader hospital, Barguna sader police station, above mentioned details information is true and they are able to respond within short period and mentioned location is very nearest to our worksite. Polder-47/2: Yes. such information shall be printed on paper and displayed at the site office. Polder-48: Yes, such information shall be printed on paper and displayed at the site office.

9.8	What is the system of informing next of kin?	A phone number chat including all the Chinese people has been distributed to all working site/ campsite, anything happening at site will be reported immediately to the person who is in charge of corresponding issue.
9.9	What is your familiarity with accident reporting procedures?	For any accident happened at site, the foreman shall report to the site office and site manager immediately, and site office shall write on the accident log book for records. Then site office shall report to the corresponded local government office.
9.10	What is your familiarity with police reporting procedures?	So far, no such incident whereby Police is to be called upon. The Contractor camps are secured by police.
9.11	Is there any mechanism to address the work place Sexual Harassment of Women at the project sites?	No, because all male workers at the project sites and no female workers.

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

### Results Framework and Monitoring

Project Development Objectives															
Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values								Data Source/		Responsible for	Remarks
				YR1 14/15	YR2 15/16	YR3 16/17	YR4 17/18	YR5 18/19	YR6 19/20	YR7 20/21	End Target	Frequency	Meth.	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	164.98							35.687 km are in progress
Drainage structures replaced and upgraded		No.	-	-	3	23	59	89	113	129	129	Annual	BWDB	M&E	
<i>Achievement</i>				-	0		20	34							23 nos. are in progress
Regulators upgraded		No.	-	-	4	28	73	106	123	134	134	Annual	BWDB	M&E	
<i>Achievement</i>				-	0	0									
Flushing inlets upgraded		No.	0	-	9	52	127	178	214	244	244	Annual	BWDB	M&E	
<i>Achievement</i>				-	0		15	23							21 nos. are in progress.
Length of Drainage Channels upgraded		Km	0	-	27	157	381	540	681	794	794	Annual	BWDB	M&E	
<i>Achievement</i>				-	0	11	28.80	134.84							
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	<b>X</b>	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	<b>X</b>	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 June 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 June 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.	