



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



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

**Progress Report No. 45
Month of January 2019**

Table of Contents

Table of Contents.....	i
List of Tables	iv
List of Figures	vi
Abbreviations and Acronyms	1
1. Executive Summary	4
1.1 General.....	4
1.2 Implementation of works under Contracts for Package-1 and Package-2.....	4
1.2.1 Package-1 implementation	4
1.2.2 Package-2 implementation	5
1.3 Key challenges and risks and recommendations	6
1.3.1 Key challenges and risks	6
1.3.2 Recommendations	6
1.4 Action Log	7
1.5 DDCS&PMS Contractual Tasks.....	8
2. Summary of Key Achievements during the reporting month.....	9
2.1 Package-1	9
2.2 Package-2	11
2.3 Package-3	13
1.6 DDCS&PMS Consultancy Services.....	13
3. Project Progress	14
3.1 Task A: Update Design, Bid Documents, RAP, EIAs, etc. for Package-1 Polders	14
3.1.1 Design	14
3.1.2 Bid Documents.....	14
3.1.3 RAP Implementation Package-1	14
3.1.4 Status of Physical and Commercial Displacement/Relocation (Non-titled)	17
3.1.7 The substantial progress in relocation of the Titled Affected households compensated under law (CUL) in package-1	18
3.1.8 Grievance Redress Mechanism (GRM)	21
3.1.9 Consultation and Participation (Citizen Engagement)	23
3.1.10 Status of Land Acquisition of Package-1	24
3.1.11 Land Acquisition for Package-2.....	25
3.1.12 Updating of RAP for Package-2.....	26
3.1.13 Preparatory Activities.....	26
3.1.14 Implementation RAP for Package-2.....	27

3.1.15	Payment & Resettlement Benefits for Package-2	28
3.1.16	Relocation Status of Package-2 after compensation payment of First Indent.	29
3.1.17	Status of Physical and Commercial Displacement/Relocation (Non-titled)	29
3.1.20	Grievance Redress Mechanism (GRM)	30
3.1.21	Focus Group Discussion for Package-2	31
3.1.22	Distribution of Information Brochure and GRM Leaflet of Package-2.....	32
3.1.23	Database Preparation of Package-2	32
3.1.24	Formation of PAVC & GRC Committee Package-2.....	32
3.1.25	Video Filming of Affected Properties for GRC and PRAC	32
3.1.26	Devised ID number of the Non-Titled EPs	33
3.1.27	Preparation of EIA	33
3.2	Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package- 2 Polders	33
3.2.1	Data processing & reviewing the shop drawings	33
3.2.2	Design status.....	33
3.3	Task B: Prepare Design, Bid Documents, EIAs, RAP, etc. for Package-3 Polders	34
3.3.1	Design	34
3.3.2	Bidding Document	34
3.3.3	RAP Preparation for Package-3.....	34
3.3.4	LAP Preparation for Package-3	35
3.4	Task C: Supervise Construction & Administer Contract of Package-1.....	35
3.4.1	Introduction.....	35
3.4.2	Staffing	36
3.4.3	Equipment Mobilization	36
3.4.4	Finances of Contractor Package-1.....	37
3.4.5	S-Curve of Package-1	38
3.4.6	Physical Progress (Mile Stone Matrix).....	39
3.4.7	Emergency Works in Package-CEIP-1/W-01.....	48
3.4.8	Improvement of EHS Compliance	59
3.4.9	Holding Environmental Meetings.....	60
3.4.10	Review of the Environmental Reports/Documents of Package-3	60
3.4.11	Review of EIA Reports of Package-3	60
3.4.12	Information on number of workers, number of training etc.....	60
3.4.13	Noise Measurement of Automatic CC Plant	61
3.4.14	Information of EHS related Issues of Package-2.....	63

3.4.15	Polder-wise Information and noise measurement data of Polders of Package-2	64
3.4.16	Progress of Mechanical Work.....	66
3.4.17	Introduction.....	67
3.4.18	Physical Progress (Mile Stone Matrix).....	67
3.4.19	Advance Payments	73
3.4.20	Equipment mobilization	73
3.4.21	Plans for execution of works	77
3.4.22	Updated Physical Site activities of the contractor.....	78
3.4.23	Construction of Regional of Building at Patuakhali and others building at Kalapara and Pathorghata	79
3.4.24	Emergency works in Polder-40/2, 41/1, 47/2 & 48:	79
3.4.25	Finance (Invoices) Contractor Package-2.....	83
3.4.26	Contract Modifications.....	83
3.4.27	S-Curve of Package-2	83
3.4.28	RAP implementation	85
3.4.29	LAP implementation.....	85
3.4.30	Progress on Purchase of vehicles.....	85
3.5	Task D: Project Management Support Services	85
3.5.1	Financial Projection.....	85
3.5.2	Modification of Consultancy Contract	86
3.5.3	Support to PMU.....	86
3.6	Consultant Inputs.....	86
3.6.1	Staffing and staff changes approved or in process during the month	86
3.6.2	Monthly Forecast of Payment for Consultancy Services:	88
3.6.3	Finance (Invoices) RHDHV/DDCS&PMS Consultants.....	89
	Annex 1: Updated Physical Site Works: Package-1 & 2.....	90
	Annex 3: Labour Influx Report.....	92
	Annex 3: Key Performance Indicators and Targets per PAD/DPP	104

List of Tables

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

Table 3-40: Details of Emergency Works under the head of “Environmental Mitigation Works” ...	49
Table 3-41: Detailed of Emergency Works under the head of “Physical & Price Contingencies” ...	52
Table 3-42: Information for the month of January, 2019	60
Table 3-43: Noise level of functional Rupsha CC Block Manufacturing Plant area, Polder 32	61
Table 3-44: Noise level of functional Pankhali CC Block Manufacturing Plant-1 area, Polder 32...	61
Table 3-45: Noise level of functional Pankhali CC Block Manufacturing Plant-2 area, Polder 32...	62
Table 3-46: Noise level of functional Tafalbari Automatic CC Block Manufacturing Plant, Polder 35/1	62
Table 3-47: Noise level of Daratana Automatic CC Block Manufacturing Plant.....	62
Table 3-48: Information for the month of January 2019, Package-2.....	63
Table 3-49: Noise records for Polder 39/2C, January 2019.....	64
Table 3-50: Noise records for Polder 40/2, January 2019.....	64
Table 3-51: Noise records for Polder 41/1, January 2019.....	65
Table 3-52: Noise records for Polder 47/2, January 2019.....	65
Table 3-53: Noise records for Polder 48, January 2019.....	66
Table 3-54: Physical Works of Package-2 as on 31 January 2018.....	67
Table 3-55: Detailed Information of Construction Status of Drainage Sluice for Package-2.....	68
Table 3-56: Detailed Information of Construction Status of Flushing Sluice for Package-2	69
Table 3-57: Progress of Package-2 as on January 2019	72
Table 3-58: CC Blocks Production as on January 2019.....	72
Table 3-59: Contractor Staffs available in Package-2.....	73
Table 3-60: Mobilisation List of Equipment for Package-2	74
Table 3-61: Summary of Emergency works under the head of “Environmental Mitigation Works” 80	
Table 3-62: Summary of Emergency works under the head of “Physical & Price Contingency”	80
Table 3-63: Detailed of Emergency Works under the head of “Provisional Sum”	81
Table 3-64: Detailed of Emergency Works under the head of “Physical & Price Contingency”	82
Table 3-65: Tentative forecast of Payment of Package-2	85
Table 3-66: Overview of Staffing (including Proposed Replacements).....	86
Table 3-67: Tentative information on financial of payment for DDCS & PMS Consultants	88
Table 3-68: Overview of Consultants Invoices since Project Inception	89

List of Figures

Figure 3-1: FGD by LAP/RAP team for DC Payment, Khulna for Polder-32 & 33.....	16
Figure 3-2: FGD by LAP/RAP team for DC Payment, Bagerhat for Polder-35/1 & 35/3	16
Figure 3-3: HH 1444 Before relocation of Polder-33	19
Figure 3-4: HH 1444 After relocation of Polder-33.....	19
Figure 3-5: HH 1523 Before relocation of Polder-33	19
Figure 3-6: HH 1523 After relocation of Polder-33.....	19
Figure 3-7: HH 1551 Before relocation of Polder-33	19
Figure 3-8: HH 1551 After relocation of Polder-33.....	19
Figure 3-9: HH 122 Before relocation of Polder-35/1	19
Figure 3-10: HH 122 After relocation of Polder-35/1	19
Figure 3-11: HH 123 Before relocation of Polder-35/1	20
Figure 3-12: HH 1713 After relocation of Polder-35/1.....	20
Figure 3-13: HH 125 Before relocation of Polder-35/1	20
Figure 3-14: HH 125 After relocation of Polder-35/1	20
Figure 3-15: HH 127 Before relocation of Polder-35/1	20
Figure 3-16: HH 127 After relocation of Polder-35/1	20
Figure 3-17: Group Relocation site: Meeting at CEIP Village, Uttar Kamarkhola under Polder-32	21
Figure 3-18: Relocation site at Mollikerber Madrasha Bazar in Polder-35/3.....	21
Figure 3-19: Graphical Presentation of Complaints / cases received and resolved by GRC.....	22
Figure 3-20: Graphical Presentation on Polder-wise numbers of Entitled Persons	26
Figure 3-21: Status of ID Card Preparation for Implementation in Package-2.....	27
Figure 3-22: Status on FGDs as of January 2019	31
Figure 3-23: Graphical Presentation of List of Equipment Contractor of Package-1	36
Figure 3-24: S-Curve of Package-1	38
Figure 3-25: Construction/Re-sectioning of Embankment of Package-1	42
Figure 3-26: Drainage Channel of Package-1.....	42
Figure 3-27: Construction of Drainage Sluices of Package-1.....	42
Figure 3-28: Construction of Flushing Sluice of Package-1	43
Figure 3-29: Construction of Slope Protection of Package-1	43
Figure 3-30: Construction of Bank Protection of Package-1	43
Figure 3-31: CC Blocks Production of Package-1	44
Figure 3-32: Graphical Presentation of CC Block Production for Package-1.....	45
Figure 3-33: DS-4 of Polder-33	45
Figure 3-34: DS-7 of Polder-33	45
Figure 3-35: DS-13 of Polder-33.....	45
Figure 3-36: DS-9 of Polder-33	45
Figure 3-37: DS-10 of Polder-33.....	46
Figure 3-38: DS-12 of Polder-33.....	46
Figure 3-39: FS-17 of Polder-33	46
Figure 3-40: DS-5 of Polder-35/1	46
Figure 3-41: DS-6 of Polder-35/1	46

Figure 3-42: FS-2 of Polder-35/1	46
Figure 3-43: FS-13 of Polder-35/1	47
Figure 3-44: DS-1 of Polder-35/3	47
Figure 3-45: DS-3 of Polder-35/3	47
Figure 3-46: FS-2 of Polder-32	47
Figure 3-47: Construction / Re-sectioning of Embankment of Package-2	70
Figure 3-48: Construction of Drainage Channel of Package-2	70
Figure 3-49: Construction of Drainage Sluice of Package-2	70
Figure 3-50: Construction of Flushing Sluice of Package-2	71
Figure 3-51: Construction of Slope Protection of Package-2	71
Figure 3-52: Construction of River Bank Protection of Package-2	71
Figure 3-53: CC Blocks Production of Package-2	72
Figure 3-54: Graphical Presentation of CC Block Production for Package-2	73
Figure 3-55: Curing the blocking yard no.1 of Polder-39/2C	75
Figure 3-56: Executing the sand pile for DS-07 of Polder-39/2C	75
Figure 3-57: Fitting the deformed bar for DS-2 of Polder-40/2	75
Figure 3-58: Excavating the foundation for DS-4/5 of Polder-40/2	75
Figure 3-59: Pouring the RCC slab for DS-5 nighttime of Polder-41/1	75
Figure 3-60: Pouring the RCC slab for DS-8 of Polder-41/1	75
Figure 3-61: Driving the sheet pile for DS-9 of Polder-41/1	76
Figure 3-62: Pouring the RCC slab for DS-5 daytime of Polder-41/1	76
Figure 3-63: Dewatering for DS-7 of Polder 43/2C	76
Figure 3-64: Pouring the RCC slab for DS-1 in Polder-47/2	76
Figure 3-65: Fitting the deformed bar for DS-3/4 of Polder-48	76
Figure 3-66: Manufactured the new size (60*60*60cm) block in yard No.1 of Polder-48	76
Figure 3-67: Sampling the materials for beach EMB of Polder-48	77
Figure 3-68: Pouring the lean concrete for DS-3 of Polder-47/2	77
Figure 3-69: EMB construction around KM 9+700 of Polder-41/1	77
Figure 3-70: EMB construction around KM 6+700 of Polder-41/1	77
Figure 3-71: Emergency Work of Polder-48	80
Figure 3-72: S-Curve for Package-2	84

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 January 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 last month.

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 Contracts for Package-1 and Package-2

In the current phase of the CEIP-1 Project, our focus is on progress of the construction works for Package-1 and Package-2. Other Consultants tasks are summarised separately in this Chapter.

1.2.1 Package-1 implementation

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

1. The physical progress up to January 2019 is 65.10%.
2. Based on this we already determined that the actual progress is too low to complete the Works within the time for Completion. In April 2018, the Contractor submitted his official claim for Extension of Time based on the following:
 - i) Delays due to late award of Contract on **01 November 2015** and delayed issuance of formal commencement of works on **26 January 2016**;
 - 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.
3. Based on our analysis, we have recommended to the Employer to extend the time for completion until 30 June 2020 for Package-1 and as per our instruction the Contractor has prepared a detailed work plan. The Consultant has reviewed the work plan and found it acceptable. Extension of Time requires the approval of the Employer, which is still pending. The PMU submitted the EOT determination and supporting documents to the World Bank for review and concurrence.
4. Contractor has completed 25 Nos. drainage sluices and 18 Nos. flushing sluices and has been working together with the Engineer on the handing over procedures.
5. 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 January 2019 also. The Contractor is involved in undertaking various steps required for improving the EHS issues through the training and motivation of Environment Specialists of the Project in the light as desired by the World Bank's Environmental Specialist during their field visits Engineer is pushing Contractor doing so and this has resulted in improvements in February 2019.
6. 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 31 January 2019 they have dumped about 4 (four) lacs sand fill synthetic bags to prepare the foundation of the closure but their activities till are not yet satisfactory.

7. 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.
8. The installation of gates and hoists in 19 sluices have been completed and the remaining 20 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 and reduce the diameter of the swivel wheel.
9. Contractor is claiming a Variation Order No.3 for the payment of additional costs for a better-quality fill sand as instructed by the Engineer. 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 Barisal O & M Division. The Project Director has also advised to include the requirement of Additional IT & VAT upto 30 June 2019 in this Variation Order.
10. In the contract, there was provision for repairing works of 30 nos. flushing sluices out of which 14 nos. have been dropped (for falling the structures outside the alignment or not repairable) and out of the rest 16 nos. 3 nos. have been completed, 9 nos. are in progress and remaining 4 nos. not yet started for want of data which are supposed to be supplied by the contractor. However, those will be taken up and completed during the current dry season positively without fail. There was provision for repairing works of 2 nos. drainage sluices which are in progress and almost completed.

1.2.2 Package-2 implementation

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

1. The physical progress up to January 2019 is 15.52%,
2. The progress of Contractor during the last financial year was highly disappointing; they failed to meet the targets set for FY 2017-2018 committed in a meeting of 12th November 2017. Main issue for poor progress was the problem of timely availability of materials but that is now (almost) solved; local resources (including labour) are controlled by local parties and Contractor is therefore limited to import resource's including labour from other polders or suppliers.
3. However, the present performance of the Contractor in this dry season is not yet satisfactory also. Meetings with higher Management of Contractor were held and an action plan is being prepared, however, follow-up is lacking, and Engineer is pushing the Contractor. The Contractor has submitted an accelerated work program which has been reviewed and sent to PMU.
4. Following said World Bank Mission on environmental aspects of the CEIP-1 Project, The Contractor is involved in undertaking various steps required for improving the EHS issues through the training and motivation of Environment Specialists of the Project in the light as desired by the World Bank's Environmental Specialist during their field visit.

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

work program which has been reviewed by the Consultants and submitted to PMU. It is, however, noted that the accelerated work program shows completion earlier than contractual date of completion and therefore not binding. An earlier date of completion would require a Variation Order.

Other tasks of Consultants

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

1. The Draft Final Report of EIA/EMP for Package-3 have been finalized and submitted to PMU for all 7 Polders. The PMU submitted the reports to the WB for their review. The World Bank has reviewed the report and given some comments/observations on the report. The responses of the comments/observations have been prepared and submitted to PMU on 24 January, 2019.
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. This is now under review by PMU.
3. The Consultant supported the PMU with the missions and meetings of the World Bank delegations to the Project including site visits and various reports and recommendations.

1.3 Key challenges and risks and recommendations

1.3.1 Key challenges and risks

Key challenges and risks are listed below:

1. The weather conditions in January 2019 were favourable for construction of civil works.
2. Risks related to the site situations not being available remains valid for January 2019; all stakeholders, being the Client, Client's regional offices, DC's, Contractor and Consultants, are doing their utmost efforts to organise this in a practical and pragmatic manner. It is Consultants view that progress is being made in the joint efforts in the interest of the CEIP-1 Project. This is an area which requires continued highest attention of all concerned;
3. The World Bank modified FIDIC Contracts which are in place stipulate specific deadlines in terms of modifications, possible claims and variations. Where it concerns approvals from higher levels within the BWDB, procedures should streamline to avoid undesirable claims from Contractors. This was noted in April 2018 and has yet to be made clear and was also discussed in above mentioned FIDIC training for follow-up actions. The division of (the FIDIC-like) roles between the Employer – Engineer – Contractor is not clear in practice and a point of concern.
4. Although a Modified Contract No. 2 for Consultancy Services has been signed in the beginning of this 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. Consultant proposed a budget neutral adjustment (modified Contract No. 3) but the PD refuses to consider this, because there is no logic to modify the contract as the scope and time remain unchanged.

1.3.2 Recommendations

The following recommendations are made:

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

1.4 Action Log

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

Table 1-1: Action Log

Action No.	Description of action	By when	By whom	Done by and can be deleted from this Action Log next month		Remarks
				Date	Done	
Nov17-001	PMU-World Bank Environmental actions agreed upon on 23 rd November 2017	Continuous	Consultants	Continuous	mostly	Consultant's report improvements done, Contractor achieved most of the requirements, EHS improvement is continued
Nov17-003	Revised Work Plan including methodology and resource planning.	30-11-17	Contractor		Partly	<ul style="list-style-type: none"> Contractor Package-1 has submitted a draft work program based on Claim No. 2 for Extension as per recommendation given by the consultants and the submitted work program has been reviewed and sent to PMU. Contractor Package-2 has submitted an accelerated revised work program which has been reviewed by the consultants and sent to PMU.
Nov17-006	Payment in connection to land availability and instructing DC's accordingly.	31-12-2017	CEIP-1 PMU,		Partly	This is progressing but need acceleration.
Dec17-002	Agree with Contractor Package-1 on claim for extension and increase of cost.	09-04-2018	Contractor and Engineer			The extension of time up to June 2020 is recommended by the Consultants with judicious justifications and sent to PMU. As per instruction of the Project Director the Contractor is requested to submit the Application for Extension of Intended Completion Date, in specified Proforma, duly filled in but that not yet received from the Contractor. Rather the contractor expressed their unwillingness to submit that proforma because it would require waiving his right for claiming additional costs which is still under consideration.
Dec17-003	Prepare workshop on innovative design approaches adopted for CEIP-1 Project,	31-01-2018	Consultants			The Workshop for new design approaches for CEIP-1 was organized in 27 May 2015. Hence the action as asked for may be deleted.
Jan18-001	Advise Contractors to involve international experts in various fields.	28-02-2018	Engineer			Contractor Package-1 is gradually involving international experts; Contractor Package-2 yet to get grip on this.

Action No.	Description of action	By when	By whom	Done by and can be deleted from this Action Log next month		Remarks
				Date	Done	
Jan18-002	Take measures to further increase progress of works Package-1	20-02-2018	Contractor and Engineer			The Contractor has submitted a draft work program following the recommended extension of time up to June 2020 and the same has been reviewed and sent to PMU.
Jan18-003	Take measures to further increase progress of works Package-2	20-02-2018	Contractor and Engineer			Meetings with higher Management of Contractor were held and an action plan is being prepared, however, follow-up is lacking, and Engineer is pushing the Contractor. The Contractor has submitted an accelerated work program which has been reviewed and sent to PMU.
Feb2018-001	Follow-up Environmental Mission World Bank February 2018	1-05-2018	Consultants			Ongoing
Mar2018-003	Prepare guiding document for accelerating work for Package-1 and Package-2 during monsoon	15-04-2018	Engineer			This action was implemented during the regular meetings on work progress and for preparing the updated work programs for the fiscal year 2018-2019
	Submission of Contractor's Monthly Work Program with detail resources allocation		Engineer			This action is impossible to execute as the monthly program is depending on many factors in terms resource allocation.

1.5 DDCS&PMS Contractual Tasks

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

- Task A : Review and update the designs bidding documents and related environmental and social plans (EIAs, EMPs, and RAPs) already prepared, related to Package-1 only during the inception phase of the Project; updates are being done regularly in LAP/RAP activities;
- Task B : Prepare detailed designs for all remaining polders and works of Package-2 and Package-3 that would be included in the Project, including the Engineering and Environment and Social studies (mathematical modelling, detailed designs, EIAs, EMPs/EAPs, geotechnical investigation); this task is ongoing;
- Task C : Supervise construction of all works under the Project, and do the contract management as "The Engineer", according to FIDIC rules and regulations and the World Bank Guidelines and its standard bidding documents;
- Task D : Provide overall project management support (PMS) to Project Management Unit (PMU) under the BWDB agency (mainly consisting of support for reporting, mapping products, data bases, preparation of all stakeholder's meetings, establishment of minutes of meeting, special thematic reporting, joint teaming up to establish thematic reports, oral/written advice on contract management and project management of site works; and seconding and assisting WB missions to the field).

2. Summary of Key Achievements during the reporting month

2.1 Package-1

No.	Item	Key Achievements during the month – Package-1
1	Modelling	Not applicable
2	Surveys and Design	Several designs prepared and implementation of some Emergency Works have been completed and protected the Polder area from saline water intrusion and some Emergency Works are in progress.
3	Works	<ul style="list-style-type: none"> ➤ Construction / Re-Sectioning of Embankment: 60.05 Km (Full) & 51.31 Km (Part) ➤ Excavation / Re-Excavation of Drainage Channel: 0.00 Km ➤ Construction of Drainage Sluice: 0 no. (Full) & 13 nos. (Part) ➤ Construction of Flushing Inlet: 0 nos. (Full) & 10 nos. (Part) ➤ Repair of Flushing Inlet: 3 nos. (Full) & 09 nos. (Part) ➤ Embankment Slope Protection Works: 2.05 Km ➤ River Bank Protection Works: 0.414 Km ➤ Nalian Closure Dam: Foundation work 40% completed.
4	Contractor Resources	Updated by Contractor Package-1 in terms of labour and equipment.
5	RAP and status of resettlement Payment	<ul style="list-style-type: none"> • 6,127 entities (residential HHs, commercial premises and common property structures) were identified during updating of Inventory of Losses (IoL) in March-May 2015 of whom 820 on private land (titled) and 4,633 on government land non-titled EPs (Squatters) and among 4,633 EPs, 448 tenants and 226 were wage laborers. • The final numbers of entities as of January 2019 stands at 5,347 of whom 4,619 non-titled (Squatters), 448 tenants and 280 as wage labors. It is to be mentioned here that 1 new EPs have included in Polder-35/1 for FS-4 due to reshaping the embankment alignment. • BDT 5716.74 lac has been paid to the 3,968 non-titled EPs (squatters) as compensation 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 12.75 lac. • As of January 2019, DC office Khulna & Bagerhat has paid a total BDT 5304.83 against 2003 nos. of awardees among Titled EPs (648 nos. of Polder-32, 290 nos. of Polder-33, 720 nos. of Polder-35/1 & 345 nos. of Polder-35/3). Satisfactory progress has not been made in January 2019 for the sake of some stated reason as the Progress of payment in Polder- 35/1 & 35/3 is postponed due to transferring the DC office Surveyors and further the DC payment for CEIP-1 is not progressed because they are too much busy for another project. Payment for Polder-32 & 33 is being slower due to insufficiency and legitimacy of the papers.
6	LAP	<ul style="list-style-type: none"> • 131.03 ha land was Programmed for Land Acquisition (LA) in four polders. • Possession received a total of 116.57 ha land and 9.86 ha land is yet pending. • The proposal for 3.34 ha Banisanta mouza has sent on 10/10/2018 to the MoL by DC for final approval and accordingly MoL approved 3.34 ha land on 13/1/19.

No.	Item	Key Achievements during the month – Package-1
		<ul style="list-style-type: none"> • Polder-35/1, revised land acquisition proposal for 5.67 ha of land is under process due to recent river erosion & technical reason (shifting the alignment in the Sharankhola mouza in Bagi). According to this decision, LAP team has already been prepared a new LA Proposal where it will be required at most 1.26 ha land.
7	Relocation	<ul style="list-style-type: none"> • About 97.68% of paid EPs have already been relocated. The majority (54.49%) EP has relocated on their own land; 11.97% on newly purchased land; 17.21% EP has replaced to their relative's or others' land; 13.04% have relocated temporarily at nearby area; About 2.30% of the paid EPs are yet to be relocated from the ROW. About 0.62% & 0.35% have relocated respectively in Market & Group Relocation.
8	Grievances	<p>147 complaints/grievances have received up to January 2019 by GRC. 25 complaints/grievances have been resolved at the entry level, while 114 cases have been resolved through investigations and formal hearing by GRC. 08 lodged grievances have been trying to resolve in entry level by the GRC.</p> <p>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.</p>
10	Value of Physical Work Done	<p>The total value of physical work done up to January 2019 is BDT 3,968.994 million and during January 2019 is BDT 365.164 million.</p>
11	Finance	<p>Total expenditure incurred up to IPC-15 is BDT 41104.98 million including 10% advance payment. An amount of BDT 273.63 million has been recovered from the advance payment of BDT 660.89 million.</p>
	Contract Administration	<p>The Variation Order No. 2 (updated) has again been corrected as per advice of the Project Director and submitted to PMU. The draft Variation Order No.3 was submitted to PMU and that has been reviewed by the PMU and suggested to compare the determinate rate of the Engineer with the schedule rate of Barisal O & M Division. The Project Director has also advised to include the requirement of Additional IT & VAT upto 30 June 2019 in this Variation Order but as that is to be adjusted in the Contract Price the Engineer will determine and recommend the amount and the Employer will take the action to adjust the amount in the Contract Price as per GCC Sub-Clause 1.7.</p>

2.2 Package-2

No.	Item	Key Achievements during the month – Package-2
1	Modelling	Not applicable.
2	Surveys and Design	Designs were completed long ago. Contractor CICO has completed some sections of pre-construction surveys of 6 Polders and subsequently shop drawings also completed based on which the physical works were executed during the first dry season period 2017-2018. The Contractor will conduct pre-construction surveys for the rest sections of the Polders and then to be followed up by making the shop drawings for the 2 nd & 3 rd dry season period 2018-2019 and 2019 -2020 respectively. Task force will be included in all survey works.
3	Works	<ul style="list-style-type: none"> ➤ Construction / Re-sectioning of Embankment: 0.00 Km (Full) & 5.10 Km (Part) ➤ Construction of Drainage Sluices: 17 nos. (p) ➤ Repair of Drainage Sluices: 1 no. (p) ➤ Construction of Flushing Inlets: 14 nos. (p) ➤ Repair of Flushing Inlets: 2 nos. (p) ➤ River Bank Protections: 0.39Km (F) ➤ Embankment Slope Protection Work: 0.00 km
4	Contractor Resources	Contractor has received the full advance payment against the first instalment & had been spent the money to purchase machineries and equipment; Chinese engineers and supporting personnel have mobilized, and the same is true for the recruitment of local labour; facilities and buildings are under construction now. The 2 nd instalment is using for procurement of construction materials and other field requirements.
5	RAP and status of resettlement Payment	<ul style="list-style-type: none"> • A total of 6693 entities have been identified of whom 1777 entities are titled and 4757 are non-titled on Government land (squatters) which may fluctuate, 195 unit 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. • 159 nos. of EPs have been deducted from recent survey and technical reason by field verification jointly by the DDCS & PMS Consultant along with LAP/RAP team. • Necessary papers and documents such as Bank Account deposit slip, photocopy of national ID cards etc. have been collected from the Non-Titled EPs. ID Cards are being prepared for non-tiled EPs (squatters, tenants, wage laborers). The tenants and wage labours are not included in the current EP list. • 2701 EP ID Cards have been allowed by the Project Director for issuance by the concern XEN and from the allowed card lists includes 1327 nos. of Polder-48, 157 nos. of Polder-47/2, 503 nos. of Polder-43/2C, 218 nos. of Polder-41/1 and 496 nos. of Polder-40/2 which all has sent to the concern XEN's for issuance. Thereafter a total of 1909 EP ID cards issued by the concerned XEN which includes 890 nos. of Polder-48, 157 nos. of Polder-47/2, 296 nos. of Polder-43/2C, 181 nos. of Polder-41/1 and 385 nos. of Polder-40/2. • A total of 1694 EPs have been selected for payment of compensation/Resettlement benefits under first indent according to the policy of Resettlement Action Plan (RAP) out of which 1690 EPs have been received compensation under first indent.

No.	Item	Key Achievements during the month – Package-2
		<ul style="list-style-type: none"> The 2nd indent of compensation payment under package-2 has submitted to the Project Director, CEIP-1 for his review and approval.
6	Preparation of LAP	<ul style="list-style-type: none"> 154.76 ha land was Programmed for Land Acquisition (LA) in four polders. The land acquisition proposal for six polders under Package -2 has been submitted to concern DC (Pirojpur, Jhalokhathi, Barguna and Patuakhali) for acquisition. 139.18 ha land has approved by MoL for polder 39/2C, 40/2, 41/1, 47/2 & 48. BWDB has been placed fund against CUL to DC, Barguna for Polder 39/2C (1 nos. of LA case), Polder-40/2 (2 nos. of L.A Cases) and Polder-41/1 (6 nos. L.A Cases). For Polder- 43/2C, issuance of notices U/S-4 for two Mouza has completed and waiting for issuance of notices U/S-4 for nine Mouza. For Polder-39/2, signature in final estimate by DC office-Pirojpur (Pirojpur Portion) is waiting, PWD has already forwarded the estimate to DC office Jhalokathi and field work is finished for estimate at Jhalokathi portion by DoF Jhalokathi and submitted the estimate to the DC office for two mouza.
7	Relocation	<ul style="list-style-type: none"> The majority (52.10%) EP has relocated on their own land; 7.29% on newly purchased land; 10.91% EP has replaced to relative's or others' land; 23.00% have been relocated temporarily at nearby area; About 6.46% of the paid EPs are yet relocated from the ROW. About 0.24% made group relocation. No market relocation made so far.
8	GRC & FGD	<ul style="list-style-type: none"> A total number of 45 complaints/grievances have been received up to January 2019 by GRC. 45 cases are under process for investigation and formal hearing by GRC. Total of 994 focus group meetings have been held with resolution. Some of the groups have been met twice or more.
9	Environment	Second version of the C-ESMPs for Package-2 have been finalized and submitted to World Bank through PMU, which is a living document that will be continuously updated and improved as and when required.
10	Value of Physical Work Done	The total value of physical work done up to January 2019 is BDT 1072.90 million and during January 2019 is BDT 342.24 million .
11	Finance	Total expenditure incurred up to IPC-05 is BDT 2636.91 million including 10% advance payment.
12	Contract Administration	No change in Contract was operated.

2.3 Package-3

No.	Item	Key Achievements during the Month – Package-3
1	Mathematical Modelling	Mathematical modelling to detailed design parameters of the 7 Polders of Package-3 were completed in the month of February 2018 and sent to the Superintending Engineer, Design Circle-5 for review. Very recently, the review has been completed and gave clearance for starting the detailed design.
2	Surveys and Design	Surveys were completed in 2017 and immediately after getting the clearance, the preparation of design is in process. The outcomes of the mathematical modelling are being used as input and boundary conditions for design of the structures under Package-3 with ambition to finish them by April 2019
3	Bid Documents	Some sections of the Bidding Documents have been advanced and waiting for the preparation of BOQ yet the design and drawing of some components are to be completed.
4	RAP	<ul style="list-style-type: none"> Following the accomplishment of the map of alignment fixing by the DDCS & PMS Engineering Team, the LAP/RAP team has completed the Households (HHs) numbering and IoL survey in all 7 polders under Package-3 of CEIP-1. A total of 20 Community/Stakeholder Consultation meeting were held at 15 different venues of the Polders. Preparation of draft RAP is under process.
5	LAP	Preparation of LAPs of 6 Polders under Package-3 were completed and LAP of polder-14/1 was almost completed. These are now being revised as per latest land acquisition Act-2017.
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.

1.6 DDCS&PMS Consultancy Services

No.	Item	Key Achievements during the Month - Consultant
1	Construction Supervision Systems/Tools	<p>Package-1 physical progress is 65.10% (4 Polders).</p> <p>Package-2 physical progress is 15.52% (6 Polders).</p> <p>Package-3 no contract, hence no site works (7 Polders).</p>

3. Project Progress

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

3.1.1 Design

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

3.1.2 Bid Documents

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

3.1.3 RAP Implementation Package-1

3.1.3.1 Implementation Activities

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

Due to the changes/adjustments of the alignment and Joint Verification Survey (JVS), the total numbers of entities have been changed. The final numbers of entities as of January 2019 stands at **5,347** of whom **4,619 non-titled (Squatters)**, **448 tenants** and **280** as wage labors including one new **EP in Polder-35/1**. 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 January 2019

Polder	Non-titled (Squatters)	Tenants	Wage Labourers	Total	No of EPs Paid	Amount paid in Lac
32	1251	86	23	1360	1247	1532.70
33	1462	157	75	1694	1151	1620.82
35/1	1624	196	171	1991	1252	2197.47
35/3	282	9	11	302	259	391.50
Total	4619	448	280	5347	3909	5742.49
Paid for Social Forestry for 27 unit in 33 & 35/3					27	16.12
Paid for Electric Pole for 48 Unit in 33, 35/1 & 35/3					48	12.75
Grand Total					3984	5771.36

Progresses of activities in terms of preparation of documents are as follows:

- i. Among the total number of **5,347 non-titled** EPs, the ID numbers of all (100%) were devised;
- ii. Opening of Bank Accounts of non-titled EPs completed for 5,346 (100%);
- iii. Preparation of EP ID Cards for non-titled EPs 5,346 (100%);
- iv. EP ID cards have been checked & verified by Resettlement Specialist are 5,346 (100%); EP ID cards have been issued by XEN 5,326 (99.60%) and remaining (5,346-5326=20) EP ID cards are sent to the PD office for final approval.

Necessary actions are under process for the newly affected 1 EPs as described above.

3.1.3.2 Payment and compensation benefits

Payment of compensation, grants and resettlement benefits for four Polders under Package-1 started in June 2016. As of January 2019, a total of BDT **5771.36 in Lac** has been paid to the **3,909** non-titled EPs excluding 27 nos. for social forestry and 48 electric poles are included in the payment.

3.1.3.3 Payment of Compensation under Law (CUL)

DC office both Khulna & Bagerhat has been started the payment of compensation under Law (CUL) to the Titled EPs. As of January 2019, DC office Khulna & Bagerhat has paid a total **BDT 5,304.83** against **2003 nos.** of awardees among Titled EPs. The Polder wise details of progress are shown in Table 3-2:

Table 3-2: Polder- wise payment made by DCs Khulna & Bagerhat till January 2019

Polder No.	Total Awardees	No of awardees applied to DC	Total estimated amount of CUL (BDT) Lac	Administrative Cost for LoA (BDT) Lac	Net Payment Amount by DC (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= (4-5)	7	8	9	10
32	3003	1447	1615.37	112.70	1502.67	648	363	884.97	54.78
33	2066	928	770.04	53.72	716.31	290	159	430.14	55.85
35/1	1087	939	4525.92	88.74	4437.18	720	679	3018.74	66.70
35/3	489	448	1510.51	29.62	1480.89	345	284	970.98	64.28
Total	6645	3762	8421.84	284.78	8137.06	2003	1,485	5304.83	63.00

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

The payment has been made to 1126 residential structures against target 1545, paid for commercial structure 47 out of 67 and paid for land 830 awardees out of 5033. The Polder wise details payment progress has stated in the following Table 3-3.

Table 3-3: Substantial progress report in payment of compensation under law till January 2019

Polder No.	No. of Titled EPs (Awardees)				Polder Wise Payment Summary			
	Residence	Commercial	Land	Total	Paid for residence	Paid for commercial structure	Paid for land	Total
1	2	3	4	5	6	7	8	9
32	397	14	2592	3003	261	09	378	648
33	185	32	1849	2066	96	21	173	290
35/1	729	15	343	1087	559	10	178	720
35/3	234	06	249	489	210	07	101	345
Total=	1545	67	5033	6645	1126	47	830	2003

The payment of CUL from the DC office is going. The LAP/RAP team continuing effort to accelerate the payment through motivations, Focus Group Discussion (FGD) and Consultation meetings. They also assisting the EPs to prepare the payment documents and advising them on related matters. On the other hand, continuous liaison and coordination are being maintaining with the DC officials to accelerate all pending LA cases. The visual presentation is shown below:



Figure 3-1: FGD by LAP/RAP team for DC Payment, Khulna for Polder-32 & 33



Figure 3-2: FGD by LAP/RAP team for DC Payment, Bagerhat for Polder-35/1 & 35/3

3.1.3.5 Relocation Status and Assessment of Relocation

Since payment of compensation against the First to Ninth indents, the affected people started relocating their structures by their own choice. It was explained them that the project will provide necessary civic amenities if they relocate in group. BWDB, DDCS&PMS Consultant 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 Aps prefer individual relocation. The Project concern and RAP/LAP team are trying to motivate them for group relocation. The majority (54.49%) EP has relocated on their own land; 11.97% on newly purchased land; 17.21% EP has replaced to relative's or others' land; 13.04% have been relocated temporarily at nearby area; about 2.30% of the paid EPs are yet to be relocated from the ROW and about 0.62% & 0.35% have been in Market & Group Relocation.

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

Status of relocation	Number of squatters relocated by Polders					
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total	%
Relocated on own land	666	710	623	131	2130	54.49
Relocated on purchased land	112	44	270	42	468	11.97
Relocated on relative & other's land	235	166	204	68	673	17.21
Relocated Temporarily at nearby area (Govt. Land)	203	171	135	01	510	13.04
Total Relocated-A	1216	1091	1232	242	3781	96.72
Not yet relocated	17	60	13	00	90	2.30
Market Relocation	00	00	07	17	24	0.62
Group Relocation	14	00	00	00	14	0.35
Total Relocation-B	31	60	20	17	128	3.28
Total Relocation target (A+B) =	1247	1151	1252	259	3909	100

The number of relocation is shown in above table. Relocation of non-relocated EPs in polder-33 is comparatively lower due to planned relocation to Laodobe Bazar is still pending for one year.

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	860	387	1247
2	33	813	338	1151
3	35/1	897	355	1252
4	35/3	148	111	259
	Total=	2718	1191	3909

3.1.5 Relocation Status of Physical Displaced household in Package-1

It is evident from the majority of the displaced people (57.14%) relocated to self-managed land. The status of polder wise physical displacement is stated in table as follows:

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

Status of relocation	Number of squatters relocated by Polders					
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total	%
Relocated on own land	461	521	475	96	1553	57.14
Relocated on purchased land	103	35	241	39	418	15.38
Relocated on relative & other's land	173	126	181	13	493	18.13
Relocated Temporarily at nearby area (Govt. Land)	109	108	--	--	217	7.99
Not yet relocated	00	23	00	00	23	0.84
Group Relocation	14	--	--	--	14	0.51
Total =	860	813	897	148	2718	100

3.1.6 Relocation Status of Economical / Commercial Displacement in Package-1

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

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

Status of relocation	Number of squatters relocated by polders					
	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total	%
Relocated on own land	205	189	148	35	577	48.45
Relocated on purchased land	09	09	29	03	50	4.20
Relocated on relative & other's land	62	40	23	55	180	15.11
Relocated Temporarily at nearby area (Govt. Land)	94	63	135	01	293	24.60
Not yet relocated	17	37	13	00	67	5.62
Market Relocation/Group Relocation	-	-	7	17	24	2.02
Total =	387	338	355	111	1191	100

3.1.7 The substantial progress in relocation of the Titled Affected households compensated under law (CUL) in package-1

The relocation so far made of the titled affected households those of who were compensated under law are stated in the following table.

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

Number of relocated Residence and Commercial Titled EPs (Awardees)polders				
Polder No.	Residence Payment	Relocated	Commercial Payment	Relocated
32	261	250	9	9
33	96	90	21	21
35/1	559	550	10	10
35/3	210	207	07	07
Total	1126	1097	47	47

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. The relocation activities are continuing.



Figure 3-3: HH 1444 Before relocation of Polder-33



Figure 3-4: HH 1444 After relocation of Polder-33



Figure 3-5: HH 1523 Before relocation of Polder-33



Figure 3-6: HH 1523 After relocation of Polder-33



Figure 3-7: HH 1551 Before relocation of Polder-33



Figure 3-8: HH 1551 After relocation of Polder-33



Figure 3-9: HH 122 Before relocation of Polder-35/1



Figure 3-10: HH 122 After relocation of Polder-35/1



HHs ID 123 Resident Structure Before Relocation
Polder No. 35/1

Figure 3-11: HH 123 Before relocation of Polder-35/1



HHs ID 123 Resident Structure After Relocation
Polder No. 35/1

Figure 3-12: HH 1713 After relocation of Polder-35/1



HHs ID 125 Resident Structure Before Relocation
Polder No. 35/1

Figure 3-13: HH 125 Before relocation of Polder-35/1



HHs ID 125 Resident Structure After Relocation
Polder No. 35/1

Figure 3-14: HH 125 After relocation of Polder-35/1



HHs ID 127 Resident Structure Before Relocation
Polder No. 35/1

Figure 3-15: HH 127 Before relocation of Polder-35/1



HHs ID 127 Resident Structure After Relocation
Polder No. 35/1

Figure 3-16: HH 127 After relocation of Polder-35/1

Group Relocation

A group Relocation carried out at Uttar Kamarkholain in Polder-32. The name of the relocation site is titled as CEIP Village at Uttar Kamarkhola near BWDB office. LAP/RAP team is continuing effort for convincing and motivating APs for more group relocation in other places in four Polders under Package-1.



Figure 3-17: Group Relocation site: Meeting at CEIP Village, Uttar Kamarkhola under Polder-32

Business/Market Relocation

Some shopkeepers have relocated by themselves and some are waiting for compensation. Some of them have already been selected the relocation spots/location and hope that they will shifted 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.

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. *During the month, LAP/RAP and DDCS & PMS Consultants visited the site and encouraged shop owners to make a concrete plan for permanent relocation of all shops to establish there a full market.*



Figure 3-18: Relocation site at Mollikerber Madrasha Bazar in Polder-35/3

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, CEIP-1, 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 147 complaints/grievances have been received up to January 2019 by GRC. Among those, 25 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 08 new lodged grievances have been trying to resolve in entry level by the GRC and necessary actions are continuing by the Member Secretary/ LAP/RAP team and the convenor of the GRC. Table 3-10 shows the status of complaints/cases received & resolved by GRC.

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

SL No.	District	Polder no	Total Complaints/ cases	Resolved at entry level	Resolved by GRC	Newly lodged Grievances
1	Khulna	32	43	10	29	04
2	Khulna	33	14	8	06	0
3	Bagerhat	35/1	25	3	19	03
4	Bagerhat	35/3	65	4	60	01
Total =			147	25	114	08

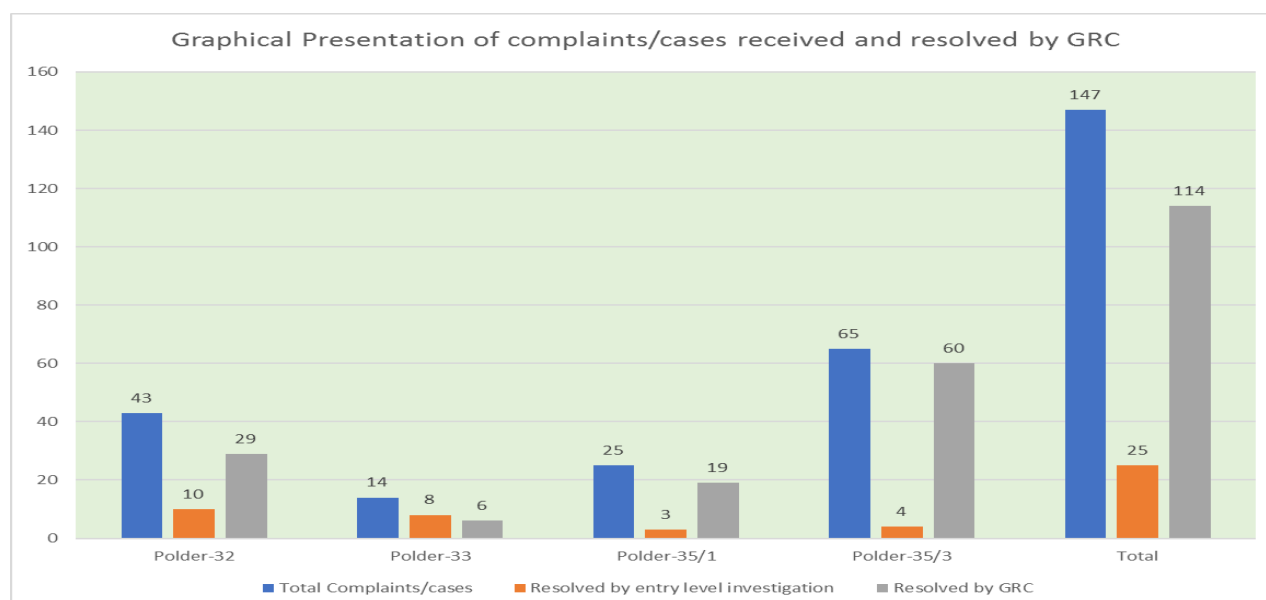


Figure 3-19: Graphical Presentation of Complaints / cases received and resolved by GRC

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.

Recently a new grievance was submitted by Salina Begum on 3rd October 2018 from Polder 35/3. The LAP/RAP Team and DDCS & PMS Consultants visited the site several times, made several discussions with Salina Begum and finally, the LAP/RAP Team is collecting necessary land acquisition related documents from the concern DC office, checking together the relevant documents with DDCS & PMS Consultants as well as with Salina Begum which will take more time to complete the full investigation to resolve the grievances. In this regard, the DTL-LAP/RAP Team, RSs of DDC&PMS Consultants along with SRS-PMU reviewed the status of Salinas grievance on 22nd January at Dhaka and prepared an outline to address the grievances as early as possible.

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.

DDCS and PMS Consultants have been reporting community participation in the progress report in 3.1.5.5 as Focus Group Discussion mainly in Package-2: Accordingly, 227 focus group were formed in package-2 and a total 994 FGD meetings were held till January 2019 where 14 were held in December only.

Regard to consultation meeting on social issues, consultation meetings as per need have been conducting by the DDCS and PMS Consultants along with the PMU experts. For example, similar consultations were organized in four Polders under package -1 in January 2019 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 have been 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 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 9.86 ha of Polder in 35/1 against three mouza (Kumarkhali, Rayenda & Sharanakhola Mouza) & 5.87 ha of Polder 33 against two mouza (Banishanta & Chunkuri) land were proposed for newly acquisition but 2.53 ha under Chunkuri mouza has already been dropped from the acquisition plan. The proposal for 3.34 ha land in Banisanta mouza has already approved by MoL. But for Polder-35/1, revised land acquisition proposal for 5.67 ha of land in Sharankhola mouza is under process due to recent river erosion & technical reason (shifting the alignment in the Sharankhola mouza in Bogi). Accordingly, LAP team has already been prepared a new LA proposal where it would be required around additional 1.26 ha of land. 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	884.97 (54.78%)	Persuasion going on with Aps to expedite the CUL payment.
2	33	Khulna	14.28	14.28	14.28	14.28	10.94 (27.09.17)	-	-	770.04	430.14 (55.85%)	Persuasion going on with Aps to expedite the CUL payment. MoL approved 3.34 ha newly proposed land on 13/01/19.
3	35/1	Bagerhat	41.29	40.03	30.17	30.17	30.17 (22.03.18)	09.86	-	4525.92	3018.74 (66.70%)	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 (9.86 ha)
4	35/3	Bagerhat	24.81	24.81	24.81	24.81	24.81 (08.11.17)	-	-	1510.51	970.98 (64.28%)	Persuasion to expedite the CUL payment to APs is going on.
Sub-Total =			131.03	129.77	119.91	119.91	116.57	09.86	-	8421.84	5304.83 (63%)	

3.1.11 Land Acquisition for Package-2

The land acquisition proposal for six polders under Package -2 has been submitted to concern DC (Pirojpur, Jhalokhati, Barguna and Patuakhali) for acquisition. In the meantime, 139.18 ha land has approved by MoL for polder 39/2C, 40/2, 41/1, 47/2 & 48. BWDB has been placed fund against CUL to DC, Barguna for Polder 39/2C (1 nos. of LA case), Polder-40/2 (2 nos. of L.A Cases) and Polder-41/1 (6 nos. L.A Cases). For Polder- 43/2C, issuance of notices U/S-4 for ten Mouzas have completed and waiting for issuance of notices U/S-4 for one Mouza only. For Polder-39/2C, preparation of estimate by DC office-Pirojpur (Pirojpur Portion) and Jhalokhati is under process. The status of land acquisition for Package-2 is furnished in the following Table 3-12.

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)	Approval status (ha)		Possession received(ha)	Pending of handover from DC to BWDB (ha)		Fund placed BDT in Lac	Payment of CUL by DC in BDT Lac	Remarks
					DLAC	MoL		DC	BWDB			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	39/2C	Pirojpur&Jhalokhati	116.09	116.09	116.09	115.95	-	116.09	--	46.16	--	Approved by MoL (06.12.2017). Notice u/s- 6 served & U/S-7 is Under process. Final estimate is ongoing and some are submitted
2	40/2	Barguna	12.45	12.45	12.45	11.67	-	12.45	0.15	396.99	--	Approved by MoL (13.03.2018) remain 0.78 ha pending for court Case. Issuance of notices U/S-7 is served for 2 mouza and from 2 mouza 1 mouza handed over by DC to BWDB and remaining 2 mouza fund placed for one and estimate is ongoing for another one.
3	41/1	Barguna	8.35	8.35	8.35	8.35	-	8.35	1.71	432.77	30.10	Approved by MoL (13.03.2018), Payment is ongoing for 6 mouza. three mouza Handover from Dc to BWDB (N.B. total 7 mouza)
4	43/2C	Patuakhali	14.66	14.66	14.66	--	--	14.66	-	--	--	DLAC (14.03.2018 & 10.09.18). 10 Mouza completed of issuance of notices U/S-4 and one Mouza waiting for issuance of notices U/S-4. two mouza send to MoL by DC for Approval. JVS is ongoing.
5	47/2	Patuakhali	2.31	2.31	2.31	2.31	--	2.31	-	--	--	Approved by MoL (05/04/2018). Notice U/S-6 is completed and Preparation of estimate is under process.
6	48	Patuakhali	0.90	0.90	0.90	0.90	--	0.90	-	--	--	Approved by MoL (9/7/18). Notice U/S-6 is completed and Preparation of estimate is under process
Total=			154.76	154.76	154.76	139.18	1.86	154.76	1.86	875.92	30.10	

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 **1777** entities are titled and **4757** are non-titled on Government land (squatters) which may fluctuate, 195 unit 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. 150 nos. of EPs have been reduced based on the recent survey & technical reason found out by the field verification of LAP/RAP team. The re-updated Resettlement Action Plan (RAP)-2 was submitted to World Bank in December 2018. 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	Tenants (GoB land)			Wage labours (GoB land)
				Commercial	Residential	Total	
39/2C	1,540	1489	53	31	6	37	28
40/2	1,910	200	1748	391	17	408	100
41/1	924	20	821	58	4	62	6
43/2	646	47	557	117	9	126	17
47/2	181	16	161	8	0	8	1
48	1,492	5	1417	196	27	223	234
Total=	6,693	1777	4757	801	63	864	386

Source: Updated IoL (June 2016 – January 2019)

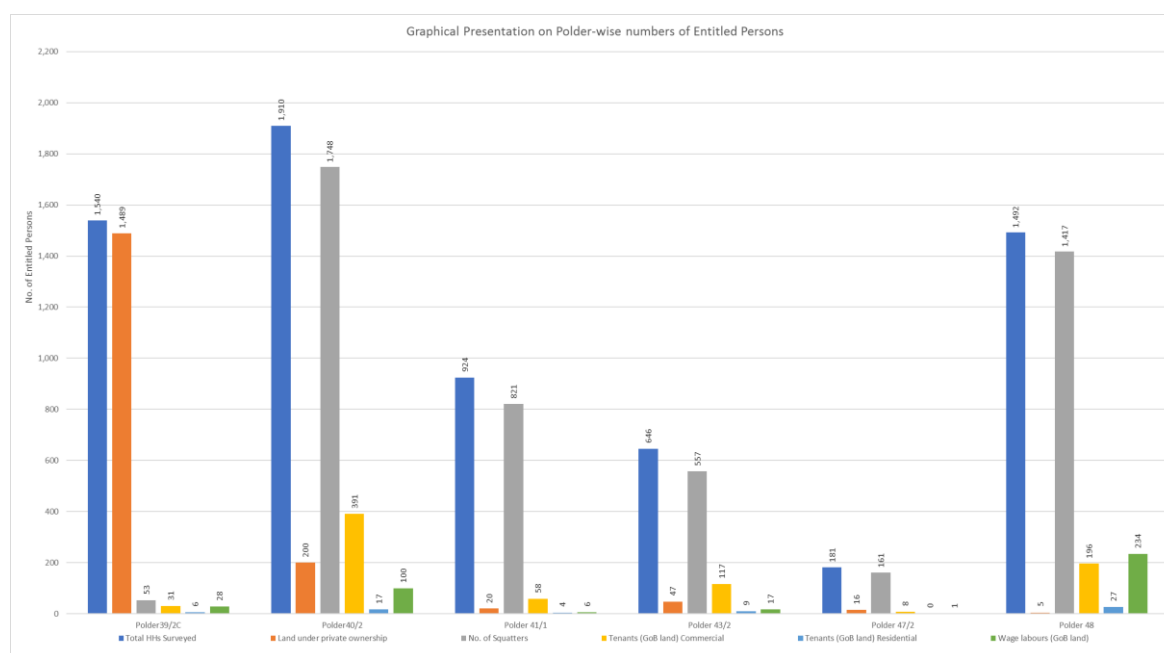


Figure 3-20: Graphical Presentation on Polder-wise numbers of Entitled Persons

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. The tenants and wage labours are not included in the current EP list. The Polder-wise status of ID cards is shown in Table 3-14 below.

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

Polder Nos.	Number of Non-Titled EPs.	Number of Photograph taken of the EPs.	Number of Accounts opened with Bank	Number of National ID cards procured	Number of UP certificate collection	Number of EP ID Cards prepared
1	2	3	4	5	6	7
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	557	545	545	545	545	545
47/2	161	156	156	156	156	156
48	1417	1,374	1,374	1,374	1,374	1,374
Total=	4757	4,596	4,596	4,596	4,596	4,596

Source: MIS and field-level information

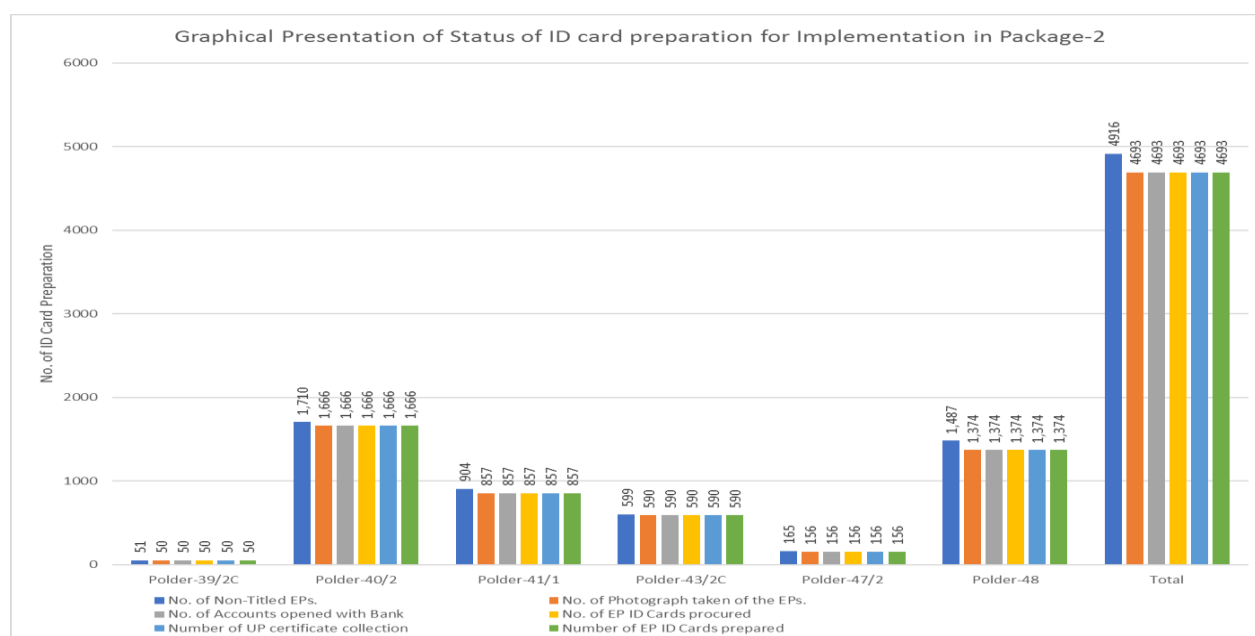


Figure 3-21: Status of ID Card Preparation for Implementation in Package-2

A total list of 2701 EP ID Cards have approved by the Project Director for issuance by the concern XEN. The polder wise EP ID Card lists is shown in table-1-14 above which all has sent to the concern XEN's for issuance. Thereafter, a total of 1909 EP ID cards have issued by the concerned XEN as stated in the following Table 3-15:

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

Polder No.	Number of EP Cards submitted to DDCS & PMS Consultants	Number of EP Cards verified by DDCS Consultant	Number of Cards approved by PD	List of EP ID Card approved date by PD and sent to XEN for issuance	Date of EP ID Card Submission to XEN for signature by RAP/LAP Team	Number of EP ID Cards Submitted to XEN for issuance	Number of EP ID Cards issued by XEN
0	1	2	3	4	5	6	7
39/2C	-	-					
40/2	496	496	496	16/7/17, 28/01/18	20/07/17, 06/03/18	496	385
41/1	218	218	218	16/7/17 22/10/17 20/08/18	20/07/17 07/12/17 13/09/18	218	181
43/2C	503	503	503	28/01/18 20/08/18	07/03/18 04/09/18	503	296
47/2	157	157	157	16/7/17, 28/01/18 20/08/18	06/08/17 07/03/18 04/08/18	157	157
48	1327	1327	1327	26/7/17 27/7/17 13/8/17 28/01/18 20/8/18	24/09/17 07/03/18 27/08/18	1327	890
Total=	2701	2701	2701			2701	1909

3.1.15 Payment & Resettlement Benefits for Package-2

A total of **1694** EPs were forwarded for payment of compensation/Resettlement benefits under first indent according to the policy of Resettlement Action Plan (RAP) out of which **1690** EPs have been received compensation under first indent. The detail of the issue is shown in Table 3-16 below:

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

Sl. No	Polder nos.	Status of First Indent forwarded for payment		Status of first indent payment	
		Nos. of EPs forwarded for payment	Total amount (BDT)	Nos. of EPs Paid	Amount Paid (BDT)
1	39/2C	-	-	-	-
2	40/2	387	3,70,10,767	384	36,897,026
3	41/1	181	1,93,78,736	180	19,374,367
4	43/2C	296	3,12,41,086	296	3,12,41,086
5	47/2	157	1,50,50,308	157	1,50,50,308
6	48	673	7,31,65,637	673	73,165,637
Total =		1,694	17,58,46,534	1,690	175,728,424

During the month of January 2019, the 2nd indent of compensation payment under package-2 to 480 nos. of EPs (332 nos. in Polder 40/2 and 148 nos. of Polder 41/1) was prepared by LAP/RAP Team and submitted to the Project Director, CEIP-1 through DDCS&PMS Consultant for review and approval. The said indent is under verification by PAVC at field level.

Another indent as 2nd indent (part-2) under package-2 to 277 nos. of non-title EPs (148 nos. in Polder 43/2C, 03 nos. in Polder 47/2 and 126 nos. in Polder 48) was also prepared by LAP/RAP Team and submitted to the Project Director for his review and approval. Thereafter PD has referred all the indents to the Executive Engineers of concerned O&M Division for their review, checking and verifications by PAVC.

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

Following the payment of compensation against the 1st indent the affected people started relocating their structures by their own choice. It was informed to Aps that the project will provide some support through civic amenities like construct entrance way, sanitary latrines and tube well etc for group relocation. BWDB concern and DDCS&PMS Consultants have been encouraging the AP for group relocation so that there will be little chance to come back on the embankment. **The progress has shown that a total 1574 has relocated till January 2019 where the progress for the month of January is reported as 333 nos.** The status of relocation has given below in Table 3-17 after payment of the first indent:

Table 3-17: Status of relocation in Package 2

Status of Relocation	Number of squatters relocated by Polders						
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48	Total	%
Relocated on own land	192	65	169	95	358	879	52.10
Relocated on purchased land	10	24	5	5	79	123	7.29
Relocated on relative & other's land	60	28	67	3	26	184	10.91
Relocated Temporarily at nearby area (Govt. Land)	65	44	50	45	184	388	23.00
Total Relocated-A	327	161	291	148	647	1574	93.30
Not yet relocated	57	15	5	9	26	109	6.46
Market Relocation	0	0	0	0	0	0	0.00
Group Relocation	0	4	0	0	0	4	0.24
Total Relocation-B	0	0	0	0	0	0	0.00
Total Relocation target (A+B) =	384	180	296	157	673	1690	100

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

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

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

Sl.No	Polder No.	Physical Displacement	Economical/Commercial Displacement	Total Displacement
1	40/2	340	44	384
2	41/1	148	32	180
3	43/2C	193	103	296
4	47/2	93	64	157
5	48	559	114	673
Total=		1333	357	1690

3.1.18 Relocation Status of Physical Displaced household in Package-2

It is evident from the majority of the displaced people (49.96%) relocated to self-managed land. It is very important that 8.78% people have been settled in purchased land and hope the group will be sustained. Only 7.95% people yet to manage any place/land for making shelter/house.

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

Status of relocation	Number of squatters relocated by Polders						
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48	Total	%
Relocated on own land	167	52	103	57	287	666	49.96
Relocated on purchased land	10	22	5	3	77	117	8.78
Relocated on relative & other's land	50	25	52	3	21	151	11.33
Relocated Temporarily at nearby area (Govt. Land)	58	30	28	25	148	289	21.68
Not yet relocated	55	15	5	5	26	106	7.95
Group Relocation	0	4	0	0	0	4	0.30
Total =	340	148	193	93	559	1333	100

3.1.19 Relocation Status of Economical / Commercial Displacement in Package-2

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

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

Status of relocation	Number of squatters relocated by Polders						
	Polder 40/2	Polder 41/1	Polder 43/2C	Polder 47/2	Polder 48	Total	%
Relocated on own land	22	12	66	38	71	209	58.54
Relocated on purchased land		2		2	2	6	1.68
Relocated on relative & other's land	10	3	15	0	5	33	9.24
Relocated Temporarily at nearby area (Govt. Land)	7	14	22	20	36	99	27.73
Not yet relocated	5	1		4	0	10	2.80
Group Relocation						0	0.00
Total =	44	32	103	64	114	357	100

3.1.20 Grievance Redress Mechanism (GRM)

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

Table 3-21: Organogram of GRC

Concern Executive Engineer, CEIP-1, BWDB,	Convenor
UP Representative	Member
Representative of Educational Institution	Member
Representative of Women Local Group	Member
Representative of PAP Group	Member
Representative of IA/LAP-RAP Team	Member Secretary

A total number of 45 complaints/grievances have been received so far up to January 2019 by GRC. All these 45 cases are pending for investigation and formal hearing by GRC. Table 3-22 shows the status of complaints/cases received & resolved by GRC.

Table 3-22: The status of complaints/cases received and resolved by GRC

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

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

3.1.21 Focus Group Discussion for Package-2

Focus Groups (FG) formation was targeted based on the number of HHs in the respective Polders. According to the plan 227 numbers of focus group were formed in 6 Polders under Package-2. A total of 994 focus group meetings have been held with resolution. Some of the groups have been met twice or more. The table here below shows the status of formation and number of discussions or meetings held.

Table 3-23: Status on FGDs as of January 2019

Polder No.	FGD Target	FGD Formation	FGD Meeting	During January 2019	Total Achievement
1	2	3	4	5	4+5=6
39/2C	32	32	74	0	74
40/2	57	57	222	0	222
41/1	38	38	183	0	183
43/2C	31	31	181	9	190
47/2	09	09	64	5	69
48	60	60	256	0	256
Total =	227	227	980	14	994

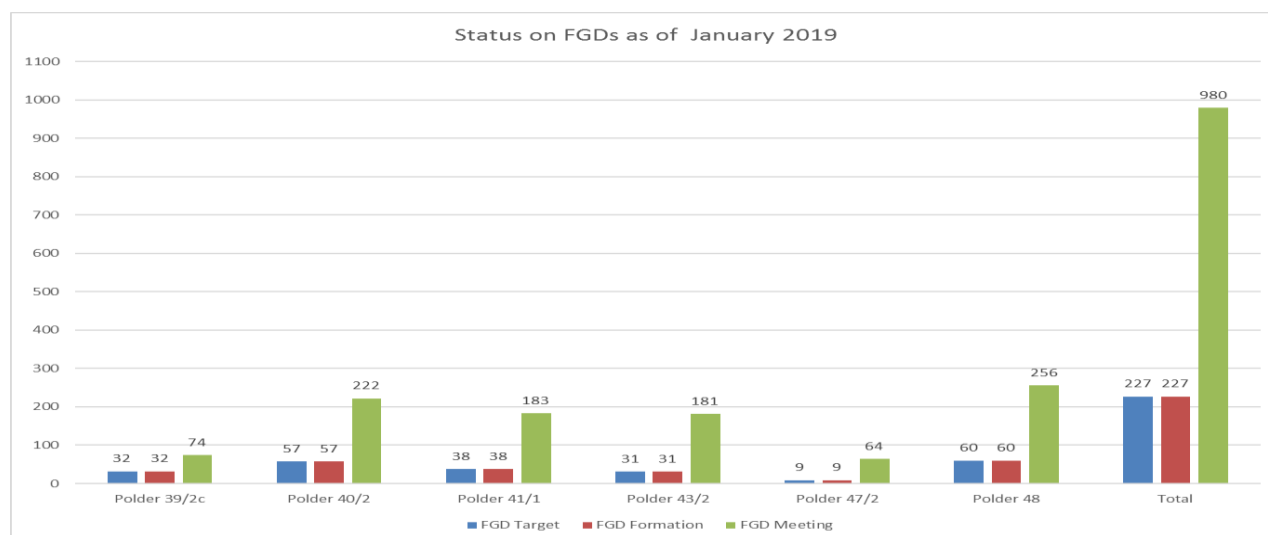


Figure 3-22: Status on FGDs as of January 2019

3.1.22 Distribution of Information Brochure and GRM Leaflet of Package-2

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

3.1.23 Database Preparation of Package-2

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

3.1.24 Formation of PAVC & GRC Committee Package-2

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

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

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

Polder No.	Formation of PAVC Committee by PD (Date)	PAVC meeting date for fixation of rate	Number of Meeting	Status of Rate Fixation	Approval by BWDB
1	2	3	4	5	6
39/2C	5/10/17, 5/10/17 (Pirojpur & Jhalokathi)	0	0	0	0
40/2	27/3/17	29/11/17, 24/01/18,26/04/18	3	Rate fixed	Approved
41/1	27/3/17	29/11/17, 24/01/18,26/24/18	3	Rate fixed	Approved
43/2C	11/6/17	18/02/18,7/5/18	2	Rate fixed	Approved
47/2	17/5/17	20/9/17, 3/12/17	2	Rate fixed	Approved
48	17/5/17	20/9/17, 3/12/17	2	Rate fixed	Approved

3.1.25 Video Filming of Affected Properties for GRC and PRAC

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

3.1.26 Devised ID number of the Non-Titled EPs

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

3.1.27 Preparation of EIA

The EIA of 4 Polders under Package-1 were completed during the study period and duly been approved by the competent authorities including World Bank. The said EIA reports were updated based on final Land Acquisition Plan (LAP) which were also approved by the competent authorities including World Bank. The said EIA reports are being under implementation in Package-1.

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

3.2.1 Data processing & reviewing the shop drawings

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

3.2.2 Design status

The status of the designs is presented below.

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

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

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

Notes:

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

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

3.3.1 Design

The Design Parameters were obtained from IWM in the month of March 2018 which were concurred by the Superintending Engineer, Design Circle-5 in the month of September 2018. By this time, the Design of Embankments of 7 Polders and Drainage Cum Flushing Sluices have been prepared and submitted to the Design Circle-5 BWDB, Dhaka for approval. The remaining designs are under preparation.

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

Sl No.	Polder	Embankment (Km)			Drainage Channel (Km)			Drainage Sluice (No.)			Flushing Sluice (No.)		
		Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement	
			Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved		Design Prepared	Design Approved
1	14/1	31.25	31.25	31.25	13.23	0	0	5	0	0	4	0	0
2	15	30.78	30.78	0	15.44	0	0	4	0	0	4	0	0
3	16	44.75	44.75	0	47.90	0	0	15	1	0	10	0	0
4	17/1	38.50	38.50	0	35.80	0	0	10	1	1	0	0	0
5	17/2	11.00	11.00	0	12.40	0	0	3	1	1	0	0	0
6	23	36.70	36.70	0	31.50	0	0	12	0	0	12	0	0
7	34/3	17.00	17.00	17.00	11.10	0	0	3	1	0	6	0	0
Total =		209.98	209.98	48.25	167.37	0	0	52	4	2	36	0	0

Sl No.	Polder	River Bank Protection Works (Km)			Embankment Slope Protection Works (Km)			Gatest & Hoists ***						
		Target	Achievement		Target	Achievement		Drainage Sluice (No.)			Flushing Sluice (No.)			
			Design Prepared	Design Approved		Design Prepared	Design Approved	Target	Achievement		Target	Achievement		
						Target	Design Prepared	Design Approved	Target	Design Prepared	Design Approved	Target	Design Prepared	Design Approved
1	14/1	1.00	0	0	6.86	0	0	1	0	0	1	0	0	
2	15	0.10	0	0	4.44	0	0	1	0	0	1	0	0	
3	16	0.30	0	0	1.00	0	0	1	0	0	1	0	0	
4	17/1	0.00	0	0	0.00	0	0	1	0	0	0	0	0	
5	17/2	0.25	0	0	0.00	0	0	1	0	0	0	0	0	
6	23	0.00	0	0	3.00	0	0	1	0	0	1	0	0	
7	34/3	0.00	0	0	0.00	0	0	1	0	0	1	0	0	
Total =		1.65	0.00	0.00	15.30	0.00	0.00	7.00	0.00	0.00	5.00	0.00	0.00	

3.3.2 Bidding Document

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

3.3.3 RAP Preparation for Package-3

After the accomplishment of the map of alignment fixing by the concern of BWDB and Consultants, the LAP/RAP team has completed the Household (HH) numbering and IoL survey have done in all seven Polders (Polder-14/1, 15, 16, 17/1, 17/2, 23 and 34/3) under Package-3, CEIP-1. A total of 20 community consultation meetings were conducted in 15 different locations in all Polders of Package-3. Resettlement Action Plan (RAP) is ongoing and hopefully the RAP-3 will be submitted soon.

3.3.4 LAP Preparation for Package-3

The LAP/RAP team has been working for finalization of Land Acquisition Plan and Resettlement Action Plan in Package-3 under CEIP-1. The LAP/RAP team has collected records and information on previously acquired land for seven Polders (Polder-14/1, 15, 16, 17/1, 17/2, 23 and 34/3) from concerned O&M Divisions of BWDB and the concerned DC offices (Khulna, Shatkira and Bagerhat). Mouza Maps have also been collected from the office of Director, Land Records, Tejgaon, Dhaka and the DC office Khulna, Shatkira and Bagerhat. Almost all Mouza Maps of seven Polders have since been procured. In the meantime, LAP/RAP team has submitted the draft LAP for all polders to XEN, CEIP-1, Khulna through DDCS & PMS Consultant and PD office for checking & verifying as per Terms of Reference (ToR) of Acquisition & Requisition of Immovable Property Act 2017. The XEN, BWDB, CEIP-1 Khulna issued a letter for some queries on LAPs and LAP/RAP team is working on the requirements. The progress of package-3 is shown below:

Table 3-27: Update Status of Package-3

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

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

3.4.1 Introduction

The Progress report covers the events up to 31 January 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 26th January 2016.

The contractor submitted the administrative work and has affected necessary site visit to establish the dossier for 5% advance Payment and take possession for sites. Contractor has received the full advance payment and first instalment has been spent to purchase machineries and equipment in China; Chinese engineers and supporting personnel have mobilized and the same is true for the recruitment of local labour; facilities and buildings (some completed) are under construction now. Total expenditure incurred up to IPC-15 is BDT 3,413.58 million. The value of the IPC-15 is BDT 256.33 million. Construction of 25 nos. drainage sluices out of 39 nos. has already been completed, 13 nos. drainage sluices are going on. Out of 41 nos. Flashing Sluices 18 nos. have been completed, 10 nos. are in progress and 13 nos. are not yet started. Embankment works of different Polders are (completed 105 km and partially completed 51.31 km) also going on. Construction of C.C blocks are going on for the bank/slope protection work.

3.4.2 Staffing

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

Table 3-28: List of Polder-wise Manpower Deployed to Site of Package-1

SN	Description	Sub-Total		Khulna		Polder 32		Polder 33		Polder 35/1		Polder 35/3	
		Ex.	Lo.	Ex.	Lo.	Ex.	Lo.	Ex.	Lo.	Ex.	Lo.	Ex.	Lo.
1	Management	10	0	1	0	3	0	1	0	4	0	1	0
2	Technical Staff	59	63	17	7	13	14	10	11	13	21	6	10
3	Operator/ Driver	11	239	0	2	0	49	2	46	7	76	2	66
4	Skilled Worker	27	173	0	4	5	25	6	76	12	38	4	30
5	Common Labor	3	518	0	4	0	88	3	120	0	231	0	75
6	Logistic	9	22	1	2	4	10	1	4	2	2	1	4
Total		119	1015	19	19	25	186	23	257	38	368	14	185

Source by Contractor

3.4.3 Equipment Mobilization

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

Table 3-29: List of Equipment

Name of Polder	Equipment required													Equipment already deployed										
	B.dozer/S.F roller/ Compactor (150HP) (nos.)	Dum Truck and carry Scaper	Excavator	Concrete Mix Machine	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader	B.dozer/S.F roller/ Compactor (150HP) (nos.)	Dum Truck /Carry Scaper/ Tractor carrier	Excavator	Concrete Mix Machine/Trans it mixer	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Polder- 32	6	23	13	6	4	1	2	2	1	1	6	3	1+2+0	15+5+38	9	6	4	1	2	0	1	1	2	3
Polder- 33	5	17	11	12	10	2	1	1	1	1	6	2	3+0+0	10+5+36	10	6	1	1	1	1	1	1	2	2
Polder- 35/3	5	16	9	7	5	1	1	1	1	1	4	6	6+2+0	12+5+22	11	7	6	1	1	1	1	2	6	6
Polder- 35/1	12	48	23	15	9	2	3	3	1	1	8	3	15+0+5	32+3+25	15	18	5	1	2	2	1	1	4	6
Total	28	104	56	40	28	6	7	7	4	4	24	14	25+4+5 =34	63+18+121 =202	45	37	16	4	6	4	4	4	10	17

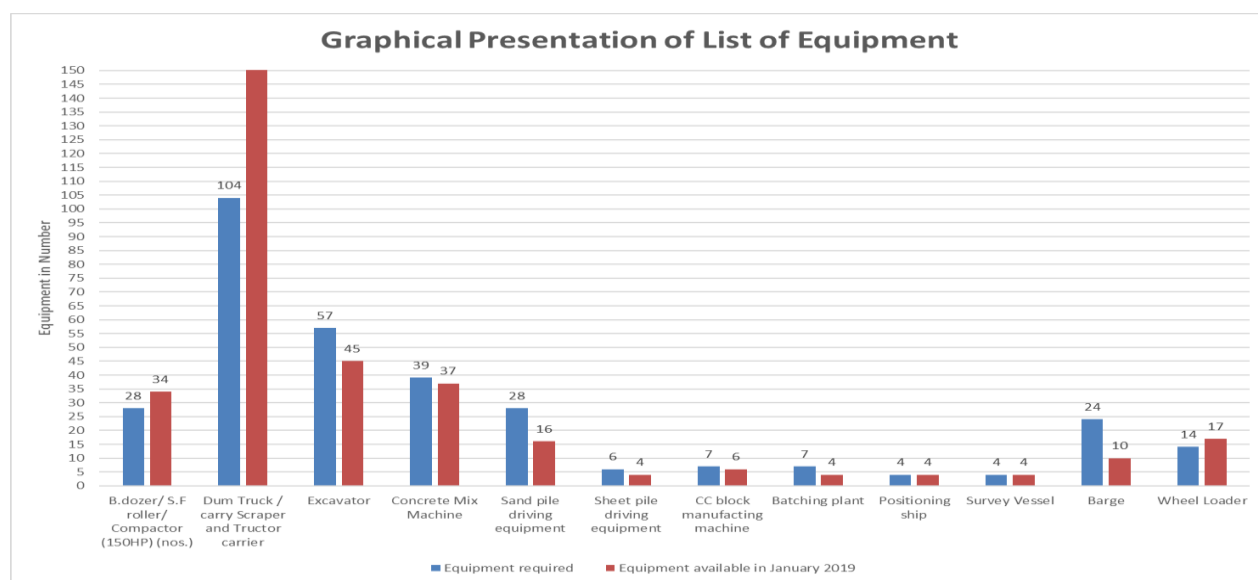


Figure 3-23: Graphical Presentation of List of Equipment Contractor of Package-1

3.4.4 Finances of Contractor Package-1

Contract modifications Variation Order No.2 for using CC blocks instead of hard rock has been agreed upon and materialised.

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

IPC No.	Month of Submission	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-17	Feb. 2019	259,251,532.92	
IPC-18	Mar. 2019	255,766,969.30	
IPC-19	Apr. 2019	453,144,934.37	
IPC-20	May. 2019	453,144,934.37	
IPC-21	Jun. 2019	585,558,351.72	
Total		2,655,692,467.71	

3.4.6 Physical Progress (Mile Stone Matrix)

Table 3-31: Physical Works of Package-1 as on 31 January 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	203.90 *	110.00	0.00	44.95 (22%)	101.97	60.05	51.31 (30%)	105.00 (51.49%)	51.31 (30%)
Drainage Channel Excavation/Re-excavation	km	151.21 *	101.00	0.00	29.60 (17%)	0.00	0.00	0.00	29.60 (17%)	0.00
Drainage Sluice Construction	no	39	19.00	0.00	25 (64%)	13	0	13 (88.26%)	25 (64%)	13 (88.26%)
Drainage Sluice Repair	no	2	2	0.00	0	2	0	2 (57.75%)	0	2 (57.75%)
Flushing Inlet Construction	no	41	22	0.00	18 (44%)	10	0	10 (77.77%)	18 (44%)	10 (77.77%)
Flushing Inlet Repair	no	16	30	0.00	0	12	3	9 (37.58%)	3 (18.75)	9 (37.58%)
Embankment Slope Protection Work	km	21.98	10.00	0.00	3.74 (17%)	-	2.05	-	5.790 (26.35%)	-
River Bank Protection Work	km	4.45	1.80	0.00	2.926 (64%)	-	0.414	-	3.34 (75.06%)	-
Closure Dam Construction	no	1	1	0.00	-	1	-	40% of the foundation works	-	40% of the foundation works

* The quantity has been adjusted as compared to the previous MPR based on the recalculation. The values were 204.50 Km and 175.21 Km respectively.

Table 3-32: Detailed information of Construction Status of Drainage Sluices of Package-1

Drainage Sluices	Preparation cofferdam- excavation- dewatering	Foundation sand piling - Sheetpiles	Structure concreting work	Installation CC block placing - Gate	Weighted % progress	Remarks
1	2	3	4	5	6	7
Polder 32						
DS-1	100%	100%	100%	100%	100%	Sluice in operation.
DS-2	100%	100%	100%	100%	100%	Sluice in operation.
DS-7	100%	100%	100%	100%	100%	
DS-8	100%	100%	100%	100%	100%	
DS-9	100%	100%	100%	100%	100%	
DS-10	100%	100%	65%		66%	
DS-11	100%	50%			20%	
DS-16	100%	100%	100%	100%	100%	Sluice in operation.
Polder 33						
DS-1	100%	100%	100%	100%	100%	Gate installed.
DS-2	100%	100%	100%	100%	100%	Gate installed.
DS-3	100%	100%	100%	100%	100%	Gate installed.
DS-4	100%	100%	100%	100%	100%	Gate installed.
DS-6	90%				9%	Cofferdam not done as per specification and approved shop drawing.
DS-7	100%	100%	100%	100%	100%	Gate installed.
DS-8	100%	100%	100%	100%	100%	Gate installed.
DS-9	100%	100%	100%	100%	100%	Gate installed.
DS-10	80%				8%	Construction of cofferdam completed.
DS-11	100%	100%	100%	100%	100%	Gate installed.
DS-12	100%	100%	100%	100%	100%	Gate installed.
DS-13	100%	100%	100%	100%	100%	Gate installed.
Polder 35/1						
DS-1	100%	100%	100%	10%	87%	Work in progress
DS-2	100%	100%	100%	10%	87%	Gate Installed but not commissioned.
DS-4	100%	100%	100%	30%	90%	Gate Installed but not commissioned.
DS-5	100%	100%	100%	100%	100%	Gate Installed but not commissioned.
DS-6	100%	100%	100%	100%	100%	Gate Installed but not commissioned.
DS-7	100%	100%	100%	100%	100%	Gate Installed but not commissioned.
DS-8	100%	100%	100%	100%	100%	Gate Installed but not commissioned.
DS-11	100%	100%	70%		69%	Work in progress.
DS-12	100%	100%	100%	80%	97%	Work in progress.
DS-13	60%	100%	30%		43%	Work in progress.
DS-14	90%	40%			17%	Work in progress.
DS-15	90%	100%	80%		73%	Work in Progress.
DS-16	100%	100%	100%	10%	87%	Work in progress.
DS-17	100%	100%	100%	100%	100%	Gate Installed but not commissioned.
DS-18	0%	0%	0%	0%	0%	DS-18, Suspended due to vulnerable situation of Baleshor River from November, 2016
Polder 35/3						
DS-1	100%	100%	100%	100%	100%	Gate installed.
DS-2	100%	100%	100%	100%	100%	Sluice in operation.
DS-3	100%	100%	100%	100%	100%	Gate installed.
DS-4	100%	100%	100%	100%	100%	Gate not installed.
Overall progress						
Total amount	97.63%	91.84%	85.39%	69.47%	Total BDT	
Total amount	96,668,711	90,091,894	335,591,305	77,468,045	599,819,955	
Completed amount	94,379,189	82,742,292	286,577,312	53,819,905	517,518,698	

Table 3-33: Detailed Information of Construction Status of Flushing Sluices of Package-1

Flushing Sluices	Preparation cofferdam-excavation-dewatering	Foundation sand piling - Sheetpiles	Structure concreting work	Installation CC block placing - Gate	Weighted % progress	Remarks
1	2	3	4	5	6	
Polder 32						
FS - 3					0%	Chairman applied for shifting to FS-4, which is not possible as there is no land aquisition and hence it is dropped.
D-10	30%				3%	Construction of cofferdam started but suddenly stopped by contractor.
Polder 33						
FS - 1					0%	Contractor not yet started work.
FS - 3					0%	Contractor not yet started work.
FS - 5	100%	80%			26%	Work in Progress.
FS - 6	90%	10%			11%	Work in Progress.
FS - 8	100%	25%			15%	Work in Progress.
FS - 9	100%	100%	100%	100%	100%	Gate installed.
FS - 10					0%	Land acquisition problem.
FS - 11					0%	Work not yet started.
FS - 14					0%	No needed.
FS - 15					0%	Structure is in good condition as such converted to repair. Design data submitted for repair work.
FS - 17	100%	100%	100%	100%	100%	Gate installed.
FS-19					0%	No needed.
Polder 35/1						
FS - 1	100%	100%	100%	100%	100%	Gate installed but not commisioned.
FS - 2	100%	100%	100%	100%	100%	Gate installed but not commisioned.
FS - 4	100%	100%	100%	90%	99%	Gate installed but not commisioned.
FS - 5	100%	100%	100%	100%	100%	Gate installed but not commisioned.
FS - 6					0%	Dropped
FS - 7	100%	100%	100%	100%	100%	Gate installed but not commisioned.
FS - 12	100%	100%	100%	100%	100%	Gate installed but not commisioned.
FS - 13	100%	100%	100%	100%	100%	Gate installed but not commisioned.
FS - 14					0%	Dropped
FS - 15					0%	Dropped
FS - 16	100%	100%	100%	80%	97%	Gate installed but not commisioned.
FS - 17	100%	100%	100%	100%	100%	Gate to be installed
FS - 18	90%	50%			19%	sand piling is in progress, Payment of houses to be need to house owner(Quarters)
FS - 19	90%	100%	5%		32%	Work in Progress, Payment of houses to be need to house owner(Quarters)
FS - 21					0%	The local farmer and UP Member demanded new sluice by their letter dated 10.12.2018.Land issues for diversion channel at R/S & decision of compenent authority needs to receive for construction of FS-21.
FS - 22	90%	30%			15%	Sand piling is stopped for disturbance of Auto Machine, Payment of houses to be need to house owner (Quarters).
FS - 23					0%	Dropped
Polder 35/3						
FS - 1	100%	40%			18%	Work in Progress.
FS - 3	100%	100%	100%	100%	100%	Gate installed.
FS - 4	100%	100%	100%	100%	100%	Gate installed.
FS - 5	100%	100%	70%		69%	Work in Progress.
FS - 6	100%	100%	100%	100%	100%	Gate installed.
FS - 8	100%	100%	100%	100%	100%	Gate installed.
FS - 9	100%	100%	100%	100%	100%	Sluice in operation.
FS - 10	100%	100%	100%	100%	100%	Gate installed.
FS - 13	100%	100%	100%	100%	100%	Gate installed.
FS - 14	100%	100%			30%	Work in Progress.
Overall p	84.06%	72.97%	58.59%	55.31%	Total BDT	
Total amo	67,560,986	64,776,251	170,654,324	38,086,066	341,077,627	
Completed	56,793,454	47,266,421	99,992,768	21,066,355	225,118,998	

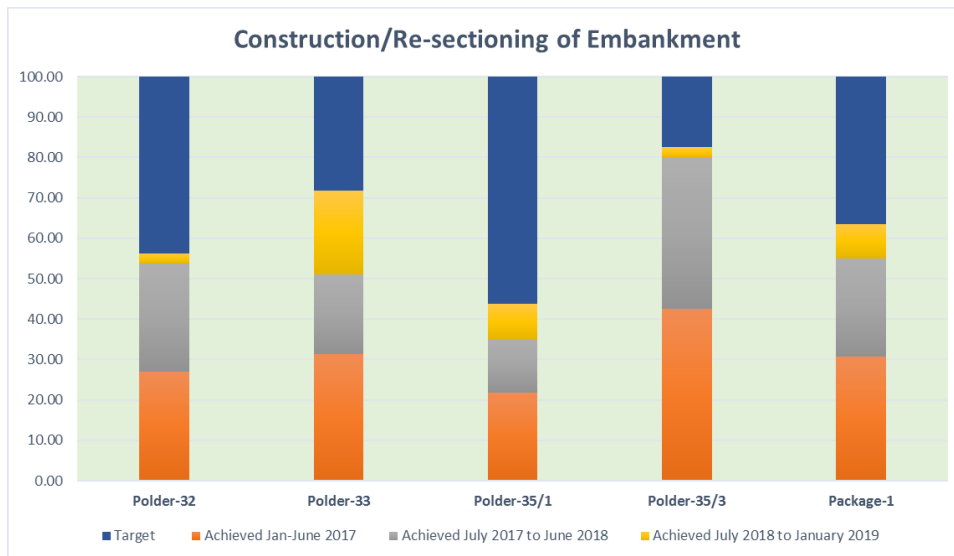


Figure 3-25: Construction/Re-sectioning of Embankment of Package-1

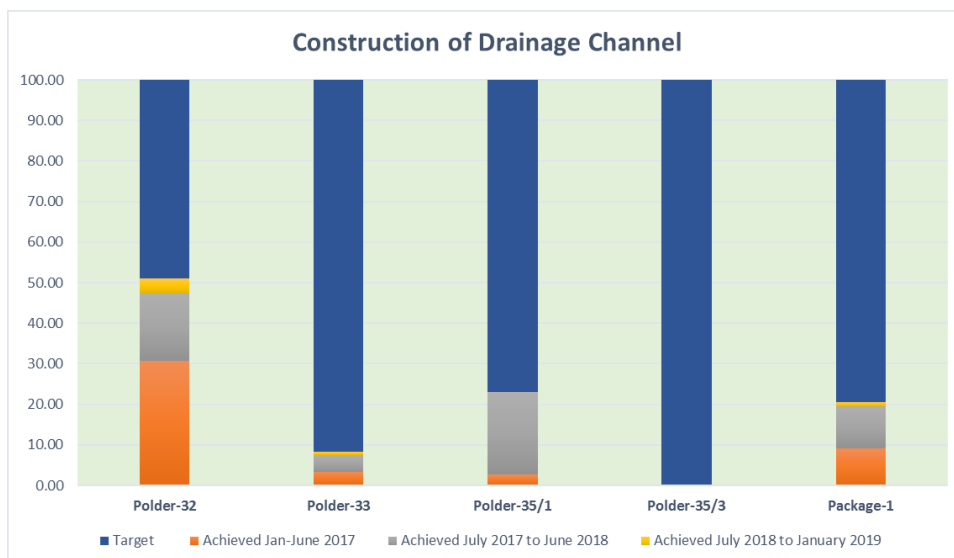


Figure 3-26: Drainage Channel of Package-1

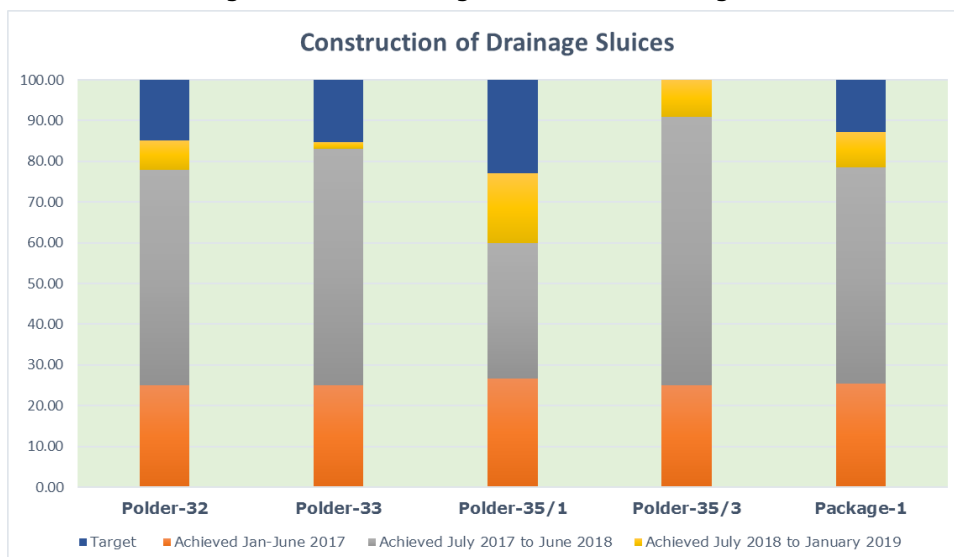


Figure 3-27: Construction of Drainage Sluices of Package-1

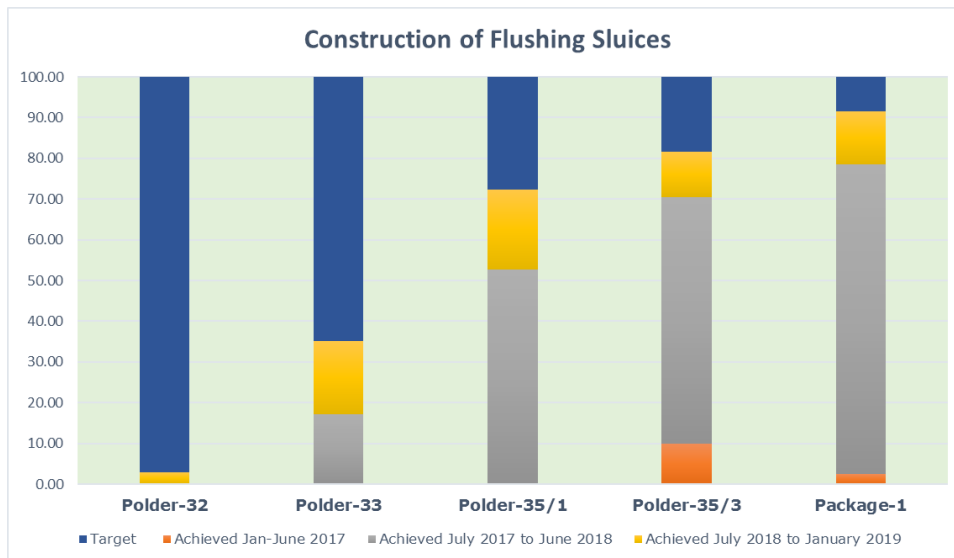


Figure 3-28: Construction of Flushing Sluice of Package-1

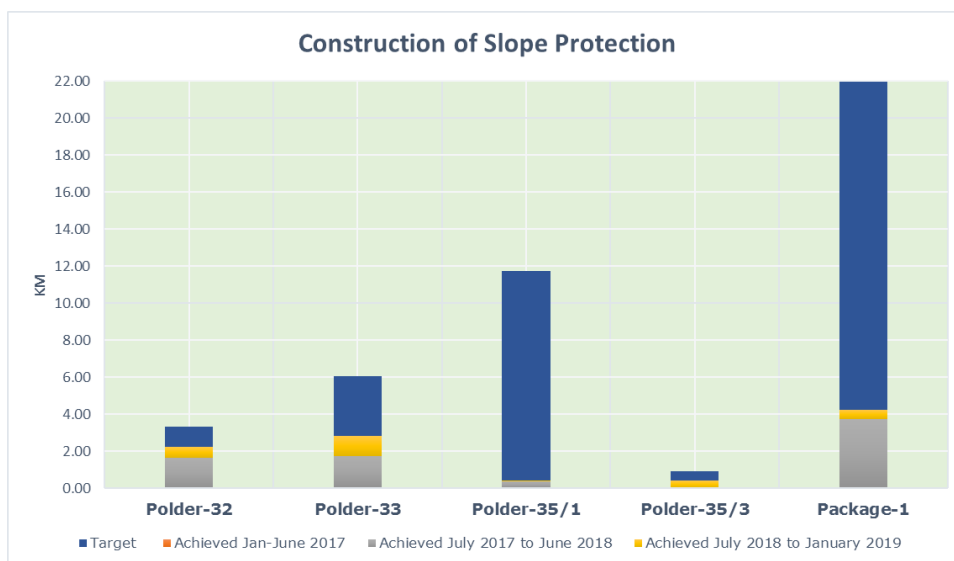


Figure 3-29: Construction of Slope Protection of Package-1

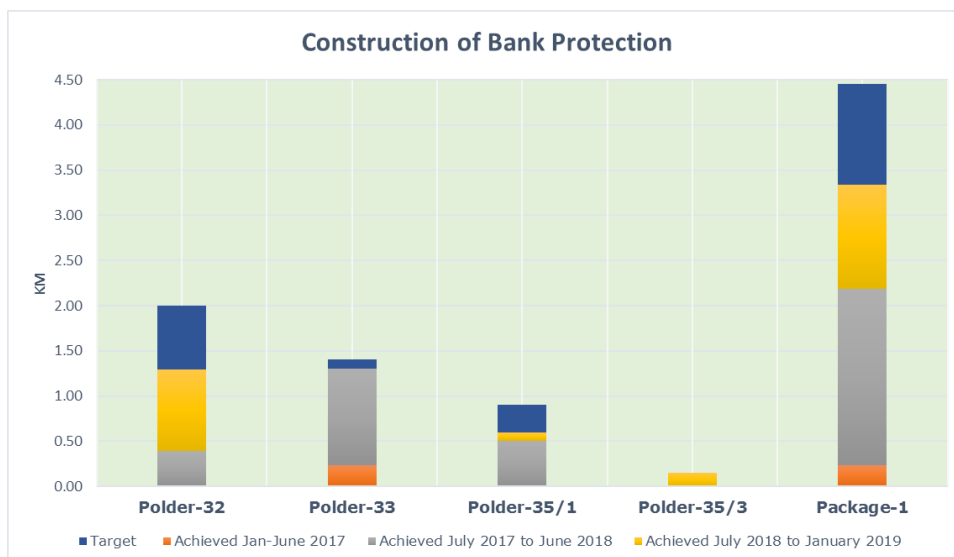


Figure 3-30: Construction of Bank Protection of Package-1

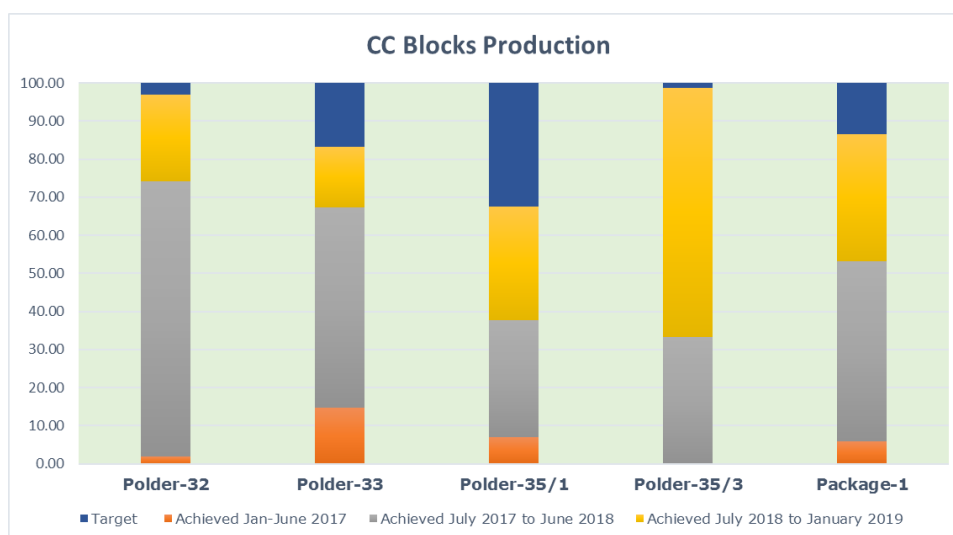


Figure 3-31: CC Blocks Production of Package-1

Table 3-34: Progress as on January 2019

Item	Unit	Contract Quantity	Status 31 January 2019
Construction/Re-sectioning of Embankment	Km	203.90	105.00 (F) 51.31 (P)
Excavation/Re-excavation of Drainage Channel	Km	153.21	29.60 (F)
Construction of Drainage Sluice	No	39	25 (F) 13 (P)
Repairing of Drainage Sluice	No	2	2 (p)
Construction of Flushing Inlets	No	41	18 (F) 10 (P)
Repairing of Flushing Inlets	No	16	3 (F) 09 (p)
Embankment Slope Protection Works (Km)	Km	21.98	5.790
River Bank Protection Works (Km)	Km	4.45	3.340
Construction of Closure-Dam	No	1	Progress 40% of foundation work

Table 3-35: CC Blocks Production as on January 2019

S.N.	Polder Number	Estimated Quantity As per Variation Order No. 2 (Updated)	Cumulative Total as of 31 Dec 2016	Cumulative Total as of 31 August 2017	Cumulative Total as of 31 December 2018	Production during January 2019					Cumulative Total as of 31 January 2019
						40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	Total (No)	
1	32	1,918,026	21,223	304,899	1,801,411	13,195	0	6,859	0	20,054	1,821,465
2	33	1,619,763	59,088	377,958	1,100,967	0	8,963	0	0	8,963	1,109,930
2	35/1	3,628,073	37,398	372,432	2,011,332	-885	172,926	28,834	-13,837	187,038	2,198,370
3	35/3	220,567	60,620	369,555	203,829	0	-254	0	13837	13,583	217,412
	Total =	7,386,429	178,329	1,424,844	5,117,539	12,310	181,635	35,693	0	229,638	5,347,177

Note: Some sizes of CC Blocks (-) shifted other polders.

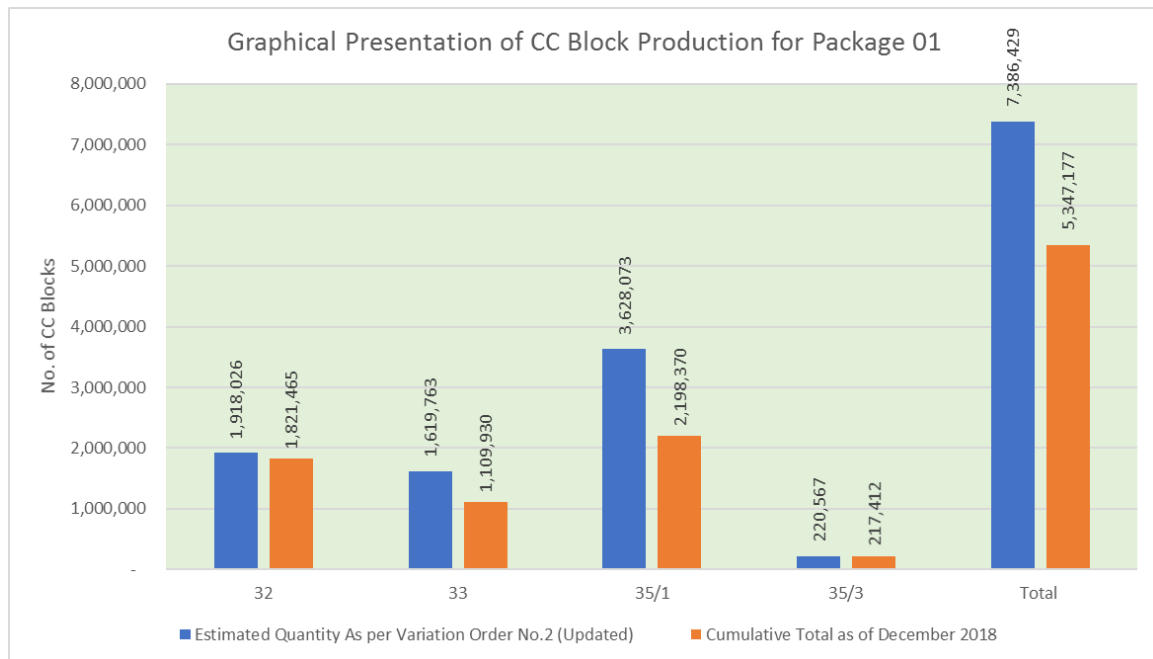


Figure 3-32: Graphical Presentation of CC Block Production for Package-1



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



Figure 3-34: DS-7 of Polder-33



Figure 3-35: DS-13 of Polder-33



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



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



Figure 3-38: DS-12 of Polder-33



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



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



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



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



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



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



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



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

Total nos. of Flushing sluice to be repaired as per contract was 30 nos. out of which 14 nos. has been dropped those are reflected in detailed in Table 3-36 and Table 3-37 below:

Table 3-36: Information of Repair of Flushing Sluices and Drainage Sluices

SI No.	Name of Polder	Total Nos. as per Contract	Current Status	Total Dropped	Remarks
01.	Polder-32	20 nos.	10 Nos.	10 Nos.	Mostly fallen outside of the retired embankment.
02.	Polder-33	5 Nos.	2 Nos.	3 Nos.	As it has been constructed by the local shrimp culture owners,
03.	Polder-35/1	3 Nos.	2 Nos.	1 No.	Due to unrepairable
04.	Polder-35/3	2 Nos.	2 Nos.	0	-
Total =		30 Nos.	16 Nos.	14 Nos.	

Remaining (30-14) = 16 nos. are in the program out of which 3 nos. have been completed and 9 nos. are in progress and remaining 4 nos. 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 almost completed.

Table 3-37: List of Flushing Sluices Dropped from the repairing Program

Flushing Sluices	Reasons for dropping
Polder 32	
FM-12	Sluice could not be identified.
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.
FO-02	Outside the Rtd. Embankment
FO-04	Outside the Rtd. Embankment
FO-05	Outside the Rtd. Embankment
FO-06	Outside the Rtd. Embankment
FH-9	Engulf due of river erosion.
Polder 33	
FS-02	Private structure, repair not needed.
FS-12	Private structure, repair not needed.
FS-18	Private structure, repair not needed.
Polder-35/1	
FS-20	Not repairable

3.4.7 Emergency Works in Package-CEIP-1/W-01

The emergency works under this Package have taken up to close the breaching of existing embankment at some vulnerable locations. The main target of these emergency works was to stop the intrusion of saline water into the Polders to save the crops. In the Contract, there was a provision for an amount under Environmental Mitigation Works (Specified Provisional Sum). After exhaustion of the above-mentioned amount to meet up the cost of the rest emergency works, the expenditures are being meet up from the Physical & Price Contingencies. The status of expenditure up to January 2019 are shown below:

Table 3-38: Summary of Emergency works under the head of "Environmental Mitigation Works"

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

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

Table 3-39: Summary of Emergency works under the head of "Physical & Price Contingency"

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

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

Table 3-40: Details of Emergency Works under the head of “Environmental Mitigation Works”

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
1	Polder-32	2.883	3.144	0.261	Gunari of Sutharkhali	20-Mar-16	972,969.00	Environmental Mitigation Works	FY 2015-16
2	Polder-32	7.561	7.991	0.430	Kalibari	14-Mar-16	1,307,000.00	Do	FY 2015-16
3	Polder-32	8.161	8.350	0.189	Kalibari	14-Mar-16	614,000.00	Do	FY 2015-16
4	Polder-32	8.491	8.628	0.137	Kalibari	14-Mar-16	1,009,000.00	Do	FY 2015-16
5	Polder-32	7.681	7.981	0.300	Sutarkhali	7-May-17	1,433,223.43	Do	FY 2016-17
6	Polder-32	8.030	8.160	0.130	Sutarkhali	5-Jun-17	639,091.00	Do	FY 2016-17
7	Polder-32	8.164	8.292	0.128	Sutarkhali	16-Apr-17	811,931.00	Do	FY 2016-17
8	Polder-32	8.140	8.217	0.077	Kalibari	22-Jan-17	256,000.00	Do	FY 2016-17
9	Polder-32	8.566	8.649	0.083	Sutarkhali	16-May-17	619,153.00	Do	FY 2016-17
10	Polder-32	12.393	12.693	0.300	Jaynagar	23-Mar-16	1,027,000.00	Do	FY 2015-16
11	Polder-32	18.575	18.690	0.115	Hatkhola	20-Apr-16	817,000.00	Do	FY 2015-16
12	Polder-32	16.680	16.900	0.220	Jhaliakhali of Kamarkhola	23-Mar-16	608,000.00	Do	FY 2015-16
13	Polder-32	18.840	19.960	1.120	Hatkhola	3-Mar-16	817,000.00	Do	FY 2015-16
14	Polder-32	19.179	19.236	0.057	Kamarkhola	24-Apr-17	460,436.32	Do	FY 2016-17
15	Polder-32	30.050	30.148	0.098	Sutarkhali	22-Jun-17	7,702,000.00	Do	FY 2016-17

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

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

Sl. No.	Polder No.	Chainage		Total Length (Km)	Name of locations	Date of Approval by the Engineer	Estimated Cost in BDT	Head of Expenditure	FY Year
		From	To						
32	Polder-35/1	24.673	24.864	0.191	Bogi	19-Jun-17	2,080,957.39	Do	FY 2016-17
33	Polder-35/1	63.050	63.106	0.056	Morelgonj	1-Mar-16	1,317,000.00	Do	FY 2015-16
34	Polder-35/1	63.112	63.128	0.016	Same as 63.050 to 63.106	1-Mar-16	0.00	Do	FY 2015-16
35	Polder-35/3	3.394	3.494	0.100	MollikerBer	27-Apr-17	418,530.02	Do	FY 2016-17
36	Polder-35/3	7.176	7.905	0.729	Panchamala of Dema	22-Mar-16	533,000.00	Do	FY 2016-17
37	Polder-35/3	9.558	9.597	0.039	Panchamala of Dema	22-Mar-16	23,000.00	Do	FY 2016-17
38	Polder-35/3	9.815	9.887	0.072	Panchamala of Dema	22-Mar-16	34,000.00	Do	FY 2016-17
39	Polder-35/3	29.865	29.965	0.100	Radhaballab	27-Mar-16	1,070,000.00	Do	FY 2015-16
Total		39	39	7.62			39,991,142		

Table 3-41: 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

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

3.4.8 Improvement of EHS Compliance

According to the contractor, Package-1, the following EHS activities have been carried out, along with other for improvement of EHS issues during the month of January, 2019:

EHS improvement in Rupsha CC manufacturing plant, Polder-32

- Improvement of industrial waste storage area along with erecting signboard
- Monitoring of noise and keeping records
- Regular dust management by spraying of water
- Updating of first aid box with required medicine
- Regular provision of safe drinking water to workers
- Holding regular Tool box talk with workers for EHS improvement
- Regular training of workers for improved EHS qualities

Mongla CC Plant manufacturing Plant, Polder 33

- There is proper gate keeping of the work site
- There are some lacking in provision and use of PPE
- The work site has dust pollution, spraying of water be done more frequently.
- 1 noise measuring device has been provided to the Mr. Prodip, EHS Officer for measuring noise level every fortnightly and maintaining noise/sound records
- The waste collection bins are open and have no label
- The fuel storage needs proper fencing
- Safe drinking water and medicines are supplied to the workers.

EHS improvement in Pankhali CC manufacturing plant, Polder-32

- Establishing new industrial waste storage with erection of signboard
- Improvement of fences along the road for better safety
- Checking the fire extinguishers' expiry date and replace if necessary
- Clean and maintain fuel storage area properly
- Provide safe drinking water and first aid facility to workers regularly
- Continue regular Tool Box talk and imparting EHS training to workers
- Conduct noise monitoring and keeping records
- Ensure provision of safe drinking water first aid facility to workers

EHS improvement in Tafalbari CC manufacturing plant, Polder-35/1

- Making arrangement for industrial waste storage
- Holding regular Tool box talk with workers for EHS improvement
- Conduct noise monitoring and keeping records
- Maintain the cleanliness of hygienic latrines for workers' use
- Provision of safe drinking water and first aid facilities to workers

EHS improvement in Daratana CC manufacturing plant, Polder-35/3

- Provision of improved fencing along the river side of the CC plant
- Imparting regular EHS training to the workers
- Holding regular Tool box training to workers
- Proper disposal of organic and inorganic waste of the work site

3.4.9 Holding Environmental Meetings

2 separate meetings were held with Environmental Specialist of Third-Party M&E Consultant during the month of January, 2019 for discussion on various issues related to their preparation for 3rd Annual Environmental Audit Report of the CEIP-1. They have been provided with various information and related documents/reports as required for the purpose.

3.4.10 Review of the Environmental Reports/Documents of Package-3

The following environment related activities have been carried out during the month of January, 2019:

- Preparation of response to WB comments on EIA reports on 7 Polders of Package-3 and submitted to Project Director accordingly.
- Preparation of responses to WB comments on EHS Risk assessment reports of 4 Polders of Package-1 and submitted to PMU accordingly.
- Preparation of EHS Risk assessment for 5 Polders (Polders 39/2C, 40/2, 41/1, 47/2 and 48) Package-2 by the Contractor and submitted to PMU for necessary action.

3.4.11 Review of EIA Reports of Package-3

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.

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

Information on number of workers (local and expatriate), number of environmental trainings (including the number of trainees), number of accidents took place etc. in Package-1 during the month of January, 2019 are provided in Table 3-42 below:

Table 3-42: Information for the month of January, 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	286	25	14	311	0	00	00	-
Polder 33	262	28	27	290	01	00	00	Small accident
Polder 35/1	372	39	25	411	01	00	00	Small accident
Polder 35/3	187	14	17	201	01	00	00	Small accident
Khulna	19	19	02	38	00	00	00	-
Total of Package-1	1126	125	85	1251	03	00	00	-

3.4.13 Noise Measurement of Automatic CC Plant

The contractor has made a test to evaluate the intensity of Noise Quality (dB) upon the sensitive receivers' locations (Plant operator, CC block curing areas, CC block stacking areas, kitchen areas and workers' accommodation areas, fuel storage areas, rod cleaning areas etc.) around the different CC Block Manufacturing Plants of Polder-1 as given below:

Table 3-43: Noise level of functional Rupsha CC Block Manufacturing Plant area, Polder 32

Monitoring Location		Polder 32, Rupsha CC Block Manufacturing Plant Coordinates: N 22°47'22.16" E 89°35'17.28"
Monitoring Date & Time		10.01.2019 (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, Boats plying in river
Location category		Industrial area
Measurement Result(s), dB	113.5, 86.8, 75.6	113.5, 87.8, 76.5
	80.4, 68.3, 65.8	84.4, 67.3, 65.8
	78.2, 64.0, 70.8	78.2, 64.0, 70.8
	82.3, 73.3, 68.8	84.3, 74.3, 68.8
	74.6, 58.3, 51.0	73.6, 59.3, 51.0
	52.7, 60.5, 48.2	55.7, 63.5, 46.2
	50.2, 44.8, 41.8	51.2, 46.8, 43.8
Daytime Standard of sound, dB (ECR 1997)		50(residential area); 60(mixed area); 70(commercial area); 75(industrial area)

Table 3-44: Noise level of functional Pankhali CC Block Manufacturing Plant-1 area, Polder 32

Monitoring Location		Polder 32, Pankhali CC Block Manufacturing Plant Coordinates: N 22°64'36.70" E 89°52'22.66"
Monitoring Date & Time		14.01.2019 (Day time)
Noise Meter Model		Digital Sound Level Meter AR824
Major Noise source(s) during monitoring		Automatic CC Block Manufacturing Plant, Fork Lift, Motor Vehicles
Location category		Industrial area
Measurement Result(s), dB	115.0, 95.4, 88.3	115.0, 98.4, 88.3
	82.5, 78.8, 71.5	86.5, 79.8, 71.5
	78.4, 68.5, 60.3	81.4, 68.5, 62.3
	60.5, 55.2, 50.0	64.5, 57.2, 50.0
	55.2, 43.0, 40.8	56.2, 45.1, 42.8
	68.2, 54.6, 51.2	69.2, 54.6, 49.2
Daytime Standard of sound, dB (ECR 1997)		50(residential area); 60(mixed area); 70(commercial area); 75(industrial area)

Table 3-45: Noise level of functional Pankhali CC Block Manufacturing Plant-2 area, Polder 32

Monitoring Location		Polder 32, Pankhali CC Block Manufacturing Plant Coordinates: N 22°64'36.70" E 89°52'22.66"	
Monitoring Date & Time		14.01.2019 (Day time)	
Noise Meter Model		Digital Sound Level Meter AR824	
Major Noise source(s) during monitoring		Automatic CC Block Manufacturing Plant, Fork Lift, Motor Vehicles	
Location category		Industrial area	
Measurement Result(s), dB	112.6, 94.3, 88.5	114.5, 95.3, 88.5	
	86.2, 75.0, 68.3	86.2, 75.2, 68.3	
	72.8, 63.2, 56.4	73.8, 65.2, 56.4	
	68.6, 57.6, 50.2	69.6, 57.6, 49.2	
	55.2, 43.0, 40.8	55.8, 46.0, 41.8	
	68.2, 54.6, 51.2	68.2, 56.6, 50.3	
Daytime Standard of sound, dB (ECR 1997)		50(residential area); 60(mixed area); 70(commercial area); 75(industrial area)	

Table 3-46: Noise level of functional Tafalbari Automatic CC Block Manufacturing Plant, Polder 35/1

❖ Monitoring Location		Polder 33, Mongla CC Block Manufacturing Plant Coordinates: N 22°28'54.21" E 89°35'38.38"	
Monitoring period & Time		18.01.2019 (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	112.5, 96.2, 85.8	105.0, 103.8, 87.4	
	86.1, 70.8, 65.9	88.4, 85.0, 77.8	
	82.6, 62.2, 57.2	70.5, 67.2, 63.4	
	76.3, 62.5, 58.2	60.7, 52.3, 56.5	
	68.2, 58.4, 52.8	66.5, 54.4, 56.8	
	80.5, 74.2, 62.8	56.4, 49.2, 52.5	
Daytime Standard of sound, dB (ECR 1997)		78.5, 68.3, 56.0	

Table 3-47: Noise level of Daratana Automatic CC Block Manufacturing Plant

Monitoring Location		Polder 35/1, Tafalbari CC Block Manufacturing Plant Coordinates: N 22°16'21.03" E 89°50'20.47"	
Monitoring Date & Time		23.01.2019 (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	
	113.7, 95.4, 85.6	114.5, 97.7, 85.3	
	85.3, 75.7, 68.4	87.3, 70.8, 65.9	

Measurement Result(s), dB	76.5, 65.3, 62.3	83.5, 63.2, 56.7
	82.4, 62.6, 59.2	76.3, 62.5, 58.2
	81.2, 75.7, 69.6	68.2, 58.4, 52.8
	77.5, 70.3, 65.2	80.5, 74.2, 62.8
	82.8, 76.8, 68.5	78.5, 68.3, 56.0
Daytime Standard of sound, dB (ECR 1997)		50(residential area); 60(mixed area); 70(commercial area); 75(industrial area)

The Mongla Automatic CC Block Manufacturing Plant is non-functional during the reporting (January, 2019)

3.4.14 Information of EHS related Issues of Package-2

The monthly Polder-wise Information on number of workers, number of training, number of accidents etc. for Package- are provided in Table 3-48. The data on noise level as measured during the current month are provided in tables below:

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

Table 3-48: Information for the month of January 2019, Package-2

Locations	No. of Total Workers in 6 Polders this Month		No. of environmental training and no. of environmental trainees in this month		No. of total accidents took place in this month	No. of total environmental grievance in this month	No. of problem faced for environmental compliance in this month	comment
	Local Workers	Expatriate workers	No. of trainings	No. of trainers				
Polder 39/2C	497	29	1	106	3	0	0	1 small nail cut and 1 minor hand injury treated with first aid facility. 1 worker had leg bruise who was taken to hospital and got cured.
Polder 40/2	175	17	4	66	2	0	0	One minor leg injury and one minor hand injury. They were treated with first aid facilities.
Polder 41/1	200	16	4	71	1	0	0	One minor finger injury by the knife which was treated with first aid.
Polder 43/2C	32	4						Physical works still to be started
Polder 47/2	93	14	4	19	1	0	0	I foot injury caused by sharp object. He was treated with first and the workers have been reminded to wear safety shoes.
Polder 48	154	11	4	49	1	0	0	One minor hand and injury got cured with first aid.

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

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

Table 3-49: Noise records for Polder 39/2C, January 2019

Location: Polder 39/2C		
Monitoring Location	Polder 39/2C - Camp Area, CC Block, Manufacturing plant & River Side Coordinates: Camp: x-486725.108, y-502102.197 Machine Plant: x-4868822.98, y-501992.532 River: x-486899.756, y-501983.934	
Monitoring Date	31-Jan-2019	
Noise Meter Model	Digital sound level meter AS804	
Major noise sources during monitoring	CC block manufacturing plant, Generator etc.	
Location category	Industrial area/mixed area	
Measurement results, dB	73.5-77.3-75.4	73.6-77.5-75.55
	74.7-76.5-75.6	72.5-75.6-74.65
	67.3-71.7-69.5	64.3-70.6-67.45
	81.4-82.4-81.9	80.4-82.3-81.35
	85.7-88.4-87.05	84.7-85.3-85.0
	62.6-64.3-63.45	63.6-64.2-63.9
	70.5-72.7-71.6	70.5-71.5-71.00
	61.3-59.3-60.3	60.2-58.6-59.4
	70.5-71.2-70.85	70.5-71.3-70.9
	65.3-66.3-65.8	66.3-62.3-64.3
55.3-54.8-55.05	58.4-54.4-56.4	
Daytime standard of sound, dB (ECR 1997)	50(residential area);60(mixed area);70(commercial area);75(industrial area)	

Table 3-50: Noise records for Polder 40/2, January 2019

Location: Polder: 40/2		
Monitoring Location	Polder 40/2, CC Block Manufacturing plant Coordinates:497100.876 434366.099 2.66;497106.635 434368.626 2.78;497090.418 434360.046 2.31;497126.491 434341.003 2.88;497000.16 434328.054 3.05	
Monitoring Date	31.01.2019 (Day time)	
Noise Meter Model	Digital sound level meter AS804	
Major noise sources during monitoring	CC block manufacturing plant, generator	
Location category	Industrial area/Mixed area	
Measurement results, dB	95,85,72.3	98,87,75
	81,65.2,64.3	83.5,62.3,68
	77,69,68.5	73.1,71.5,68.4
	80.6,66,65.9	82.3,65,65.9

	71.2,61.2,57.5	70.3,62.0,55.2
	56,58,58.5	50.5,54,50.4
	54.9,56.5,52	52.4,57.6,51.6
Daytime standard of sound, dB (ECR 1997)	50(residential area);60(mixed area);70(commercial area);75(industrial area)	

Table 3-51: Noise records for Polder 41/1, January 2019

Location: Polder 41/1		
Monitoring Location	Polder 41/1, CC Block, Manufacturing plant Coordinates: N447305.458 E521446.412	
Monitoring Date	25.1.2019(Day time)	
Noise Meter Model	Digital sound level meter AS804	
Major noise sources during monitoring	CC block manufacturing plant, Generator etc.	
Location category	Industrial area/mixed area	
Measurement results, dB	120,100,88	120,100,88
	79,75,72	79,75,72
	83,76,68	83,76,68
	84,80,69	84,80,69
	74.6,65.5,62	74.6,65.5,62
	66,57,51	66,57,51
	52,50,49	52,50,49
Daytime standard of sound, dB (ECR 1997)	50(residential area);60(mixed area);70(commercial area);75(industrial area)	

Table 3-52: Noise records for Polder 47/2, January 2019

Location: Polder 47/2		
Monitoring Location	Polder 47/2, CC Block, Manufacturing plant Coordinates: N423238.5061 E518603.9325	
Monitoring Date	30.1.2019(Day time)	
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	86.4,88.5,89.4	85.7,88.1,90.3
	59.8,65.3,70.2	63.4,58.3,65.6
	58.2,60.8,50.8	54.5,58.7,50.3
	59.9,65.3,61.5	54.7,68.8,58.3
	68.5,62.3,61.7	67.5,53.8,63.7
	64.3,61.4,60.1	62.3,60.6,59.8
	50(residential area);60(mixed area);70(commercial area);75(industrial area)	
Daytime standard of sound, dB (ECR 1997)	Polder 47/2, CC Block, Manufacturing plant Coordinates: N423238.5061 E518603.9325	

Table 3-53: Noise records for Polder 48, January 2019

Location: Polder 48 Noise Record		
Monitoring Location	Polder 48, CC Block, Manufacturing plant Coordinates: N416325.431 E512365.154	
Monitoring Date	26.01.2019 (Day time)	
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	96, 98, 92	95, 87, 97
	85, 82, 83	81, 85, 79
	86, 84, 80	82, 86, 83
	79, 78, 76	76, 74, 80
	72, 75, 69	62, 73, 74
	55, 49, 53	53, 52, 47
	49, 47, 46	55, 46, 48
Daytime standard of sound, dB (ECR 1997)	50(residential area);60(mixed area);70(commercial area);75(industrial area)	

3.4.16 Progress of Mechanical Work

About mechanical aspects the following activities were conducted:

(A) Installation of gates and Hoist at Site

Total Number of Gates arrived at the work site=19 (Pkg-1)

Number of Gates Installed =19

Physical Inspection was done, measurement of all the visual parts was taken and found in order as per design and specification. Operation at no load condition has been done at site by raising and lowering the gates by hoist and chain pulley. Later on, some defects were observed in hoisting shafts, wheels, and brackets. Contractor has been advised to rectify the identified defects for which the process for rectification is going on.

For testing strength of materials, test piece from the Gates as per supplied drawing and send them for testing.

Test Report received from BUET. As the test result was found satisfactory the quality of the Gates and Hoist except bronze nut, the materials have been certified as acceptable subject to retesting of bronze materials.

(B) Site Inspection Report of Gates and Hoists (2nd Lot) of Package-1 from 28 to 29 July 2018 by the Mechanical Engineer.

Findings: The contractor has imported nearly 100 numbers of gates and hoists of different structures of 4 polders under package-1. Physical measurement of different parts of gates & hoists were taken in every site for number of gates. But as there was no Screw Gauge or Vernier Callipers, accurate measurement could not be taken for thickness of the plates of Gates.

The Contractor collected test samples for gates and hoists and the samples were sent to BUET for testing. The result is ok. The contractor has been asked to send the test sample of bronze nut for retesting which is yet to receive by this office. C: Supervise Construction & Administer Contract of Package-2

3.4.17 Introduction

This MPR covers all major site activities executed in each Polder up to 31st January, 2019. The Contract was signed 8th March, 2017 for the execution of Rehabilitation/Reconstruction and upgrading of six Polders in total, namely Polder-39/2C, 40/2, 41/1, 43/2C, 47/2 & 48 under CEIP-1 (Contract No: CEIP-1/W-02)

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

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

3.4.18 Physical Progress (Mile Stone Matrix)

Table 3-54: Physical Works of Package-2 as on 31 January 2018

Item	Unit	Contract Quantity	Program FY 2018-2019		Prior Cumulative		Current Month		Current Cumulative	
			Full	Part	Completed	Partially Completed	Completed	Partially Completed	Completed	Partially Completed
Embankment Construction/e-sectioning	km	209.00	47.900	0.00	18.60 (8.89%)	4.15	0.00	5.10	18.60 (8.89%)	9.25 (20%)
Drainage Channel Excavation/Re-excavation	km	188.00	40.50	0.00	0	0	0.00	0.00	0	0
Drainage Sluice Construction	no	50	22	0	0	15	0	17	0	17 (37.83)
Drainage Sluice Repair	no	6	5	0	0	1	0	1	0	1 (0.08%)
Flushing Inlet Construction	no	65 ¹	17	0	0	13	0	14	0	14 (58.44%)
Flushing Inlet Repair	no	8	8	0	0	2	0	2	0	2 (0.13%)
Embankment Slope Protection Work	km	9.50	1.80	0.00	0.74 (7.78%)	0	0.00	0	0.74 (7.78%)	0
River Bank Protection Work	km	5.40	2.95	0.00	0.150 (2.77%)	0.00	0.39	0.00	0.540 (10%)	0.00
Construction of Road Pavement	Km	51.00	0	0.00	0	0	0	0	0	0
Construction of RCC Flood Wall	Km	17.00 ²	0	0.00	0	0	0	0	0	0
Closure Dam Construction	no	8	0	0	0	0	0	0	0	0

¹ The quantity has been adjusted as compare to the previous MPR based on the re-calculation. The value was 73.

² 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 3-55: Detailed Information of Construction Status of Drainage Sluice for Package-2

Drainage Sluice	Preparation cofferdam, excavation, dewatering	Foundation Sand piling, Sheet piles	Structure concreting work	Installation CC block placing, Gate	Weighted % progress	Remarks
1	2	3	4	5	6	7
Polder-39/2C						
DS-1	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-2	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-3	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-4	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-5	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-6	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-7	100%	80%	0%	0%	26%	Work in progress
DS-8	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-9	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-10	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-11	0%	0%	0%	0%	0%	Due to land problem work not yet started
DS-12	100%	100%	99%	0%	84%	Work stopped from July, 2018
DS-13	0%	0%	0%	0%	0%	Due to land problem work not yet started
Polder-40/2						0%
DS-2	100%	100%	100%	0%	85%	Work in progress
DS-3	10%	0%	0%	0%	1%	Work in progress
DS-5	55%	0%	0%	0%	6%	Cofferdam excavation work is in progress
DS-7	0%	0%	0%	0%	0%	Due to resettlement problem work not yet started
DS-7A	0%	0%	0%	0%	0%	Due to resettlement problem work not yet started
DS-8	0%	0%	0%	0%	0%	Due to court case work not yet started
DS-9	0%	0%	0%	0%	0%	Program for next year.
DS-10	0%	0%	0%	0%	0%	Program for next year.
DS-10A	0%	0%	0%	0%	0%	Due to court case work not yet started
Polder-41/1						0%
DS-1	50%	0%	0%	0%	5%	Coffer dam under construction
DS-2	0%	0%	0%	0%	0%	Re-settlement problem.
DS-3	0%	0%	0%	0%	0%	Re-settlement problem.
DS-4	0%	0%	0%	0%	0%	Re-settlement problem.
DS-5	100%	100%	100%	0%	85%	Work in progress
DS-6	100%	50%	0%	0%	20%	Work in progress
DS-7	100%	0%	0%	0%	10%	Work in progress
DS-8	100%	100%	60%	0%	63%	Work in progress
DS-9	100%	100%	15%	0%	38%	Work in progress
DS-10	0%	0%	0%	0%	0%	Program for next year.
Polder-43/2C						0%
DS-1	0%	0%	0%	0%	0%	Program for next dry season
DS-2	0%	0%	0%	0%	0%	Re-Settlement problem
DS-3	0%	0%	0%	0%	0%	Re-Settlement problem
DS-4	0%	0%	0%	0%	0%	Program for next dry season
DS-5	0%	0%	0%	0%	0%	Program for next dry season
DS-6	0%	0%	0%	0%	0%	Re-Settlement problem
DS-7	100%	100%	0%	0%	30%	Work in progress
DS-8	0%	0%	0%	0%	0%	Land acquisition problem
Polder 47/2						0%
DS-1	100%	100%	60%	0%	63%	Work in progress
DS-2	100%	100%	70%	0%	69%	Work in progress
DS-3	100%	100%	25%	0%	44%	Work in progress
DS-4	100%	100%	15%	0%	38%	Work in progress
Polder-48						0%
DS-1	100%	100%	55%	0%	60%	Work in progress
DS-2/A	0%	0%	0%	0%	0%	Re-Settlement problem
DS-3/2	100%	100%	50%	0%	58%	Work in progress
DS-3/3	0%	0%	0%	0%	0%	Re-Settlement problem
DS-3/4	100%	100%	40%	0%	52%	Work in progress
DS-6	0%	0%	0%	0%	0%	Land acquisition problem
Total (%)	34.3%	28.6%	13.8%	0.0%		
Total (BDT)	9,758,557	210,520,890	847,936,812	366,531,694	1,434,747,953	
Overall Progress	3,347,185	60,208,975	116,845,693	0	180,401,852	

Table 3-56: Detailed Information of Construction Status of Flushing Sluice for Package-2

Flushing Sluice	Preparation cofferdam, excavation, dewatering	Foundation, Sand piling, Sheet piles	Structure Concreting work	Installation CC block placing, Gate	Weighted % progress	Remarks
1	2	3	4	5	6	7
Polder 39/2C						
FS - 1					0%	Land problem
FS - 2					0%	Land problem
FS - 2/1					0%	Land problem
FS - 3					0%	Land problem
FS - 5					0%	Land problem
FS - 6					0%	Land problem
FS - 6/1					0%	Land problem
FS - 7					0%	Land problem
FS - 8					0%	Land problem
FS - 9					0%	Land problem
FS - 10					0%	Land problem
FS - 11					0%	Land problem
FS - 12					0%	Land problem
FS - 13					0%	Land problem
FS - 14					0%	Land problem
FS - 14/1					0%	Land problem
FS - 15					0%	Land problem
FS - 16					0%	Land problem
FS - 17					0%	Land problem
FS - 17/1					0%	Land problem
Polder 40/2						
FS - 1					0%	Recommended for repair instead of replacement.
FS - 3					0%	Recommended for demolished
FS - 4					0%	Recommended for repair instead of replacement.
FS - 4/1	100%	100%	99%		84%	Work stopped from July,2018
FS - 9	100%				10%	Work stopped due to non-payment of houses to the house owner.
FS -10	100%	100%	30%		47%	Work in progress
FS-13					0%	Recommended for demolished
FS -14					0%	Recommended for repair instead of replacement.
FS -16					0%	Recommended for repair instead of replacement.
FS -17					0%	Recommended for dropped from program instead of replacement due to land problem.
FS -20					0%	Recommended for repair instead of replacement.
Polder-41/1						
FS -1	100%	100%	30%		47%	Work in progress
FS -3	100%	100%	75%		71%	Work in progress
FS -5					0%	instead of replacement.
FS -6					0%	Re-Settlement problem
FS -7					0%	Land problem
FS -8	100%	100%	99%		84%	2018
FS -9	100%	100%	99%		84%	2018
FS -12					0%	instead of FS-12.
FS -15	100%	100%	99%		84%	2018
FS -16					0%	instead of replacement.
FS -21					0%	Re-Settlement problem
FS -22					0%	Re-Settlement problem
FS -23					0%	Re-Settlement problem
FS -24					0%	Re-Settlement problem
FS -25					0%	Re-Settlement problem
FS -28					0%	Re-Settlement problem
Polder-43/2C						
FS -1					0%	Program for next dry season
FS -1A	40%				4%	Work started but stopped due to land problem
FS -2					0%	Recommended for repair instead of replacement.
FS -3					0%	Recommended for demolish instead of replacement as per local resident.
FS -7					0%	Recommended for repair instead of replacement.
FS -8					0%	Program for next year
FS -9					0%	Recommended for repair instead of replacement.
FS -10					0%	Program for next year
FS -12					0%	Program for next year
FS -13					0%	Program for next year
FS -14					0%	Recommended for repair instead of replacement.
FS -15					0%	Recommended for repair instead of replacement.
FS -16					0%	Recommended for repair instead of replacement.
FS -17					0%	DS-7 is under construction instead of FS-17
FS -18					0%	Program for next year
Polder 47/2						
FS - 1	100%	100%	99%		84%	Work stopped from July, 2018
FS - 2					0%	Recommended for repair instead of replacement.
FS - 3					0%	Recommended for demolish.
FS - 6	100%	100%	99%		84%	Work stopped from July, 2018
FS - 7	100%	100%	99%		84%	Work stopped from July, 2018
Polder-48						
FS - 1	100%				10%	De-watering system is under installation
FS - 3	100%	100%	50%		58%	Work in progress
FS - 4	100%	100%	99%		84%	Work stopped from July, 2018
Overall progress	20.28%	16.90%	13.76%	0.0%		
Total (%)	20.57%	17.14%	13.95%	0.0%		
Completed (BDT)	39,468,417	182,788,473	546,301,845	66,713,381	835,272,116	
Physical (BDT)	8,117,607	31,328,951	76,233,003	0	115,679,561	

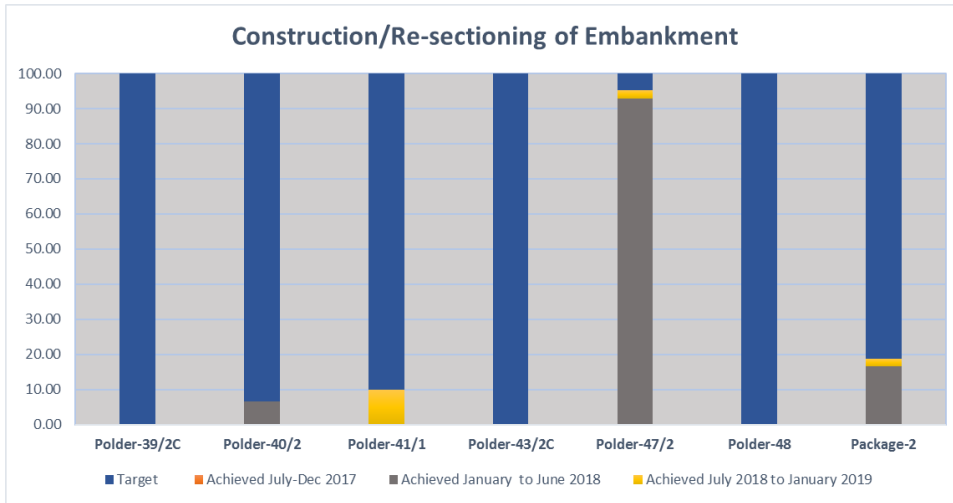


Figure 3-47: Construction / Re-sectioning of Embankment of Package-2

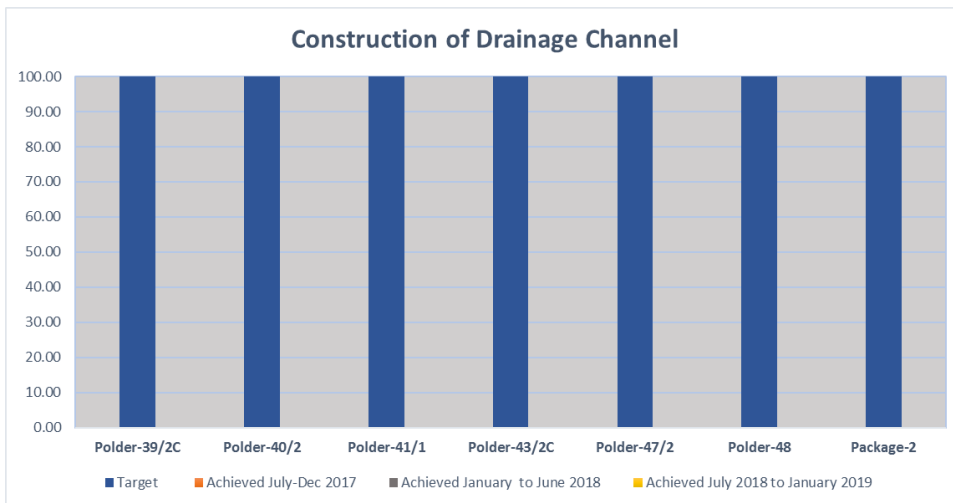


Figure 3-48: Construction of Drainage Channel of Package-2

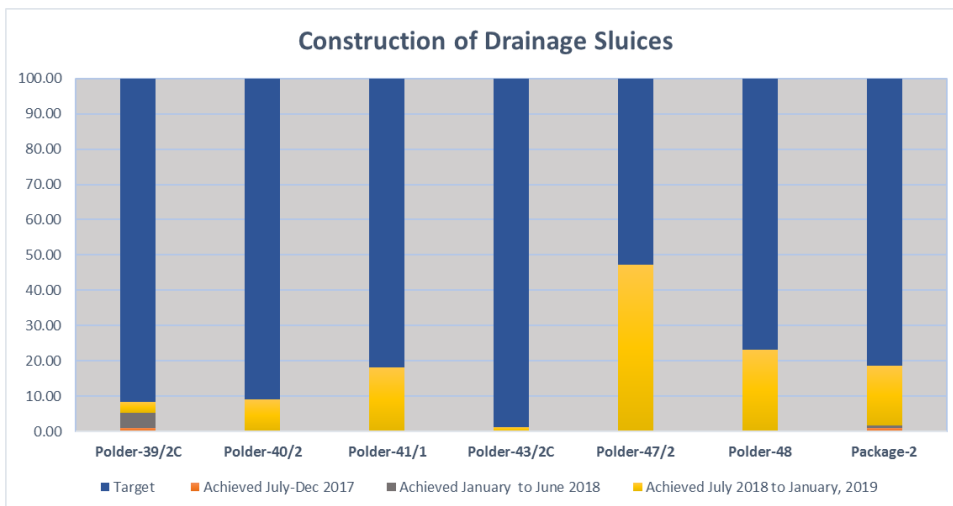


Figure 3-49: Construction of Drainage Sluice of Package-2

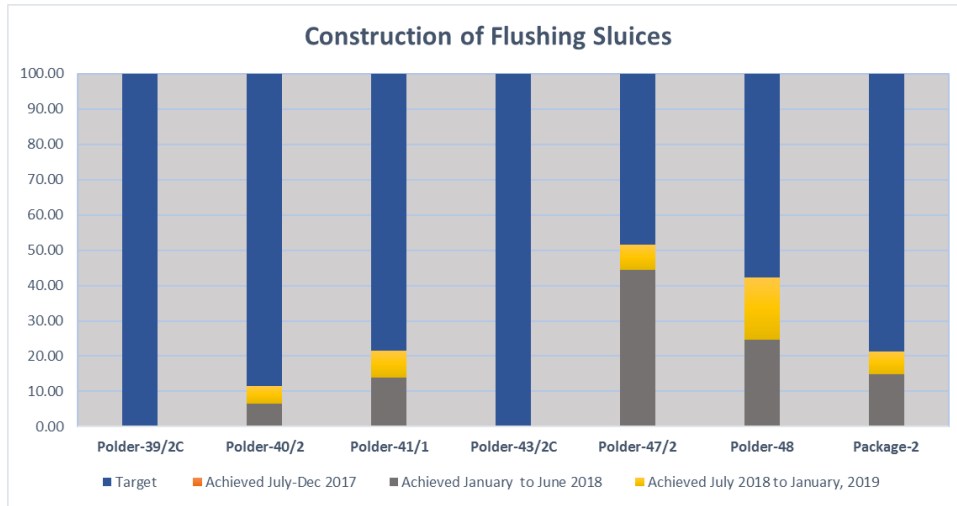


Figure 3-50: Construction of Flushing Sluice of Package-2

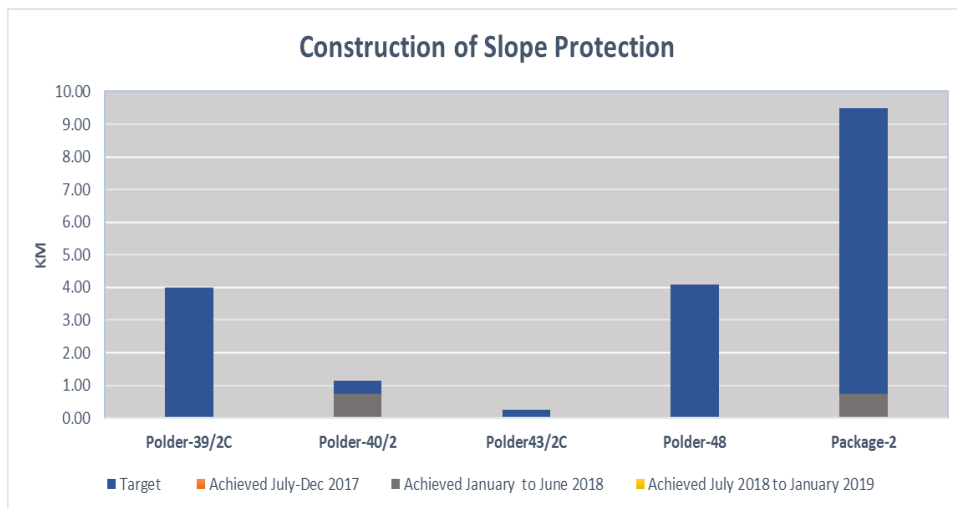


Figure 3-51: Construction of Slope Protection of Package-2

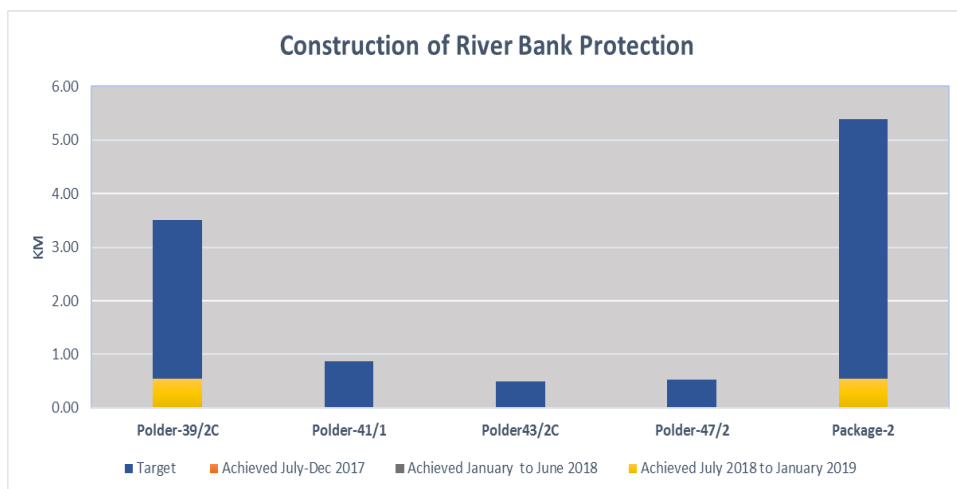


Figure 3-52: Construction of River Bank Protection of Package-2

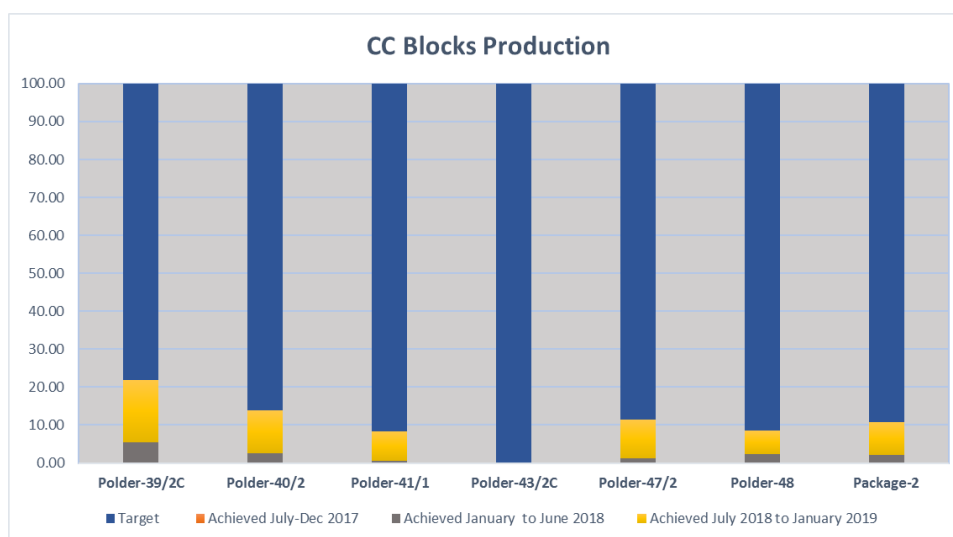


Figure 3-53: CC Blocks Production of Package-2

Table 3-57: Progress of Package-2 as on January 2019

Item	Unit	Contract Quantity	Status 31 January 2019
Construction/Re-sectioning of Embankment	Km	209.00	18.60 (F) 9.25 (P)
Excavation/Re-excavation of Drainage Channel	Km	188.00	-
Construction of Drainage Sluice	No	50	17 (P)
Repairing of Drainage Sluice	No	6	1 (P)
Construction of Flushing Sluice	No	65	14 (P)
Repairing of Flushing Sluice	No	8	2 (P)
Embankment Slope Protection Works (Km)	Km	9.50	0.74
River Bank Protection Works (Km)	Km	5.40	0.540
Construction of Road Pavement over Embankment and Road Crossing Embankment	Km	51.00	-
Construction of RCC Flood Wall	Km	17.00	-
Construction of Closure-Dam	No	8	-

Table 3-58: CC Blocks Production as on January 2019

S.N.	Polder Number	Estimated Quantity	Cumulative Total as of 31 Dec 2017	Cumulative Total as of 31 December 2018	Production during January 2019					Cumulative Total as of 31 January 2019
					40x40x40 (No)	40x40x20 (No)	30x30x30 (No)	40x40x30 (No)	Total (No)	
1	39/2C	7,598,926	0	1,354,890	266,925	0	0	47615	314,540	1,669,430
2	40/2	530,130	0	61,186	5,486	0	0	7091	12,577	73,763
3	41/1	1,153,937	0	78,087	18,376	0	0	0	18,376	96,463
4	43/2C	789,700	0	0	0	0	0	0	0	0
5	47/2	481,717	0	34,089	20,958	0	0	0	20,958	55,047
6	48	867,351	0	54,345	844	0	0	18558	19,402	73,747
	Total =	11,421,761	0	1,582,597	312,589	0	0	73,264	385,853	1,968,450

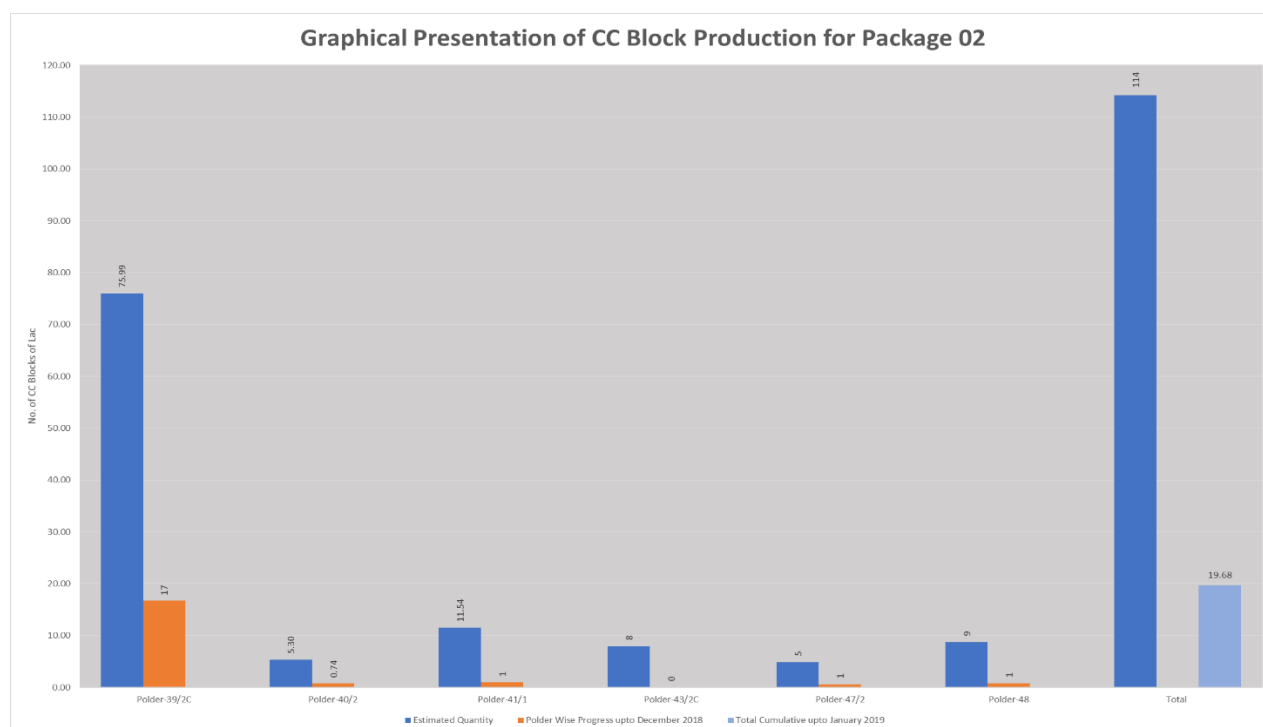


Figure 3-54: Graphical Presentation of CC Block Production for Package-2

3.4.19 Advance Payments

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

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

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 3-59. The Contractor has established their site offices at Bhandaria, Kalapara, Barguna, Patharghata and their field head quarter at Patuakhali.

Table 3-59: Contractor Staffs available in Package-2

SN	Description	Total Nos.	Patua khali	Polder-39/2C	Polder-40/2	Polder-41/1	Polder-43/2C	Polder-47/2	Polder-48
1	Management	0	0	0	0	0	0	0	0
2	Technical Staff	132	3	33	10	23	9	29	25
3	Operator/ Driver	164	3	75	19	29	6	16	16
4	Skilled Worker	202	0	8	62	44	1	29	58
5	Common Labour	700	13	304	99	165	22	42	55
6	Admin/Support	37	6	8	5	6	2	5	5
Total=		1235	25	428	195	267	40	121	159

3.4.20 Equipment mobilization

The Equipment including engines, machines, tools, barges, etc. have been purchased and deployed at site. The equipment including Excavator, Dump truck, Roller, Pay Loader, Automated CC Blocks manufacturing plants and Tipper are at site.

The target of the 1st dry season is to manufacture CC block in connection with River Bank Protection work. Thus 5 nos. automated CC block manufacturing Machines are installed at the CC blocks

manufacturing Yard in Polder-39/2C. Some CC block will also be manufactured manually, for which CC block manufacturing started in Polder-40/2, Polder-41/1, Polder-47/2, & Polder-48.

A length of 18.60 km Embankment Re-sectioning work has been completed and 9.25 km are in progress. Construction of 14 Nos. Flushing Sluices and 17 Nos. Drainage Sluices are in Progress.

The mobilisation of equipment for Package-2 is shown in the table below.

Table 3-60: Mobilisation List of Equipment for Package-2

S/N	Description	Sub-Total	39/2C	40/2	41/1	43/2C	47/2	48	Remarks
1	2	5	6	7	8	9	10	11	12
1	Bulldozer	7	-	1	2		2	2	
2	Excavator	53	4	6	29	2	6	6	Partially belongs to Sub-contractor
3	Loader	21	10	3	2	1	2	3	
4	Compaction Roller	4	1	1	1		1		
5	Water Tanker	5	1	1	1		1	1	
6	Fork Lift	59	57		2				
7	Dump Truck	78	15	16	12	2	9	24	
8	Pick Up	3	2		1				
9	Light Truck	3	1		-		1	1	
10	Flat Truck	11	4	1	3		1	2	
11	Crane Truck	3	-		1		1	1	
12	Lorry-Mounted Crane	1	1		-				
13	Diesel Tanker	4	1		1		1	1	
14	Hydraulic Breaking Hammer	3	1		1		1		
15	Pile Driver Clamps	9	2	1	2		2	2	
16	Pile Driver	6	2		4				
17	Belt Conveyor	8	6		-		1	1	
18	CC Block Manufacturing Machine	5	5		-				
19	Concrete Transportation Pump	4	2		-			2	
20	Concrete Mixing Plant	1	-		-			1	
21	Concrete Mixer	37	7	3	8		7	12	
22	Steel Bar Bending Machine	5	1	1	1		1	1	
23	Steel Bar Cutting Machine	2	1		1				
24	Boat	3	2		1				
25	Tugboat	2	2		-				
26	Barge	4	-		-		2	2	
27	Motorcycle	4	2		1			1	
28	Generator	38	16	3	8		6	5	
29	Air Compressor	7	1	1	1		2	2	
30	Level Machine	9	3	1	2		1	2	
31	GPS	4	1		1	1	1		
32	Total Station	1	1						
33	Deep Water Measuring Instrument	48	-	12	1		26	9	
34	Submersible Pump	36	-		32		4		
35	Slush Pump	15	9		6				
36	Fresh Water Pump	6	6						
37	Self-Priming Pump	11	11						
38	Single-Cylinder Diesel Engine Pump	16	-		8		4	4	
39	Business Car	4	1	1	1	-	-	1	
Total=		540	179	52	134	6	83	86	



Figure 3-55: Curing the blocking yard no.1 of Polder-39/2C



Figure 3-56: Executing the sand pile for DS-07 of Polder-39/2C



Figure 3-57: Fitting the deformed bar for DS-2 of Polder-40/2



Figure 3-58: Excavating the foundation for DS-4/5 of Polder-40/2



Figure 3-59: Pouring the RCC slab for DS-5 nighttime of Polder-41/1



Figure 3-60: Pouring the RCC slab for DS-8 of Polder-41/1



Figure 3-61: Driving the sheet pile for DS-9 of Polder-41/1



Figure 3-62: Pouring the RCC slab for DS-5 daytime of Polder-41/1



Figure 3-63: Dewatering for DS-7 of Polder 43/2C



Figure 3-64: Pouring the RCC slab for DS-1 in Polder-47/2



Figure 3-65: Fitting the deformed bar for DS-3/4 of Polder-48



Figure 3-66: Manufactured the new size (60*60*60cm) block in yard No.1 of Polder-48



Figure 3-67: Sampling the materials for beach EMB of Polder-48



Figure 3-68: Pouring the lean concrete for DS-3 of Polder-47/2



Figure 3-69: EMB construction around KM 9+700 of Polder-41/1



Figure 3-70: EMB construction around KM 6+700 of Polder-41/1

3.4.21 Plans for execution of works

The contractor was advised to proceed with the top priority set of civil works, namely all bank protection works across four Polders (Polder-39/2c, 41/1, 47/2 & 43/2C) during the dry sessions 2017-2020. As per the rate of progress of land availability and land acquisition plans, it is noted that a part of the land acquisition at five Polders (except the Polder-39/2C) does not pose any problem. Execution of re-sectioning work of existing embankment is partially completed for the first dry season 2017-2018 along the alignment of BWDB's acquired Land.

Polder-39/2C:

- DS-12: Complete, except railing structural work and gates.
- CC Blocks: 1,613,429 nos. manufactured.
- Construction of DS-07 is in progress.

CC block manufacturing yard:

- To complete 100% ground hardening for CC block curing yard.
- To complete ground hardening for CC block stacking yard.

Polder-40/2:

- Re-sectioning of embankment of 2.4 km is 100% complete and 2.35 km is partially complete.
- FS-4/1: Complete, except railing structural work and gates.
- Construction of DS-2, DS-4/5, FS-9 & FS-10 are in progress.
- CC Blocks: 72,556 nos. manufactured.

Polder-41/1:

- FS-8, FS-9 & FS-15: Complete, except railing structural work and gates.
- Construction of DS-1, DS-5, DS-6, DS-7 DS-8, DS-9 and FS-1 & FS-3 are in progress.
- CC Blocks: 96,463 nos. manufactured.

Polder-43/2C

- The survey work of embankment is in progress.
- Construction of DS-7 is in progress.

Polder-47/2:

- Re-sectioning of embankment 16.20 km is 100% complete.
- FS-1, FS-6, and FS-7: Complete, except operating platform & railing structural work and gates.
- Construction of DS-1, DS-2, DS-3 & DS-4 are in progress.
- CC Blocks: 53,037 nos. manufactured.

Polder-48:

- FS-4: Complete, except railing structural work and gates.
- Construction of DS-1, DS-3/2, DS-3/4, FS-1 & FS-3 are in progress.
- CC Blocks: 70,694 nos. manufactured.

Other structures and embankment works are to be started very soon of 2018-2019 and 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.

3.4.22 Updated Physical Site activities of the contractor

Three fragments of land of about 35 hectares have been arranged by the contractor to establish CC block manufacturing yard in Polder-39/2C where CC Blocks are being manufactured. Pre-work survey of the cross section of embankment in Polder-39/2C and Polder-43/2C is partially completed, and Polder-40/2, Polder-41/1, Polder-47/2 & Polder-48 are complete.

Polder-39/2C:

- DS-12: Complete except railing structural work;
- Construction of DS-7 is in progress;
- CC Blocks: 1,613,429 nos. manufactured;
- The pre-work survey of embankment is in progress;

Polder-40/2:

- Re-sectioning of embankment of 2.4 km is 100% complete and 2.35 km is partially complete and the work is in progress;
- FS-4/1: Complete except railing structural work;
- CC Blocks: 72,556 nos. manufactured;
- Construction of DS-2, DS-4/5, FS-9 & FS-10 are in progress;

Polder-41/1:

- FS-8, FS-9 & FS-15: Complete, except railing structural work,
- CC Blocks: 96,463 nos. manufactured.
- Construction of DS-1, DS-5, DS-6, DS-7, DS-8, DS-9, FS-1 & FS-3 are in progress.

Polder-43/2C

- The survey work of embankment is in progress;
- Construction of DS-7 is in progress;

Polder-47/2:

- Re-sectioning of embankment 16.20 km is 100% complete;
- FS-1, FS-6, FS-7: Complete except operating platform & railing structural work;
- CC Blocks: 53,037 nos. manufactured;
- Construction of DS-1, DS-2, DS-3 and DS-4 are in progress;

Polder-48:

- FS-4: Complete except railing structural work;
- CC Blocks: 70,694 nos. manufactured;
- Construction of DS-1, DS-3/2, DS-3/4, FS-1 & FS-3 are in progress;

3.4.23 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.

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.

3.4.24 Emergency works in Polder-40/2, 41/1, 47/2 & 48:

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

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

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

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

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

Emergency work in Polder-48: (Km 31.060 to km 31.220; km 31.280 to km 31.408; km 34.305 to km 34.525): Sea dyke slope protection work by Geo-bag, Gunny bag, Bullah, Bamboo etc has been completed.



Figure 3-71: Emergency Work of Polder-48

Table 3-61: Summary of Emergency works under the head of "Environmental Mitigation Works"

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

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

Table 3-62: 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	1,058,491
06	Polder-48	0.16	1,233,611
Total =		0.481	3,970,075

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

Table 3-63: Detailed of Emergency Works under the head of "Provisional Sum"

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

Table 3-64: Detailed of Emergency Works under the head of "Physical & Price Contingency"

Sl. No.	Polder No.	Chainage		Length (Km)	Name of location	Engineer Approved Date	Estimated Cost in BDT	Remarks	Year
		From	To						
1	Polder-39/2C	0.275	0.440	0.165	Bhandaria, Bamuner Khal	24-Mar-18	1,677,973.00	Physical and Price Contingency	FY 2017-18
2	Polder-47/2	6.300	6.375	0.075	Kalapara	01-Aug-18	555,379.53	Do	FY 2017-18
3	Polder-47/2	6.550	6.592	0.042	Kalapara	01-Aug-18	290,209.45	Do	FY 2017-18
4	Polder-47/2	6.670	6.692	0.022	Kalapara	01-Aug-18	109,704.67	Do	FY 2017-18
5	Polder-47/2	6.710	6.727	0.017	Kalapara	01-Aug-18	103,196.95	Do	FY 2017-18
6	Polder-48	31.060	31.220	0.160	Kuakata		1,233,611.30	Do	FY 2017-18
Total				0.481			3,970,074.90		

3.4.25 Finance (Invoices) Contractor Package-2

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

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

IPC-3 was approved by the Engineer and paid by the employer on 20th June, 2018

IPC-4 was submitted to the employer on 29th October, 2018

IPC-5 was submitted to the Team Leader on 10th January, 2019 and it was sent to employer.

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

3.4.26 Contract Modifications

No contract modification is foreseen for the entire duration of the Contract Package-2.

3.4.27 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 by the Contractor based on the revised program and the same has been incorporated in the Monthly Progress Report of January 2019.

3.4.28 RAP implementation

See sections here above, Package-2.

3.4.29 LAP implementation

See sections here above, Package-2.

3.4.30 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.
- b) Two number Pickups and five number Motor Cycles have been procured and delivered to the field.

3.5 Task D: Project Management Support Services

3.5.1 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\$ 2.65 Million and US\$ 7.28 Million for Package-1 & Package-2 respectively considering extension of time up to June 2020 for Package-1 and completion time June 2020 of Package-2 (accelerated program).

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

Monthly Forecast of Payment of Package-W-02:

Table 3-65: Tentative forecast of Payment of Package-2

IPC No.	Month of Submission	Value of IPC	Remark
No.04	Oct. 2018	252,984,708.63	IPC No. 4 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. 5 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	
No.07	Mar. 2019	442,400,000.00	
No.08	Apr. 2019	237,000,000.00	
No.09	May 2019	244,900,000.00	
No.10	Jun. 2019	244,900,000.00	
Total		2,379,664,708.63	

3.5.2 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 submitted to the Project Director to consider for smooth running of the Project.

3.5.3 Support to PMU

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

3.6 Consultant Inputs

3.6.1 Staffing and staff changes approved or in process during the month

Table 3-66: Overview of Staffing (including Proposed Replacements)

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

Description of Staffs	Position	Original Staff	Current Staff	Remarks
	Quality Control Specialist - 1	Md. Abdur Razzaque Khan	Md. Sheik Farid	
	Quality Control Specialist - 2	Md. Sekendar Ali	Md. Rafiqul Alam	
	Procurement / Contract Management Specialist	Md. Tafazzal Ali	Md. Aminur Rahman	
	Environmental Specialist	Dr. Quazi Alamgir Kabir	Abu Bakr Siddique	
	Resettlement Specialist/Sociologist	Md. Mustafizur Rahman	Md. Mustafizur Rahman	N/A
	Land Acquisition Officer	Benu Gopal Dey	Khandaker Mahabub Alam	
	Geo-Technical and Foundation Specialist	Mizanur Rahman	Ashraf Ul Abedin	N/A
	Mechanical Engineer - 1	Monojit Kumar Bagchi	Monojit Kumar Bagchi	N/A
	Mechanical Engineer - 2	Md. Rashidul Islam	Md. Rashidul Islam	
	Agronomist	Dr. Santosh Kumer Sarker	Dr. Santosh Kumer Sarker	N/A
	Fisheries Expert	Md. Mokammel Hossain	Md. Mokammel Hossain	N/A
	Senior Estimator - 2	Md. Nazrul Islam	Md. Nazrul Islam	N/A
	Economist	Md. Aminul Islam	Md. Aminul Islam	
	Construction Supervision Engineer - 5	Md. Sadiqul Islam (Modified Contract)	Md. Sadiqul Islam	
	Construction Supervision Engineer - 6	Md. Ghiasuddin Ahmad (Modified Contract)	Md. Ghiasuddin Ahmad	
	Quality Control Specialist - 3	Md. Ali Jinnah (Modified Contract)	Md. Ali Jinnah	
	Quality Control Specialist - 4	Md. Harun Ur Rashid (Modified Contract)	Md. Harun Ur Rashid	
A. Others Staffs	Field Engineer	Md. Hasibur Rahman	Md. Hasibur Rahman	
	Field Engineer	Md. Lakidul Islam	Md. Lakidul Islam	
	Field Engineer	Md. Samsul Alam -1	Md. Samsul Alam -1	
	Field Engineer	Md. Jamal Uddin	Md. Jamal Uddin	
	Field Engineer	Md. Sazzad Hossain	Md. Sazzad Hossain	
	Field Engineer	Tajuddin Ahmed	Tajuddin Ahmed	
	Field Engineer	S.M. Noor-A-Alom	S.M. Noor-A-Alom	
	Field Engineer	Khandaker Shamim Ahmed	Khandaker Shamim Ahmed	
	Field Engineer	Shakil Ahmed	Shakil Ahmed	
	Field Engineer	Md. Monirul Islam	Md. Monirul Islam	
	Field Engineer	Md. Shohel Rana	Md. Shohel Rana	
	Field Engineer	Md. Abdulla Al Mamun	Md. Abdulla Al Mamun	
	Field Engineer	Md. Mizanur Rahman	Md. Mizanur Rahman	
	Field Engineer	Joy Prokash Mondal	Joy Prokash Mondal	
	Field Engineer	Shahidul Islam	Shahidul Islam	
	Field Engineer	Md. Lutfor Rahman	Md. Lutfor Rahman	
	Office Manager	Md. Shahadat Hossain	Md. Shahadat Hossain	
	Office Manager (Khulna)	Jakir Hossen	Jakir Hossen	
	Office Manager (Patuakhali)	Mehede Hasan	Mehede Hasan	
	Accounts Officer	Md. Fazlul Karim Khan	Md. Fazlul Karim Khan	
	Office Secretary	Mahmuda Islam	Mahmuda Islam	
	Lab Technician	Md. Aminur Rahman	Md. Aminur Rahman	
	Lab Technician	Md. Kuddus Molla	Md. Kuddus Molla	
	Lab Technician	Lokshon Chandra Biswas	Lokshon Chandra Biswas	
	Computer Operator	Md. Abdulla Al Mamun	Md. Abdulla Al Mamun	
	Computer Operator	Md. Delowar Hossain	Md. Delowar Hossain	
	Computer Operator (Khulna)	Hosnewara Khatun	Hosnewara Khatun	
	Office Peon	Md. Jahangir Alam	Md. Jahangir Alam	
	Messenger	Sheikh Rabiul Islam	Sheikh Rabiul Islam	
	Chowkidar (Khulna)	Ariful Islam	Ariful Islam	
	Office Peon (Khulna)	Md. Sojib Hossen	Md. Sojib Hossen	
	Office Peon (Patuakhali)	Md. Rownaqul Islam	Md. Rownaqul Islam	
Office Peon (Patuakhali)	Md. Babul Akhther	Md. Babul Akhther		
Cleaner	Md. Shohidul Islam	Md. Shohidul Islam		

3.6.2 Monthly Forecast of Payment for Consultancy Services:

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

Table 3-67: Tentative information on financial of payment for DDCS & PMS Consultants

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

3.6.3 Finance (Invoices) RHDHV/DDCS&PMS Consultants

Table 3-68: 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 ³	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		127,219,58.17	20-Dec-18	
Invoice No. 24	94,865.43	01-Jan-19				
Total Amount Invoiced =	2,080,424.78			536,158,710.82		

³ Invoice no. 10 (Not full payment)

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

Summary

Coastal Embankment Improvement Project, Package-1

Summary Progress of works

Progress up to: 31 January, 2019

BoQ Item	Weight	Weight (partial)	Name of Work	As per Variation Order No.2 (Updated)		Actual			Weighed percentage	
				Quantity	Unit	Quantity	Unit	Percentage completed		
1	2	3	4	5	6	7	8	9	10	11
BoQ No. 1	General Mobilisation	0.0752							79.04%	5.948%
BoQ No. 2	Construction / Re-sectioning of Embankment	0.2196			5,877,718	cum	3,485,300	cum	59.30%	13.021%
BoQ No. 3	Excavation / Re-excavation of Drainage Channel	0.0218			151.21	km	29.75	km	19.67%	0.430%
BoQ No. 4	Construction of Drainage Sluices	0.0989								
			0.0047	i) Casting Block size 40cm x 40cm x 20cm.	106,373	no.	99,268	no.	93.32%	8.479%
			0.0034	ii) Casting Block size 30cm x 30cm x 30cm.	90,898	no.	54,158	no.	59.58%	
			0.0909	Other Drainage Sluices construction works	599,819,953	BDT	517,587,927	BDT	86.3%	
BoQ No. 5	Repairing of Drainage Sluices	0.0013								
			0.0002	i) Casting Block size 40cm x 40cm x 20cm.	3,747	no.	3,497	no.	93.32%	0.109%
			0.0002	ii) Casting Block size 30cm x 30cm x 30cm.	4,911	no.	2,926	no.	59.58%	
			0.0009	Other Drainage Sluices repair works	6,124,178	BDT	5,460,732	BDT	89%	
BoQ No. 6	Construction of Flushing Inlets	0.0570								
			0.0025	i) Casting Block size 40cm x 40cm x 20cm	56,323	no.	52,561	no.	93.32%	3.809%
			0.0028	ii) Casting Block size 30cm x 30cm x 30cm	76,019	no.	45,293	no.	59.58%	
			0.0517	Other Flushing Inlets construction works	341,077,627	BDT	225,118,998	BDT	66.0%	
BoQ No. 7	Repairing of Flushing Inlets	0.0125								
			0.0008	i) Casting Block size 40cm x 40cm x 20cm.	17,425	no.	16,261	no.	93.32%	0.882%
			0.0013	ii) Casting Block size 30cm x 30cm x 30cm.	33,966	no.	20,237	no.	59.58%	
			0.0105	Other Flushing Inlets repair works	69,059,386	BDT	48,542,946	BDT	70.29%	
BoQ No. 8	Embankment Slope Protection Work	0.2168								
			0.0608	i) Casting Block size 40cm x 40cm x 40cm.	729,950	no.	542,429	no.	74.31%	12.310%
			0.0961	ii) Casting Block size 40cm x 40cm x 20cm.	2,310,203	no.	1,363,726	no.	59.03%	
			0.0152	iii) Casting Block size 40cm x 40cm x 30cm.	222,844	no.	134,859	no.	60.52%	
			0.0447	Other Embankment Slope Protection works	294,754,346.00	BDT	78,985,582.254	BDT	26.80%	
BoQ No. 9	River Bank Protection Work	0.2272								
			0.0117	i) Casting Block size 40cm x 40cm x 20cm.	282,163	no.	166,562	no.	59.03%	18.054%
			0.1112	ii) Casting Block size 40cm x 40cm x 40cm.	1,335,844	no.	992,672	no.	74.31%	
			0.0827	iii) Casting Block size 30cm x 30cm x 30cm.	2,110,963	no.	1,901,190	no.	90.06%	
			0.0003	iv) Casting Block size 40cm x 40cm x 30cm.	4,800	no.	2,905	no.	60.52%	
			0.0213	Other River Bank Protection works	140,247,084.00	BDT	107,785,399.39	BDT	76.85%	
BoQ No. 10	Dismantling works	0.0203		Dismantling works	133,991,406	BDT	9,768,199	BDT	7.29%	0.148%
			0.0277							
BoQ No. 11	Construction of Closure Dam		0.0069	Foundation Construction of the Closure	45,731,270	BDT	18,292,508.10	BDT	40.00%	0.277%
			0.0055	Closing of the Closure	36,585,016	BDT	0.00	BDT	0.00%	0.000%
			0.0152	Final Protection Work of the Closure	100,608,795	BDT	0.00	BDT	0.00%	0.000%
	Schedule of Daywork	0.0036		Schedule of Daywork	23,712,392	BDT	1,630,315	BDT	6.88%	0.025%
	Environmental Mitigation Works	0.0091		Environmental Mitigation Works	60,200,000	BDT	47,525,800	BDT	78.95%	0.720%
	Emergency work charge to Physical Contingencies	0.0089		Emergency work charge to Physical Contingencies	58,913,141	BDT	58,913,141	BDT	100%	0.893%
	Physical and Price Contingencies	0.0000		Physical and Price Contingencies	300,000,000.00	BDT	304,075,783.4	BDT	101.36%	0.000%
	Temporary Savings	0.0000		Temporary Savings	130,313,430.63	BDT		BDT	0.00%	0.000%
										65.105%
Overall Progress									65.10%	

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

Coastal Embankment Improvement Project, Package-2
Summary Progress of works

Progress up to: 31 January 2019

BoQ	Subject	Weight	Weight (partial)	Item	As per Contract		Actual		Percentage completed	Weighed percentage
					Quantity	Unit	Quantity	Unit		
1	2	3	4	5	6	7	8	9	10	12
BoQ No. 1	General Mobilisation	0.0112							47.57%	0.533%
BoQ No. 2	Construction / Re-sectioning of Embankment	0.1726			7,028,144	cum	362,110	cum	5.15%	0.889%
BoQ No. 3	Excavation / Re-excavation of Drainage Channel	0.0189			187.554	km	0.0	km	0%	0.00%
BoQ No. 4	Construction of Drainage Sluices	0.1495								1.80%
			0.0043	i) CC Block: 40cm x 40cm x 20cm.	163,168	No.	975	No.	0.60%	
			0.0047	ii) CC Block: 30cm x 30cm x 30cm.	197,111	No.	12,411	No.	6.30%	
			0.1406	Other Drainage Sluices construction works	1430783779	BDT	180,401,852	BDT	12.61%	
BoQ No. 5	Repairing of Drainage Sluices	0.0018								0.012%
			0.0003	i) CC Block: 40cm x 40cm x 20cm.	12,365	No.	74	No.	0.60%	
			0.0005	ii) CC Block: 30cm x 30cm x 30cm.	20,000	No.	1,259	No.	6.30%	
			0.0010	Other Drainage Sluices repair works	10,048,351	BDT	916,304	BDT	9.12%	
BoQ No. 6	Construction of Flushing Inlets	0.0820								1.152%
			0.0031	i) CC Block: 40cm x 40cm x 20cm	116,089	No.	694	No.	0.60%	
			0.0022	ii) CC Block: 30cm x 30cm x 30cm	93,295	No.	5,874	No.	6.30%	
			0.0767	Other Flushing Inlets construction works	781,373,490	BDT	115,679,561	BDT	14.80%	
BoQ No. 7	Repairing of Flushing Inlets	0.0016								0.013%
			0.0002	i) CC Block: 40cm x 40cm x 20cm.	6,390	No.	38	No.	0.60%	
			0.0005	ii) CC Block: 30cm x 30cm x 30cm.	21,000	No.	1,322	No.	6.30%	
			0.0010	Other Flushing Inlets repair works	9,673,216	BDT	942,667.50	BDT	9.75%	
BoQ No. 8	Embankment Slope Protection Work	0.1063								2.254%
			0.0430	i) CC Block: 40cm x 40cm x 30cm.	848,567	No.	87,686	No.	10.33%	
			0.0375	ii) CC Block: 40cm x 40cm x 40cm.	687,279	No.	312,527	No.	45.47%	
			0.0125	ii) CC Block: 30cm x 30cm x 30cm.	524,295	No.	0	No.	0.00%	
			0.0132	Other Embankment Slope Protection works	134,510,728.00	BDT	10,461,630.07	BDT	7.78%	
BoQ No. 9	River Bank Protection Work	0.3566								8.674%
			0.1787	i) CC Block: 40cm x 40cm x 40cm.	3,271,866	No.	1,487,818	No.	45.47%	
			0.0118	i) CC Block: 40cm x 40cm x 30cm.	289,981	No.	29,965	No.	10.33%	
			0.1234	iii) CC Block: 30cm x 30cm x 30cm.	5,170,355	No.	0	No.	0.00%	
			0.0427	Other River Bank Protection works	434,284,630.00	BDT	43,468,711.81	BDT	10.01%	
BoQ No. 10	Dismantling Works of the Existing Sluices & Roads	0.0056	0.0037	Dismantling works of Existing Road	37,628,301.90	BDT	0.00	BDT	0.00%	0.000%
			0.0020	Dismantling works of Existing Sluices	19,861,649.12	BDT	186,699.50	BDT	0.94%	0.002%
BoQ No. 11	Construction of Khal Crossing Closures	0.0099		Closure Dam	8.00	No.	0.00	No.	0.00%	0.00%
BoQ No. 12	Construction of Road Pavement over Embankment and Road Crossing Embankment	0.0721		Paved Road	51.00	km	0.00	km	0.00%	0.00%
BoQ No. 13	Construction of RCC Flood Wall	0.0000		RCC Flood Wall	0.00	km	0.00	km	0.00%	0.000%
	Schedule of Daywork	0.0050		Schedule of Daywork	51,240,887.20	BDT		BDT	0.00%	0.000%
	Environmental Mitigation Works	0.0063		Environmental Mitigation Works	64,354,491	BDT	14,651,755	BDT	22.77%	0.144%
	Emergency Works (Charge to Physical Contingencies)	0.0004		Emergency Works (Charge to Physical Contingencies)	3,970,075	BDT	3,970,075	BDT	100.00%	0.039%
	Physical and Price Contingencies			Physical and Price Contingencies	496,029,925	BDT	0	BDT	0.00%	15.517%
Overall Progress									15.52%	

Note: RCC Flood Wall will not be constructed. Hence it's 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	January 2019
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>	
		1245		6	1251	
6.2	Number of laborers by skill	<i>Skilled</i>	<i>Semi-skilled</i>	<i>Unskilled</i>	<i>Total</i>	
		771	328	152	1251	
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>	
		732	392	127	1251	
6.4	Number of laborers by age	<i>18-25</i>		<i>25-50</i>	<i>Above 50</i>	<i>Total</i>
		690		549	12	1251
6.5	Source of labour	<i>Contractor</i>	<i>Subcontractor</i>	<i>Independent</i>	<i>Other</i>	<i>Total</i>
		1251	0	0	0	1251

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 handphone of which the number is known to all Chinese people (Chinese medical doctor available); doctor covers the four Polders
9.5	Which is the nearest hospital?	The nearest hospital is situated at Upazila head quarter. But there some clinic or satellite clinic inside the polder. If any worker required critical services then he/she refer to Khulna or Dhaka. The contractor has own car for every camp site and CC block manufacturing site to transport he/she to Khulna or Dhaka.
9.6	Which is the nearest Police Station?	In any Polder, there is Police office close-by, within 10 km range. On the other hand, a team of 2-3 nos. police available in work camp site and cc block manufacturing site cum residential site. If required they will help us. But even no situations arise to do this.
9.7	Are details of nearest doctor / clinic / dispensary /hospital / Police station available and prominently	Yes

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

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

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

1. PROJECT DATA		
1.1	Name of Project	Coastal Embankment Improvement Project - Phase I (CEIP-1)
1.2	Contract Package	Package-2
1.3	Date of Commencement	12 th July, 2017
1.4	Date of Completion	11 th January, 2021
1.5	Location	Polder-39/2C, Polder-40/2, Polder-41/1, Polder-43/2C, Polder-47/2 and Polder-48
1.6	Name and Contact Information (email/phone) of Contractor	Chongqing International Construction Corporation cicobangladesh@gmail.com/+8801917264485
1.7	Name and Contact Information (email/phone) of all sub-Contractors	None
1.8	Type of Works (single site, linear, clustered and construction duration)	<ol style="list-style-type: none"> 1. Upgrading via new construction and re-sectioning of embankments with a length of about 209km; 2. Excavation and re-excavation of drainage channels in the Polders with a total length of about 188km; 3. Construction of 50 drainage sluices; 4. Repairing of 6 drainage sluices; 5. Construction of 73 flushing sluices; 6. Repairing of 8 flushing sluices; 7. Construction of embankment slope protection works with a total length of some 9.5km; 8. Construction of river bank protection works with a total length of 5.4 km; 9. Construction of 8 Khal Closing Closures with varying widths between 35m to 60m; 10. Dismantling of 36 drainage sluices, 70 flushing sluices and road pavement for about 50 km; 11. Construction of RCC Flood wall with a length of about 17km; 12. Construction of Road Pavement with a length of about 51km. <p>Construction duration: 42 months</p>

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

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

3. SOCIO-ECONOMIC CONSIDERATIONS

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

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

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

4.7	Are there any marginalized, vulnerable, ethnic, indigenous- communities?	No
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5. MAINTENANCE OF OTHER LABOR RECORDS		
5.1	Is a copy of photo ID of each labourer kept with the Contractor/ Sub-contractor?	Yes, NID for local workers and visa copy for Chinese workers; no sub-contractors;
5.2	Is contact information of labour's next-of-kin kept for each labourer?	No

6. LABOR PROFILE (Please provide Polder wise information)				
<i>This data is to be collected for each Polder where civil works has commenced, and cover the regular labour, temporary labour, labour hired through sub-contractors or labour contractors / groups.</i>				

6.1	Number of laborers by sex	<i>Male</i>		<i>Female</i>		<i>Total</i>				
		1233		2			1235			
6.2	Number of laborers by skill	<i>Skilled</i>		<i>Semi-skilled</i>		<i>Unskilled</i>		<i>Total</i>		
		202		333		700			1235	
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>		
		813		422		0			1235	
6.4	Number of laborers by age	<i>18-25</i>			<i>25-50</i>		<i>Above 50</i>		<i>Total</i>	
		581			651		3			1235
6.5	Source of labour	<i>Contractor</i>		<i>Subcontractor</i>		<i>Independent</i>		<i>Other</i>		<i>Total</i>
		1235		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
9. ACCIDENTS, EMERGENCIES AND INCIDENTS (Please provide Polder wise description of Facilities)		
9.1	What is the nature of accidents / emergencies usually occurring at a worksite like yours?	Drowning
9.2	Is a functioning First Aid available at the campsite / worksite?	Yes
9.3	Is functioning fire-fighting equipment available at the campsite / worksite?	Yes
9.4	Which is the nearest doctor / clinic / dispensary?	Polder-39/2C: Digital X-ray Clinic, 5 minutes by car away from the campsite, 01717-997-914, Kamrunnasar. Polder-41/1: DR. Abudus salam M.B.B.S Ex-medical officer of Barguna general hospital, clinic-sharif x-ray clinic, Dispensary mouir medical hall. Polder-47/2: 1 km from our working site to the nearest dispensary Polder-48: 100 m from our temporary camps to the nearest dispensary but the doctor and clinic are 1 km away.
9.5	Which is the nearest hospital?	Polder-39/2C: Upazila Health Complex, 5 minutes by car away from the campsite, 01735-950-462, Fakrel Islam. Polder-41/1: Barguna sader hospital Polder-47/2: 10 km from our working site to the nearest hospital. Polder-48: the nearest hospital is 3 km towards the seaside.
9.6	Which is the nearest Police Station?	Polder-39/2C: Bandarie Police staion, 5 minutes by car away from the campsite, 01713-374-337, Kamruzzaman. Polder-41/1: Barguna sader police station. Polder-47/2: 8 km from our working site to the nearest police station. Polder-48: the nearest police station is 3 km approximately around the third bridge.
9.7	Are details of nearest doctor / clinic / dispensary / hospital / Police station available and prominently displayed at worksite / campsite?	Polder-39/2C: Yes, such information shall be printed on paper and displayed at the site office. Polder-41/1: DR. Abudus salam M.B.B.S Ex-medical officer of Barguna general hospital, clinic-sharif x-ray clinic, Disppensary mouir medical hall, Barguna sader hospital, Barguna sader police station, above mentioned details information is true and they are able to respond within short period and mentioned location is very nearest to our worksite. Polder-47/2: Yes. such information shall be printed on paper and displayed at the site office. Polder-48: Yes, such information shall be printed on paper and displayed at the site office.

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

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

Results Framework and Monitoring

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

Intermediate Results Indicators															Remarks
Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values								Frequency	Data Source / Meth.	Responsible for Data Collection	
				YR1 14/15	YR2 15/16	YR3 16/17	YR4 17/18	YR5 18/19	YR6 19/20	YR7 20/21	End Target				
Length of upgraded embankment		km	0	-	20	121	309	452	551	623	623	Annual	BWDB	M&E	
<i>Achievement</i>				-	0.8	27.9	63.55	60.05							60.05 Km full & 60.56 kms in process
Drainage structures replaced and upgraded		No.	-	-	3	23	59	89	113	129	129	Annual	BWDB	M&E	
<i>Achievement</i>				-	0		20	25							5 nos. full & 30 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	18							3 no. full & 24 nos. are in progress.
Length of Drainage Channels upgraded		Km	0	-	27	157	381	540	681	794	794	Annual	BWDB	M&E	
<i>Achievement</i>				-	0	11	28.80	0.80							0.80 Km
Area restored re/afforested	X	ha	-	-	-	-	-	100	200	300	300	Annual	BWDB	M&E	
<i>Achievement</i>				-	-	-									

Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values								Frequency	Data Source / Meth.	Responsible for Data Collection	Remarks
				YR1 14/15	YR2 15/16	YR3 16/17	YR4 17/18	YR5 18/19	YR6 19/20	YR7 20/21	End Target				
Water Management Organization (WMO)		No.	0	-	-	-	1	2	3	4	4	Annual	BWDB	M&E/NGO	
<i>Achievement</i>				-	-	-									
Improved coastal monitoring		Studies	Limited data					1		2	2	Annual	BWDB	M&E	
<i>Achievement</i>		-	-												
BWDB days of training provided	X	No.	0	20	40	60	80	100	120	140	160	Annual	BWDB		Project total needs to be 140 (or PY7 should be 160).
<i>Achievement</i>				33 (341)	33 (341)	33 (341)									Reported duration in days (plus pers-days)
Client days of training provided - Female	X	No.	0								60	Annual	BWDB		
<i>Achievement</i>				33 (66)	33 (66)	33 (66)									Reported duration in days (plus per-days)
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)									GRC formation undertaken for all polders of Package 01. Total 147 complaints / grievances have received by GRC. Out of 147 complaints /grievances 24 complaints have been resolved at the entry level and 114 cases have resolved through investigations and formal hearing by GRC) and the rest 09 cases have been trying to resolve in the entry level by the GRC. A total number of 45 grievances have been received at package-2 upto January 2019 by GRC.45 cases are under process for investigation and formal hearing by GRC.