

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



GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH
MINISTRY OF WATER RESOURCES

BANGLADESH WATER DEVELOPMENT BOARD
COASTAL EMBANKMENT IMPROVEMENT PROJECT PHASE-I (CEIP-I)

Financed by World Bank with
Grant Contribution of PPCR - Climate Investment Fund

Quarterly Progress Report No. 5
October-December 2016

Progress Report for 2nd Quarter of GoB Fiscal Year 2016-17
Implementation Quarter 8

Submitted to:

Project Management Unit
CEIP-1

Prepared by
Sheladia Associates, Inc. (USA)
in association with BETS Consulting Services, Ltd.
Third Party M&E Consultants for Overall Project Implementation
(CONTRACT PACKAGE NO.CEIP-1/ C2/S3)



14 February 2017

BASIC DATA

Country : *Bangladesh*
 Project Title : Coastal Embankment Improvement Project, Phase-1
 Implementing Agency : Bangladesh Water Development Board
 Report number : 5
 Reporting Period : Quarter of October-December 2016

CURRENCY EQUIVALENTS

(Exchange Rate Effective May 15, 2013)
 Currency Unit = Bangladeshi Taka (BDT)
 US\$ 1 = BDT 79
 Currency Unit = Special Drawing Rights (SDR)
 US\$ 1 = SDR 0.66269

FISCAL YEAR

July 1 - June 30

Grant Project Component: Pilot Program for Climate Resilience (PPCR)

2.1.1. Grant Source : Climate Investment Fund

2.1.2. Grant Amount : US\$ 25 Million

2.1.3. Date of Grant Approval : 29 May 2013

US\$ 5 Million are allocated for Project Component C 3 Long Term Monitoring, Research and Analysis of Bangladesh Coastal Zone.

Table i-1: PPCR Expected Disbursements

Pilot Program for Climate Resilience (PPCR) Expected Disbursements (in US\$ Million)								
Fiscal Year	2014	2015	2016	2017	2018	2019	2020	2021
Annual			10	10	5			
Cumulative			10	20	25			

Source: Project Appraisal Document, 2013

Loan IDA

2.2.1. Loan Number / Project ID : No. P128276

2.2.2. Loan Amount : US\$375 Million

2.2.3. Date of Loan Approval : 29 May 2013

2.2.4. Date of Loan Declared Effective /

Project Implementation Start Date : 02 Sep 2013

2.2.5. Expected Closing Date : 31 Dec 2020

Table i-2: IDA Expected Disbursements (US\$ Million)

IDA Expected Disbursements (in US\$ Million)								
Fiscal Year	2014	2015	2016	2017	2018	2019	2020	2021
Annual	5	5	10	45	75	75	75	85
Cumulative		10	20	65	140	215	290	375

Source: Project Appraisal Document, 2013

ACRONYMS AND ABBREVIATIONS

ADB	Asian Development Bank
aka	also known as
BDT	Bangladeshi Taka
BFD	Bangladesh Forestry Department
BoQ	Bill of Quantities
BUET	Bangladesh University of Engineering & Technology
BWDB	Bangladesh Water Development Board
C&AG	Controller and Auditor General
CCGP	Cabinet Committee for Government Purchase
CCL	Cash Compensation Under Law
CEGIS	Center of Excellence for Geospatial Information Science
CEIP	Coastal Embankment Improvement Project
CERC	Contingent Emergency Response Component
CIF	Climate Investment Fund
COI	Conflict of Interest
CPTU	Central Procurement Technical Unit
CUL	Compensation Under Law
DA	Designated Account
DC	Deputy Commissioner
DG	Director General
DoE	Department of Environment
DSC	Detailed Design, Construction Supervision & Project Management Support Consultants
DDCS&PMSC	Detailed Design, Construction Supervision & Project Management Support Consultants
DVD	Digital Video Disk
EA	Environmental Assessment
EC	Entitlement Cards
ECC	Environmental Clearance Certificate (of DoE)
EIA	Environment Impact Assessment
EP	Entitled Persons
EMF	Environment Management Framework
EMP	Environmental Management Plan
Eoi	Expression of Interest
FAPAD	Foreign Aided Project Audit Directorate
F&C	Fraud and Corruption
FGD	Focus Group Discussion
FIDIC	Federation Internationale des Ingenieurs Conseils (French); International Federation of Consulting Engineers
FM	Financial Management
FMS	Financial Management Specialist
FO	Field Office
FY	Fiscal Year
GAAP	Governance and Accountability Action Plan
GBM	Ganges, the Brahmaputra or Jamuna, and the Meghna

GCC	General Conditions of Contract
GCM	Global Climate Model
GIS	Geographic Information System
GoB	Government of People's Republic of Bangladesh
GPS	Global Positioning System
GRC	Grievance Redress Committee
GRM	Grievance Redress Mechanism
ha	hectare
HOPE	Head of the Procuring Entity
HQ	Headquarters
IC	Individual Consultant
ICT	Information and Communications Technology
ICB	International Competitive Bidding
ICBPQ	International Competitive Bidding with pre-qualification
ID	Identification
IDA	International Development Association (World Bank Group)
IFB	Invitation for Bid
IMED	Implementation Monitoring and Evaluation Division (Ministry of Planning)
IOL	Inventory of Losses
IPCC	Intergovernmental Panel on Climate Change
IPDP	Indigenous Peoples Development Plan
IPOE	Independent Panel of Expert
IRM	Immediate Response Mechanism
ISM	Implementation Support Mission
IUFR	Interim Unaudited Financial Report
IWM	Institute of Water Modeling
JVS	Joint Verification Survey
km	kilometer
KMC	Knowledge Management Consultants, Ltd. (RAP Team of DDCS&PMSC)
LAP	Land Acquisition Plan
LCS	Labor Contracting Societies
LG	Local Government
LGED	Local Government Engineering Department
MDSP	Multipurpose Disaster Shelter Project
MEAG	M&E Advisory Group
MIS	Management Information System
MoL	Ministry of Lands
MoWR	Ministry of Water Resources
M&E	Monitoring & Evaluation
NCB	National Competitive Bidding
NGO	Non-Government Organization
NID	National ID
NOL	No Objection Letter
O&M	Operation and Maintenance
OP	Operation Policy

OTM	Other Method
PAH	Project Affected Household
PAP	Project Affected Person
PAVC	Property Asset Valuation Committee
PC	Polder Committee
PCM	Public Consultation Meeting
PD	Project Director
PDO	Project Development Objectives
PMU	Project Management Unit
PMIS	Project Management Information System
PPCR	Pilot Program for Climate Resilience
PPE	Personal Protective Equipment
PRAC	Physical Relocation Assistance Committee
PRMP	Procurement Risk Mitigation Plan
PSC	Project Steering Committee
PY	Project Year
Q	Quarter
QBS	Quality Based Selection
QPR	Quarterly Progress Report
RAP	Resettlement Action Plan
RE	Resident Engineer
REOI	Request for Expression of Interest
RFP	Request for Proposal
ROW	Right-of-Way
RTI	Right to Information
SAP	Social Action Plan
SDR	Special Drawing Rights
SECU	Social, Environment and Communication Unit
SLR	Sea-Level Rise
SMRPF	Social Management and Resettlement Policy Framework
TA	Technical Assistance
ToR	Terms of Reference
UNDB	United Nations Development Business
USD	United States Dollar
WB	World Bank
WMO	Water Management Organization
WMIP	Water Management Improvement Project
XEN	Executive Engineer

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EXECUTIVE SUMMARY

Introduction

This Quarterly Progress Report (QPR) presents the status of project inputs and outputs and provides information on the activities, processes, accomplishments, constraints, issues and recommendations. It covers all consultancies and contracts of the Project and thus is a consolidated progress report.

The QPRs are intended to provide the Project Director, Project Steering Committee (PSC) and World Bank with information on emerging issues as well as a record of the project as it evolved through the last quarter. It is intended to also show the plans for the project overall, and specifically the next two quarters and to report progress against the respective targets. Should delay occur the report aims to alert as to the potential impact which such delay may have on the project schedule overall. The report consolidates the individual reports of several implementing partners under the project. These partners will present their own data. In general such data would be incorporated as it was reported and the PMU and the M&E team may also verify data independently.

The project reporting system and formats are still evolving. Therefore, additional information and data will also be provided in the reports of subsequent quarters as the format, content and information flows are improved. Suggestions for improving the content, presentation and utility of this report are welcome.

Summary of Achievements during the Quarter

Disbursements

As of December 2016 the Loan had become effective for 40 months. According to the IMED reports prepared by PMU, total disbursement by the project to date is US\$26.99 million, up from US\$ 24.09 million at the end of Q1 (September 2016).

The revenue expenditure for the second quarter of FY2016/2017 was weak at 1.77% of project total and 11.4% of the planned expenditure for the year while the capital expenditure was at 0.46% of total project budget and 3.29% of the planned expenditures for the current year. After two quarters, revenue expenditures and capital expenditures reached only 11.6% and 7.97% of this year's plan respectively. This was largely due to the delayed progress in Works Package 01 and the delayed signing of the contract for Works Package 02, but contributing factors included, there is a lag in budget approval with the beginning of the new fiscal year and the reduced level of activity during the monsoon season.

As for disbursements from the World Bank to the BWDB, they stand at 10.4% of project total, up from 6.6% at the end of the prior quarter. The total disbursed to date is \$41.5 million comprised of IDA Credit US\$24.49 million + TF PPCR US\$ 17.01 million. It is estimated that between \$30 million and \$40 million in additional requests for withdrawal will be made by the Project by June 2017 (additional 7-10% of the project budget). Disbursements are expected to pick up considerably with the mobilization of the Contractor for Works Package 02 and the hoped-for ramping up of work on

Package 01. The disbursement target for last year was not met and consequently the implementation performance was downgraded from *Satisfactory* to *Moderately Satisfactory*.

Institutional Arrangements

The PMU is staffed with qualified and dedicated professionals, but some key positions remain to be filled. A key gap is the vacancy for Financial Management Specialist who resigned effective 29 February 2016. Additional individual consultants, such as the Communications Officer, field PMU staff, IPOE staff and others, are required and are to be brought on shortly.

The recruitment of the NGO tasked with the formation and strengthening of Water Management Organizations has been delayed and must be given priority, not only because it is the policy of the GoB that WMOs should be in place before physical works begin, but because this makes good programmatic sense.

Recruitment and Procurement

Key procurement activities undertaken during the quarter include:

- The Notice of Award for Works Package 02 covering the rehabilitation, reconstruction and upgrading of Polders 39/2C, 40/1, 40/2, 43/2C, 47/2 and 48 and evaluation was issued on 15 December 2016.
- Negotiation continued for the Consultancy for Long-Term Monitoring, Research and Analysis of Bangladesh Coastal Zone Evaluation after commencing on 17 April 2016. The PD via letter of September 2016 has requested the Procurement Panel to reach a conclusion and make a recommendation. The Procurement Panel has again corresponded with the bidder and is currently reviewing their additional response.
- The evaluation report for the replacement of the PMU Financial Management Specialist (national) has been submitted to the WB for No Objection on 20 December 2016. The position has been vacant since 01 March 2016.
- The evaluation report for PMU Communications Officer was submitted to the WB for No Objection on 20 December 2016; CV submission deadline was 24 February 2016.
- Evaluation of EOIs for the consultancy services for social afforestation and social action plans for establishing WMOs continues. Original EOIs were submitted November 2014, and PMU contacted all 70 organizations who reconfirmed their interest in early June 2016.
- Two (2) new individual consultants are being recruited based on PMU needs – an Accounting and Financial Management Systems Specialist and IT Specialist (for development of the FM system). The TORs were prepared and World Bank provided NOL on 14 February 2016. Three CVs were received for each position by 10 March 2016 and evaluation is ongoing.
- Three of four IPOE TORs have been submitted to the WB in late December 2016 and approved. A fourth IPOE TOR was submitted to the WB on 01 January 2017.
- TOR for PMU Environmental Specialist (field) was submitted to the WB in December and No Objection received on 28 December 2016.

Works

Works Contract 1 was signed on 1 November 2015 and the contract effectiveness date was 26 January 2016. Mobilization has been slow, but gradually improving. The monsoons have slowed works between May and October. Drying of earthwork material and work on some of the 13 sluices

were the dominant activities during the October-December 2016 quarter. The work on the sluices has been challenging due to dewatering issues.

The Package 01 Contractor made some progress on the laboratory in Khulna (25% advance now having reached 95% completion), Engineer's office in Rayenda (45% advance reaching 80% completion), Engineer's office in Dacope (30% advance reaching 90% completion) and the Regional Office vertical extension (65% advance now having reached 95% completion). In the earlier quarter, emergency works were undertaken on about 25 individual locations in response to observed weaknesses in polder embankments that were vulnerable to erosion and potential breach during the 2016 monsoon season. A second batch of 19 emergency sites were identified and work undertaken on 16 of these sites. Of these, work was fully completed on 12 sites while work on three sites has not yet started as they are under design. Some of this second batch of sites became vulnerable due to damage caused by Cyclone Roanu. The total estimated amount for all emergency works currently underway amounts to about 92% of the total allocation of BDT 40 million under the lump sum BoQ item of Package 01. This budget is meant to cover the three year construction period and while the need for emergency works will decline as the permanent works advance, it is clear that additional funds will be required.

As to permanent works, there are 43.582 kms of embankment in process (up from 5.247 kms in the prior quarter) and 0.980 are fully completed (up from 0.810 kms at the end of September 2016).

CC block production stands at 178,329 as of 31 December 2016, up from 43,350 on 30 September. This is about four percent of the more the approximately 4.4 million that must be produced. The Contractor has ordered an additional two automated CC block making machines so that seven machines will be in place (an increase from the four planned); five have been commissioned and are operating. The five machines in place have a combined theoretical capacity of 15,000 blocks per day assuming 8-9 hours of operation. At this pace, about 300 days would be required to produce the required quantity.

Design and Supervision

The Consultants for a) Detailed Engineering Design and Construction Supervision for remaining Polders, b) Project Management Support, c) Preparation of EIA of remaining Polders and d) RAP (hereafter DDCS&PMSC) have been in place since January 2015 and have been carrying on their work diligently. The DDCS&PMSC is comprised of Royal HaskoningDHV in association with DevCon/KMC/CEGIS, DPM, IWM and DHI.

DDCS&PMS Consultants had completed the designs for Package 01 polders in a prior period. The Consultants also oversaw the survey and design work undertaken by the Works Contractor for Package 01.

The detailed designs of Package 02 polders advanced during the current quarter to 90% level from 85% completion at the end of September. Specifically, 21 kms of drainage channels and 16 no. flushing sluices were designed during the quarter and 18 flushing sluices that had been designed in the prior quarter were approved by the design circle this quarter.

The design of package 03 polders commenced during the July-September quarter and stands at about 20% complete as of 31 December 2016.

Environment

The EIAs for the six Package 02 Polders have been submitted in draft final to the World Bank for review in September 2016 after incorporating the comments of PMU, M&E Consultants and also World Bank on the earlier versions. The World Bank conducted an Environmental Safeguards Mission in November 2016 and provided additional comments. The EIAs are in the process of being finalized and will be submitted to WB only after the IPOE has commented on them.

Draft EIAs for the seven Package 03 polders are in the process of being prepared by the DDCS&PMSC. The Consultants will prepare a revised outline for the Package 03 EIAs taking into account environmental enhancement measures, reporting on consultations, and other aspects as agreed with the WB and IPOE.

The Contractor for Package 01 has prepared their Environmental Action Plan with the close guidance of DDCS&PMSC. The WB has provided comments on the EAP and it is under revision. Each polder will have its own EAP.

RAP/LAP Preparation and Implementation

Key accomplishments during the October-December 2016 quarter for Package 01 include:

- IOL update completed
- PAVC has completed its work for land valuation, structures and trees
- Entitled Persons File & Entitlement Card (EP&EC) has been generated for all non-titled EPs
- Indent and Debit Voucher prepared for making payment of compensation and benefits to second group of non-titled EPs, numbering 305 persons.
- Participation in the issuance of compensation payments to 297 of the 305 non-titled EPs.
- Most of the first batch of 1,119 compensated PAHs have already vacated the right of way.

Key accomplishments during the October-December 2016 quarter for Package 02 include:

- LA Proposals for polder 39/2C, 40/2 and 41/1 have been prepared as per requirement of the DC offices (one LAP for each Mouza) and submitted to DC office Pirojpur, Jhalokathi and Barguna in the first week of October 2016.
- Reconnaissance field visit by the DC officials of Patuakhali was carried out at Polder 48 on 16 October 2016 and at Polder 47/2 on 17 October 2016;
- Reconnaissance visit was carried out at Polder 39/2C by Pirojpur DC officials on 22 October 2016;
- District Land Allocation Committee (DLAC) meeting was held at Jhalokathi on 30 November 2016. DLAC meetings in other districts are yet to be held.
- All Focus Groups have been formed (227 is the final number instead of the 235 initially planned) and discussion started.
- The Bengali language information brochure is being distributed.
- A Tribal People's Development Plan (TPDP) for the Rakhine Community at polder 48 is being prepared.

Monitoring and Evaluation

Key activities performed during the current quarter include:

- Entry and cleaning of data from baseline survey
- Preparation for World Bank briefings
- Assistance to PMU in project reviews and assessment of issues
- Preparation of reports
- Support to PMU and DCS&PMS Consultant in critical reviews of EIAs and Contractor's EAP
- Field Visits
- PMIS Development

The M&E consultancy contract became effective 23 October 2015 and the Consultants, Sheladia Associates, Inc. of the USA in association with BETS Consulting Services, Ltd. of Bangladesh, mobilized on 01 November 2015.

Issues and Recommendations

New Issues

Seven issues have emerged during the quarter. The first of these seven issues should be considered a red flag issue given it is urgent and presents a high risk to the project.

Issue QPR5-1: Specifications Need Heightened Attention - In Particular Specifications 9.1 to 9.5 Dewatering of Subsurface and Surface Water

The Contractor of Works Package 01 has lost about 3 to 4 weeks experimenting with dewatering at Polder 32 / DS 1 (Drainage Sluice). Similar problems occurred at other Drainage Structure locations. The geo-technical conditions found in the Polders for sand pile foundations are complex. The alluvial deposits along the rivers vary within short distances. Underground sand layers are interspersed with clay and silt layers of much lower permeability. Connections to the adjacent river may exist. Sand pile foundations have the inherent potential problem of connecting groundwater layers to the surface. This may pose particular difficulties as excessive moisture/water disturbs consolidated compaction and strength of soils and concreting foundation works cannot proceed. Thus at the location of DS 1, groundwater coming up through a first sand pile flooded the excavated foundation bottom.

A dewatering plan need to be based on know-how of the local conditions. Properly executed pumping tests and relevant geo-technical survey would provide such know-how which is needed in a timely fashion. The contractual specifications are quite appropriate and may need to be revisited.

Construction periods are limited by the monsoon beginning in April/May and cropping season ending in December. This provides for a potential construction period of about 4 to 6 months. The approved work program shows a usual construction period for drainage sluices of 3 months. Specifications require a dewatering plan. The contractor is to submit such to the Engineer for approval. The approved work program considers a usual period of 3 to 4 weeks for preparation (cofferdam, excavation, dewatering). Thus, delay of dewatering following inappropriate analysis and planning could affect overall progress of works. There is a risk of works being affected negatively by an early onset of monsoon.

Recommendation: The DDCS&PMSC may need to provide added attention and assistance to the Contractor to ensure compliance with specifications and especially concerning Specifications 9.1 to 9.5 Dewatering of Subsurface and Surface Water.

Issue QPR5-2: Better Planning to be Achieved in Work Program for Package 02

As per GCC 8.3 Work Program “The Contractor shall submit a detailed time program to the Engineer within 28 days after receiving the notice...” Next the Engineer is to provide comments or accept the work program within 21 days. Under Works Package 01 this process was delayed and took six months until on 24 August 2016 the Contractor’s work program was accepted. Works under Package 02 are similar to those under Package 01, so lessons can be drawn. The equipment, manpower and time requirements of the respective works are better understood. Therefore, it has become easier to prepare more detailed work breakdown structures and to plan better and earlier. Better planning could be based on modules of micro-level work packages or aggregated BoQ items. The DDCS&PMSC

working with the Contractor should be able to approve the 8.3 work program within a much shorter period.

Recommendation:

The DDSC&PMSC is to provide the Contractor with advice on time and equipment requirements of the aggregated work items. This information should form the basis for developing work break down structure and modular schedules for each of the BoQ items which could be aggregated as per the experiences under Works Package 01. Subsequently the Contractor is to subdivide works per polder into sections and develop work programs for each section. These sectional work programs would be aggregated to a realistic and final GCC 8.3 Programme. Next the work program should incorporate resettlement requirements and associated temporary hindrances. The work program should be prioritized accordingly and incorporating the schedules and risks of the resettlement program.

Issue QPR5-3: Embankment Seepage May Be Exacerbated by Adjacent Fish Ponds

Experience under Works Package 01 showed that emergency works requirements were often correlated with fishponds or prawn ponds encroaching up to the toe of the country side of the dykes causing seepage through the dykes and failure of the river side slope. However, the approach to embankment repairs follows standards which focus the repair works on the river side. In instances, expensive embankment protection works were seen failing as the underlying cause of cross-seepage from the adjacent pond on the country side was not addressed.

Recommendation:

The design of emergency repair works should review local conditions also on the country side of the dyke. The design should consider appropriate measures on the country side of the dyke if a pond has encroached near to the country side toe. This may include compaction and earthworks on the country side slope. In this way excessive seepage through the dyke is to be prevented.

Issue QPR5-4: Review and Timeliness of Afforestation

A cyclone shelter has been located near the existing embankment at about km 17.250 of Polder 33. This is at the right bank side of the Bhola River. The embankment at this location had to be protected under emergency works, but remains endangered. Additional works are required. The contract design includes the construction of a slope and bank protection section of 500 m at this location. These hard river bank protection works could impact on river flow patterns in the medium to long term.

Looking upstream on from the Cyclone Shelter at a distance of some 200 m to 500 m a curve of the Bhola River (earlier in the Contractual Drawings this river is called Sutarkhali River) is observed with large sediment deposits on the river right bank side and mangrove forest on the left river bank side. Further inward to the country side at this location a retired embankment is to be constructed from km 17.09 to km 17.58. This retired embankment is meant to safeguard against river encroachment across the sediment deposits, apparently based on earlier relevant experience of channel changes of the Bhola River. The section at about km 17.00 (as presented on map and about km 20 + 250 of the design drawings) appears suited and needing mangrove afforestation for added protection. Afforestation is included under the project. However, it has not commenced because the NGO who would be responsible for implementing the component has not yet been contracted.

Recommendation:

The DDSC&PMSC should review the afforestation needs. The NGO responsible for the afforestation effort under the project should be contracted as soon as possible.

Issue QPR5-5: Need for Project Implementation Manual / Updating and Completion of Method Statements

Review of the contractual drawings under Works Package 01 for example of Polder 33 and comparison with the Map Showing Proposed Interventions shows that total embankment length differs being 52 km in the contractual drawing and 49.428 km. This difference of a total of about 2.5 km also results in differing chainages all along the embankment. Thus cross-sections shown in the contract drawing cannot be accurately located in the field. Also, the contractual drawings were prepared in 2012 and changes are to be expected. As such the contract drawings provide a poor or no basis for establishing actual works quantities for billing purposes.

The contractor has provided a general description of methods on 22 April, 2016. The contractor provides as quantity of earth for the embankment of 1,250,789 cum for Polder 32, of 9,978,825 cum for Polder 33, of 2,443,220 for Polder 35/1 and of 1,185,884 for Polder 35/3 for a contract total of 5,877,718 com. These figures are the same as the estimates of September 2013 and do not reflect any resurvey or update. The method statement lists technical work steps but does not include aspects of measurements as basis for final billing.

Further, method statements on dewatering, sand piling, sheet piling and other works have not yet been completed.

Recommendation:

The DDCS&PMSC should work with the Contractor to finalize method statements for the different works required under Works Package 01. These statements should include methods of measurements as basis for billing. It should identify work steps in a work break down structure. Further responsibilities of personnel should be identified. Overall method statements should be consolidated in a Contract specific (or overall) Project Implementation Manual.

Issue QPR5-6: Micro-level Planning / Monitoring Requires Strengthening

The Contractor / DDCS&PMSC have developed an MS Project file reflecting the proposed work program (GCC 8.3). The DDCS&PMSC approved this on 24 August 2016. It also was observed that approved plans became partially unrealistic quite soon after approval. The contractor also subdivided works within each Polder into several work sections / stretches following the advice of the M&E team. This approach is very reasonable as it would allow for a micro level planning approach and allows linking progress planning to the ongoing resettlement effort and consideration of remaining hindrances. Such approach could help minimize delays and claims. Over time micro-level planning in line with detailed work breakdown structures (WBS) would improve as experience would enhance knowledge of time requirements etc. The MDSP ICT Monitoring Tool, as developed by a World Bank Initiative implemented by LGED demonstrates the possibilities.

Recommendation: Strengthen the Micro Level Monitoring and planning capacity. Evaluate if modern monitoring tools such as the MDSP ICT could be adapted to the CEIP.

Issue QPR5-7: Early Prioritization of Resettlement Concerns Is Needed

Specific cases of land acquisition proved to take more time than others. These experiences should be reviewed and the level of effort should be increased to address such issues early.

Recommendation: Review the time and effort for processing particular resettlement concerns and prioritize those for early attention which proved most difficult to resolve in the past.

Red Flag Issues Unresolved from Prior Quarters

The issues bulleted here are the most critical among the issues remaining unresolved. Some elaboration is provided in the table on the pages that follow, with fuller discussion in Annex 9 – *Issues from Prior Quarters*.

- **R** Issue QPR4-3: Relocation Planning and Assistance to be Improved. The PRAC has been formed but is not yet functioning while about 20% of Package 01 EPs have already vacated the ROW.
- **R** Issue QPR4-4: Livelihood Restoration Program Needs Attention. No training needs assessment has been done and no training delivered to date.
- **R** Issue QPR3-2: Equipment Mobilized on Contract W-01 is Inadequate. The equipment mobilized is at 58% of the level estimated to be required in August 2016, but the Contractor is far behind schedule so the equipment required is even greater now. The limited number of Sand Piling Equipment is of particular concern. One Sluice gate, for example DS 13 of Polder 33 will require 623 sand piles. The Contractor has started works on 13 Sluice Gates, and more than 8000 sand piles will have to be completed in the remaining dry season working days. The Consultant reported that the Contractor had mobilized 5 numbers of sand piling machines with capacity of 100 sand piles per day; and these had already arrived at the Mongla port. However, the specifications of this equipment were found to be inappropriate as the machines would cause excessive vibrations. Thus the contractor will have to rely on locally available semi-manual sand piling rigs with a limited capacity of some 6 sand piles per day.
- **R** Issue QPR2-2: DPP (GoB Authorizing Document) and Loan Agreement Amount Requires Amendment to Accommodate Cost Increases in estimated cost of works, land acquisition and consulting services (and change in the USD/SDR Exchange Rate). This process takes as long as one year or more.
- **R** Issue QPR2-10: Capacity Building and Independent Advice Needed for PMU/BWDB in FIDIC and Contract/Claims Management
- **R** Issue QPR1-4: LAP and RAP and the compensation payments must be expedited so that work sites can be handed over to the Contractor
- **R** Issue QPR1-5: Recruitment of NGOs and Consultants: According to the policy of the GoB, work on WMO formation should begin prior to commencement of civil works so that users are consulted during implementation of the project and to ensure ownership and commitment to effective O&M.

All of these “red flag” issues are both urgent and important and they must be pursued in parallel. The resettlement and land acquisition processes are particularly worrisome, given the length of time it is taking on Package 01 so far. While the first RAP was prepared in 2015, it took almost one year to make the first payment to non-titled EPs and the land acquisition process has not yet begun due to delays in land valuation. Currently, it is projected that payments to the last of the non-titled EPs in Package 01 will likely be completed only in April 2017 and then the EPs are given 30 days to move. Compensation to most titled EPs for their land will stretch beyond that. Of course, the Package W-01

Contractor has unencumbered stretches available and can work around the stretches that EPs are to vacate.

Status of All Issues Raised in Prior Quarters

The issues from the prior Quarterly Progress Reports are summarized in the table that appears at the end of the Executive Summary along with the status of recommendations. A fuller discussion of these issues is presented in Annex 9: *Issues from Prior Quarters*.

Summary of Plans for the Next Two Quarters

Procurement: Package 02 Works Contract will be signed in the next quarter. As for Package 03, the design and tender document preparation will continue and a decision about whether to defer this package to Phase 2 will be made later.

The Procurement Panel is to complete the negotiation and it is hoped that PMU will be able to sign the contract with the first-ranked firm on the Long-Term Monitoring, Research and Analysis of Bangladesh Coastal Zone Consultancy during the January-March quarter. Otherwise, steps will have to be taken to re-advertise depending on the recommendations of the Procurement Panel and position of the World Bank. PMU will complete the evaluation of EOIs for the Social Afforestation and Social Action Plan NGOs, obtain no objection from the WB, issue the RFP and complete evaluation of the proposals. The replacement Financial Management Specialist for PMU will be selected and mobilized and PMU will complete recruitment of the PMU Communications Officer and other individual consultants (including IPOE) to be recruited. The Procurement Specialist's contract must be extended as it has expired on 31 October 2016.

Design: Detailed design of Package 02 was expected to be fully completed by 30 September 2016, but stands at 90% complete, so completion of this work will be a priority in the next quarter. For Package 03 detailed design was to be 50% complete by 31 December 2016, but stands at 20% complete. Modeling for detailed design stands at 97% complete compared to the expected 100% level and it will be completed in the upcoming quarter. Geotechnical surveys and investigations will be undertaken starting in January 2017.

Works: By 31 December 2016, 30 kms of embankment, 10 drainage channel upgrades and 2.45 kms of river bank protection works were targeted to be completed. This has not been achieved. In the next two quarters, in order to catch up, 90 kms of embankment, 10 drainage channel upgrades, 7.95 kms of river bank protection works, 15 drainage structures, 60 kms of drainage channels, and 18 flushing inlets are to be completed. In addition, the construction of the office and laboratory in Khulna are nearly completed and are expected to be fully done during the next quarter. The Package 01 Works Contractor is to close the major gaps in equipment mobilization. The Package 02 Contractor is expected to mobilize and begin works in the fourth quarter – April-June 2017.

Construction Supervision: Physical progress S curve is to be developed by the DDCS&PMSC with guidance of PMU and M&E Consultants. The DDCS&PMSC is transitioning towards the Supervision and Contract Management Role and will further develop or prepare the associated procedures and Manuals of Construction Supervision, Quality Assurance and Risk Management. The latter is to include in particular the management of risks associated with the resettlement / land acquisition requirements.

The DDCS&PMS Consultants will complete the preparation of Bidding Documents for Package-3 by taking into account the lessons learned from Package-1 and Package-2. The DDCS&PMSC progress

report Gantt Chart shows finalization and approval of the Bidding Document for Package 3 for 13 February 2017 and award of contract for 6 October 2017, but this will have to be updated in the next quarter to reflect the latest actual conditions.

Resettlement: The plans for RAP and LAP covering the next two quarters include:

- Finalizing Package 01 RAP and complete its translation into Bengali
- Finalizing Package 02 RAP
- Program for development of strategy and action plan for settlement of pending land legacy issues with timetable
- Program for development of database of land ownership and land taking under existing embankments with timetable.
- Strategy and action plan for permanent relocation of displaced squatters for Package 01
- Completing the payment of compensation for all non-titled EPs of Package 01 by April 2017
- Starting the payment of compensation for land of the titled EPs of Package 01
- Starting the payment of compensation for Package 02 EPs
- Ensure PAVC and GRC members are in place and convening for both Package 01 and 02
- Ensure PRAC is functional and pro-actively supporting PAPs that will be displaced in both Package 01 and Package 02 areas.
- For Package 03, maps will be collected, plot schedule prepared and preparation of LAPs will commence.

Environmental Safeguards: The EIAs for the six polders of Package 02 will be issued in final and approved by the Regional Safeguards Advisor of the WB. EIAs for the seven polders of Package 03 will be completed using an updated model outline. An environmental audit will be conducted, Bi-Annual Environmental Monitoring Report prepared, and environmental management and monitoring training for the Package 01 contractor and consultant staff will be conducted.

Monitoring and Evaluation: The M&E Consultants are to prepare the sixth Quarterly Progress Report, prepare the Baseline Survey Report, conduct a Baseline Survey Results Workshop, improve on the beta version web-based PMIS, undertake an environmental audit, monitor the performance of CEIP-1 and provide M&E training. They will also participate in the expected Mid-Term Review and any ISR missions of the World Bank.

Administrative: The DPP will need to be revised and discussions on this may commence in the next two quarters.

Status of All Issues Raised in Prior Quarters

Issues	Recommendation in brief	Status	Follow-up Actions
from QPR4			
Issue QPR4-1: Land Acquisition Cost Has Increased Dramatically	World Bank and GoB to consider and formally agree on the budget re-appropriation and financing to meet the increased land acquisition costs.	NOT RESOLVED The World Bank and GoB will discuss possible solutions when about 40% disbursement is reached.	Re-open discussion in 2018.
Issue QPR4-2: Delay in Signing of Contract for Works Package 02	World Bank and GoB agree on way forward, given shortfall in land acquisition budget.	RESOLVED Notice of Award issued and contract signing will proceed with a caveat that full works on two polders will depend on obtaining LA financing.	
Issue QPR4-3: Relocation Planning and Assistance to be Improved Flagged RED	<ol style="list-style-type: none"> The DDCS&PMS Consultants (through their RAP team) should develop a tally of each and every PAH as to where they are moving, whether temporary or permanent, etc. and verify this information. PRAC should begin to function immediately and be given an orientation by DDCS&PMS Consultants and PMU's Senior Social Specialist as to their mandate and operation guidelines and some logistic support provided so they can execute their responsibilities. Make sure that the PRAC for Package 02 is operational before the resettlement process advances to relocation stage. DDSC&PMS Consultant and the PRACs should monitor and report any cases where squatters are having difficulty identifying a place to relocate. EPs to be informed in advance of the total estimated amount of compensation they are to receive under the entitlement 	<ol style="list-style-type: none"> RESOLVED NOT RESOLVED IN PROCESS AGREED, BUT NOT YET IMPLEMENTED. 	<ol style="list-style-type: none"> To be followed going forward PRACs need to convene and some modest honorarium is required. To be followed going forward To be implemented by RAP Consultants and/or PMU and reported.

Issues	Recommendation in brief	Status	Follow-up Actions
	<p>framework specified by the RAP and not left to guess how much they will get until the day they receive their check. Such advance information would allow the EPs to know how much they have to work with when looking for a new place to live.</p>		
<p>Issue QPR4-4: Livelihood Restoration Program Needs Attention Flagged RED</p>	<p>There is no plan for the livelihood restoration program. The DDCS&PMSC should develop a training program and oversee its implementation. A needs assessment must be conducted of each PAH, taking into account their skills, resources, risk tolerance, desires and business/ livelihood opportunities at the sites/locations where they are relocating. Then a relevant training program (having relevant tailored content, sequencing of a series of topics, and refresher trainings) must be developed and delivered with outcome-based targets. The training should commence prior to relocation and continue afterwards.</p>	<p>NOT RESOLVED</p>	<p>DDCS&PMSC to report on the actions it is taking.</p>
<p>Issue QPR4-5: PMU Team Needs Assistance</p>	<p>All the required PMU staff should be recruited.</p>	<p>IN PROCESS</p>	<p>Recruitment should be expedited.</p>
<p>Issue QPR4-6: Environmental Monitoring Capability Must be Strengthened Further</p>	<ol style="list-style-type: none"> 1. Environmental monitoring and mitigation training must involve a series of sessions. The training program must be developed and implemented without delay since the construction season has commenced in late September. 2. As already recommended by the DDCS&PMS Consultants, the Contractor should appoint at least one Environmental Officer and polder-wise 	<ol style="list-style-type: none"> 1. PARTIALLY RESOLVED The training program has not been laid out, though training is taking place. 2. PARTIALLY RESOLVED One Environmental Officer has been appointed, but the polder-wise environmental staff carry additional (non-environmental) duties. 	<p>Training program to be outlined. Polder-level environmental staff to be monitored as to effectiveness.</p>

Issues	Recommendation in brief	Status	Follow-up Actions
	environmental monitors should be in place that carry no other responsibility.		
Issue QPR4-7: Preparation of CEIP-Phase 2 Should Commence Soon Given the Serious Need	Since project preparation and appraisal takes a substantial amount of time and the need for embankment improvement in the coastal polders is apparent, it is recommended that the World Bank and GoB begin planning for the preparation of CEIP-2 as soon as practically possible.	NOT YET STARTED	Follow-up during future supervision missions.
from QPR3			
Issue QPR3-1: Security is a Growing Concern	The security situation in Bangladesh has not directly affected the works or services as of this time, but judgment and caution must be exercised for any travel within the country. Signage at campsites may be made inconspicuous. Consultants and Contractors may wish to develop and put in place a security plan for their Dhaka staff and field staff.	RESOLVED for now, but CAUTION required. The Contractor has actually suggested they wish to avoid erecting certain signboards at campsites so that the presence of foreigners is not so conspicuous. PD has written to the police in the project area and they have standing orders to accompany staff to the field when requested. The building in Dhaka where the DDCS&PMSC hold office has been guarded by armed police since August 2016.	Security risks should continue to be monitored as they could constrain field activities of international staff. Police guards at the Dhaka office of the Consultants should be maintained through 2017.
Issue QPR3-2: Equipment Mobilized on Contract W-01 is Inadequate Flagged RED	Given that the monsoon season precludes earthwork, the Contractor should use this season to fully equip its operation so that work can begin without delay and in earnest in October.	PARTIALLY RESOLVED. With the delivery of additional pieces of equipment, the equipment mobilized by the Contractor has reached 58% of the required equipment strength as per the Engineer's estimate <u>early in 2016</u> . The number of excavators is now improved with 41 units in country of the 49 estimated to be required. An additional 13 bulldozers, 57 dump trucks and 2 more	Additional equipment needs should be identified and equipment procured or rented immediately.

Issues	Recommendation in brief	Status	Follow-up Actions
		CC block manufacturing machines were also delivered. <u>This will be helpful, but does not fully close the gap.</u> Sand pile driving equipment (4 of 28), sheet pile driving (0 of 7) and vessels (6 of 22) and the overall level of equipment continue to be seriously inadequate <u>especially considering the need for catching up with the approved Work Program.</u>	
from QPR2			
Issue QPR2-1: Overall Reporting System Needs Attention and Improvement	Reports should be submitted on time by all consultants, otherwise this consolidated report will be delayed or incomplete. It is essential that reports segregate current period accomplishments and activities from cumulative numbers and compare monthly/quarterly progress against monthly/quarterly plans. Explanations of deviations from plan should be provided.	PARTIALLY RESOLVED. The M&E Consultants and PMU have provided guidance on the content and presentation of reports and continue to work with the DDCS &PMS Consultants in a collegial manner. Report content continues to improve. Reports are now on time.	DDCS &PMS Consultant reports need further improvement in segregating activities and accomplishments by quarter, showing plans, and sometimes in being up to date.
Issue QPR2-2: DPP (GoB Authorizing Document) and Loan Agreement Amount Requires Amendment Flagged RED	The construction works are now estimated to cost more than planned due to a number of reasons. Also the USD/SDR exchange rate has changed resulting in a budget shortfall. A DPP revision should be prepared without delay capturing whatever changes are required since package 03 may not be able to be tendered otherwise. The PMU should continue to consult the World Bank. The DDCS&PMSC Consultants should provide an estimate of likely works package 03 costs.	NOT RESOLVED. A rough estimate of Package 03 works costs has been provided to the PMU. Land Acquisition Costs have also increased and DDCS&PMSC have provided an outline of alternative options including reduction in works by eliminating two polders from the scope.	Any other required changes for works and consultancy services contracts should be captured and the revised DPP drafted so that key changes can be approved before budget constraints delay or hamper project implementation.
Issue QPR2-3: JVS on Polder 35/1	BWDB may request the DC to give priority to completing (i) the compensation rates for non-	RESOLVED. JVS for remaining section of	

Issues	Recommendation in brief	Status	Follow-up Actions
and Land Valuation in Package 01 Appears Stalled Flagged-RED	titled PAPs and thus enable updating of the RAP, payment calculations and issuance of checks by the PD, and (ii) the JVS of Polder 35/1.	polder 35/1 completed in September 2016.	
Issue QPR2-4: There may not be a consistently systematic approach to document processing and control	Each survey or technical report needs submission through a formal process. Copy should be provided to IPOE and the M&E Consultant. A table of reports and review status should be provided by the DDCS&PMS Consultants at the end of every quarter.	PARTIALLY RESOLVED. Improvement is noted as technical reports are generally being submitted to PMU and M&E Consultant. A table of reports is being provided by DDCS&PMSC.	DDCS&PMSC will consistently follow the recommendation.
Issue QPR2-5: Measure of physical progress needs to be developed	Currently, the S-curve presented in the DDCS&PMSC reports shows cumulative physical progress (actual versus planned) only in financial terms. De facto, this will always show physical progress ahead of financial disbursement and will not provide any alert as to potential cost overrun. A weighting of physical progress is required, building up from the BOQ elements and not directly related to the cost of these items. The DDCS&PMS Consultants to propose an approach and meet with PMU and M&E Consultants to discuss and finalize.	NOT RESOLVED. DDCS&PMS Consultant has prepared and shared one approach for assigning weights at the highest level (14 BOQ items). This has been discussed briefly with M&E Consultants. The Consultants have also adopted a percent progress formula for embankment works that is based appropriately on cum of earthwork. This is a good step.	DDCS&PMSC to propose methodology and organize a meeting with PMU, IPOE and M&E to finalize the weighting of physical elements of the works.
Issue QPR2-6: Environmental Concerns may need attention – mitigation for fish migration	DDCS&PMSC to study the question and inform their plans for satisfying the requirement for free passage of migrating fishes from three perspectives – 1) physical design; 2) construction work methods; 3) hydraulic structure operation guidelines. In addition, the	PARTIALLY RESOLVED. M&E Consultants met with the Fisheries Expert of DDCS&PMSC to elaborate the concern and provide guidance.	DDCS&PMSC to explain options and make their recommendations to PMU.

Issues	Recommendation in brief	Status	Follow-up Actions
	question must be answered as to who (what agency) will practically ensure (and how) that fish spawning needs are looked after in the operational planning and decision-making with respect to water control structure operation.		
Issue QPR2-7: Periodic Environmental Reports Required	DDCS&PMS Consultants to prepare Environmental Compliance Monitoring Reports and quarterly, semi-annual and annual environmental reports. PMU to provide guidance on the content and format of these reports.	PARTIALLY RESOLVED. PMU, M&E Consultants and World Bank have provided some guidance on the content of various environmental reports. 1 st and 2 nd Bi-annual Environmental Monitoring Report has been submitted by the DDCS&PMSC with assistance of M&E Consultants and PMU. Additional improvements will be needed.	Future periodic reports on environment to be prepared by DDCS&PMSC. PMU's Senior Environmental Specialist and M&E Consultants will support as appropriate.
Issue QPR2-8: Recently Procured Project Vehicles Have Not Been Assigned to the Field	It is observed that none of the 11 project vehicles recently procured by PMU and delivered to the project have been allocated to the field. While currently the vehicles provided by the Contractor for PMU field staff appear to be adequate, the works have barely gotten underway. Procurement of a few more vehicles is planned and it is recommended these vehicles be made available to the implementation staff in the field offices as the field work will soon intensify.	PARTIALLY RESOLVED. PMU in the field has been provided with 2 vehicles by the Contractor for Package 01, so there is sufficient transport available for the time being.	Vehicles purchased in the future may be allocated to the field as packages 2 and 3 will result in more transport demand due to intensified field work.
Issue QPR2-9: Construction Supervision Systems to be	Given the transition from Survey and Design Phase to Construction Supervision Phase, Construction Supervision Management Systems need to	PARTIALLY RESOLVED. DDCS&PMS Consultants continue to elaborate and	DDCS&PMS Consultants will report on the status of their systems by system element in

Issues	Recommendation in brief	Status	Follow-up Actions
Strengthened	be put into place (or strengthened), including Quality Assurance System, Contract Supervision and Management, Daily Site Reporting Formats, Safety Manual, Safety training, Registration Formats for all Workers and ID system, Billing Formats and Procedures, Variation Management and Procedures, and training of DDCS& PMSC site supervisors and Contractor's Site Construction Managers, etc.	improve their systems.	their monthly and quarterly reports.
<p>Issue QPR2-10:</p> <p>Capacity Building and Independent Advice Needed for PMU/BWDB in FIDIC and Contract/Claims Management</p> <p>Flagged RED</p>	<p>The PMU staff, and BWDB more generally, are not conversant with FIDIC Conditions of Contract, Contract Management and Claims Avoidance/ Management. While Consultants have been hired to serve as Engineer, the Owner needs to understand the roles, authorities and responsibilities of each party in order to effectively manage the Project. Training may be provided and would be of great use given the upcoming award of two additional large construction contracts under CEIP-1. Currently, the PMU has no in-house expertise for advice on contract issues.</p> <p>With respect to advice on contract issues, the PMU should recruit an independent specialist for this purpose.</p>	<p>NOT RESOLVED.</p> <p>The World Bank, during its June 2016 mission, signaled its willingness to consider whatever support PMU might need. PD has started a discussion with senior BWDB officials concerning PMU support requirements.</p> <p>The WB provided an experience-sharing opportunity in the first week of October for the PD CEIP-1 with other PDs.</p> <p>The DDCS&PMSC who also has the responsibility to provide project management support to the Client may be tapped for some capacity building on-the-job. The M&E Consultants could provide such expertise, with an amendment to the ToR and resources.</p>	<p>PD to decide on appropriate option to pursue in consultation with the BWDB, Ministry and then World Bank.</p>

Issues	Recommendation in brief	Status	Follow-up Actions
from QPR1			
<p>Issue QPR1-1:</p> <p>Physical Progress on Works Package W-01 is in danger of being delayed.</p>	<p>i. Contractor to hire equipment until their own equipment is available.</p> <p>ii. Administration of the works would best be managed polder-wise, meaning that a deputy PM or someone in authority should be posted at each polder to permit simultaneous works in four polders.</p>	<p>i. PARTIALLY RESOLVED</p> <p>ii. RESOLVED</p> <p>i. The Contractor complied after delay and only after replacement of the PM. Contractor had rented in some equipment in Q3 and taken delivery of substantial equipment since, but still not adequate in view of DDCS&PMS Consultant. Permanent works progress very limited.</p> <p>ii. Complied</p>	<p>DDCS&PMSC should continue to review the adequacy of equipment available at site. The issue of early start-up with rented equipment should be taken up during the Pre-contract meeting for Works Package 2 & 3.</p> <p>To be followed through for the next two works packages.</p>
<p>Issue QPR1-2:</p> <p>Contractor for Works Package W-01 has a limited ability to communicate due to language barrier.</p>	<p>i. Contractor should bring in additional bilingual (Chinese-English) staff or make interpreters available.</p> <p>ii. The Contractor may also bring in a qualified Bengali sub-contractor to assist not only with works, but with communication and cultural understanding.</p>	<p>i. RESOLVED</p> <p>ii. RESOLVED</p> <p>i. Contractor has appointed interpreters to serve on each of the four polders.</p> <p>ii. Contractor has hired a Bangladeshi sub-contractor.</p>	<p>Consider requiring communication as an explicit part of bid requirement for Package 03.</p>
<p>Issue QPR1-3:</p> <p>Procurement of Works Contractors by ICB has failed to attract broad international interest</p>	<p>i. For future packages, the Pre-Qualification criteria should be reviewed and possibly adjusted (for example, to better specify the meaning of experience in similar projects to include physical, logistic and complexity aspects relevant to the Bangladesh coastal zone) and past performance references should be checked.</p> <p>ii. Exceptionally low priced bids should be eliminated from consideration.</p> <p>iii. Consider the option of issuing bid packages of 2-3 polders each for the remaining works.</p>	<p>i. RESOLVED.</p> <p>ii. NOT RESOLVED.</p> <p>iii. RESOLVED.</p> <p>i. DDCS&PMSC have agreed to review for Package 3 works.</p> <p>ii. Pending, but may not be possible under procurement rules.</p> <p>iii. Discussed with World Bank and declined.</p>	<p>Needs to be reviewed for Package 3 works.</p>

Issues	Recommendation in brief	Status	Follow-up Actions
<p>Issue QPR1-4:</p> <p>LAP and RAP and the compensation payments must be expedited so that work sites can be handed over to the Contractor</p> <p>Flagged RED</p>	<p>i. Appointment of PAVC members must be completed quickly.</p> <p>ii. PAVC must finalize the compensation rates for various types of losses without delay.</p> <p>iii. Handing over of the sites to the contractor should be done in sections as areas become fully unencumbered.</p> <p>The DDCS&PMSC/RAP Consultants will have to maintain a calendar projecting when certain sections of the embankments will be free of hindrances to allow the Contractor to plan their works.</p>	<p>i. RESOLVED FOR PKG 01</p> <p>ii. RESOLVED FOR PKG 01</p> <p>iii. PARTIALLY RESOLVED</p> <p>i. PAVC appointed for Package 01 in December 2015.</p> <p>ii. Rates for various assets set by PAVC. Land valuations are finally done for Package 01.</p> <p>iii. M&E Consultant has requested the DDCS&PMSC for a detailed risk assessment approach. Accordingly, the Consultant has prepared a section-wise approach to construction planning. The DDCS&PMSC / KMC are to provide LA requirement details for each of the 11 construction BoQ works items separately so as to better assess risks.</p>	<p>PAVC members for Package 02 may be appointed without delay.</p> <p>System for tracking unencumbered sections by way of a calendar yet to be developed.</p>
<p>Issue QPR1-5:</p> <p>Recruitment of NGOs and Additional PMU Staff is to be phased in during the next two quarters</p> <p>Flagged RED</p>	<p>PMU to develop a time-bound plan for procurement/ recruitment of these consultants and services – e.g., IPOE, Afforestation/WMO NGO, Specialists for PMU field offices, FIDIC/Contracts Specialist, etc.</p>	<p>PARTIALLY RESOLVED</p> <p>Recruitment of some consultants programmed by PMU; Recruitment and procurement process is taking much time.</p>	<p>Balance of recruitment plan to be developed based on need by PMU in collaboration with M&E Consultants and DDCS&PMSC. TORs to be reviewed and updated.</p>
<p>Issue QPR1-6:</p> <p>The M&E Consultants will be required to expend additional resources given the need for multiple baselines and large sample required</p>	<p>The M&E Consultants to prepare a detailed justification for the additional resources required and submit to BWDB and World Bank for approval.</p>	<p>NOT RESOLVED</p> <p>A preliminary draft justification has been shared with PMU.</p>	<p>M&E Consultants to discuss the requirements with PMU.</p>

Issues	Recommendation in brief	Status	Follow-up Actions
<p>Issue QPR1-7:</p> <p>Reporting Formats of implementing partners do not consistently provide needed information</p>	<p>M&E Consultant will continue to work with the other consultants to develop a clear format for the reporting of all project inputs, processes and outputs.</p>	<p>PARTIALLY RESOLVED</p> <p>Being done continually.</p> <p>This issue has been repeated in QPR2 with some elaboration.</p> <p>DDCS&PMSC have substantially improved their monthly progress report starting August 2016.</p>	<p>Follow-up to be continued.</p> <p>DDCS&PMSC are responsive to the advice and proposals regarding reporting requirements.</p>

1. PROJECT BACKGROUND

After the implementation of CERP-II, cyclone SIDR struck in 2007. The Government of Bangladesh obtained a Credit of US\$ 375 million from the International Development Association (IDA) and a Grant of US\$ 25 million the Climate Investment Fund (CIF) to finance the cost of the Coastal Embankment Improvement Project-Phase I (CEIP-I).

The objective of the investment is to support the Government of Bangladesh's efforts to protect the population and their productive assets in the polders and strengthen the embankments' long-term durability through embankment heightening, improved drainage, and foreshore afforestation.

The project aims at restoration of the agriculture sector within the polder areas and rehabilitation of infrastructure with "build back better" designs that can guard against both tidal flooding and frequent storm surges.

The project will pilot the mobilization of Water Management Organizations (WMOs) to provide coordination among the competing needs of various users and to ensure sustainability by assigning maintenance responsibility to the WMO.

The project will also provide long term monitoring of the coastal zone, technical assistance, and strategic studies and training to strengthen the role of the polder infrastructure in protection of human lives, physical assets, the environment and agricultural productivity.

Most importantly it will support the initial implementation of the first slice of a fifteen to twenty year program for polder scheme rehabilitation and upgrading. Given Bangladesh's high level of vulnerability to natural disasters and climate change, and the large population residing in the coastal zone, this project is vital to its development. A Map showing the Polders included under the Project is presented in Annex 1. The basic characteristics of the polders included under the Project is presented in Annex 2.

The QPR covers the entire Project, with all components as presented below:

Component A - Rehabilitation and Improvement of Polders (US\$291 million).

Component A1: Rehabilitation and Improvement of Polders (US\$ 286 million). (US\$ 266 million from IDA Credit; 20 million Grant from PPCR). The reconstruction and rehabilitation works will be designed with improved standards so that protection is for both tidal flooding and frequent storm surges. Investments will include improving O&M systems improvements.

Component A2: Afforestation (US\$5 million). Afforestation is important as it provides protection from tidal flooding and storm surge. This will include:

- Planting selected mangrove and other salt tolerant species are planned on BWDB's on the riverside of the embankment.
- Planting a range of commercial wood, fruit and other shallow rooting social forestry tree species is proposed on the foreshore lower slopes of embankments.

Plantings would commence after resolving land ownership and competing land-use (fish and shrimp ponds, rice paddies, livestock grazing, settlement, etc.) issues and the completion of needed earthworks on the embankments.

Component B-Implementation of Social and Environmental Management Frameworks and Plans (US\$56 million).

Component B1: Implementation of Social Action Plans (US\$3 million). It is envisaged that this component, along with the social afforestation (Component A2) will be implemented through a well-established Non-Government Organization (NGO). Social mobilization is expected to last around two years. This will be piloted in 4-6 polders and follow an eight step process, as identified in the Guidelines for Integrated Planning for Sustainable Water Resources Management, published by BWDB in 2008. The objective is to enable participatory WMOs to become responsible for the operation and minor maintenance works of the polders under a memorandum of understanding with BWDB and enhance efficiency of local water management with their involvement. Should the participatory approach prove to be successful, it would be scaled up under the next phase of investments.

Component B2: Implementation of Social Management and Resettlement Policy Framework (SMRPF) and Resettlement Action Plans (RAPs) (US\$49 million). This component will finance:

- (i) the implementation of the RAP, including land acquisition and the resettlement and rehabilitation of PAPs,¹
- (ii) the development of a system to computerize land acquisition and resettlement data with Global Positioning System (GPS) reference,² and
- (iii) an independent institute to undertake surveys and verify field data in order to guard against improper targeting of beneficiaries and/or false delivery of benefits in case of RAP.

Component B3. Implementation of EMF and EMPs (US\$4 million). This component will finance:

- (i) the preparation of EIAs for all remaining polders;
- (ii) the implementation of the Environment Management Plan (EMP) and environmental mitigation and enhancement measures; and
- (iii) the establishment of an environmental monitoring system in BWDB.

Some of the items under EMP will be integrated with the civil works and included in the budget of Component A1.

Component C- Construction Supervision, Monitoring and Evaluation of Project and Coastal Zone Monitoring (US\$32 million)

Component C1: Detailed Design and Construction Supervision (US\$16 million). This component will cover consulting services for

- (i) surveys, designs of remaining polders to be included in the project (other than the 5 for which detailed designs have already been completed), and
- (ii) Construction supervision of rehabilitation and improvement of coastal embankments.

The component will also finance surveys required prior to construction work.

Component C2: Third Party Monitoring and Evaluation of Project (US\$4 million). This component will cover consulting services for continuously monitoring project activities and providing feedback to the government and the implementing agency on the project's performance. This includes supervising the implementation of the Governance and Accountability Action Plan (GAAP), EMP and RAP. This will be provided through third party assessment and monitoring of key aspects of project implementation.

¹ Component B2 (i) is allocated to Capital Expenditure Category 4.a Acquisition of Land (544.16 ha)

² Component B2 (ii) is included under the ToR of the Consultancy Services for Detailed Design, Construction Supervision & Project Management Support (Contract Package No. CEIP-1/B2,B3 & C1/S2) i.e. under ToR items B4 and C3.

Component C3: Long Term Monitoring, Research and Analysis of Bangladesh Coastal Zone (US\$12 million at appraisal, but \$8.5 million in DPP). (US\$7 million from IDA credit; US\$5 million Grant from PPCR).

The project will support a comprehensive monitoring and morphological assessment of the Bangladesh Delta by financing procurement of goods, services, and incremental operation costs including for advanced technology and equipment, high resolution remote sensing images etc. This work will be carried out by key institutions in Bangladesh in cooperation and twinning arrangements with international institutions and experts concerning specific topics.

Component D - Project Management, Technical Assistance, Training and Strategic Studies (US\$21 million).

Sub-Component D1: Project Management Unit (PMU) will be established and maintained and all necessary audit reports financed;

Sub-Component D2: Technical assistance and training will support the coordination and management of the PPCR at program level and provide institutional capacity building, technical assistance and training for BWDB.

Component D3: Strategic studies and future project preparation: whereby resources will be provided for needed strategic studies (including the continuous updating of the strategic polder assessment as well as all necessary preparatory studies for following phases of the CEIP.

Component E - Contingent Emergency Response: This component is included to enable a speedy response in the event of a serious calamity. It will enable quick re/allocation of funds for such event, but has no fund allocation at appraisal.

2. PROJECT INPUTS

2.1 Finance and Disbursements

Tables 1 and 2 present the Revenue/ Input Expenditure Data as well as Capital / Output Expenditure Data as of 31 December 2016. Revenue expenditures in the first two quarters reached only 11.6% of the planned expenditures for the current FY (column 8, last row).

Table 1: Revenue Expenditures / Input Cost up to 2nd Quarter of FY 2016-17 (as of 31-Dec-16)

All BDT in Lakh Taka ("00,000)										
Services Package	Planned for		Progress				Achieved (%) of this FY against		Cum. achieved against the Total Project Cost	
	Total Project	FY 2016-17	Cum. upto last FY	This (2nd) Quarter of the FY	This FY		This FY's Plan	Total Project		
	BDT	BDT	BDT	BDT	BDT	US \$	%	%	%	
Rf #	1	2	3	4	5	6	7	8	9	10
1. Implementation of SAP and EMP										
0 Resettlement / Compensation Payments other than Land Acquisition	26,918.60	4,500.00	2,000.00	584.76	584.76	740,203	13.0%	2.2%	9.60%	
2. Construction Supervision, M&E, Delta Monitoring				-						
2.a Consultancy Services for Construction Supervision & Detailed Engineering Design of remaining 12 Polder under CEIP, Phase-1	13,659.28	3,188.06	3,365.92	453.96	453.96	574,633	14.2%	3.3%	27.97%	
2.b Third Party Monitoring & Evaluation (M&E) of overall project implementation, RAP & EMP	2,609.09	1,000.00	398.75	-	-	-	-	-	15.28%	
2.c Consultancy Service for Long term monitoring, research of Bangladesh Coastal Zone	6,709.09	800.00	-	-	-	-	-	-	-	
3. Project Management, TA, Training, Strategic Studies				-						
3.a Project management support and audits	11,507.99	685.70	1,209.39	171.64	190.39	241,000	27.8%	1.7%	12.16%	
4. Overseas Training	745.45	124.24	203.19	-	-	-	-	-	27.26%	
5. Honorarium/ Fees/ Remuneration	30.00	2.00	3.39	-	-	-	-	-	11.30%	
<i>Other Activities not yet undertaken</i>	<i>7,056.30</i>	<i>300</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
Sub-total Revenue Component	69,235.80	10,600.00	7,180.64	1,210.36	1,229.11	1,555,836	11.60%	1.78%	12.15%	

Source: IMED-05 report (December 2016) of CEIP-1 for 2nd Quarter of FY(2016-2017) [Oct to Dec 2016]

1 USD=79 BDT

Capital expenditures (Table 2) reached only 8.0% of this year's plan.

The weak level of disbursements in the first half of the fiscal year is to be expected to some degree because the budget approval process must be completed before expenditures can be made. Further, the physical activities of the first quarter, which are generally paid in the second quarter, are always muted due to the monsoons. However, we may compare to the first half of the prior year. Revenue expenditures so far this year stand at 1.78% of project total compared to 1.90% in the first two quarters of last year. Revenue expenditures have declined slightly due to the delay in completing procurement of the remaining consultancies and there are also some payments being made in January just after the close of the 2nd quarter for invoices submitted during the first half.

Capital expenditures during the first two quarters of this year were 1.17% of the total project budget compared to 1.44% in the first two quarters of the prior year. Capital expenditures in the first half of this year have lagged compared to the same period one year ago, but almost all of the prior year's expenditure was due to the mobilization advance payment rather than actual physical work.

Table 2: Capital Expenditures / Output Cost as of 2nd Quarter of FY 2016-2017 (as of 31 Dec 2016)

Goods & Works Package		All BDT in Lakh Taka ("00,000)								
		Planned for		Progress				Achieved (%) of this FY against		Cum. achieved against the Total Project Cost
Component / Sub-Component		Total Project	FY 2016-17	Cum upto last FY	This (2nd) Quarter of the FY	This FY		This FY's Plan	Total Project	
		BDT	BDT	BDT	BDT	BDT	US \$	%	%	%
Rf #	1	2	3	4	5	6	7	8	9	10
2.	Equipment and goods under Comp. B, C, D (6800)	1,545.30	450.00	702.83	-	-	-	-	-	45.48%
4.a	Acquisition of Land (544.16 ha)	8,852.40	6,000.00	2,806.25	-	-	-	-	-	31.70%
5.a	General Mobilization	4,318.10	27,950.00	-	1,067.92	2,740.64	3,469,165	9.8%	63.5%	63.47%
5.b	Construction/Re-sectioning of Embankments	53,482.10	-	-	-	-	-	--	-	-
5.n	Miscellaneous	2,312.29	-	6,662.09	-	-	-	--	-	288.12%
Other Activities not yet undertaken		163,957.72	-	-	-	-	-	--	-	-
Sub-total Capital Component		234,467.91	34,400.00	10,171.17	1,067.92	2,740.64	3,469,165	7.97%	1.17%	5.51%
		Source: IMED-05 report (December 2016) of CEIP-1 for 2nd Quarter of FY(2016-2017) [Oct to Dec 2016]								1 USD=79 BDT

Table 3 presents the input and output ratio (expressed as a percentage) of expenditures which shows a 45% actual input/output ratio compared to a planned 30.8% during FY 2016-17 and an overall life-of-Project target of 29.5%³. The first two quarter results are skewed due to the delays in physical works expenditure in the current (2nd) quarter and the fact that there are limited works in the first quarter of every year due to rains.

Table 3: Revenue-to-Capital Expenditure Disbursement Rate

	Planned for FY 2016-17	Actual for FY 2016-17	Overall Project
	US\$	US\$	US\$
Revenue Expenditure	13,417,722	1,555,835	87,640,253
Capital Expenditure	43,544,304	3,469,165	296,794,823
Revenue : Capital	30.8%	45%	29.5%

As of December 2016 the Loan had become effective for 40 months. According to the IMED reports prepared by PMU, total disbursement by the project to date is US\$26.99 million, up from US\$ 24.09 million at the end of Q1 (September 2016) and US\$ 21.97 million at the end of last year's Q4 (June 2016).

As for disbursements from the World Bank to the BWDB, they stand at 10.4% of the total amount, up from 6.6% in the prior quarter. The total disbursed to date is \$41.5 million comprised of IDA

³ Due to data availability constraints a Contract and Disbursement S Curve is not yet presented at this time, but will be included in future reports. Other key rating parameters will be included in the future such as physical progress of works contracts and their detailed assessments, manpower input ratings (% manpower input per consultant contract / % elapsed time etc.). The web-based MIS being developed by the M&E consultant will include a monitoring /reporting system of the works contracts.

Credit US\$24.49 million + TF PPCR US\$ 17.01 million. It is estimated that between \$30 million and \$40 million in additional requests for withdrawal will be made by the Project by June 2017 (additional 7-10% of the project budget). Disbursements are expected to pick up considerably with the mobilization of the Contractor for Works Package 02 and the ramped up work on Package 01. The disbursement target for last year was not met and consequently the implementation performance was downgraded from *Satisfactory* to *Moderately Satisfactory*.

The pace of disbursement is expected to improve this year. Given the \$5 million level of cumulative disbursements by the project so far this year, the construction season available to the Package W-01 contractor and mobilization of the contractor for Package W-02, CEIP-1 is expected to come closer to the target of \$56.96 in disbursement requests from the World Bank than it did in the prior year, though it will still fall short of its planned disbursement. The current projection of disbursement for FY 2016-2017 has been lowered; see Figure 1(a) versus Figure 1(b).

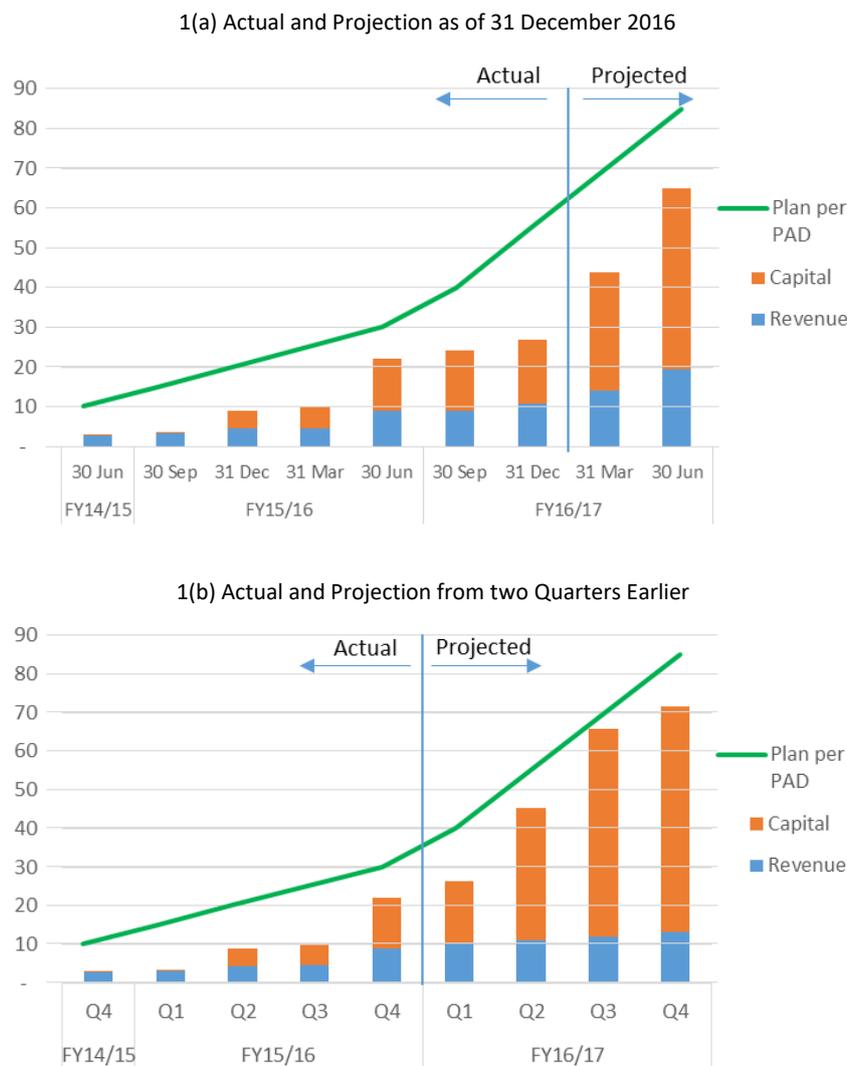


Figure 1: Actual and Projected Disbursements by Project Compared to Plan (USD million)

Annex 4 provides further details on the status on Finance and Disbursements.

2.2 Project Inputs – Personnel and Equipment

2.2.1 Project Organization Chart

The Project Organization chart is depicted in Figure 2 below.

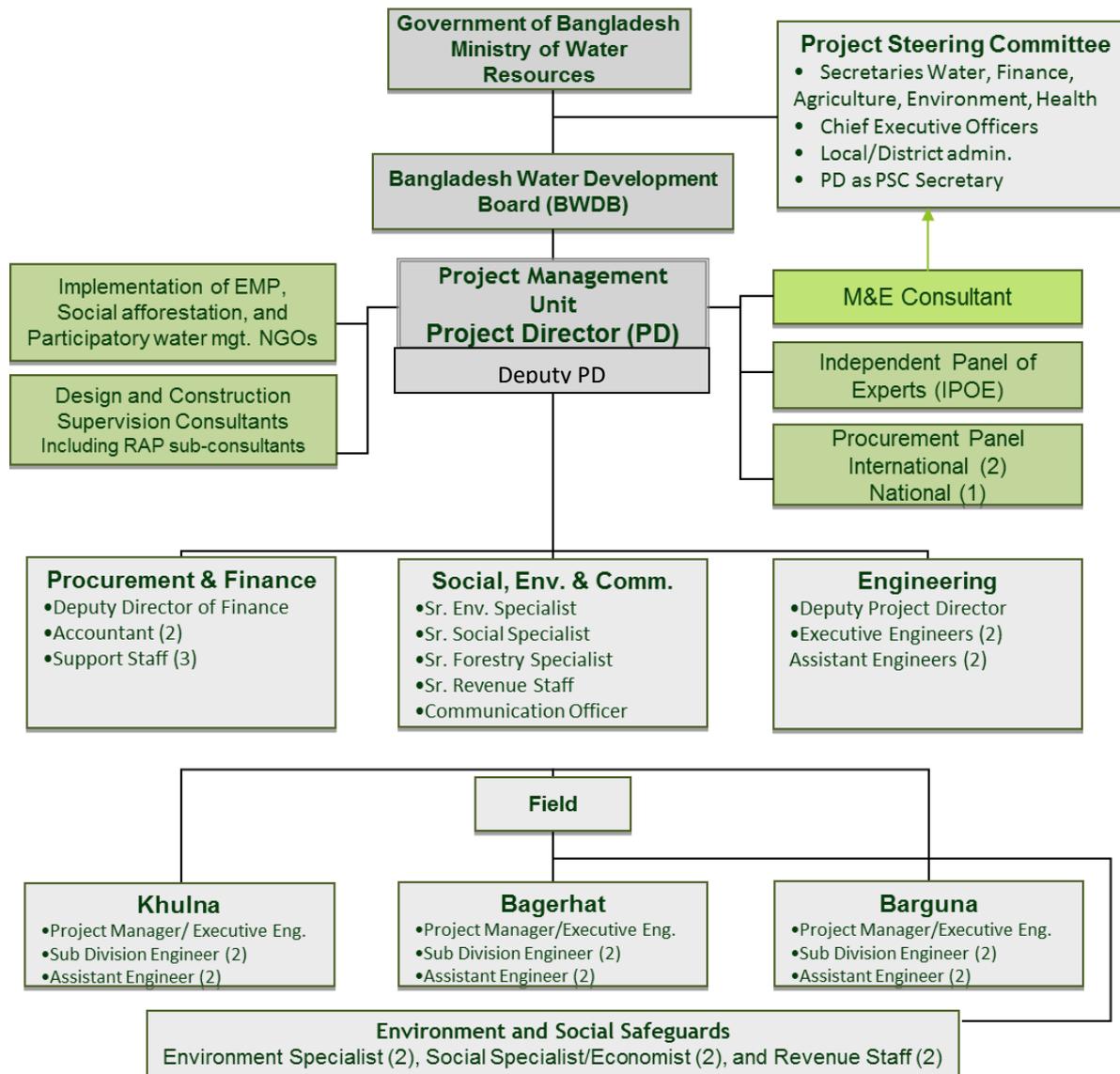


Figure 2: CEIP-1 Project Organization Chart

2.2.2 Project Management Unit (PMU)

The PMU is to oversee overall project implementation. The Project Director (PD) is in charge of the PMU. The PD is signatory of all relevant project actions including on the project accounts.

PMU staff assists the PD in the discharge of project duties. The list of staff and deployment dates is attached as Annex 3. The PMU office and staff in Dhaka oversee all consultants working on the project. The PMU maintains two district-based offices in Khulna and Bagerhat, with a third office likely to be opened in Barguna once works begin in that area. For the time being, only the Khulna office has a CEIP-1 dedicated XEN who looks after package 01 works in both Khulna and Bagerhat Districts with the assistance of the regular BWDB staff in the Bagerhat office as needed.

2.2.3 Detailed Design, Construction Supervision and Project Management Support Consultant (DDCS&PMSC)

The DDCS&PMSC has been engaged for the design of the physical works and to devise and implement the Resettlement Action Plan and implement the Environment Impact Assessment (EIA) and Environment Implementation Plan (EMP). The DDCS&PMSC will also supervise construction as the Engineer under FIDIC conditions of contract. The DDCS&PMSC is comprised of Royal HaskoningDHV in association with DevCon/KMC/CEGIS, DPM, IWM and DHI.

The Consultant was mobilized in January 2015. The DDCS&PMSC maintains two field offices. The DDCS&PMSC has contracted several subconsultants including: KMC for the RAP services and CEGIS for the EIA services. The DDCS&PMS Consultant retains contractual responsibility for these services.

The DDCS&PMSC's RAP Team was mobilized in late February 2015 and commenced their field work on 01 March 2015. The professional and support staff deployed include Team Leader (RAP/LAP), Deputy Team Leader (RAP/LAP), Coordinator, Supervisor and Resettlement Workers. Required numbers of staff have been deployed in each polder. A coordinating office has been opened in Khulna city where Team Leader (LAP/ RAP), Deputy Team Leader (LAP/RAP), Coordinator and three support staff are working.

On 01 March 2016, another field team was established for the package 2 polders. The staffing pattern is shown in the table below. The TL is intermittent and the Managing Director of KMC (the subconsultant hired by the DDCS&PMSC for RAP implementation) is serving in the capacity of Acting TL. This arrangement is not ideal because the TL must be available for GRC meetings and other functions on a more intense basis than is currently in place.

Table 4: Deployment of RAP Consultant's Field Staff

S.N	Polder number	Staff
Package-1		
1	Coordinating Office (Khulna city)	TL (In Charge)(RAP/LAP), Coordinator (1), MIS & Support staff (2) Land surveyor (1), Driver (1)
2	32 and 33	Field Coordinator(In Charge) (1) Supervisor (2), Resettlement Workers (3)
3	35/1	Field Coordinator (1), Supervisor (1), Resettlement Workers (2)
4	35/3	Supervisor (1), Resettlement Workers (1)
Package-2		
1	39/2C	Supervisor (1), Resettlement Workers (3)
2	40/2	Field Coordinator(In Charge) (1) Supervisor (1), Resettlement Workers (5)
3	41/1	Supervisor (1), Surveyor (1), Resettlement Workers (2)
4	43/2C	Supervisor (1), Resettlement Workers (2)
5	47/2 & 48	Field Coordinator(In Charge) (1), Supervisor (1), Surveyor (1) Resettlement Workers(4)

2.2.4 Consultancy Service to Implement: (a) Social Afforestation and (b) Social Action Plan including setting up WMOs

Evaluation of EOIs for the consultancy services for social afforestation and social action plans for establishing WMOs continues. Original EOIs were submitted November 2014, and PMU contacted all 70 organizations who reconfirmed their interest in early June 2016. These 70 organizations first submitted their Expressions of Interest (Eoi) by 13 November 2014 and the evaluation was essentially completed in 2015, but not finalized given the position of PMU that it was premature to engage these consultants. Pursuant to the discussion with the World Bank on 10 May 2016, PMU sought reconfirmation from those who have submitted EOIs as to their continued interest and all responded in the affirmative. The target date agreed with the WB during the June 2016

Implementation Support Mission (ISM) for signing a contract was end of February 2017 but this will clearly not be possible because the shortlist has not yet been prepared.

According to the policy of the GoB, work on WMO formation should begin prior to commencement of civil works so that users are consulted during implementation of the project and to ensure ownership and commitment to effective O&M.

2.2.5 Consultancy Service for Long Term Monitoring, Research and Analysis of Bangladesh Coastal Zone

The Consultancy has not yet been awarded. RFP was issued among shortlisted firms on 19 November 2015. Proposals were due on 31 December 2015 (Ref: Contract Package No. CEIP-C3/S4) and evaluation was submitted to the World Bank who gave NOL on 03 March 2016. Financial Negotiation meetings were carried out from 17-21 April 2016. It was not possible to conclude the negotiations, due to incomplete /unclear documentation and also the cost of the consultancy was more than twice the budget. As agreed, the Consultant submitted a revised Financial Proposal on 25 May 2016. The revised cost is still far above the budget⁴ (USD 8.50 million). The Procurement Panel (PP) reviewed the revised proposal, but asked for further clarifications. The firm responded to the request for further clarifications of the PP and submitted the 2nd revision on 16 June 2016, making a slight reduction in its total cost. The Procurement Panel reviewed the 2nd revision. PD has written to the Procurement Panel in late September asking them to expedite the decision. The PP has exchanged new correspondence with the consultant and is now reviewing the latest information.

2.2.6 Works Contractors

2.2.6.1 Works Contractor Package 1

The First Engineering Bureau of Henan Water Conservancy of China was contracted on 01 November 2015 for the construction work involving Polder 32, 33, 35/1 and 35/3. The contractor established a project office at Dhaka and Khulna in January 2016 and also mobilized the Project Manager as per the contract. However, on 26 January 2016, the Engineer requested the replacement of the Project Manager under General Contract Clause 6.9 Contractor's Personnel due to poor performance. Until the permanent replacement was proposed and mobilized in September 2016, the Contractor had dispatched their Vice President Mr. Yang Dong to serve as Acting Project Manager from February 2016. The efficiency of mobilization and works implementation has improved considerably since his arrival. With the mobilization of the permanent replacement, Mr. Yang Dong had departed. Unfortunately, signs of lagging performance returned and as a result Mr. Yang Dong was brought back during the October-December quarter.

Table 5: Manpower Mobilized by the Contractor

SN	Staff Category	No. of Staff	
		30 Sep 2016	31 Dec 2016
1	Management	16	40
2	Technical Staff	54	90
3	Operators/Drivers	40	159
4	Skilled Workers	52	88
5	Laborers	189	425
TOTAL		351	802

Source: Contractor CHWE Monthly Progress Report, September and December 2016.

Tables 5 provides the contractor's manpower mobilization status on 31 December 2016. The key personnel of the contractor have increased in number from 60 at the end of March, 71 at the end of

⁴ It may be noted that the budget in the original appraisal was \$12 million, but this was reduced in the DPP.

September and 130 as of 31 December 2016. A list of the contractor's key staff with contact details is provided in Annex 3.

Tables 6 and 7 present the contractor's equipment mobilization status against Engineer's estimate of requirements. The DDCS&PMSC calculated the equipment needs for Works Contract W-01 based on standard capacities and utilization. This is shown in Table 6 while Table 7 shows the actual equipment in place as of 31 December 2016. There is some notable change in the numbers of equipment mobilized compared with the previous quarterly report. The Contractor is now at 58% of the required equipment strength as per the Engineer's estimate compared to 32% on 30 June 2016.

Table 6: Required Equipment – Preliminary Estimate of DDCS&PMSC

Name of Polder	Equipment Estimated by DDCS&PMSC to be Required (number)												
	Bulldozer S.F roller, Compact	Dump Truck + carry Scraper	Excavator	Concrete Mixing Machine	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader	Forklift Trucks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
32	3	13*	9	3	7	1	1	1	1	1	6	nr	nr
33	3	11*	8	6	12	2	1	1	1	1	2	nr	nr
35/3	3	13*	12	5	3	1	1	1	1	1	2	nr	nr
35/1	7	26*	20	12	6	3	1	2	1	1	4	nr	nr
Total	16	45+76+18	49	26	28	7	4	5	4	4	14	nr	nr

Source: Report Received from DDCS&PMSC, May 2016

"nr" denotes "not reported"

*The polder-wise figures were not provided when the total requirement was updated.

Table 7: Equipment Mobilized by the Contractor as of 31 December 2016

Name of Polder	Equipment Mobilized by the Contractor (number)												
	Bulldozer S.F roller, Compact	Dump Truck + Tractor + carry Scraper	Excavator	Concrete Mixing Machine	Sand pile driving equipment	Sheet pile driving equipment	CC block manufacturing machine	Batching plant	Positioning ship	Survey Vessel	Barge	Wheel Loader	Forklift Trucks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
32	7+0+0	0+5+0	10	4	1		1				2	2	4
33	8+0+0	1+5+1	11	3			1				2	2	4
35/3	13+6+1	8+3+25	21	10	2		2				1	4	4
35/1	7+0+0	0+5+0	10	5	1		1				1	3	6
Total 31 Dec 16	35+6+1	9+18+26	51	22	4	0	5	5			6	11	18
Prior Total 30 Sep 16	20+0+1	16+12+18	14	7	0		3	3			2	6	0

Source: September 2016 Monthly Progress Report, DDCS&PMSC

Along with 18 hydraulic forklift units and 11 wheel loaders, the Contractor's total equipment now numbers 218 pieces. The tables above clearly indicate that there are substantial additional equipment requirements. The Contractor has taken delivery of a large number of additional equipment during the quarter, however, sand pile driving equipment (4 of 28), sheet pile driving (0

of 7) and vessels (6 of 22) and the overall level of equipment continue to be seriously inadequate especially considering the need for catching up with the approved Work Program.

The limited number of Sand Piling Equipment is of particular concern. One Sluice gate, for example DS 13 of Polder 33 will require 623 sand piles. The Contractor has started works on 13 Sluice Gates, including DS-1 of Polder 35/3 with 6 Vents and DS-09 with 4 Vents also at Polder 35/3 and DS-2 with 3 Vents at Polder 35/1. Thus more than 8000 sand piles will have to be completed in the remaining dry season working days-- i.e. before say latest by end of February 2017 so as to allow timely construction of sluice gate foundation plates etc. The Consultant reported that the Contractor had mobilized 5 numbers of sand piling machines with capacity of 100 sand piles per day; and these had already arrived at the Mongla port. However, the specifications of this equipment were found to be inappropriate as the actual bearing capacity at the bottom of the sluice gate excavation pits was found to be inadequate and it was found that the machines would cause excessive vibrations. Thus the contractor will have to rely on locally available semi-manual sand piling rigs with a limited capacity of some 6 sand piles per day.

The 13 sluice gates will require 4 m deep sheet piles with width ranging from about 4.5 to 6 m. However, the Contractor has not mobilized even a single sheet piling equipment.

2.2.6.2 Works Contractor Package 2

Not yet contracted, though Notice of Award was issued to Chongqing International Construction Corporation of China on 15 December 2016.

2.2.6.3 Works Contractor Package 3

Not yet contracted.

2.2.7 Third Party M&E Consultants

The M&E Consultants assist the PMU in monitoring the RAP, SAP and EMP and in monitoring processes and outputs and evaluating the impacts of CEIP-1 overall. The M&E Consultants mobilized on 01 November 2015. All of the key staff have been mobilized. One national expert, the Environmental Specialist, became unavailable and a candidate was proposed as his replacement in August 2016, recommended for approval by the Procurement Panel and given no objection by the World Bank.

The utilization rate of the key international staff stands at 31% (versus 27% at the end of September and 22% at the end of June 2016) and key national staff at 28% (versus 25% at the end of September and 20% at the end of June 2016). This rate of utilization is not unexpected given the intensive nature of the start-up requirements for the consultancy, but there will be a need to adjust the level of effort due to changes in the scope of services as has been explained in the Inception Report and the M&E Framework and Strategy. The elapsed time of the M&E Consultant's contract as of this reporting period is 14 of 60 months, amounting to 23.3% of the contract's duration.

Table 8: M&E Consultants Staff Utilization as of 31 December 2016 (Month 14 of 60)

	Key Experts - International		Total PM	Utilized PM	Remaining PM	Percent Utilized
1	Jan T. Twarowski	Team Leader cum Economist	25	10.32	14.68	41%
2	Michael Dembinski	M&E Specialist	8	3.36	4.64	42%
3	Abu H. Murshid	Environmental Specialist	9	1.18	7.82	13%
4	Mike Tyson-Taylor	Social Safeguards Specialist	10	1.50	8.50	15%
		Total	52	16.36	35.64	31%
	Key Experts - National					
1	Md. Mahidur Rahman Khan	Deputy Team Leader / GIS Information Management Spec.	30	6.73	23.27	22%
2	A.B.M Murshed Alam Siddiqui	Agric. Economist/ M&E Specialist	18	5.59	12.41	31%
3	A.K.M. Mizanur Rahaman	Environmental Specialist	18	1.59	16.41	9%
4	Md. Mizanur Rahman	Social Safeguards Specialist	18	9.23	8.77	51%
5	Md. Badiuzzaman	Information Mgmt Specialist	18	4.98	13.02	28%
6	H.S. Mozaddad Faruque	Water Resources Engineer	10	2.86	7.14	29%
		Total	112	30.98	81.02	28%
	Non-Key Experts					
7	Azizul Haque Kabul	Data and Info Analyst 1	40	10.57	29.43	26%
8	Md. Soukat Osman	Data and Info Analyst 1	13	0.00	13.00	0%
9	Md. Surruzzaman	Field Data Collector 1	22	0.00	22.00	0%
10	Md. Babul Haider	Field Data Collector 2	22	0.00	22.00	0%
		Total	97	10.57	86.43	11%

2.3 Procurement

There are 25 procurement packages under services – six packages for firms and 19 for individual consultants. For the six packages to be contracted out to firms, two have been contracted – namely, DCS&PMS Consultants and Third Party M&E Consultants; and another two have are in process – the Long-Term Monitoring, Research and Analysis of Bangladesh Coastal Zone and Consultancy for Social Afforestation, SAP and WMOs. Of the 19 consultancy packages for individuals, nine have been contracted and three others are in process of procurement. A fourth recruitment in in process – the replacement of the PMU Financial Management Specialist who resigned on 29 February 2016. The PMU’s Senior Social Specialist also resigned on 3 January 2017 and will need to be replaced.

The following two tables summarize the procurement activities for services during the quarter.

Table 9: Procurement Status – Consulting Firm Services

S. No.	Package Name (abridged)	Method	Package No.	Status 30 Sep 2016	Status 31 Dec 2016
1	Consultancy for Social Afforestation and SAP (including WMOs)	QBS	CEIP-1/A2 & B1/S01	70 EOIs received 13 Nov 2014. Evaluation paused since the PMU deemed it was too early to hire these services. PMU re-confirmed interest among those submitting EOI at end of May 2016 and has resumed evaluation of EOIs. Proposed shortlist and RFP was to be sent to WB by 20 June.	Shortlist not yet submitted to World Bank

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

S. No.	Package Name (abridged)	Method	Package No.	Status 30 Sep 2016	Status 31 Dec 2016
2	Consultancy for Detailed Design, Construction Supervision & Project Management Support, EIA and RAP (DDCS&PMS)	QBS	CEIP-1/B2, B3 & C1/S02	Consultants in place since January 2015.	Done.
3	Third Party M&E Consultants for Overall Project Implementation	QBS	CEIP-1/C2/S03	Consultants in place since 01 November 2015.	Done
4	Long-Term Monitoring, Research and Analysis of Bangladesh Coastal Zone	QBS	CEIP-1/C3/S04	Technical Evaluation completed; NOL received 03 March 2016; Financial opening and negotiations commenced 17 April 2016. Due to the need for some clarifications and cost reduction, bidder submitted revised offers on 25 May and 16 June 2016 and in August. The Procurement Panel has again requested additional information in September and now reviewing the response. Still with Procurement Panel. PD has sent a letter to PP at end of September requesting they expedite. Another round of negotiation discussion took place during the October-December quarter.	Still in negotiation stage.
5	Consultancy for Institutional Capacity Building, TA and training to BWDB personnel	QBS	CEIP-1/D2/S22	Not yet started	Not yet started
6	Consultancy for Feasibility Studies and preparation of design for following Phases of CEIP	QBS	CEIP-1/D3/S23	Not yet started	Not yet started

Table 10: Procurement Status – Individual Consultant Services

S. No.	Package Name (abridged)	Package No.	Status 30 Sep 2016	Status 31 Dec 2016
1	International Procurement Expert (Panel Chair)	CEIP-1/D1/S05	Consultant in place since 25 Nov 2013	No change, done.
2	International Technical Expert (Procurement Panel)	CEIP-1/D1/S06	First consultant in place since 05 Mar 2014. Second consultant in place 13 Apr 2015.	No change, done.
3	Procurement Expert – national (Proc't Panel)	CEIP-1/D1/S07	Consultant in place since 25 Nov 2013. New contract signed on 14 June 2016 for additional input.	No change, done.
4	PMU Procurement Specialist – national	CEIP-1/D1/S08	Consultant in place since 21 Nov 2013. Contract expires 30 Oct 2016.	Incumbent continues to work while contract extension in process.

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

S. No.	Package Name (abridged)	Package No.	Status 30 Sep 2016	Status 31 Dec 2016
5	PMU Financial Management Specialist – national	CEIP-1/D1/S09	Position vacant. The FMS, who originally joined on 02 Mar 2015 has resigned effective 29 Feb 16. Notice was published and 35 individuals expressed interest. Their CVs are under evaluation.	Evaluation report submitted to World Bank on 20 Dec 2016.
6	PMU Sr. Environmental Specialist – national	CEIP-1/D1/S10	Consultant in place since 13 Apr 2015	No change, done.
7	PMU Sr. Social Specialist – national	CEIP-1/D1/S11	Consultant in place since 02 Oct 2014	No change, done. ⁵
8	PMU Sr. Forestry Specialist - national	CEIP-1/D1/S12	TOR in preliminary draft; will be floated closer to when the services are expected to be needed (in 2016).	TOR finalized by PMU.
9	PMU Communications Officer - national	CEIP-1/D1/S13	REOI issued in Jan 2016; EOIs received 24 Feb 2016; under evaluation.	Evaluation report submitted to World Bank on 20 Dec 2016.
10	PMU Sr. Revenue Officer	CEIP-1/D1/S14	Consultant in place since 12 Aug 2014	No change, done.
11	PMU/Field - Social Specialist/ Economist	CEIP-1/D1/S15	PMU has proposed eliminating this position.	PMU will now proceed with this recruitment. TOR finalized by PMU.
12	PMU/Field – Environmental Specialist	CEIP-1/D1/S16	PMU has proposed eliminating this position.	PMU will now proceed with this recruitment. TOR and EOI notice given no objection by World Bank.
13	IPOE River Morphologist & Sediment/Tidal Management Expert	CEIP-1/D1/S17	Re-definition of types of experts needed on the panel is under consideration.	TOR approved; REOI notice to WB
14	IPOE Hydrodynamics and Coastal Modelling Expert	CEIP-1/D1/S18	Re-definition of types of experts needed on the panel is under consideration.	TOR approved; REOI notice to WB
15	IPOE Design Expert in Embankment and Hydraulic Structures	CEIP-1/D1/S19	Re-definition of types of experts needed on the panel is under consideration.	TOR finalized by PMU.
16	IPoE for Social Expert	CEIP-1/D1/S20	Re-definition of types of experts needed on the panel is under consideration.	TOR approved by WB
17	IPoE for Environment, Water Management and Polder Expert	CEIP-1/D1/S21	Consultant in place since 23 March 2015.	No change, done.
18	Accounting and Financial Management System Specialist (AFMSS) – national	CEIP-1/D1/S24	TOR prepared, submitted to WB and NOL received 14 Feb 2016. Three (3) CVs received 10 Mar 2016. Evaluation ongoing.	Evaluation ongoing.
19	Information Technology Specialist (ITS) - national	CEIP-1/D1/S25	TOR prepared, submitted to WB and NOL received 14 Feb 2016. Three (3) CVs received 10 Mar 2016. Evaluation ongoing.	Evaluation ongoing.

Source: PMU

Annex 5.1 provides the detailed status and plans on procurement of services contracts – both firms and individual consultants.

The following table summarizes the procurement activities for works during the quarter. Annex 5.2 provides the detailed status and plans on procurement of works contracts.

⁵ The Senior Social Specialist has resigned effective 3 January 2017.

Table 11: Procurement Status - Works

S. No.	Package Name (abridged)	Method	Package No.	Status 30 Sep 2016	Status 31 Dec 2016
1	Rehabilitation/Reconstruction and Upgrading of Polder 32, 33, 35/1 and 35/3	ICBPQ	CEIP-1/W-01	Contract signed 01 Nov 2015 and contractor has mobilized. Official commencement date is 26 Jan 2016.	Contractor in place.
2	Rehabilitation/Reconstruction and Upgrading of Polder 39/2C, 40/1, 40/2, 43/2C, 47/2 and 48	ICBPQ	CEIP-1/W-02	Tender documents submitted to WB on 14 Oct and 19 Nov 2015; WB issues NOL on 03 Dec 2015; IFB issued on 04 Dec 2015 with deadline of 28 Jan 2016. Deadline extended three times until 24 Mar 2016. Seven (7) bids received. Bid Evaluation Report sent to the World Bank on 19 Jun 2016 for review/concurrence. NOL received from WB in August. File sent to CCGP.	CCGP approved the contract. Notice of Award issued to the successful contractor on 15 Dec 2016 - Chongqing International Construction Corporation.
3	Rehabilitation/Reconstruction and Upgrading of Polder 14/1, 15, 16, 17/1, 17/2, 23 and 34/3	ICBPQ	CEIP-1/W-03	Not yet started	Not yet started

Source: PMU

Table 12 below summarizes the procurement status of goods. Annex 5.3 provides the details on goods (office equipment, vehicles, etc.) procured under the project.

Table 12: Procurement Status - Goods

S. No.	Package Name (abridged)	Method	Package No.	Status 30 Jun 2016	Status 30 Sep 2016
1	Motor Vehicles a) 4-WD Jeep/Cross Country (Total 10 Nos.) b) Micro Bus-(Total 1 No.)	NCB (was ICB)	CEIP-1/G-1	Procurement completed. Micro-Bus delivered November 2015. Ten 4-WD vehicles delivered on 04 Feb 2016.	Procurement completed.
2	Motor cycles	NCB	CEIP-1/G-2	Procurement completed. Motor cycles delivered 22 Nov 2015.	Procurement completed.
3	Desktop Computer, Laptop, Printer, & UPS with Accessories	NCB	CEIP-1/G-4	Procurement completed. Goods delivered 29 June 2014.	Procurement completed.
4	Engineering Equipment: a) Leveling Equipment (5 nos.); b) Total Station (3 nos.)	NCB	CEIP-1/G-5	Procurement completed. Goods delivered 22 Nov 2015.	Procurement completed.
5	Office Equipment: 1) Multimedia Projector, 2) Air cooler, 3) PABX Intercom System, 4) Photocopier, 5) Fax, 6) Scanner, and 7) Plotter (36" Size) with accessories and related services	NCB	CEIP-1/G-6	Procurement completed. Goods delivered 29 June 2014.	Procurement completed.
6	Office Furniture	NCB	CEIP-1/G-7	Procurement completed	Procurement completed.

Source: PMU

3. STATUS OF PROJECT OUTPUTS BY COMPONENT

Outputs are presented by component and based on the reports of the partners responsible for the respective component. A list of reports prepared and submitted by the DDCS&PMS Consultants is provided in Annex 10.

3.1 Outputs of Component A: Rehabilitation and Improvement of Polders

3.1.1 Outputs of A1: Rehabilitation and Improvement of Polders –Package 01

3.1.1.1 Mobilization and Preconstruction Activities

Works package W-01 comprises four polders - namely 32, 33, 35/1 and 35/3. Although the Contractor signed the 36-month contract on 01 November 2015, the official commencement date is 26 January 2016 as determined by the Engineer in consultation with the Contractor.

The Contractor has submitted a Quality Assurance Manual, which has been reviewed by the Engineer and returned to the Contractor for revision.

Mobilization of the Contractor was slow and accelerated only after the Contractor complied with the Engineer's request for the replacement of the Contractor's Project Manager in late February 2016. Subsequently, progress picked up, but it is still seriously lagging today. The Contractors' mobilization status in terms of manpower and equipment has improved since. Delay in works execution was caused as the Contractor awaited delivery of new equipment from China instead of renting equipment within country from the start in spite of reminders received from the Engineer. Eventually certain equipment was rented locally. However, given the current status of works progress, the Contractor's equipment continues to be seriously inadequate.

Works that were targeted for completion during the 2015/2016 construction season (before monsoons set in) included (i) embankment model sections (which would become permanent works), (ii) re-sectioning works, and (iii) Embankment Slope Protection Works to be billed under the provisional sum of Environmental Mitigation Works for serious erosion of embankments and damaged structures.

Workforce

The Contractor's workforce mobilization started in November 2015. By end of March 2016 there were 60 management and technical staff on site, at the end of September 2016 there were 70⁶ and at the end of December 2016 there were 130. In addition, there were operator/drivers, skilled workers and common laborers in place for a combined total staff strength of 802 persons.

Equipment

The Contractor has mobilized 58% of the equipment estimated to be required at the beginning of the Project, but with the lagging progress, the original estimates will not be adequate. The equipment level does not meet the requirements and continues to be a major impediment. Please see Tables 6 and 7 in the previous chapter.

Engineer's Site Offices, Laboratory and Inspection Sheds

Substantial building construction work took place during the quarter with 25% additional accomplishment on the laboratory building, additional 30% on the Engineer's Dacope office and additional 45% on the Engineer's Rayenda office.

⁶ Per Contractor's Monthly Progress Reports, September and December 2016.

The cumulative progress is as follows:

- Regional office (vertical extension of existing building) – 95% completed (up from 30% prior quarter)
- Laboratory Building at BWDB’s premises in Numagar, Khulna – 95% completed (up from 70% prior quarter)
- Engineer’s Site Office at Dacope – 90% completed (up from 60% prior quarter)
- Engineer’s Site Office at Rayenda – 80% completed (up from 35% prior quarter)

Contractor Main Offices and Site Offices/Camp Sites

The Contractor established their main office in Dhaka and Khulna shortly at the time of commencement. At each of the four polders the Contractor established a functioning temporary camp/site office, with living quarters for his site personnel. Further, in the Polders-32 and 33 the Contractor is building more permanent site offices, and living quarters, which were 100% completed and fully functioning in the April-June 2016 quarter.

Status of the construction of the pre-casting yard is summarized in the table below.

Table 13: Status of CC Block Pre-Casting Yards

SN	Item	Status Prior Quarter as of 30 Sep 2016	Current Status as of 31 Dec 2016
1	Manual Process Yards		
1.1	Polder 32 at km 36+000	100% complete	100% complete
1.2	Polder 33 at km 37+450	100% complete	100% complete
1.3	Polder 35/1 at km 15+000	100% complete	100% complete
1.4	Polder 35/3 at km 29+000	100% complete	100% complete
2	CC Block Machine Yards		
2.1	Polder 32	100% complete	100% complete
2.2	Polder 33	100% complete	100% complete
2.3	Polder 35/1 at km 18+600	90% complete	100% complete
2.4	Polder 35/3 at km 14+000	100% complete	100% complete

Source: Contractor (CHWE) monthly progress reports

In Polder 35/1, the Contractor has established a large casting yard that will accommodate the production of two automated CC block manufacturing machines. Thus, there will be five (5) automated machines in all. These locations were selected to take advantage of the reliable power supply and proximity to the package 01 polders.

Earlier, the Contractor has set up a functioning laboratory at BWDB’s Numagar premises in Khulna. Warehouse facilities for storage of cement and other perishable material has been put in place in each polder.

Pre-Construction Survey Works

The survey of the centerline was completed in the Polders 32, 33, and 35/3 by the end of March 2016 (Q3). Polder 35/1 was started in Q3 and completed in Q4 of the 2015/16 fiscal year. Cross-section surveys were commenced in Q3 in several areas of Polders 32, 33 and 35/3 concentrating initially on the limited number of sites where the permanent embankment works were underway. As of the end of Q2 of 2016/17 (31 December 2016), cross-section surveys of 98.0% of embankments, 61.8% of hydraulic structures, 54.3% of slope and bank protection areas and 28.2% of drainage channels have been surveyed. This represents some advance in the survey of slope and bank protection works and drainage channels in particular compared to the prior quarter (Table 14).

Table 14: Pre-Construction Survey Works Summary-31 Dec 2016

SN	Polder	Embankment (km)			Hydraulic Structures (no.)			Slope/Bank Protection (km)			Drainage Channels (km)		
		Contract Qty.	Completed Qty	% Completed	Contract Qty.	Completed Qty	% Completed	Contract Qty.	Completed Qty	% Completed	Contract Qty.	Completed Qty	% Completed
1	32	49.7	49.7	100.0%	10.0	8.0	80.0%	2.0	0.0	0.0%	17.5	6.3	36.2%
2	33	52.1	48.5	93.1%	19.0	16.0	84.2%	1.7	0.9	52.9%	63.2	12.0	19.0%
3	35/1	62.0	61.6	99.4%	32.0	15.0	46.9%	2.5	0.5	20.0%	70.5	22.9	32.5%
4	35/3	40.0	39.8	99.6%	15.0	8.0	53.3%	1.5	2.8	185.3%	2.0	2.0	100.0%
Current Qtr Total		203.7	199.6	98.0%	76.0	47.0	61.8%	7.7	4.2	54.3%	153.2	43.3	28.2%
Prior Qtr Total		204.0	169.4	83.0%	83.0	49.0	59.0%	29.7	1.0	3.4%	163.3	8.6	5.3%

Source: Contractor (CHWE) Monthly Progress Reports of September and December 2016.

3.1.1.2 GC Sub-Clause 8.3 Work Program

In November and December 2015, the Contractor submitted their work program officially. After many iterations, giving particular attention to work methods and procurement schedule, a work program was finally approved by the Engineer on 24 August 2016.

3.1.1.3 Construction Works

Overview

There has been extensive activity in the drying of earth during the quarter, and some actual progress on embankment re-sectioning or construction. Thus, there are 43.582 kms (up from 5.247 kms previous quarter) of embankment in process as part of the permanent works and 0.980 kms (up from 0.810 kms previous quarter) fully completed (Tables 15 and 16).

Table 15: Status of Progress of Permanent Works – Embankment Re-sectioning

SN	Polder	Target (kms)	From	To	Emgcy. Work	Length (kms)	Prior Quarter 30 Sep 2016			Current Quarter 31 Dec 2016		
							Kms Fully Done	Kms in Progress	% Completed*	Kms Fully Done	Kms in Progress	% Completed
1	32		14.720	15.450		0.730	0.290	0.440	0.88	0.290	0.440	1.49
2	32		43.391	44.354	Yes	0.963	0	0.963	0.00	0.000	0.963	0.00
3	32		21.500	24.200						0.170	2.530	0.83
4	32		19.300	20.300						0.000	1.000	0.43
5	32		28.500	29.100						0.000	0.600	0.34
	Total	49.666				1.693	0.290	1.292	0.88	0.460	5.533	3.41
1	33		0.000	0.130	Yes	0.130	0	0.130	0.01	0.000	0.130	0.01
2	33		0.959	1.190	Yes	0.231	0	0.231	0.01	0.000	0.231	0.01
3	33		22.400	22.900		0.500	0.200	0.300	0.90	0.200	0.300	0.90
4	33		23.00	25.15		2.15				0.000	2.150	2.30
5	33		32.080	32.510		0.430	0.040	0.390	0.51	0.040	0.390	0.51
6	33		32.544	32.845		0.301	0.060	0.241	0.39	0.060	0.241	0.39
7	33		41.79	43.00		1.21				0.000	1.210	1.19
8	33		45.37	47.10		1.73				0.000	1.730	0.95
9	33		2.00	11.00		9.00				0.000	9.000	0.00
	Total	49.352				1.592	0.300	1.292	1.90	0.300	15.970	6.65
1	35/1		4.00	10.00		6.00				0.000	6.000	0.00
2	35/1		21.00	25.00		4.00				0.000	4.000	0.00
	Total	63.199				10.00	0	0	0	0.000	10.000	0
1	35/3		33.500	31.500		1.150	0.150	1.000	1.26	0.150	1.000	1.26
2	35/3		20.00	29.00		9.00				0.000	9.000	6.75
	Total	39.825				1.150	0.150	1.000	1.26	0.150	10.000	7.53
Grand Total		202.042				4.435	0.740	3.995	0.76	0.910	41.503	3.80

*Percent completed is calculated based on cubic meters of earthwork (not shown here).

Table 16: Status of Progress of Permanent Works – Retired Embankment

SN	Polder	Target (kms)	From	To	Emgcy. Work	Length (kms)	Prior Quarter 30 June 2016			Current Quarter 30 Sep 2016		
							Kms Fully Done	Kms in Progress	% Completed*	Kms Fully Done	Kms in Progress	% Completed
1	32		18.358	18.772		0.414	0.070	0.344	0.29	0.070	0.414	0.32
	Total	49.666				0.414	0.070	0.344	0.29	0.070	0.414	0.32
	33					0	0	0	0	0	0	0
	Total	49.352				0	0	0	0	0	0	0
1	35/1		2.957	3.957		1.000	0	1.000	0.61	0	1.000	0.61
	Total	63.199				1.000	0	1.000	0.61	0	1.000	0.61
1	35/3		36.835	37.200		0.365	0	0.365	0.46	0	0.365	0.46
2	35/3		37.430	37.730		0.300	0	0.300	0.19	0	0.300	0.19
	Total	39.825				0.665	0	0.665	0.65	0	0.665	0.65
Grand Total		202.042				2.079	0.070	2.009	0.45	0.070	2.079	0.46

*Percent completed is calculated based on cubic meters of earthwork (not shown here).

Source: DDCS&PMSC; verified by the M&E Consultants based on spot checks.

3.1.1.4 Drainage Sluices and Flushing Inlets

The Contractor has started works on 13 sluice gates during the reporting period, including DS-1 of Polder 35/3 with six vents and DS-09 with four vents also at Polder 35/3 and DS-2 with three vents at Polder 35/1.

The following tables show the status of the 52 Drainage Sluices that had been programmed for construction during the current dry season.

Table 17: Status of Drainage Sluice Gates Planned for the 2nd Dry Season – Polder 32

	Polder 33	Vents No	Location	As Per Work Program		Updated / Actual		Remarks
				Start Date	Completion	Started	Completion	
1	DS-10	3	2+960	15 Oct 16	21 Feb 17			
2	DS-11	1	4+948	9 Nov 16	26 Feb 17			
3	DS-9	1	45+506	29 Nov 16	18 Mar 17			
4	FS-10	1	10+875	1 Jan 17	5 Apr 17			
5	DS-16	1	14+305	21 Jan 17	5 May 17	13.Oct.2016		
6	DS-01	1	18+810	10 Feb 17	24 May 17	22.Oct.2016		
Repair Works								
7	FFDFR-1			1 Mar 17	29 Apr 17			
Demolishing Works								
8	DS-15			15 Apr 17	4 May 17			

Table 18: Status of Drainage Sluice Gates Planned for the 2nd Dry Season – Polder 33

	Polder 33	Vents No	Location	As Per Work Program		Updated / Actual		Remarks
				Start Date	Completion	Started	Completion	
1	FS-15	1	42+870	15 Oct 16	17 Jan 17			
2	DS-12	1	44+140	4 Nov 16	13 Feb 17			
3	FS-17	1	46+210	26 Nov 16	28 Feb 17			
4	DS-13	1	47+310	16 Dec 16	4 Apr 17			
5	FS-19	1	48+310	10 Jan 17	19 Apr 17			
6	DS-01	1	3+400	30 Jan 17	19 May 17			
7	DS-02	1	5+810	24 Feb 17	20 Mar 17			

	Polder 33	Vents No	Location	As Per Work Program		Updated / Actual		Remarks
				Start Date	Completion	Started	Completion	
8	FS-01	1	7+890	21 Mar 17	23 Jun 17			
9	DS-09	4	39+840	15 Oct 16	26 Feb 17			
10	DS-10	1	41+010	9 Nov 16	2 Mar 17			
11	DS-11	1	41+820	1 Dec 16	24 Mar 17			
12	FS-03	1	10+630	23 Dec 16	29 Mar 17			
13	FS-06	1	18+660	12 Jan 17	18 Apr 17			
14	DS-6	1	20+530	1 Feb 17	20 May 17			
15	DS-7	2	25+330	23 Feb 17	22 Jun 17			
16	FS-08	1	22+920	20 Mar 17	22 Jun 17			
	DS-03					15.Oct.2016		Shifted from 3 rd to 2 nd Dry season
	DS-08					15.Oct.2016		
	Repair Works							
17	FS-2,16,18			15 Mar 17	15 May 17			
	Demolishing Works							
18	FS-7			1 Apr 17	20 Apr 17			

Table 19: Status of Drainage Sluice Gates Planned for the 2nd Dry Season – Polder 35/1

	Polder 35/1	Vents No	Location	As Per Work Program		Updated / Actual		Remarks
				Start Date	Completion	Started	Completion	
1	FS-5	1	16+774	15 Oct 16	17 Jan 17			
2	FS-6	1	18+768	4 Nov 16	6 Feb 17			
3	DS-6	1	19+736	24 Nov 16	18 Mar 17	15.Dec.2016		
4	FS-7	1	20+214	19 Dec 16	23 Mar 17			
5	DS-7	1	23+537	8 Jan 17	5 May 17	18.Oct.2016		
6	DS-18	1	24+787	28 Jan 17	4 Jun 17	18.Oct.2016		
7	DS-8	1	25+997	17 Feb 17	14 Jun 17	14.Nov.2016		
8	DS-4	4	12+097	15 Oct 16	18 Mar 17			
9	DS-1	1	0+000	15 Oct 16	6 Feb 17	15.Nov.2016		
10	DFS-1	1	0+736	14 Nov 16	21 Feb 17			
11	FS-23	1	5+243	4 Dec 16	23 Mar 17			
12	DS-02	3	6+322	24 Dec 16	2 May 17	01.Nov.2016		
13	FS-12	1	31+821	12 Feb 17	27 May 17			
14	FS-13	1	32+659	4 Mar 17	21 Jun 17			

Table 20: Status of Drainage Sluice Gates Planned for the 2nd Dry Season – Polder 35/3

	Polder 35/3	Vents No	Location	As Per Work Program		Updated / Actual		Remarks
				Start Date	Completion	Started	Completion	
1	DS-1	6	4+910	15 Oct 16	8 Mar 17	17.Nov.2016		
2	DS-2	1	24+860	9 Nov 16	16 Feb 17	02.Nov.2016		
3	FS-9	1	26+450	29 Nov 16	3 Mar 17	17.Nov.2016		
4	FS-10	1	27+160	19 Dec 16	23 Mar 17			
5	DS-3	2	33+436	18 Jan 17	20 Apr 17			
6	FS-01	1	0+345	2 Feb 17	7 May 17			
7	DS-13	1	5+520	22 Feb 17	27 May 17			

	Polder 35/3	Vents No	Location	As Per Work Program		Updated / Actual		Remarks
				Start Date	Completion	Started	Completion	
8	FS-8	1	21+620	14 Mar 17	16 Jun 17			
9	DS-09	4	39+840	15 Oct 16	26 Feb 17			
10	DS-10	1	41+010	9 Nov 16	2 Mar 17			
11	DS-11	1	41+820	1 Dec 16	24 Mar 17			
12	FS-03	1	10+630	23 Dec 16	29 Mar 17			
13	FS-06	1	18+660	12 Jan 17	18 Apr 17			
14	DS-6	1	20+530	1 Feb 17	20 May 17			
15	DS-7	2	25+330	23 Feb 17	22 Jun 17			
16	FS-08	1	22+920	20 Mar 17	22 Jun 17			
	Repair Works / Demolishing							
17	n/r			1 Apr 17	30 Apr 17			

The tables above show that the work program and actual works are not aligned; the target of completing construction of 52 sluice gate within the second dry season had to be substantially reduced by 75% (or 39 structures). They also show that even the reduced work program may face difficulties as sufficient numbers of equipment could not be mobilized.

On 24 August 2016 a finalized work program had been circulated. However, this work program still may be considered as not complying with FIDIC clause 8.3 in case there was no supporting report detailing methods and resources requirements.

A Note on the Work Program

Each Work Program shall provide “a supporting report which includes:

- (i) a general description of the methods which the Contractor intends to adopt, and of the major stages, in the execution of the Works, and
- (ii) details showing the Contractor’s reasonable estimate of the number of each class of Contractor’s Personnel and of each type of Contractor’s Equipment, required on the Site for each major stage.”

-- GCC Clause 8.3

Overall it should also be noted that the contractor may encounter further difficulties if drainage sluice gate works could not be completed timely before the monsoon including all concreting works and back filling.

3.1.1.5 Drainage Channel Excavation/Re-excavation

No work for excavation of drainage channels has yet started. These works will be done in parallel with the construction of the drainage and flushing sluices.

3.1.1.6 Emergency Works (under BOQ item Environmental Mitigation Works)

The existing embankments at all four polders include locations where rapid deterioration occurred recently, or where damage increased over time so that these sections are in danger of being breached which would have threatened wholesale flooding of the polders during the 2016 monsoon season. While these conditions were not caused by the Project, the emergency works contingency funds come under BoQ item heading “Environmental Mitigation Works”. They are, in fact, works to protect the population in the polders from flood damage until the permanent works are done.

To date, the DDCS&PMS Consultant had authorized works costing BDT 20.423 million for the first batch of emergency works on 25 non-permanent locations with a total length of 4.398 kms (see Table 18 for description).

A second batch of 19 emergency sites comprising 2.851 kms have been identified and work undertaken on 16 sites. Some of these sites became vulnerable due to damage caused by Cyclone

Roanu of May 2016. The estimated cost for the emergency work on these sites is 16.208 million BDT. See Table 19 for details.

The total estimated amount for emergency works currently underway amounts to about 92% of the total allocation of BDT 40 million under the lump sum BoQ item. This budget is meant to cover the three year construction period and while the need for emergency works will decline as the permanent works advance, it is clear that additional funds will be required. As the Contract does not provide extra room for funding, the Employer may be informed about this shortage of funds.

Works consist of minor earthworks, compaction and positioning of Geo-bags (175 kg). Average cost of emergency protection works calculates to about BDT 5,800 or \$73 per linear meter after eliminating double counting of any chainages since batch 1 and 2 do have some of the same sections that are undergoing different types of work. It should be noted also that maintenance will not be carried out by BWDB until the polders are handed back over to GoB as these polders are now under the Project.

Table 21: Status of Progress of First Batch of Emergency Works on Non-Permanent Locations

SI no	Polder	Chainage		Name of Location		Type of Work	% Completion	
		From (Km)	To (Km)	Location	Upazila		Prior Quarter 30 Sep 2016	Current Qtr 31 Dec 2016
1.	Polder 32	2.833	3.144	Nalian	Dacope	E	100%	100%
		7.561	7.991	Kalibari	Dacope	E	100%	100%
		8.161	8.350	Kalibari	Dacope	E	100%	100%
		8.491	8.629	Kalibari	Dacope	E	100%	100%
		12.393	12.693	Jaynagar	Dacope	E	100%	100%
		16.298	16.525	Jaliakhali	Dacope	E	100%	100%
		16.680	16.900	Jaliakhali	Dacope	E	100%	100%
		18.575	18.690	Jaliakhali	Dacope	E	100%	100%
		18.840	18.960	Hatkhola (DS-1)	Dacope	E	100%	100%
		44.561	44.931	Kalabagi	Dacope	E	100%	100%
		44.957	45.083	Kalabagi	Dacope	G	100%	100%
		Total	2.546					
2.	Polder 33	0.060	0.130	Banisanta	Dacope	G	0%	100%
		0.130	0.280	Banisanta	Dacope	E,G	100%, 98%	100%, 98%
		1.190	1.432	Banisanta	Dacope	E	100%/a	100%/a
		17.447	17.547	Ramnagar	Dacope	E,G,S	100%	100%
		Total	0.562					
3.	Polder 35/1	20.082	20.162	Tafalbari old Launch Ghat	Sorankhola	E	100%/a, 96%	100%, 100%
		63.050	63.106	Shannashi	Morelganj	E,G	100%, 96%	100%, 100%
		63.112	63.128					
		Total	0.152					
4.	Polder 35/3	0.127	0.168	Molliker ber	Bagerhat	G	100%	100%
		7.176	7.905	Ponchomala	Bagerhat	E	100%	100%
		9.558	9.579	Ponchomala	Bagerhat	E	100%	100%
		9.815	9.887					
		13.067	13.187	Radhabollov	Bagerhat	E,G	100%	100%
		13.573	13.610					
		29.865	29.965	Khegraghat	Bagerhat	G	100%	100%
		Total	1.138					
		Batch 1 of Package 01 Total		4.398 kms				

Source: DDCS&PMSC; verified by the M&E Consultants based on spot checks.

Note a: Earthwork completed without turfing.

Legend: E – earthwork; G – geobags; S – synthetic bags

Table 22: Status of Progress of Second Batch of Emergency Works on Non-Permanent Locations

Sl no	Polder	Chainage		Name of Location		Type of Work	% Completion	
		From (Km)	To (Km)	Location	Upazila		Prior Quarter 30 Sep 2016	Current Qtr 31 Dec 2016
1	Polder 32	2.830	3.100	Gunari	Dacope	G	100%	100%
2		3.093	3.633	Gunari	Dacope	E	80%	100%
3		7.560	7.990	Kalibari	Dacope	G	Design data awaited	Design data awaited
4		8.160	8.370	Kalibari	Dacope	G	Design data awaited	Design data awaited
5		8.490	8.630	Kalibari	Dacope	G	Design data awaited	Design data awaited
6		19.165	19.265	Kamarkhola	Dacope	G	100%	100%
7		36.225	36.341	Sutarkhali	Dacope	E	100%	100%
8		44.561	44.955	Kalabagi	Dacope	G,P	100%	100%
9		3.103	3.241	Gunari	Dacope	E	0%	100%
		Total	2.338					
1	Polder 33	17.465	17.595	Ramnagar	Dacope	G	100%	100%
2		48.575	48.658	Banisanta	Dacope	G,S	100%	100%
3		48.930	49.050	Banisanta	Dacope	G,S,P	72%	100%
		Total	0.333					
1	Polder 35/1	20.020	20.308	Taphalbari Launchghat	Sorankhola	G,S,P	95%	100%
2		24.400	24.460	Bogi DS-1	Sorankhola	G,S,P	100%	100%
		Total	0.348					
1	Polder 35/3	9.867	9.917	Ponchomala	Bagerhat	E,P	100%	100%
2		13.209	13.242	Radhaballab	Bagerhat	G,P	100%	100%
3		13.343	13.366	Radhaballab	Bagerhat	G,P	100%	100%
4		13.483	13.510	Radhaballab	Bagerhat	G,P	100%	100%
5		36.625	36.665	Planet Bazar	Bagerhat	G,S	100%	100%
		Total	0.173					
		Batch 2 of Package 01 Total		3.192 kms				

Source: DDCS&PMSC; verified by the M&E Consultants based on spot checks.

3.1.1.7 CC Block Production

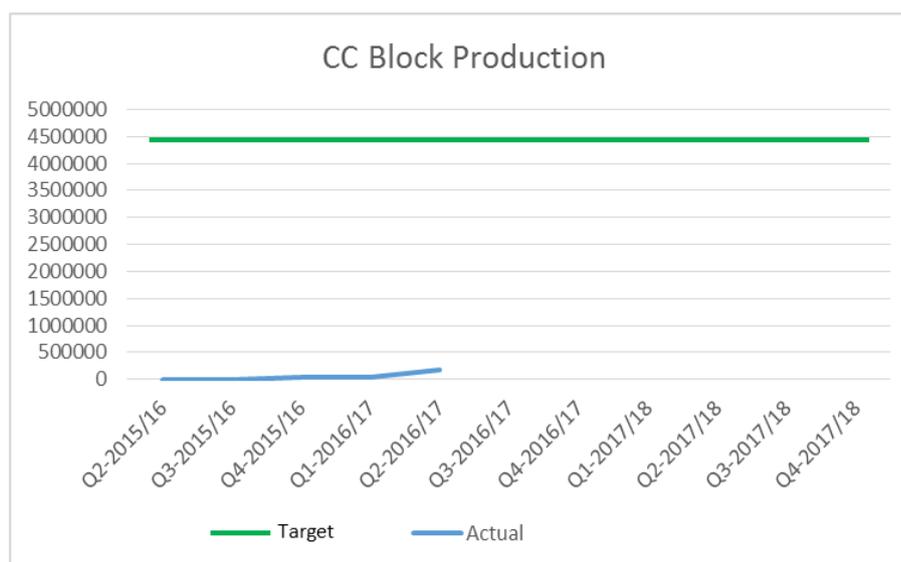
Initially, the CC block casting was being carried out only by small size concrete mixers, in the Polder 33 pre-casting yard only, and therefore the casting progress was very low through 31 March 2016 with a total of about 1000 CC blocks produced. The total has now increased somewhat, reaching 178,329 blocks as of 31 December 2016, up from 43,350 as of 30 September and 33,507 blocks as of 30 June 2016. This level of production represents about four percent of total CC block production required for the project (over four million blocks), but with five total machines now commissioned (two were commissioned in December), the production capacity may reach 15,000 blocks⁷ per day. This rate of output can even be increased by extending the hours of utilization each day, as long the equipment is maintained in good running condition. Of course, operation of the CC plant must comply with the environmental safeguards.

⁷ At the rate of 15,000 CC blocks per day, approximately 300 days of continuous operation would be required to meet the production requirements of Package W-01. Further, the maximum output rate may not be obtained during monsoon season.

Production of the machines that have been commissioned during the quarter will be watched carefully in early 2017 to assess whether the target can be met once all five machines are operating. It is reported that the Contractor is planning to procure and mobilize two additional CC block machines, raising the total number to seven.

Table 23: CC Block Production

S.N.	Polder Number	40x40x40 (cms)	40x40x20 (cms)	30x30x30 (cms)	Cumulative Total as of 31 Dec 2016	Cumulative Total as of 30 Sep 2016	Cumulative Total as of 30 June 2016
1	32	8,874	12,349	8,874	21,223	464	464
2	33	10,394	48,649	10,394	59,088	22,853	22,853
2	35/1	756	36,642	756	37,398	0	0
3	35/3	12,588	48,032	12,588	60,620	20,033	12,258
	Total	32,612	145,717	32,612	178,329	43,350	35,575



Source: DDCS&PMSC Monthly Progress Report -- June, September and December 2016

3.1.2 **Outputs of A1: Rehabilitation and Improvement of Polders –Package 02**

Works package W-02 comprises six polders - namely 39/2C, 40/2, 41/1, 43/2C, 47/2 and 48. The tender package was floated 04 December 2015 with an original submission due date of 28 January 2016, extended to 24 March 2016. The evaluation of bids was completed, World Bank gave its no objection and the contract award recommendation has been sent to CCGP. CCGP has cleared the award and notice of award was issued to the Contractor on 15 December 2016 after some delay due to a discussion of procedural and budgetary issues between the BWDB and the World Bank.

3.1.3 **Outputs of A1: Rehabilitation and Improvement of Polders –Package 03**

Works package W-03 will comprise the remaining seven polders - 14/1, 15, 16, 17/1, 17/2, 23, 34/3. The status of survey work for design as of 31 December 2016 of seven (7) Polders, viz. 14/1, 15, 16, 23, 17/1, 17/2 and 34/3 under Package-3 is the same as it was on 30 June 2016. The actual design work commenced in the July-September 2016 quarter now stands at about 20% complete. The designs are expected to be completed by 30 June 2017.

Table 24: Progress of Technical Survey Work for Design of Package 03

	100% Complete	Not Complete
Topographic Survey	Polders 14/1, 15, 16, 23, 17/1 and 17/2	Polder 34/3 – 0%
Digital Elevation Model Data	Polders 14/1, 15, 16, 23, 17/1 and 17/2	Polder 34/3 – 0%
Embankment survey data at 250 kms interval	All Polders complete	
Drainage channel section data at 250 kms interval	All Polders complete	
Water Level data	All Polders complete	
Peripheral river surveyed cross-section	All Polders complete	
Installation of permanent benchmarks		All polders – 0%

Source: DDCS&PMS Consultants, Monthly Progress Reports, June, September and December 2016

3.1.4 Output of A2: Afforestation

No physical progress as procurement not yet completed for concerned NGO.

3.2 Outputs of Component B: Implementation of Social and Environmental Management Frameworks and Plans

3.2.1 Outputs of B1: Implementation of Social Action Plans

These services have not yet commenced.

3.2.2 Outputs of B2: Implementation of Social Management and Resettlement Policy Framework (SMRPF) and Resettlement Action Plans (RAPs)

3.2.2.1 RAP and LAP for Package 01

The RAP Team of DDCS&PMS Consultants commenced fieldwork in March 2015. The RAP and LAP for Package 01 polders was undertaken and substantially completed with formal submission in the January-March quarter 2016 as planned. The list of affected squatters and tenants have been updated, including their inventory of losses (IOL) updated and their ID numbers based on category of losses have been devised.

The number of Project-Affected Households and Entitled Persons is presented in the Tables 25 and 26 below.

Table 25: Number of Titled and Non-Titled Entities (excluding tenants and wage laborers) in Package 01 Polders

Category	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total
Titled	368	239	387	104	1,098
Non-titled	1,207	1,439	1,615	256	4,517
Total	1,575	1,678	2002	360	5,615

Source: RAP Team, DDCS&PMSC

Table 26: Breakdown of Non-Titled EPs by Polder and Category

Category	Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total
Squatters	1,207	1,439	1,615	256	4,517
Tenants	86	157	196	09	448
Wage Laborers	23	75	117	11	226
Total	1,316	1,671	1,928	276	5,191

Source: RAP Team, DDCS&PMSC

Implementation of the RAP for Package 01 has progressed as shown in the table below. KMC had prepared a Resettlement Action Plan in 2013 for works package 01 during project appraisal stage and now has updated it (excluding polder 39/2C, from package-1, which was shifted to works package 02). The updated RAP was submitted to PMU for review and approval, comments were received and the revised document submitted again in May 2016. RAP is being updated based on latest survey data.

Key accomplishments during the October-December 2016 quarter include:

- IOL update completed
- PAVC has completed its work for land valuation, structures and trees
- Entitled Persons File & Entitlement Card (EP&EC) has been generated for all non-titled EPs
- Indent and Debit Voucher prepared for making payment of compensation and benefits to second group of non-titled EPs, numbering 305 persons.
- Participation in the issuance of compensation payments to 297 of the 305 non-titled EPs⁸.
- Most of the first batch of 1,119 compensated PAHs have already vacated the right of way.

Table 27: Summary Progress of LAP and RAP Implementation – Package 01

Sl. No.	Milestone Actions	Target date of completion	Target to achieve in %	Progress as of 30 Sep 2016	Progress as of 31 Dec 2016	Remarks
1	Video recording of assets in the ROW	30 May 2015	100% in 4 polders	100% 5,453 Eps	100% 5,191 EPs	<u>Done since prior year.</u> Dates of capturing video of assets as of cut-off date are visible in the DVD that will help the GRC to make decision if there is requirement of further investigation during GRC process.
2	Joint Verification Survey	Early January 2016	100% in 3 polders	100% 4 polders	100%	P-32, P-33, P-35/3 are done by June 2016 P-35/1 JVS finally completed in September 2016.
3	Photography of non-titled EPs	15 October 2015	90%	90 % as of June	100%	Prior Quarter: P-32- 99%, P-33- 97%, P-35/1-85%, P-35/3-93%
4	ID Card preparation for EPs	15 November 2015	90%	94.7%	No update	Prior Quarter: P-32- 99%, P-33- 96%, P-35/1-86%, P-35/3-95%
5	ID Card Issuance by XEN	30 April 2016	90%	85% (4,508 issued) as of June	90% (4,680 issued)	Prior Quarter: Total 4,508 ID cards have been issued by XEN; P-32- 90%, P-33- 84%, P-35/1- 81%, P-35/3-79%
6	ID Cards distribution	30 April 2016	90%	73% as of June	90%	Prior Quarter: Total 3,868 ID cards have been distributed by KMC; P-32- 85%, P-33- 77%, P-35/1- 69%, P-35/3-71%
7	Collection of NID	31 October 2015	90%	92% As of June	90%	Prior Quarter: P-32- 98%, P-33- 94%, P-35/1- 84%, P-35/3-95% Some of the non-titled EPs were re-classified as titled holders

⁸ It is noted that BWDB has paid the Income Tax (IT) of 1% of compensation due on the compensation amount.

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Sl. No.	Milestone Actions	Target date of completion	Target to achieve in %	Progress as of 30 Sep 2016	Progress as of 31 Dec 2016	Remarks
						after JVS, hence the decline in %age between 2 nd and 3 rd quarter.
8	Bank Account Opening for non-titled EPs	31 January 2016	90%	94.4%	98.4%	Prior Quarter: P-32- 98%, P-33- 94%, P-35/1- 84%, P-35/3-85%
9	Collection of Certificates from LGI	31 January 2016	90%	92% as of June	90%	Prior Quarter: P-32- 98%, P-33- 94%, P-35/1- 84%, P-35/3-95%
10	Focused group meetings	15 February 2016 for completion of first 4 rounds; ongoing thereafter	100%	Additional meetings done with 175 groups (4 th round meetings done with some groups) as of June	98%	Current Quarter: Total meetings done is 1141 up from 949 in the prior quarter. Continuous process, until displacement takes place. The number of meetings has exceeded the total plan, though meetings are needed on roughly monthly basis with all resettled persons.
11	Land Acquisition Proposals sub'd to DC Khulna, Bagerhat	September 2015 for Package 01	100%	100% final	100% final	All 4 LAPs submitted to DC Offices. LAPs for P-32, 33 & 35/3 approved by MOL and Prime Minister's Office during July-September quarter. JVS for P-35/1 completed in 29 Sep 2016; sent to MOL in October and awaiting approval
12	Notice issued under Section 6 by DC			Polder 35/3 – 13 July 2016	Polder 32 – 03 Nov 2016 Polder 33 – 17 Nov 2016	
13	Property Assessment Valuation Committee formed	28 December 2015 for Package 01	100%	100%	100%	<u>Done.</u> Formed and approved by PD on 28 Dec 2015.
14	PAVC assesses replacement value of assets	December 2015	All asset types; all polders	100%	100%	Replacement value of land substantially completed by DCs during the April-June 2016 quarter and fully completed by 31 Dec 2016. <u>As background:</u> In meetings on 7 and 11 January 2016, all assets assessed for all 4 polders of package 01, except land. The PAVC rates along with methodology were revised as per desire of the PMU. PAVC has recommended revised rates and methods on 16 March 2016. WB has provided guidelines for assessment of replacement value of property including land.
15	Grievance Redress	December 2015 for	15 GRCs	100%	100%	<u>Done.</u> Formed and approved by PD, but

Sl. No.	Milestone Actions	Target date of completion	Target to achieve in %	Progress as of 30 Sep 2016	Progress as of 31 Dec 2016	Remarks
	Committee formed and approved by PD	Package 01				not yet functioning.
16	No. of grievances received			5	32	32 Grievances received cumulatively as of December 2016.
17	Grievances Resolution status e.g. resolved, forwarded upper tier, not resolved etc.			0%	0%	Out of 32 grievances none of them has been resolved because the GRCs have not yet convened.
18	Compensation paid to Non-Titled EPs				1462	Payment made to EPs in 2 installments (1st. in Sep & Oct paid to 1136 out of 1157 EPs, being 21 EPs were absent), & 2 nd instalment paid in Dec 2016 to 305 EPs). Breakdown by Polder are: P-32 – 420, P-33 -416, P-35/1 -432 & P-35/3 -173
19	Relocation status				1405	Out of 1441 EPs, 1405 relocated respectively on own land-643, purchased land-255, on others land 232 & temporarily relocated 145. Breakdown of EPs relocated by their own ways.

Source: RAP Team, DDCS&PMSC

Actual information on the required land for three polders under package 1 as finalized after JVS is given below along with the estimated land acquisition for polder 35/1. There has been an adjustment in the estimate for polder 35/1 based on information that has come to light during the work of the JVS team. It was found that some of the land designated for acquisition had already been acquired for embankment right-of-way in the past.

Table 28: Land Requirement for Package-01

Polder No	As per 31 Dec 2015			Current (last adjusted 30 Sep 2016)		
	Total length (km)	Area to be Acquired acres	hectares	Total length (km)	Area to be Acquired acres	hectares
32 (After JVS)	49+068	125.1178	50.65	49+333	125.1178	50.65
33 (After JVS)	49+500	31.7858	12.87	49+500	31.7858	12.87
35/3 (After JVS)	40+000	61.7880	25.02	40+000	61.7880	25.01
35/1	63+000	143.4816	58.09	63+220	85.6451	35.00
Total		362.1732	146.63		304.3367	123.53

Source: RAP Team, DDCS&PMSC

The DDCS&PMS Consultants have developed software using Visual FoxPro for preparation of entitled persons' (EP) files and entitlement cards (EC) and these data are being used to prepare indents for payment.

The DDCS&PMS Consultants have undertaken a substantial consultative process as evidenced by the number of consultations they have reported. Most groups have received four or more rounds of consultation so far.

Table 29: Focus Group Formation and Number of Meetings-Package 01

Polder No.	Status on 30 Sep 2016		Status on 31 Dec 2016	
	Focus Groups Formed	Focus Group Discussions	Focus Groups Formed	Focus Group Discussions
32	68	334	68	350
33	63	246	63	307
35/1	75	314	75	352
35/3	15	83	15	105
Total	221	977	221	1,114

Source: RAP Team, DDSC&PMSC

There are rounds of consultations which follow a logical progression in their content as described below.

Agenda of 1st Round FGD Meeting

1. Group Formation
2. Selection Member of FGD Committee
3. Select Designation of committee members
4. Describe objectives of FGD
5. Describe objectives of Project
6. Responsibility of Committee Member
7. Approximate date of next Meeting

Agenda of 2nd Round FGD Meeting

1. Photography of EPs
2. Bank Account Opening
3. Collection of certificate from LGIs, NID, Trade License and other papers

Agenda of 3rd Round FGD Meeting

1. EP ID Card preparation
2. Information Booklet distribution and reading out policies in the meeting
3. Procedure of payment from BWDB and required documents for payment

Agenda of 4th Round FGD Meeting

1. Timeline of the project and relocation requirements after payment
2. Search alternative location from now for relocated by themselves after displacement
3. Limitation of the project in providing relocation sites
4. Encouraging displaced people to be relocated in a cluster manner

Comparing prior quarter progress with the current quarter in the foregoing tables, it can be seen that many steps in Package 01 RAP implementation are progressing well, though the relocation planning and livelihood restoration program have not been given adequate or early enough attention. The 1119 EPs given compensation by September have begun to vacate the project area in October and now almost all have done so, but there has been very limited assistance or pre-screening of possible sites for relocation as the Physical Relocation Assistance Committees (PRAC) have only been formed in November 2016 and are not yet functional.

Among the EPs already compensated, almost 87.6% have relocated (on their own) as of 31 December 2016. This breaks down as 10.9% of EPs have been relocated temporarily at nearby location beyond the CEIP-1 right of way and 76.7% have been permanently relocated. 33.2% of the

compensated EPs have permanently relocated by moving on their own land, 16.1% on newly purchased land and 27.4% on other land locations. People have not agreed for cluster or group relocation so far despite the offer of community amenities; this is reportedly due to several reasons including kinship ties with the host villages, mal-adjustment/mismatch with the neighboring people and scarcity of suitable land for group relocation.

Table 30: Relocation Status of Squatters – Package 01

Sl. No.	Status of relocation	Number of squatters relocated by polders					
		Polder 32	Polder 33	Polder 35/1	Polder 35/3	Total	Percentage
1	Relocated on own land	135	50	218	79	482	33.2
2	Relocated on purchased land	100	14	93	22	229	16.1
3	Relocated on other's land	109	208	59	14	390	27.4
4	Relocated Temporarily at nearby area	12	116	15	12	155	10.9
5	Not yet relocated/ to be relocated	63	27	41	46	177	12.4
	Total	419	415	426	173	1433	100.0 %

Source: RAP Consultants

RAP implementation continues to be on the critical path for handing over of sites for construction work. While 1416 (1119+297) squatters⁹ have been given their compensation and the majority have vacated the right-of-way, these PAPs are not all together in one location or in solid stretches. Thus, contiguous areas of land is not be available for handing over to the Contractor where squatters are on the polder embankments.

The Resettlement Action Plan Milestones remaining for works package 1 are listed in Annex 6. Based on initial estimates presented in the October-December quarter of 2015, the vacating of embankment and construction sites milestone would take about 7 months from 01 January 2016. In the January-March quarter, this estimate was revised to about 01 October 2016. Payments to the balance of non-titled EPs are expected to stretch through April 2017, according to the assessment of DDSC&PMSC's RAP Team. Thus, an optimistic estimate for all resettled persons to vacate the construction sites is 31 May 2017 and a planned seven month process will have taken 17 months. Since works should be proceeding now during the dry season at full swing, but before the full completion of the resettlement effort, careful prioritization and coordination with the Contractor's work program will be required.

Table 31: Status of Agreed Actions on LAP and RAP – Package 01

S.N.	Activities to be carried out	Planned Completion date as of 30 June 2016	Status as of 30 Sep 2016	Status as of 31 Dec 2016	Remarks
01	Finalize Package 01 RAP	30 September 2016	Update in process	Approved by GoB competent authority	
02	Complete Bengali translation of Package 01 RAP	30 September 2016	To be done	Done, but some corrections being made and planned to be submitted 15 February 2017.	Per WB Aide Memoire of June 2016, target date was 31 Aug 2016.

⁹ Checks were actually prepared for 1157 and 305 EPs in two tranches, but 38 and 8 persons respectively did not appear for payment during the announced September disbursement dates. Disbursements were made at the Union Parishad Chairman's offices – a locally accessible location. These will be tracked down and payment made as soon as possible. A few checks are being held due to finalizing decision on alignment.

S.N.	Activities to be carried out	Planned Completion date as of 30 June 2016	Status as of 30 Sep 2016	Status as of 31 Dec 2016	Remarks
03	Program for development of strategy and action plan for settlement of pending land legacy issues with timetable.	31 July 2016	DDCS&PMSC team to assess the issue and present a note to PMU.	Not yet done.	
04	Program for development of database of land ownership and land taking under existing embankments with timetable.	31 July 2016	DDCS&PMSC team to assess the issue and present a note to PMU.	Not yet done.	
05	Strategy and action plan for permanent relocation of displaced squatters	31 August 2016	Being drafted.	DDCS&PMSC submitted to PMU and this was shared with WB (in October). It needs further work and is expected to be submitted 15 Feb 2016.	Per WB Aide Memoire of June 2016, target date was 31 July 2016.

3.2.2.2 RAP and LAP for Package 02

A draft RAP was first submitted to PMU for comments and observation in the January-March 2016 quarter and is yet to be finalized. The census and initial Inventory of Losses (IOL) was conducted in 2015, but a revised LAP was prepared so the IOL was updated as required by the TOR before implementing the RAP. Field level updating of the inventory started in March 2016 and was completed in June 2016.

The RAP of Package-2 was prepared based on the census and IOL survey conducted in 2015. Total number of entities identified during census and IOL in 2015 was 7103. The RAP was submitted to the World Bank through the PMU office and it will start to be implemented immediately after obtaining clearance from the Regional Safeguards Advisor (RSA) of the World Bank. A total of 6658 entities were identified during updating census and IOL survey on private and public land in June-October 2016. Updating of IOL continues. Property valuation surveys were conducted and Mouza rates (Government-declared rate for land) were collected from concerned Sub-Registrar's office for ascertaining replacement cost of the land, structure and trees.

Table 32: Number of EP Households – Package 02

Polder No	Total Surveyed HHs	Private Land	Squatter	Tenants (GOB land)			Wage laborers (GOB land)
				Commercial	Residential	Total	
39/2	1540	1489	51	27	6	33	28
40/2	1905	61	1844	398	17	415	103
41/1	910	20	890	66	4	70	11
43/2	645	60	585	117	10	127	22
47/2	181	18	163	7	0	7	1
48	1477	3	1474	200	27	227	234
Total	6658	1651	5007	815	64	879	399

Source: RAP Consultants, Monthly Progress Report, December 2016

LAPs for all six polders were submitted to PMU in the January-March 2016 quarter for review and field-truthing at XEN level. XENs of the concerned districts have visited the site and have finally concurred with the LAPs. Land Acquisition Proposals for polder 43/2C, 47 and 48 have been submitted to DC office Patuakhali. LA Proposals for polder 39/2C, 40/2 and 41/1 have been prepared as per requirement of the DC offices (one LAP for each Mouza) and submitted to DC office Pirojpur, Jhalokathi and Barguna in the first week of October 2016. Other LAP-related activities during the quarter included:

- i. Reconnaissance field visit by the DC officials of Patuakhali was carried out at Polder 48 on 16 October 2016 and at Polder 47/2 on 17 October 2016;
- ii. Reconnaissance visit was carried out at Polder 39/2C by Pirojpur DC officials on 22 October 2016;
- iii. District Land Allocation Committee (DLAC) meeting was held at Jhalokathi on 30 November 2016. DLAC meetings in other districts are yet to be held.

Focus Groups have been formed (227 is the final number instead of the 235 initially planned) and discussion started. The Bengali language information brochure is being distributed. An Tribal People's Development Plan (TPDP) for the Rakhine Community at polder 48 is being prepared.

Table 33: Focus Group Formation and Meetings-Package 02

Polder	FGD Target	FGD Formed	FGD Meetings
39/2C	32	32	38
40/2	57	57	143
41/1	38	38	140
43/2C	31	31	106
47/2C	09	09	26
48	60	60	145
Total	227	227	598

Source: RAP Consultant's Monthly Progress Report, December 2016

Table 34: Summary Progress of LAP and RAP Implementation – Package 02

Sl. No.	Milestone Actions	Target date of completion	Target to achieve in %	Progress as of 30 Sep 2016	Progress as of 31 Dec 2016	Remarks
1	RAP overall	31 Oct 2015, originally	100% in 6 polders	RAP submitted to PMU on 16 May 2016 under revision.	50% completed. Revised RAP submitted in October 2016.	Comments of the WB Regional Safeguard Advisor awaited.
2	LAP overall	30 Nov 2015, originally	100% in 6 polders	LAPs 43/2C, 47/2 & 48 submitted to DC on 28-30 Aug 2016. LAPs for 39/2C, 40/2 and 41/1 prepared as per DC requirement (one LAP per mouza)	3 remaining LAPs were submitted to DC office on following dates: 40/2 and 41/1 - 06 Oct 16 39/2C - 10 Oct 16	
3	Census		100% in 6 polders	100%	100%	Conducted 01 June – 31 Oct 2015
4	IOL Survey		100% in 6 polders	Update 100% complete	100%	
5	Video recording of assets in ROW		100% in 6 polders	100%	100%	After updating of IOL, video filming was done again.

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Sl. No.	Milestone Actions	Target date of completion	Target to achieve in %	Progress as of 30 Sep 2016	Progress as of 31 Dec 2016	Remarks
6	Market survey		100% in 6 polders	Done	Done (100%)	Market survey is done again after updating of IOL
7	Mouza maps collected		100% in 6 polders	Done	Done (100%)	All mouza maps have been collected and LAPs prepared
8	Land survey per designed alignment		100% in 6 polders	100%	100%	Due to changing of alignment at various location land survey had to be done repeatedly.

Source: RAP Team, DDCS&PMSC

Table 35: Status of Agreed Actions on LAP and RAP – Package 02

S.N.	Activities to be carried out	Planned Completion as of 30 Jun 16	Status as of 30 Sep 2016	Status as of 31 Dec 2016	Remarks
01	Submission of 3 Remaining LAPs as per requirement of DC offices	September 10, 2016	Not yet done	Final 3 LAPs submitted to DC early October 2016	Per WB Aide Memoire, target date was 31 Jul 2016.
02	Checking and validation of updated IOL data with data sheet at the field level	September 30, 2016	Not started	Started in October and completed in November 2016	
03	Devising ID number of EPs	October 15, 2016	Completed 30 September 2016	Completed	
04	Focused group formation	August 31, 2016	89%	100%	227 FGDs formed.
05	Focused Group discussion	ongoing	ongoing	598 FGDs conducted; some have gone through 2 rounds	FGDs are going on
06	Photography of EPs	November 2016	Not yet started	62%	Target 90%
07	Preparation of ID cards	December 15, 2016	Started September 2016	51%	Target 90%
08	Collection of necessary papers (NID, Bank Account Slip, Trade License, etc.)	December 15, 2016	Started September 2016	69%	Target 90%
09	Opening of bank accounts		Not reported.	69%	
10	Formation of PAVC	October 31, 2016	Nominees are being selected by the DC offices, Local Government and BWDB. Nomination is not finalized.	Still under process	Delayed.
11	Formation of GRC	December 31, 2016	Nominees are being selected by the Local Government and BWDB. Nomination is not finalized.	Formed, but not yet functional.	Delayed.

S.N.	Activities to be carried out	Planned Completion as of 30 Jun 16	Status as of 30 Sep 2016	Status as of 31 Dec 2016	Remarks
12	Determination of unit rate for structure and trees	November 30, 2016	Awaiting appointment of PAVC committee members	Delayed.	Delayed.
13	Updating of Resettlement Action Plan	December 31, 2016	IOL has been updated but RAP is not yet updated as because the original RAP is not yet cleared by the World Bank. Can only be done after getting concurrence from the World Bank and the PAVC recommended rates are available.	Awaiting WB RSA clearance of RAP	Likely completion not earlier than February 2017.
14	Determination of individual entitlement	December 31, 2016	Individual entitlement will be determined after PAVC rate is available.	Under process	Likely completion not earlier than February 2017.

Source: RAP Team, DDCS&PMSC

3.2.2.3 RAP for Package 03

The RAP/LAP team has commenced collecting information on previously acquired land from the local BWDB offices for facilitating preparation of LAPs for the Package 03 polders. Following the good practices of Package 2, PMU has written to concerned BWDB offices so they will assist in obtaining such information on previously acquired land. This information is supposed to be available at the O&M Division of the BWDB Khulna and Bagerhat. Some of the information is available there and many of them are being collected from DC offices in Khulna and Bagerhat. As of December 2016 the RAP team collected 75% of the information on previous acquisition of 5 polders (except Polder 14/1 and 15) of Package 03. Mouza Maps are also being collected from the office of Director Land Records (DLR). As of December 2016, 50% of the mouza maps of 5 polders (except 14/1 and 15) has been collected. After finalization of the alignment by the Engineering Team the RAP team will start collection of Katians, preparation of plot schedule and Land Acquisition Plans (LAPs). After finalization of the alignment the RAP team will start conducting census and IOL survey in Package 03 polders.

3.2.2.4 Grievances for Package 01

Currently, 32 complaints/grievances have been formally received. Of them, 13 are related to structures, 5 related to trees and plants, 6 related to ponds and 3 related to others. The number of grievances lodged as of 30 September 2016 was five and another 27 were lodged during the quarter. GRCs have not yet been convened as of 31 December 2016.

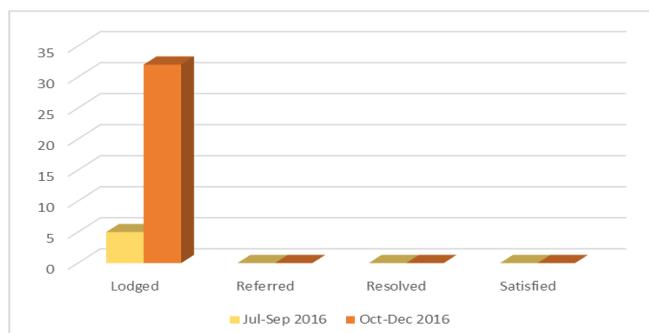


Figure 3: Number of Resettlement Grievances – Package 01

3.2.2.5 Challenges Encountered During RAP Preparation and Implementation

The key challenge reported by the RAP Team of the DDCS&PMS Consultants is that the level of effort that will be required to implement the RAP fully, especially properly tracking and facilitating the relocation and livelihood restoration of displaced persons, exceeds their resources. It is an immediate issue as the project is already into the physical relocation stage.

Timely delivery of compensation checks depends on the various officials of PMU, DDCS&PMS Consultants and RAP Team. Each and every step is not equally prompt in passing and signing the documents for quick disbursement of compensation. Encumbrance-free land must be made available to the contractor in a timely fashion; otherwise they can make claims. The payment procedure should be expedited.

3.2.3 Outputs of B3: Implementation of EMF and EMPs

3.2.3.1 Status of Submission and Review of Draft EIA Reports for Packages 1 and 2

The status of EIA preparation is presented in the table below by polder. EIAs have been prepared for all Package 01 polders in May 2013. They have been approved by the World Bank and Environmental Clearance Certificates (ECC) have been issued by the Department of Environment of GoB on 08 October 2015 and must be renewed annually. The renewal request was made on 20 October 2016 via letter to the Director, DOE, Khulna Division and Bagerhat DOE District Office with copy to the Director General DOE headquarters in Dhaka. Renewed ECC has not yet been issued.

Package 2 EIAs were first done in draft in 2015 and these have been further elaborated through iterative reviews as shown in the table below.

Table 36: Status of EIA Preparation

S N	Polder	Pkg No	Field investigation status	Draft to PMU	Comment from PMU/M&E*	Revised Draft to PMU	Draft to WB	Comment from WB	Actual Date Final Draft to WB	Target Date for Final Draft to WB	WB concurs	DoE Issues First Annual ECC
1	32	1	Done: Dec 2012						May 2013		Yes	08 Oct 2015
2	33	1	Done: Dec 2012						June 2013		Yes	08 Oct 2015
3	35/1	1	Done: Dec 2012						May 2013		Yes	08 Oct 2015
4	35/3	1	Done: Dec 2012						May 2013		Yes	08 Oct 2015
5	39/2C	2	Done	13 Sep 15 03 Feb 16	02 Nov 15	18 Feb 16 30 Mar 16 23 Aug 16	03 Nov 15 18 Feb 16 30 Mar 16 24 Aug 16	17 Nov 15 12 Jun 16 Need IPOE	05 Feb 17	Aug 2016		
6	40/2	2	Done	05 Oct 15 24 Mar 16 20 Apr 16	02 Nov 15 31 Mar 16 09 May 16	10 May 16 29 Sep 16	03 Nov 15 10 May 16 29 Sep 16	17 Nov 15 18 Aug 16 Need IPOE	05 Feb 17	Aug 2016		
7	41/1	2	Done	05 Oct 15 30 Mar 16	02 Nov 15 09 May 16	03 Apr 16 10 May 16 22 Aug 16	03 Nov 15 03 Apr 16 10 May 16 24 Aug 16	17 Nov 15 12 Jun 16 Need IPOE	05 Feb 17	Aug 2016		
8	43/2C	2	Done	05 Oct 15 19 May 16	02 Nov 15 22 May 16	16 Jun 16 02 Oct 16	03 Nov 15 19 Jun 16 On hold	17 Nov 15 18 Aug 16 Need IPOE	05 Feb 17	Aug 2016		

S N	Polder	Pkg No	Field investigation status	Draft to PMU	Comment from PMU/M&E*	Revised Draft to PMU	Draft to WB	Comment from WB	Actual Date Final Draft to WB	Target Date for Final Draft to WB	WB concurs	DoE Issues First Annual ECC
9	47/2	2	Done	05 Oct 15 Apr 2016	02 Nov 15 21 Apr 16	28 Apr 16 21 Sep 16	03 Nov 15 29 Sep 16	17 Nov 15 28 Apr 16 18 Aug 16 Need IPOE	05 Feb 17	Aug 2016		
10	48	2	Done	05 Oct 15 04 Apr 16	02 Nov 15 11 Apr 16 10 Aug 16	13 Apr 16 08 Sep 16	03 Nov 15 18 Apr 16 29 Sep 16	17 Nov 15 08 Aug 16 Need IPOE	05 Feb 17	Aug 2016		
11 12 13 14 15 16 17	14/1 15 16 17/1 17/2 23 34/3	3	Field investigation is still in progress** for 16, 17/1, 17/2	Not yet						September 2016		

Source: PMU, DDCS&PMSC and M&E Consultant records

*The comments from PMU/M&E Consultants have been reviewed and finalized with PMU/M&E Consultants and these are being incorporated in the final EIA Reports.

** Field investigation is in progress based on Feasibility Level Design which will be finalized after obtaining the model study much of which was completed during the current quarter. After this, the design will be prepared and data will be collected for preparation of the EIA and EMP based on detailed design.

3.2.3.2 Status of Submission and Review of Draft EIA Reports for Package-3

Draft EIA Reports of seven polders of Package-3 have been submitted by CEGIS to the DDCS&PMS Consultants, based on the information available so far for primary review. All of these are nearing completion by CEGIS in the standard format that has been used in the past. A new format is to be developed for one polder (34/3) as a model in the next quarter.

Table 37: Activity-wise Progress of EIAs for Package 03

S.N.	Description	Status	Comments
1	Project design and description	70% complete	Require some data from the CEIP office to complete this chapter
2	Environmental baseline survey	100% complete	-
3	Scoping and bounding	100% complete	-
4	Major field investigation with Public Consultation Meeting (PCM)	90% complete	PCM at Upazila level being conducted after completion of the report containing detailed information
5	Assessment of climate change impact	100% complete	-
6	Analysis of project alternatives	100% complete	-
7	Environmental Impact Assessment	90% complete	Require RAP data and information to complete this chapter
8	Assessment of cumulative and reciprocal impacts	50% complete	Require modelling data and information for assessment of reciprocal impacts
9	Preparation of Environmental Management Plan (EMP)	90% complete	To be updated after completion of write up on reciprocal impacts
10	Preparation and submission of draft EIA report	Draft EIA reports of 7 polders have been prepared internally	-Comments on all seven EIA reports under Package-3 have been completed and sent to CEGIS -Incorporation of the comments and suggestions in the report is going on by CEGIS
11	Preparation and submission of draft EIA report to PMU	-	-

Source: DDCS&PMSC

Comments made by the M&E Consultants on the fishery aspects are being looked at now. The issue has proposed to be resolved in consultation among the Design Engineers, Fisheries Expert and the Environmental Specialists of the Consultants and PMU in presence of the Team Leader, M&E consultants and IPOE Professor Nishat Ainun.

3.2.3.3 Status of Environmental Action Plan

The Contractor's EAP was given provisional approval by the DDCS&PMS Consultants and submitted to the World Bank on 24 October 2016, through PMU, for comment. The World Bank provided guidance – specifically that there should be one EAP per polder and that it should more fully elaborate upon the EMP. The DDCS&PMS Consultants continue to assist the Contractor in preparation of the EAP, with input of PMU and the M&E Consultants.

The DDCS&PMS Consultants prepared related documents for imparting training of the Contractor's personnel, CEIP-1 field level Consultants and BWDB officials. The training started on 01 and 02 October 2016 and there was a second round of training in November. This was followed by training by the environment staff of the Contractor providing orientation and training to about 50% of Contractor staff. This cascade training strategy needs to be assessed to make sure that the contractor and consultant staff fully understand the EMP including its mitigation and monitoring requirements.

3.2.3.4 Status of Bi-Annual Environmental Monitoring Report

No report was due during the quarter. The last such report was prepared through a collaboration of PMU, M&E Consultants and DDCS&PMS Consultants and submitted to the World Bank on the deadline of 31 July 2016.

3.2.3.5 Field-Level Environmental Compliance

EMP compliance at work sites was monitored and observations are presented in the table below.

Table 38: EMP Compliance at Work Site for Construction Activities

Sl.	EMP Issues	Level of compliance	Comments
1	Use of topsoil	It was observed that in some locations the Contractor is not removing and then restoring the topsoil from borrow sites.	While this was apparently done with the consent of the landowner, this has obvious negative environmental consequences for productive land.
2	Erection of Signboard	Signboard/Billboard has been erected at suitable location of work site	Some of worksites still need to erect new signboard/Billboard
3	Supply of safe water to workers	Tube well/bottled safe water has been supplied to workers	Some reports received that safe drinking water is provided only during visits by external persons.
4	Provision of sanitation facility	This facility has been complied in few work sites	Need further improvement of the issue by the contractor
5	Provision of First aid facilities	First aid facility has been available all worksites	The medicines and treatment materials to be replenished by the Contractor, whenever required
6	Supply and use of PPE	PPE have been supplied in most work sites	Contractor needs to ensure all workers use the PPE
7	Waste management	Waste management has been done partially at work sites	Segregation of wastes is being done, but ultimate disposal plan needed.
8	Cleanliness of camp site and work site	Camp sites and work sites are generally clean and tidy.	
9	Contractor Emergency Response Plan	Good document has been prepared.	Contractor should disseminate its plan and make sure all staff and workers are well versed in it. There will be no time to find and read the document once an emergency occurs.

Sources: DDCS&PMSC, Sr. Social Specialist of PMU and M&E Consultants

3.2.3.6 Status of Afforestation

Afforestation work has not yet commenced. Targets are reported in the table below, based on the Additional Tasks Assigned section of the Volume III: Afforestation Report of March 2013. These amounts are under revision as the RAP/LAP are being developed and finalized for the three packages.

Table 39: Afforestation Targets per Afforestation Report of March 2013

SL No.	Polder No.	Afforestation (ha)	Package No.	Total
1	2	3	4	5
1	32	35.4	P-1	123.84
2	33	41.7		
3	35/1	25.8		
4	35/3	20.94		
5	39/2C	11.27	P-2	88.19
6	40/2	17.06		
7	41/1	19.81		
8	43/2C	13.43		
9	47/2	9.73		
10	48	16.89		
11	14/1	17.37	P-3	116.89
12	15	6.02		
13	16	24		
14	17/1	29.53		
15	17/2	8.45		
16	23	19.04		
17	34/3	12.48		
Total		328.92	Total	328.92

Source: Afforestation Report, March 2013

3.3 Outputs of Component C: Construction Supervision, Project Monitoring and Evaluation and Coastal Zone Monitoring

3.3.1 Outputs of C1: Detailed Design and Construction Supervision of Package 01

3.3.1.1 Design Status of Package 01

All detailed designs have been completed for package 01 works in earlier quarters, based on modeling that determined the design parameters as well as geotechnical surveys and investigations. Revisions are being made as needed based on field conditions.

3.3.1.2 Preparation of Bidding Documents for Package 01

Bid Documents were completed in 2015 and the Contractor has commenced services on 26 January 2016.

3.3.1.3 Construction Supervision for Package 01

The completed and ongoing construction works are shown in section 3.1.1. The DDCS&PMSC is undertaking the required site supervision activities. However, daily or weekly site reports are not consistently being prepared. Overall a construction site supervision system is not yet fully operational, while the DDCS&PMSC has fielded its supervision engineers already. A construction supervision manual is yet to be prepared. The Contractor submitted a revised quality assurance manual in Q3 (January to March 2016) which needs further improvement.

3.3.2 Outputs of C1: Detailed Design and Construction Supervision of Package 02

3.3.2.1 Design Status of Package 02

Modelling for determining the design parameters for Package 02 polders was fully completed by the end of 2015. All geotechnical surveys and investigations under Package 02 have been completed in earlier quarters and results have been or are being used for geotechnical stability and foundation designs of the embankments and hydraulic structures.

The status of design of the various elements of the works are summarized in the tables that follow. Percentage completion has been roughly estimated based on the stage of the design in the process of preparation and approval.

Table 40: Status of Design for Package 02

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	51.48	-	-	13	13	13	21	20	3	3.50	3.50	3.50
2.	40/2	34.40	34.40	34.40	40.94	40.94	-	9	9	9	11	7	4	-	-	-
3.	41/1	33.81	33.81	33.81	36.20	-	-	10	10	10	16	16	-	0.875	0.875	0.87
4.	43/2C	25.70	25.70	25.70	20.66	20.66	-	8	8	8	15	15	9	0.500	0.500	0.50
5.	47/2	17.55	17.55	17.55	13.32	13.32	-	4	4	4	5	5	-	0.520	0.520	0.52
6.	48	38.00	38.00	38.00	42.38	42.38	-	6	6	6	3	2	2	-	-	-
Total 31 Dec 16		208.71	208.71	208.71	204.98	117.3	-	50	50	50	71	65	18	5.395	5.395	5.395
Prior Quarter		208.71	208.71	208.71	204.98	96.64	-	50	50	50	71	49	-	5.395	5.395	5.395

SI No.	Polder	Embankment Slope Protection Works (km)			Flood Wall (Km)			Paved Road (Km)			Closure (No.)			Gates & 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	Design Prepared (***)	Design Approved	Target	Design Prepared (***)	Design Approved	
1.	39/2C	4.00	4.00	4.00	1.95	-	-	11.04	11.04	11.04	8	-	-	1	1	1	1	1	1	1
2.	40/2	1.137	1.137	1.137	8.30	8.30	-	5.40	5.40	5.40	-	-	-	1	1	1	1	1	1	1
3.	41/1	-	-	-	7.15	-	-	21.35	21.35	21.35	-	-	-	1	1	1	1	1	1	1
4.	43/2C	0.261	0.261	0.261	-	-	-	5.50	5.50	5.50	-	-	-	1	1	-	1	1	1	1
5.	47/2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1
6.	48	3.989	3.989	3.989	-	-	-	7.00	7.00	7.00	-	-	-	1	1	1	1	1	1	1
Total 31 Dec 16		9.387	9.387	9.387	17.4	8.30	-	50.29	50.29	50.29	8	-	-	6	6	6	6	6	6	6
Prior Quarter		9.387	9.387	9.387	17.0	7.90	-	50.29	50.29	50.29	8	-	-	6	6	4	6	6	6	6

Source: DCS&PMS Consultant

Notes:

- (*) Typical design of Flushing Sluice with classified locations have been identified and preparation of detailed design are in progress
- (**) The contractor shall design and prepare final drawings for each closure and submit to the Engineer for approval.
- (***) Typical Gate Design prepared for these polders.

3.3.2.2 Preparation of Bidding Documents for Package 02

Bid documents for Package 02 were completed and issued on 04 December 2015 and bids have been evaluated. Notice of award was issued on 15 December 2016 and contract signing is imminent.

3.3.2.3 Construction Supervision for Package 02

No activities as contract for Package 02 was only awarded on 15 December 2016.

3.3.3 Outputs of C1: Detailed Design and Construction Supervision of Package 03

3.3.3.1 Design Status of Package 03

Modeling for detailed design is underway with frequency analysis of wave height for cyclonic waves, wind data analysis, computation of embankment crest level, etc. Design is estimated to be about 20% as of 31 December 2016.

3.3.3.2 Preparation of Bidding Documents for Package 03

Progress of this task as of December 2016 is reported by DDCS&PMSC as about 20% complete. This work involves:

- i. Preparation of Bidding Documents for Package-3 commenced by taking into account the lessons learned from Package-1 and Package-2;
- ii. Updating of Technical Specification for the Bidding Documents of Package-3 is going on based on lessons learned from the bidding documents of Package-2.

3.3.3.3 Construction Supervision for Package 03

No activities as contract for Package 03 is not yet awarded.

3.3.4 Outputs of C2: Third Party Monitoring and Evaluation of Project

Key activities performed during the current quarter are summarized in this section and cover:

- Entry and cleaning of data from baseline survey
- Field Visits
- Preparation of reports
- Preparation for World Bank briefings
- Support to PMU and DCS&PMS Consultant in critical reviews of EIAs and Contractor's EAP
- Assistance to PMU in project reviews and assessment of issues
- PMIS Development

Baseline survey data entry and cleaning

Data entry was completed after the design and preparation of data entry screens with pull down menus and validations checks. This minimizes data entry error. The checking of data for consistency and reasonableness continues.

Field Visits

Field visits were undertaken during the quarter to monitor the engineering, environmental and resettlement aspects of the project.

Reports and Document Reviews

The M&E team:

- Prepared the 4th Quarterly Progress Report
- Prepared briefing materials for PMU in advance of the World Bank Video Conference in early October 2016
- Reviewed and commented on the Contractor's EAP.
- Reviewed and commented on DDCS&PMSC progress reports.

PMIS Development

The structure of the database that will be used in the web-based Project Management Information System (PMIS) continued under development. Programming has advanced substantially and a partial beta-version of the on-line system has been made available for key stakeholders to explore.

Achievement Compared to Plan

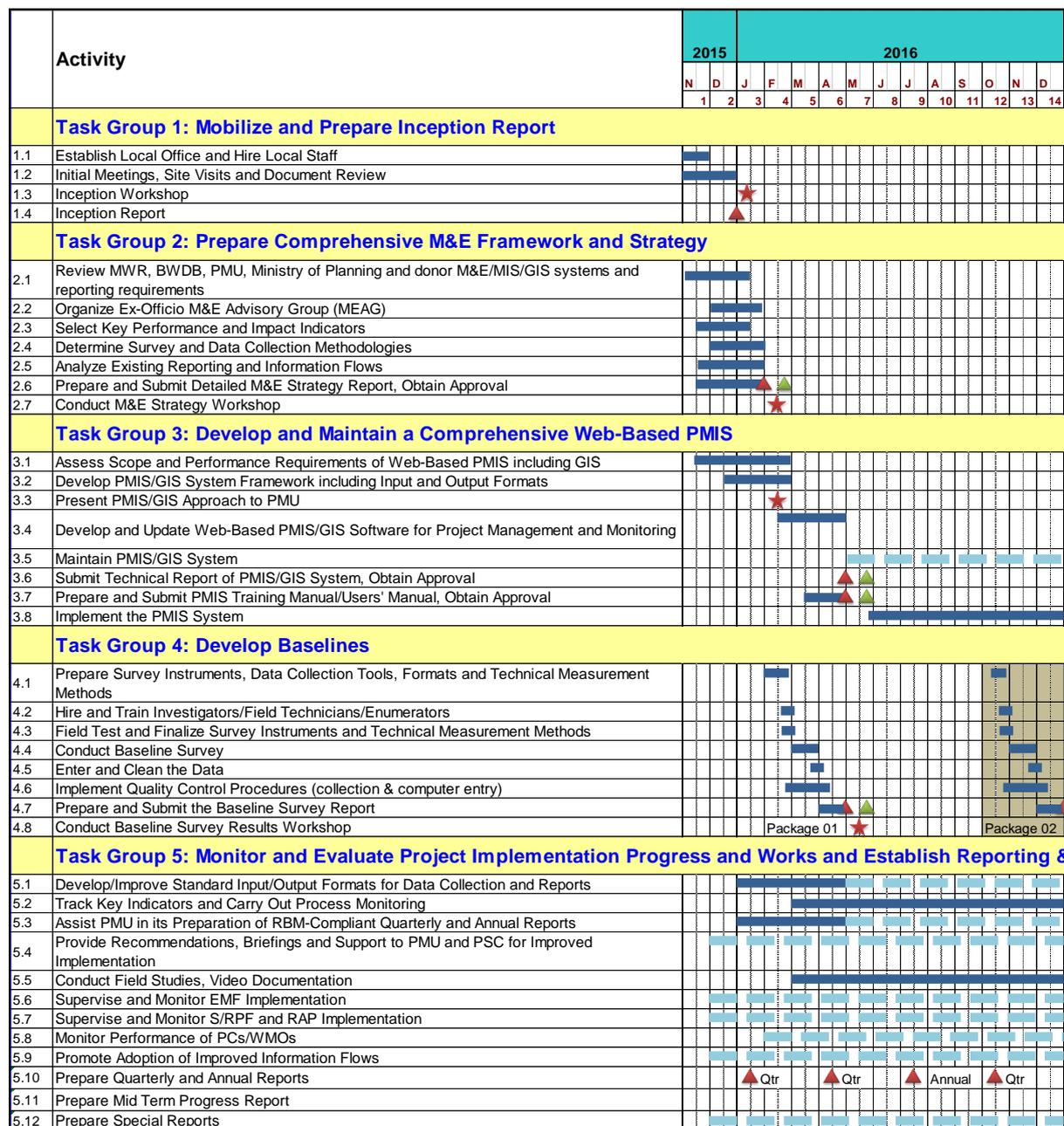
The M&E Consultants' Work Plan for the period 01 November 2015 to 31 December 2016 – first 5 of 7 Tasks only – is depicted in the figure below. The services are generally on schedule, though the consultative process surrounding the finalization of the Comprehensive M&E Framework and Strategy and survey instruments has meant a delay in the start of the baseline survey work. This is not detrimental to the establishment of the baseline (quite the contrary in fact) since very little permanent works and no resettlement had taken place during the data collection period of April-June 2016. The environmental mitigation works being done on an emergency basis to prevent flooding during the monsoon season will also have no effect on the survey results since the survey is generally capturing socio-economic data from 2015.

Table 41: M&E Achievement versus Plan

Task Groups and Major Tasks	Status
Task Group 1 – Mobilize and Prepare Inception Report	Fully completed on schedule. Inception report submitted on 26 Dec 2015 (due 31 Dec). Final version incorporating comments from workshop was issued in February 2016.
Task Group 2 – Prepare Comprehensive M&E Framework and Strategy	All tasks completed per schedule, with draft submitted on 11 Feb 2016 (due 15 Feb). Final version incorporating comments from workshop was issued in June 2016.
Task Group 3 – Develop and Maintain a Comprehensive Web-Based PMIS	Under development. A partial beta version has been shared with key stakeholders.
Task Group 4 – Develop Baselines	Questionnaires, sampling methodology done. Sampling frames developed and primary data collection done. Data entry done and data cleaning under way.
Task Group 5 – Monitor and Evaluate Project Implementation Progress and Establish Reporting System	See details below
<ul style="list-style-type: none"> Develop/Improve Standard Input/ Output Formats for Data Collection and Reports 	Completed
<ul style="list-style-type: none"> Track Key Indicators and Carry Out Process Monitoring 	Being implemented
<ul style="list-style-type: none"> Assist PMU in its Preparation of RBM-Compliant Quarterly and Annual Reports 	Being implemented
<ul style="list-style-type: none"> Provide Recommendations, Briefings and Support to PMU and PSC for Improved Implementation 	Being implemented
<ul style="list-style-type: none"> Conduct Field Studies, Video Documentation 	Being implemented
<ul style="list-style-type: none"> Supervise and Monitor EMF Implementation 	Being implemented
<ul style="list-style-type: none"> Supervise and Monitor S/RPF and RAP Implementation 	Being implemented
<ul style="list-style-type: none"> Monitor Performance of WMOs 	WMOs not yet formed
<ul style="list-style-type: none"> Promote Adoption of Improved Information Flows 	Being implemented
<ul style="list-style-type: none"> Prepare Quarterly and Annual Reports 	QPR#1, QPR#2, QPR#3 and QPR#4 prepared. First Annual Report prepared covering FY 2015/16.
<ul style="list-style-type: none"> Prepare Mid Term Progress Report 	Not yet due
<ul style="list-style-type: none"> Prepare Special Reports 	Various field visit reports prepared; briefing documents prepared for two World Bank missions; contributed to 1 st Bi-Annual Environmental Monitoring Report

Source: M&E Consultants

Figure 4: M&E Consultants Partial Work Plan – Covering the Tasks of the First Year



3.3.5 Outputs of C3: Long-Term Monitoring, Research and Analysis of Bangladesh Coastal Zone

Not yet mobilized – negotiations are still continuing since April 2016.

3.4 Outputs of Component D: Project Management, Technical Assistance, Training and Strategic Studies

3.4.1 Outputs of D1: Project Management Support and Audits

3.4.1.1 Project Institutional and Implementation Arrangements

Table 42: Status of PMU Institutional Setup

Sl. No.	Action Item	Status
1	Project Steering Committee will meet periodically to provide a forum for overall guidance, policy advice and coordination of project activities and addressing inter-agency issues.	PSC meeting took place on 14 December 2016. The last PSC meeting took place on 19 March 2015.
2	Design and Construction Supervision Consultants (DDCS&PMSC), including sub-consultants for EIA development and EMP implementation and RAP development and implementation	Contracted in December 2014 and commenced work in January 2015
3	M&E Consultants to provide support in monitoring project impacts and supervise the implementation of the EMP/RAP	Contracted in October 2015 and commenced work in November 2015.
4	NGO for Social Afforestation and Social Action Plan implementation, including formation of pilot WMOs.	Not yet recruited; re-activated shortlisting in process since June 2016
5	Procurement Panel to assist in the procurement process for large value contracts. The panel consists of two international consultants and one national consultant.	The three-member panel is in place and contracts have been extended as planned.
6	Independent Panel of Experts (IPoE) will be appointed to act as an independent “peer reviewer” and undertake various quality control functions of various technical outputs. The Panel will consist of five renowned experts: coastal, estuarine and river morphologist; sediment/tidal management expert; design expert in embankment and hydraulic structures; social expert; and environment, water management and polder expert.	Chairman of IPoE has been appointed and in place since 23 March 2015. Other panel members not yet appointed. Revision of TORs for the restructured positions submitted to World Bank and no objection received.
7	A Deputy Project Director position is envisioned in the project design and may be a useful addition to the PMU as activities start to intensify.	Discussed among PMU and World Bank and decision made to recruit the Deputy PD.

3.4.1.2 Financial Management

Table 43: Status of Financial Management Arrangements

Sl. No.	Action Item	Status
1	Special Accounts – Two separate designated accounts to be opened, one for the IDA Credit and one for the PPCR Grant	Complied. Two accounts (one for IDA, one for PPCR) opened on 16 February 2014 at Janata Bank, Kamal Ataturk Avenue, Banani.
2	All payments to be made directly by PD from PMU; no payments to be handled through the division/regional offices.	Complied.

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Sl. No.	Action Item	Status
3	100% beneficiary bank accounts will be opened for resettlement payments and no cash payments or cash checks will be issued. Resettlement payments will be shown as an individual category of expenditure in the financial statement.	Opening of bank accounts for Package 01 EPs has largely been completed. Payments have commenced and are being issued via checks that must be deposited.
4	Interim Un-audited Financial Report (IUFR), in a format acceptable to the Bank, to be submitted on a quarterly basis to the World Bank for review within 45 days from the end of each quarter	The IUFR for 4 th Quarter FY of 2015/16 (due 15 August 2016) and 1 st Quarter FY 2016/17 (due 15 November 2016) have not yet been submitted. The 3 rd Quarter IUFR was submitted in June, though it was due on 15 May. The delay is due to the heavy workload faced by PMU in the financial arena due to the vacancy in the Financial Management Specialist position since 01 March 2016. Recruitment process is underway. All prior IUFRs have been submitted 10-15 days ahead of the deadline, and all have been accepted by the World Bank including the IUFR for the 2 nd Quarter of FY 2015/16.
5	Annual audit of the financial statement by the Foreign Aided Project Audit Directorate (FAPAD) of the Auditor & Comptroller General's Office (C&AG). Audited project financial statements are to be submitted to the Bank within six months from the close of each fiscal year until the close of the credit.	FY 2014/15 financial statement audit completed and submitted to the World Bank in December 2015. FAPAD had raised two objections: 1) regarding TIN for the DDCS&PMS Consultants; and 2) that the level of tax deduction on the consultants on the Procurement Panel was lower than the required amount (20 vs. 30%). These matters have been fully resolved and per WB suggestion PMU has prepared a response to FAPAD. FAPAD has issued a letter in October removing these findings.
6	Performance audit – an independent performance audit, including review of the financial management system and verification of procurements will be carried out by a Chartered Accountant two years before the credit closing date. The process of selection and TOR for such audit(s) will be agreed with the Bank.	Not yet due.
7	Internal audit – will be carried out by the Internal Audit Wing of BWDB and the report shall be submitted to the Bank within 15 days of receipt of such report by the project.	The internal audit has taken place 29 November to 3 December and the report will be shared with the World Bank once it is received.
8	Project Audit Committee shall be established within the PMU to follow up implementation of valid audit recommendations. This committee shall be chaired by an individual independent of the project operation and consist of no less than three people including the Chairman and the PD. The committee will meet within every 120 days and minute the decisions and discussion held. These minutes will be shared with the Bank within 15 days from the data of the meeting.	Not yet established

Sl. No.	Action Item	Status
9	The Project will follow the Public Works Department (PWD) Accounts Code/Manual with updating (BWDB system). Should it become necessary, PMU will prepare a separate FM Manual for the project, which will be aligned with BWDB's financial management, compatible with the agreed funds flow arrangements and reviewed by the Bank.	PWD Accounts Code / Manual with updating BWDB system in conformity with the PPA-06 & PPR-08 are being followed.

3.4.1.3 Governance Accountability and Action Plan

The Governance Accountability and Action Plan (GAAP) is being complied with most of the action items completed. The GAAP is presented in Annex 7.

3.4.2 Outputs of D2: Technical Assistance and Training

There has been no activity during the last four quarters.

3.4.3 Outputs of D3: Strategic Studies and Future Project Preparation

Not yet commenced.

3.5 Outputs of Component E: Contingent Emergency Response

Component E has not been triggered.

4. KEY PERFORMANCE INDICATORS

The key performance indicators (KPI) as defined by the PAD/DPP are listed below along with their cumulative values. There was no change in the KPI during the quarter. A more detailed table showing targets and achievements is found in Annex 8.

Table 44: Summary Status of Key Performance Indicators per PAD/DPP

S. No.	PDO Indicators per PAD/DPP	Indicator Type	Total Project Target	Cumulative Value as of 30 Jun 2016	Cumulative Value as of 30 Sep 2016
1	Gross area protected	outcome	100,800 ha	0	0
2	Direct beneficiaries from increased resilience to climate change (number) and % women (PPCR core indic. A1.3)	outcome - core	760,000 (50% women)	0	0
3	Cropping intensity	outcome	180	Awaiting baseline	Awaiting baseline
4	Contingent Emergency Appropriation	input	No target	Not triggered	Not triggered

	Intermediate Results Indicators per PAD/DPP	Indicator Type	Total Project Target	Cumulative Value as of 30 Jun 2016	Cumulative Value as of 30 Sep 2016
5	Length of upgraded embankment	output	623 km	0.810 kms done; 9.556 kms commenced	0.980 kms done; 43.582 kms commenced
6	Drainage structures replaced and upgraded	output	129 no	0	0 (13 started)
7	Regulators upgraded	output	134 no	0	0
8	Flushing inlets upgraded	output	244 no	0	0
9	Length of drainage channels upgraded	output	794 km	0	0
10	Area Afforested (PPCR core indic. B3)	output - core	300 ha	0	0
11	Water Management Organizations functioning (meeting regularly, operations, no. of disputes)	outcome	4 no	0	0
12	Water Management Organization (WMO) formed	output	4 no	0	0
13	Improved coastal monitoring - studies undertaken (as related to PPCR core indicator on the use of climate information in decision-making)	output	2 no	0	0
14	BWDB days of training provided (total person-days) (women person-days)	output - core	160 days	33 (341 p-days) (66 woman-days)	33 (341 p-days) (66 woman-days)
15	Grievance Redress Committees (GRC) established	output	17 no of polders	4 polders (15 GRC)	4 polders (15 GRC)

5. PLANS FOR THE NEXT TWO QUARTERS

5.1 Planned Outputs for Component A: Rehabilitation and Improvement of Polders

5.1.1 Planned Outputs of A1: Rehabilitation and Improvement of Polders

5.1.1.1 Works Package 01

The DDCS&PMSC and its sub-consultants have not yet developed (or not yet shared) a detailed planning system for works for the next half year or quarter, but drawing on the World Bank Aide Memoire, the following targets have been set.

Table 45: Selected Planned Physical Outputs for Package 01

S.N.	Activity to be carried out	Planned Completion Date	Remarks
1	Additional 30 kms length of Embankment Completed	December 2016	0.980 kms complete as of this reporting period (0.170 were added during quarter)
2	Additional 60 kms length of Embankment Completed from Jan-Apr 2017	April 2017	
3	15 Drainage structures replaced	April 2017	13 Drainage structures started
4	18 Flushing Inlets upgraded	April 2017	
5	10 drainage channels upgraded	December 2016	Not yet started.
6	Additional 60 drainage channels upgraded from Jan-Apr 2017	April 2017	
7	2.45 kms of River Bank Protection works	December 2016	Urgent, but not yet started.
8	Additional 5.5 kms of River Bank Protection works from Jan-Apr 2017	April 2017	
9	Construction of Site Facilities in Khulna and on site	01 January 2017	<ul style="list-style-type: none"> • Engineer's Field Office in Khulna – 95% done; • Lab Building in Khulna – 95% done; • Engineer's Site Office at Dacope – 90% done; • Engineer's Site Office at Rayenda – 80% done • Camp sites and offices – 100% done.

Source: World Bank Aide Memoire from June 2016 Implementation Support Mission

5.1.1.2 Works Package 02

Borings are 100% completed while analysis of geotechnical investigations for Package 02 are 89% done and expected to be fully completed by June 2017. Detailed designs are 90% complete as of the

close of the quarter ending 31 December 2016 (up from 85%) on 30 September. They were expected to be fully completed by 30 September, but some additional time is needed.

As for bids, the contract was finally awarded on 15 December 2016 after the submission due date of 24 March 2016. The target for purchasing committee approval was 30 June 2016, but the Bid Evaluation Report was submitted to the WB on 19 June 2016 and WB gave NOL in July. The purchasing committee approval was given in September, but Notice of Award was issued only on 15 December 2016, given the budget and financing issues related to increased land acquisition costs. The contract is expected to be signed by 07 March 2017.

5.1.1.3 Works Package 03

No works will be undertaken until FY 2017/2018 at the earliest as the floating of the bidding documents is not planned until late 2017, if to be done during Phase 1.

5.1.2 Planned Output of A2: Afforestation

No physical progress is expected in the next two quarters as RFP not yet issued for concerned NGO. However, the selection of the NGO is expected to be accomplished during 2017.

5.2 Planned Outputs of Component B: Implementation of Social and Environmental Management Frameworks and Plans

5.2.1 Planned Outputs of B1: Implementation of Social Action Plans

Recruitment of NGO for SAP is expected to be completed in the next two quarters.

5.2.2 Planned Outputs of B2: Implementation of Social Management and Resettlement Policy Framework (SMRPF) and Resettlement Action Plans (RAPs)

The plans for Packages 01 and 02 are presented in Gantt Chart format in Figures 6 and 7.

The plans for RAP and LAP of Package 01 covering the next two quarters include:

- Completing Bengali translation of RAP
- Obtaining MOL and Prime Minister's Office clearance for Polder 35/1 LAP
- Completing the payment of compensation for all non-titled EPs by May 2017
- Starting the payment of compensation for land of the titled EPs by February 2017

Table 46: LAP and RAP Plans for Next Two Quarters – Package 01

S.N.	Activities to be carried out	Planned Completion date as of 30 June 2016	Status as of 30 Sep 2016	Status as of 31 Dec 2016	Remarks
01	Finalize Package 01 RAP	30 September 2016	In process	Approved by competent GoB authority	To be submitted to WB
02	Complete Bengali translation of Package 01 RAP	30 September 2016	To be done	Final improvements being made based on WB comments.	Per WB Aide Memoire of June 2016, target date was 31 Aug 2016.
03	Program for development of strategy and action plan for settlement of pending land legacy issues with timetable.	31 July 2016	To be done	In process	

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S.N.	Activities to be carried out	Planned Completion date as of 30 June 2016	Status as of 30 Sep 2016	Status as of 31 Dec 2016	Remarks
04	Program for development of database of land ownership and land taking under existing embankments with timetable.	31 July 2016	To be done	In process	
05	Strategy and action plan for permanent relocation of displaced squatters	31 August 2016	General overview provided. It is to be elaborated and a detailed tally of PAHs made.	Comments of WB are being incorporated	Per WB Aide Memoire of June 2016, target date was 31 July 2016.

Key milestones for the RAP and LAP of Packages 02 and 03 covering the next two quarters is presented in the tables which follow.

Table 47: LAP and RAP Plans for Next Two Quarters – Package 02

S.N.	Activities to be carried out	Planned Completion date as of 30 June 2016	Status as of 30 Sep 2016	Status as of 31 Dec 2016	Remarks
01	Devising ID number of EPs	Oct 15, 2016	Data not provided	90% done for squatters	Continuous process until payment is made by DC for titled EPs
02	Focused group formation	Aug 31, 2016	89%	100%	227 FGDs required and all have been formed.
03	Focused Group discussion	ongoing	ongoing	ongoing	
04	Photography of EPs	November 2016	Not yet started	62%	Target 90%
05	Preparation of ID cards	Dec 15, 2016	Started Sep 2016	51%	Target 90%
06	Collection of necessary papers (NID, Bank Account Slip, Trade License, etc.)	Dec 15, 2016	Started Sep 2016	69%	Target 90%
07	Formation of PAVC	Oct 31, 2016	Nominees are being selected by the DC offices, Local Government and BWDB. Nomination is not finalized.	In process	Expected to be completed by February 2017.
08	Formation of GRC	December 31, 2016	Nominees are being selected by the Local Government and BWDB. Nomination is not finalized.	In process	Expected to be completed by February 2017.

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S.N.	Activities to be carried out	Planned Completion date as of 30 June 2016	Status as of 30 Sep 2016	Status as of 31 Dec 2016	Remarks
09	Determination of unit rate for structure and trees	November 30, 2016	Awaiting appointment of PAVC committee members	Delayed	Delayed.
10	Updating of Resettlement Action Plan	December 31, 2016	IOL has been updated but RAP is not yet updated as because the original RAP is not yet cleared by WB Can only be done after getting concurrence from WB and the PAVC recommended rates available.	Updated based on updated census and IOL. Associated works for implementation i.e. ID card preparation, photography, etc. are almost completed.	After getting concurrence from WB on first RAP the updated one will be implemented. Expected to start payment by April 2017.
11	Determination of individual entitlement	December 31, 2016	Individual entitlement will be determined after PAVC rate is available.	Yet to start	After concurrence of RAP from the WB and PAVC recommendation about rates, individual entitlements will be determined.

Source: RAP Team, DDCS&PMS Consultants

Table 48: LAP and RAP Plans for Next Two Quarters – Package 03

S.N.	Activities to be carried out	Planned completion date	Status as of 31 Dec 2016	Remarks
01	Collection of information from BWDB local offices on previously acquired land	Nov 30, 2016	Completed, except for Polder 14/1 and 15.	Originally planned to be done by September 30, 2016. Khulna, Bagerhat and Shatkhira BWDB offices
02	Collection of Mouza Maps	Oct 31, 2016	50% for 5 polders. 0% for Polder 14/1 and 15	From the Directorate Land Records and other offices. Five polders expected to be completed by Feb 2017
03	Collection of Khatians	Nov 30, 2016	Not yet started	From Union level Tahsil Offices
04	Preparation of plot schedule	Dec 31, 2016	Started	Depends on alignment handing over by Engineering team
05	Preparation of LAPs for each polder	Dec 31, 2016	In early stages	

Source: RAP Team, DDCS&PMS Consultants

Figure 5: Plan of Action for RAP/LAP Package- 1 (CEIP-1), 2016-2017

LEGEND	Plan 31 Dec 2015	Revised Plan 31 Dec 2016
Beyond Grip of CEIP—1 Consultants		
Within purview of CEIP-1 Consultants		

ID	Task Name	Responsible Agency	2016												2017							
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
1	Updating RAP	CEIP-1 Consultants		■																		
2	Comments from WB, PMU, and CEIP consultants	CEIP-1 Consultants			■																	
3	Updating IOL	CEIP-1 Consultants	■	■	■																	
4	Devise ID for EPs	CEIP-1 Consultants		■	■	■	■	■														
5	FGD formation	CEIP-1 Consultants				■	■	■	■	■	■	■	■	■								
6	FGD meeting held	CEIP-1 Consultants				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
7	Photography of EPs (Squatters)	CEIP-1 Consultants	■	■	■																	
8	Photography of EPs (Titled)	CEIP-1 Consultants				■	■	■	■	■	■	■	■									
9	Joint verification for 35/1	CEIP-1 Consultants	■	■	■																	
11	Preparation of revised LAP and submission	DC, PMU, CEIP-1 Consultants	■	■	■																	
12	LA process	DC, PMU		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
13	Individual Entitlement of EPs Calculated	CEIP-1 Consultants				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
14	Collection of National ID Cards	CEIP-1 Consultants				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

ID	Task Name	Responsible Agency	2016												2017					
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
15	Opening Bank Account	CEIP-1 Consultants																		
16	Collection of Certificates from LGI Officers	CEIP-1 Consultants																		
17	Preparation of ID Cards	CEIP-1 Consultants																		
18	Issuance of ID Cards by XEN	XEN,PMU, CEIP-1																		
19	Laminating of ID cards	CEIP-1 Consultants																		
20	Distribution of ID Cards	CEIP-1 Consultants																		
21	Preparation of EP/EC and indent	CEIP-1 Consultants																		
22	Payment to non-titled EPs and handing over land step by step	PMU, CEIP-1 Consultants																		
23	EPs will move elsewhere from the embankment	PMU,CEIP-1 Consultants																		
24	Titled EPs update	PMU,CEIP-1 Consultants																		
25	Assist to BWDB office	PMU,CEIP-1 Consultants																		
26	PAVC meeting for land	PMU,CEIP-1 Consultants																		
27	PAVC meeting for structures and trees	PMU,CEIP-1 Consultants																		
28	CCL collection from DC office	PMU,CEIP-1 Consultants																		
29	Preparation of CCL statements	PMU, CEIP-1 Consultants																		
30	CCL payment to titled EPs	DC, CEIP-1 Consultants																		
31	Redressal of Grievances	CEIP-1 Consultants																		

Figure 6: Plan of Action for RAP/LAP Package- 2 (CEIP-1), 2016-2017

LEGEND	Plan 31 Dec 2015	Revised Plan 31 Dec 2016
Beyond Grip of CEIP—1 Consultants		
Within purview of CEIP-1 Consultants		

ID	Task Name	Responsible Agency	2016												2017						
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1	Submission of draft RAP	CEIP-1 Consultants																			
2	Comments from WB, PMU, and CEIP consultants	CEIP-1 Consultants																			
3	Updating IOL	CEIP-1 Consultants																			
4	Devise ID for EPs	CEIP-1 Consultants																			
5	FGD formation	CEIP-1 Consultants																			
6	FGD meeting held	CEIP-1 Consultants																			
7	Photography of EPs (Squatters)	CEIP-1 Consultants																			
8	LAP preparation and submission	DC, PMU, CEIP-1 Consultants																			
9	LA process	DC, PMU																			
10	Updating RAP	CEIP-1 Consultants																			
11	Individual Entitlement of EPs Calculated	CEIP-1 Consultants																			
12	Collection of National ID Cards	CEIP-1 Consultants																			
13	Opening Bank Account	CEIP-1 Consultants																			

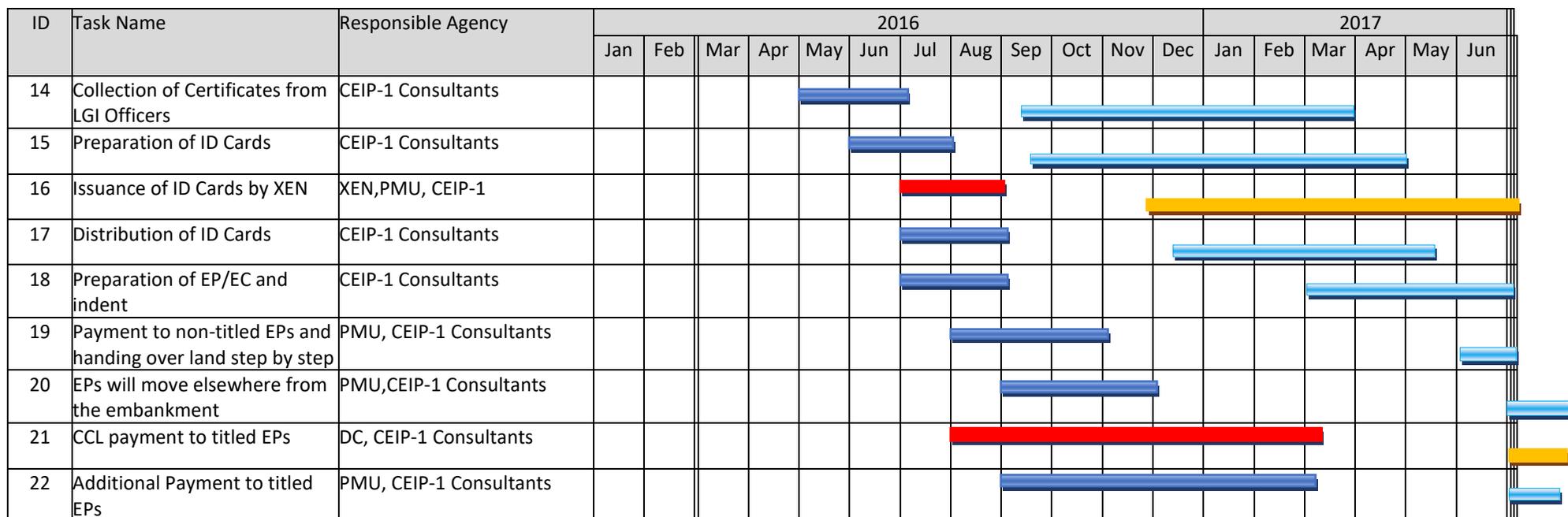
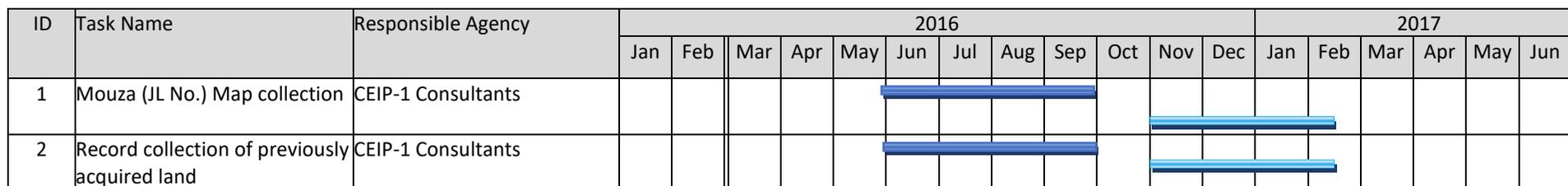


Figure 7: Plan of Action for RAP/LAP Package- 3 (CEIP-1), 2016-2017

LEGEND	Plan 31 Dec 2015	Revised Plan 31 Dec 2016
Beyond Grip of CEIP—1 Consultants		
Within purview of CEIP-1 Consultants		



5.2.3 Planned Outputs of B3: Implementation of EMF and EMPs

The DDCS&PMSC expect to submit final EIA reports reviewed by the IPOE and acceptable to the World Bank for the Package 02 polders by 05 February 2017 at the latest and to complete the EIA report for one polder of Package 03 as a model, Polder 34/3, by March 2017 with the balance of Package 03 EIAs to be submitted to the WB by 30 June 2017.

Table 49: Environmental Safeguards Plans for Next Two Quarters

S.N.	Activities to be carried out	Planned completion date as of 30 June 2016	Status as of 31 Dec 2016	Remarks
01	Prepare and Submit Bi-Annual Environmental Monitoring Report	31 January 2016	Prior report completed on time, 31 July 2016	DDCS&PMSC, M&E and PMU to prepare it collaboratively
02	Completion of EIAs for six polders of Package 02	15 August 2016	Under revision.	WB agreed to revised due date of 07 February 2017; WB will only review after vetting by IPOE.
03	EIAs for 7 polders of Package 03	First drafts by 30 Nov 2016; Final versions by 31 Dec 2016	Being drafted.	One polder (34/3) as model to be submitted by 31 March 2017. All EIAs by 30 June 2017.
04	Environmental Action Plan for Package 01	31 August 2016	A draft was prepared by Contractor and submitted to DDCS&PMSC in July, but it need to be further improved. It has been accepted by the Engineer on 24 October 2016 and PMU has shared it with the WB who have provided comments in November. Revision underway and one EAP will be prepared per polder.	Per WB Aide Memoire of June 2016, due date was 15 July 2016. Now, agreed to submit by 07 February 2017.
05	Environmental Audit	15 February 2017	Not yet due.	

5.3 **Planned Outputs of Component C: Construction Supervision, Project Monitoring and Evaluation and Coastal Zone Monitoring**

5.3.1 Planned Outputs of C1: Detailed Design and Construction Supervision

5.3.1.1 Design Work

While technical surveys for modeling are now reported to be 97% complete and storm surge and drainage modeling each also 97% complete, the detailed design for Package 03 has actually commenced only in July 2016. The DDCS&PMSC projected the detailed design to be 30% complete

by 30 September 2016 (it was 10% complete as of that date) and 50% complete by 31 December 2016, but it stands at 20% complete. It is clear that the tender cannot be issued by the 31 January 2017 as noted in the Aide Memoire of June 2016. The tender may actually be issued in late 2017 as the design due date was revised to 30 June 2017. If the time required for the procurement is kept to a minimum and there are no unexpected obstacles, then the earliest possible date of contract signing might be May 2018. As there are budgetary issues, tendering and implementation of Package 03 may in fact be deferred to Phase 2 of the Project.

Table 50: Design Work – Plans for Next Two Quarters

S.N.	Activities to be carried out	Completion date per DDSC&PMSC	Remarks
1	Modeling for Detailed Design of Package 03	90% by 30 Sep 2016; 100% before 31 Dec 2016	As of 31 December 2016, stands at 97% done. WB Aide Memoire of June 2016 targets 100% by 31 July 2016. Now planned to be done by 10 February 2017.
2	Detailed Design of Package 02	100% by 30 Sep 2016	As of 31 December 2016, stands at 90% done. WB Aide Memoire of June 2016 targets 100% by 31 Aug 2016. Now planned to be done by 10 January 2017.
3	Detailed Design of Package 03	30% by 30 Sep 2016; 50% by 31 Dec 2016	As of 31 December 2016, stands at 20% done. WB Aide Memoire of June 2016 targets 100% by 31 Dec 2016. Now planned to be done by 30 June 2017.
4	Geotechnical Surveys and Investigations for Package 03	To start about 01 January 2017	To be started only after detailed design is done; can be done in sections. WB Aide Memoire of June 2016 targets 100% by 31 Dec 2016. Now planned to be done by 20 March 2017.

5.3.1.2 Preparation of Bidding Documents

Plans for the next two quarters include:

- i. Completing the preparation of Bidding Documents for Package-3 by taking into account the lessons learned from Package-1 and Package-2;
- ii. Preparing the Bill of Quantity (BOQ) when the detailed design of Package-3 is completed;
- iii. Completing the update of Technical Specification for the Bidding Documents of Package-3 based on lessons learned from the bidding documents of Package-2.

The DDSC&PMSC progress report Gantt Chart shows finalization and approval of the Bidding Document for Package 3 for 13 February 2017 and award of contract for 6 October 2017. The chart is expected to be updated, especially after the MTR Mission planned for January 2017.

5.3.1.3 Construction Supervision

Construction activity has picked up after the monsoon season and the DDSC&PMS Consultants have committed to continue prodding the Contractor to expedite the work.

5.3.2 Planned Outputs of C2: Third Party M&E Consultants

Key activities planned for next two quarters are:

1. Prepare Briefing Document for MTR Mission in January 2017 and participate in MTR
2. Continue development of the beta version of the web-based PMIS
3. Draft and Final Baseline Survey Report
4. Baseline Survey Results Workshop
5. Commence Training Needs Assessment of BWDB in M&E
6. Review EIA, RAP documents (ongoing, as they are provided)
7. Undertake Environmental Audit
8. Assist in preparation of Bi-Annual Environmental Monitoring Report (January 2017)

5.3.3 Planned Outputs of C3: Long-Term Monitoring, Research and Analysis of Bangladesh Coastal Zone

Not yet mobilized.

5.4 Planned Outputs of Component D: Project Management, Technical Assistance, Training and Strategic Studies

5.4.1 Planned Outputs of D1: Project Management Support and Audits

5.4.1.1 Project Institutional and Implementation Arrangements

During the next two quarters, the following major activities are planned:

- Afforestation/WMO NGO will be recruited
- Additional members of IPoE and PMU team (including those for field office) will be recruited and brought on board
- PMU Staff recruitment will be completed for Communications Officer, Financial Management Specialist, Environmental Specialist and Social Specialist/Economist
- Mid-Term Review to be conducted in January 2017.

5.4.1.2 Financial Management

During the next two quarters, the following major activities are planned:

- IUFR to be submitted each quarter, with 4th Quarter IUFR due by 15 August 2016, 1st Quarter IUFR due by 15 November 2016 yet to be submitted and 2nd Quarter FY 2016/17 IUFR due by 15 February 2017.
- BWDB Audit Wing audit report will be shared with the World Bank.
- Project Audit Committee will be discussed and decision made on its formation.

5.4.2 Planned Outputs of D2: Technical Assistance and Training

Training and technical assistance in FIDIC and contract management may be provided for PMU.

5.4.3 Planned Outputs of D3: Strategic Studies and Future Project Preparation

Not yet commenced.

5.5 Planned Outputs of Component E: Contingent Emergency Response

Component E has not been triggered.

6. CONTRACTUAL, LEGAL AND ADMINISTRATIVE MATTERS

6.1 Works Contract W-01

6.1.1 Performance Bonds and Insurance

The Contractor has submitted the required 10% Performance Bond. Submission of evidence of insurance of the equipment is still awaited from the Contractor.

6.1.2 Invoices and Payments

The Contractor submitted the first Interim Payment Statement No. 3 for works carried out under BOQ Bill No. 1 on 03 June 2016 covering works done through the end of May 2016. The Engineer issued the corresponding Interim Payment Certificate (IPC) No. 3 on 02 August 2016 after getting additional supporting documents. The Contractor confirmed that payment has been received.

On 4 September 2016, the DDCS&PMS Consultant submitted the IPC No 4 for the Package 01 Contractor to PMU, and on 4 October 2016, the supporting documents to this IPC.

6.1.3 Variation Orders

No Variation Orders have been issued at this time.

6.2 Works Contract W-02

Not yet commenced.

6.3 Works Contract W-03

Not yet commenced.

7. ISSUES AND RECOMMENDATIONS

New Issues

Seven issues have emerged during the quarter. The first of these seven issues should be considered a red flag issue given it is urgent and presents a high risk to the project.

Issue QPR5-1: Specifications Need Heightened Attention - In Particular Specifications 9.1 to 9.5 Dewatering of Subsurface and Surface Water

The Contractor of Works Package 01 has lost about 3 to 4 weeks experimenting with dewatering at Polder 32 / DS 1 (Drainage Sluice). Similar problems occurred at other Drainage Structure locations. The geo-technical conditions found in the Polders for sand pile foundations are complex. The alluvial deposits along the rivers vary within short distances. Underground sand layers are interspersed with clay and silt layers of much lower permeability. Connections to the adjacent river may exist. Sand pile foundations have the inherent potential problem of connecting groundwater layers to the surface. This may pose particular difficulties as excessive moisture/water disturbs consolidated compaction and strength of soils and concreting foundation works cannot proceed. Thus at the location of DS 1, groundwater coming up through a first sand pile flooded the excavated foundation bottom.

A dewatering plan need to be based on know-how of the local conditions. Properly executed pumping tests and relevant geo-technical survey would provide such know-how which is needed in a timely fashion. The contractual specifications are quite appropriate and may need to be revisited.

Construction periods are limited by the monsoon beginning in April/May and cropping season ending in December. This provides for a potential construction period of about 4 to 6 months. The approved work program shows a usual construction period for drainage sluices of 3 months. Specifications require a dewatering plan. The contractor is to submit such to the Engineer for approval. The approved work program considers a usual period of 3 to 4 weeks for preparation (cofferdam, excavation, dewatering). Thus, delay of dewatering following inappropriate analysis and planning could affect overall progress of works. There is a risk of works being affected negatively by an early onset of monsoon.

Recommendation: The DDCS&PMSC may need to provide added attention and assistance to the Contractor to ensure compliance with specifications and especially concerning Specifications 9.1 to 9.5 Dewatering of Subsurface and Surface Water.

Issue QPR5-2: Better Planning to be Achieved in Work Program for Package 02

As per GCC 8.3 Work Program "The Contractor shall submit a detailed time program to the Engineer within 28 days after receiving the notice..." Next the Engineer is to provide comments or accept the work program within 21 days. Under Works Package 01 this process was delayed and took six months until on 24 August 2016 the Contractor's work program was accepted. Works under Package 02 are similar to those under Package 01, so lessons can be drawn. The equipment, manpower and time requirements of the respective works are better understood. Therefore, it has become easier to prepare more detailed work breakdown structures and to plan better and earlier. Better planning could be based on modules of micro-level work packages or aggregated BoQ items. The DDCS&PMSC working with the Contractor should be able to approve the 8.3 work program within a much shorter period.

Recommendation:

The DDSC&PMSC is to provide the Contractor with advice on time and equipment requirements of the aggregated work items. This information should form the basis for developing work break down structure and modular schedules for each of the BoQ items which could be aggregated as per the experiences under Works Package 01. Subsequently the Contractor is to subdivide works per polder into sections and develop work programs for each section. These sectional work programs would be aggregated to a realistic and final GCC 8.3 Programme. Next the work program should incorporate resettlement requirements and associated temporary hindrances. The work program should be prioritized accordingly and incorporating the schedules and risks of the resettlement program.

Issue QPR5-3: Embankment Seepage May Be Exacerbated by Adjacent Fish Ponds

Experience under Works Package 01 showed that emergency works requirements were often correlated with fishponds or prawn ponds encroaching up to the toe of the country side of the dykes causing seepage through the dykes and failure of the river side slope. However, the approach to embankment repairs follows standards which focus the repair works on the river side. In instances, expensive embankment protection works were seen failing as the underlying cause of cross-seepage from the adjacent pond on the country side was not addressed.

Recommendation:

The design of emergency repair works should review local conditions also on the country side of the dyke. The design should consider appropriate measures on the country side of the dyke if a pond has encroached near to the country side toe. This may include compaction and earthworks on the country side slope. In this way excessive seepage through the dyke is to be prevented.

Issue QPR5-4: Review and Timeliness of Afforestation

A cyclone shelter has been located near the existing embankment at about km 17.250 of Polder 33. This is at the right bank side of the Bhola River. The embankment at this location had to be protected under emergency works, but remains endangered. Additional works are required. The contract design includes the construction of a slope and bank protection section of 500 m at this location. These hard river bank protection works could impact on river flow patterns in the medium to long term.

Looking upstream on from the Cyclone Shelter at a distance of some 200 m to 500 m a curve of the Bhola River (earlier in the Contractual Drawings this river is called Sutarkhali River) is observed with large sediment deposits on the river right bank side and mangrove forest on the left river bank side. Further inward to the country side at this location a retired embankment is to be constructed from km 17.09 to km 17.58. This retired embankment is meant to safeguard against river encroachment across the sediment deposits, apparently based on earlier relevant experience of channel changes of the Bhola River. The section at about km 17.00 (as presented on map and about km 20 + 250 of the design drawings) appears suited and needing mangrove afforestation for added protection. Afforestation is included under the project. However, it has not commenced because the NGO who would be responsible for implementing the component has not yet been contracted.

Recommendation:

The DDSC&PMSC should review the afforestation needs. The NGO responsible for the afforestation effort under the project should be contracted as soon as possible.

Issue QPR5-5: Need for Project Implementation Manual / Updating and Completion of Method Statements

Review of the contractual drawings under Works Package 01 for example of Polder 33 and comparison with the Map Showing Proposed Interventions shows that total embankment length

differs being 52 km in the contractual drawing and 49.428 km. This difference of a total of about 2.5 km also results in differing chainages all along the embankment. Thus cross-sections shown in the contract drawing cannot be accurately located in the field. Also, the contractual drawings were prepared in 2012 and changes are to be expected. As such the contract drawings provide a poor or no basis for establishing actual works quantities for billing purposes.

The contractor has provided a general description of methods on 22 April, 2016. The contractor provides as quantity of earth for the embankment of 1,250,789 cum for Polder 32, of 9,978,825 cum for Polder 33, of 2,443,220 for Polder 35/1 and of 1,185,884 for Polder 35/3 for a contract total of 5,877,718 com. These figures are the same as the estimates of September 2013 and do not reflect any resurvey or update. The method statement lists technical work steps but does not include aspects of measurements as basis for final billing.

Further, method statements on dewatering, sand piling, sheet piling and other works have not yet been completed.

Recommendation:

The DDCS&PMSC should work with the Contractor to finalize method statements for the different works required under Works Package 01. These statements should include methods of measurements as basis for billing. It should identify work steps in a work break down structure. Further responsibilities of personnel should be identified. Overall method statements should be consolidated in a Contract specific (or overall) Project Implementation Manual.

Issue QPR5-6: Micro-level Planning / Monitoring Requires Strengthening

The Contractor / DDCS&PMSC have developed an MS Project file reflecting the proposed work program (GCC 8.3). The DDCS&PMSC approved this on 24 August 2016. It also was observed that approved plans became partially unrealistic quite soon after approval. The contractor also subdivided works within each Polder into several work sections / stretches following the advice of the M&E team. This approach is very reasonable as it would allow for a micro level planning approach and allows linking progress planning to the ongoing resettlement effort and consideration of remaining hindrances. Such approach could help minimize delays and claims. Over time micro-level planning in line with detailed work breakdown structures (WBS) would improve as experience would enhance knowledge of time requirements etc. The MDSP ICT Monitoring Tool, as developed by a World Bank Initiative implemented by LGED demonstrates the possibilities.

Recommendation: Strengthen the Micro Level Monitoring and planning capacity. Evaluate if modern monitoring tools such as the MDSP ICT could be adapted to the CEIP.

Issue QPR5-7: Early Prioritization of Resettlement Concerns Is Needed

Specific cases of land acquisition proved to take more time than others. These experiences should be reviewed and the level of effort should be increased to address such issues early.

Recommendation: Review the time and effort for processing particular resettlement concerns and prioritize those for early attention which proved most difficult to resolve in the past.

Red Flag Issues Unresolved from Prior Quarters

The issues bulleted here are the most critical among the issues remaining unresolved. Some elaboration is provided in the table on the pages that follow, with fuller discussion in Annex 9 – *Issues from Prior Quarters*.

- **R** Issue QPR4-3: Relocation Planning and Assistance to be Improved. The PRAC has been formed but is not yet functioning while about 20% of Package 01 EPs have already vacated the ROW.
- **R** Issue QPR4-4: Livelihood Restoration Program Needs Attention. No training needs assessment has been done and no training delivered to date.
- **R** Issue QPR3-2: Equipment Mobilized on Contract W-01 is Inadequate. The equipment mobilized is at 58% of the level estimated to be required in August 2016, but the Contractor is far behind schedule so the equipment required is even greater now. The limited number of Sand Piling Equipment is of particular concern. One Sluice gate, for example DS 13 of Polder 33 will require 623 sand piles. The Contractor has started works on 13 Sluice Gates, and more than 8000 sand piles will have to be completed in the remaining dry season working days. The Consultant reported that the Contractor had mobilized 5 numbers of sand piling machines with capacity of 100 sand piles per day; and these had already arrived at the Mongla port. However, the specifications of this equipment were found to be inappropriate as the machines would cause excessive vibrations. Thus the contractor will have to rely on locally available semi-manual sand piling rigs with a limited capacity of some 6 sand piles per day.
- **R** Issue QPR2-2: DPP (GoB Authorizing Document) and Loan Agreement Amount Requires Amendment to Accommodate Cost Increases in estimated cost of works, land acquisition and consulting services (and change in the USD/SDR Exchange Rate). This process takes as long as one year or more.
- **R** Issue QPR2-10: Capacity Building and Independent Advice Needed for PMU/BWDB in FIDIC and Contract/Claims Management
- **R** Issue QPR1-4: LAP and RAP and the compensation payments must be expedited so that work sites can be handed over to the Contractor
- **R** Issue QPR1-5: Recruitment of NGOs and Consultants: According to the policy of the GoB, work on WMO formation should begin prior to commencement of civil works so that users are consulted during implementation of the project and to ensure ownership and commitment to effective O&M.

All of these “red flag” issues are both urgent and important and they must be pursued in parallel. The resettlement and land acquisition processes are particularly worrisome, given the length of time it is taking on Package 01 so far. While the first RAP was prepared in 2015, it took almost one year to make the first payment to non-titled EPs and the land acquisition process has not yet begun due to delays in land valuation. Currently, it is projected that payments to the last of the non-titled EPs in Package 01 will likely be completed only in April 2017 and then the EPs are given 30 days to move. Compensation to most titled EPs for their land will stretch beyond that. Of course, the Package W-01 Contractor has unencumbered stretches available and can work around the stretches that EPs are to vacate.

Status of All Issues Raised in Prior Quarters

The issues from the prior Quarterly Progress Reports are summarized below along with the status of recommendations. The full discussion of these issues is presented in Annex 9.

Issues	Recommendation in brief	Status	Follow-up Actions
from QPR4			
Issue QPR4-1: Land Acquisition Cost Has Increased Dramatically	World Bank and GoB to consider and formally agree on the budget re-appropriation and financing to meet the increased land acquisition costs.	NOT RESOLVED The World Bank and GoB will discuss possible solutions when about 40% disbursement is reached.	Re-open discussion in 2018.
Issue QPR4-2: Delay in Signing of Contract for Works Package 02	World Bank and GoB agree on way forward, given shortfall in land acquisition budget.	RESOLVED Notice of Award issued and contract signing will proceed with a caveat that full works on two polders will depend on obtaining LA financing.	
Issue QPR4-3: Relocation Planning and Assistance to be Improved Flagged RED	<p>5. The DDSC&PMS Consultants (through their RAP team) should develop a tally of each and every PAH as to where they are moving, whether temporary or permanent, etc. and verify this information.</p> <p>6. PRAC should begin to function immediately and be given an orientation by DDSC&PMS Consultants and PMU's Senior Social Specialist as to their mandate and operation guidelines and some logistic support provided so they can execute their responsibilities. Make sure that the PRAC for Package 02 is operational before the resettlement process advances to relocation stage.</p> <p>7. DDSC&PMS Consultant and the PRACs should monitor and report any cases where squatters are having difficulty identifying a place to relocate.</p> <p>8. EPs to be informed in advance of the total estimated amount of compensation they are to receive under the entitlement framework specified by the RAP and not left to guess how much they will get until the</p>	<p>5. RESOLVED</p> <p>6. NOT RESOLVED</p> <p>7. IN PROCESS</p> <p>8. AGREED, BUT NOT YET IMPLEMENTED.</p>	<p>5. To be followed going forward</p> <p>6. PRACs need to convene and some modest honorarium is required.</p> <p>7. To be followed going forward</p> <p>8. To be implemented by RAP Consultants and/or PMU and reported.</p>

Issues	Recommendation in brief	Status	Follow-up Actions
	day they receive their check. Such advance information would allow the EPs to know how much they have to work with when looking for a new place to live.		
Issue QPR4-4: Livelihood Restoration Program Needs Attention Flagged RED	There is no plan for the livelihood restoration program. The DDSCS&PMSC should develop a training program and oversee its implementation. A needs assessment must be conducted of each PAH, taking into account their skills, resources, risk tolerance, desires and business/livelihood opportunities at the sites/locations where they are relocating. Then a relevant training program (having relevant tailored content, sequencing of a series of topics, and refresher trainings) must be developed and delivered with outcome-based targets. The training should commence prior to relocation and continue afterwards.	NOT RESOLVED	DDCS&PMSC to report on the actions it is taking.
Issue QPR4-5: PMU Team Needs Assistance	All the required PMU staff should be recruited.	IN PROCESS	Recruitment should be expedited.
Issue QPR4-6: Environmental Monitoring Capability Must be Strengthened Further	<p>3. Environmental monitoring and mitigation training must involve a series of sessions. The training program must be developed and implemented without delay since the construction season has commenced in late September.</p> <p>4. As already recommended by the DDSCS&PMS Consultants, the Contractor should appoint at least one Environmental Officer and polder-wise environmental monitors should be in place that carry no other responsibility.</p>	<p>3. PARTIALLY RESOLVED The training program has not been laid out, though training is taking place.</p> <p>4. PARTIALLY RESOLVED One Environmental Officer has been appointed, but the polder-wise environmental staff carry additional (non-environmental) duties.</p>	<p>Training program to be outlined.</p> <p>Polder-level environmental staff to be monitored as to effectiveness.</p>
Issue QPR4-7:	Since project preparation and	NOT YET STARTED	Follow-up during

Issues	Recommendation in brief	Status	Follow-up Actions
Preparation of CEIP-Phase 2 Should Commence Soon Given the Serious Need	appraisal takes a substantial amount of time and the need for embankment improvement in the coastal polders is apparent, it is recommended that the World Bank and GoB begin planning for the preparation of CEIP-2 as soon as practically possible.		future supervision missions.
from QPR3			
Issue QPR3-1: Security is a Growing Concern	The security situation in Bangladesh has not directly affected the works or services as of this time, but judgment and caution must be exercised for any travel within the country. Signage at campsites may be made inconspicuous. Consultants and Contractors may wish to develop and put in place a security plan for their Dhaka staff and field staff.	RESOLVED for now, but CAUTION required. The Contractor has actually suggested they wish to avoid erecting certain signboards at campsites so that the presence of foreigners is not so conspicuous. PD has written to the police in the project area and they have standing orders to accompany staff to the field when requested. The building in Dhaka where the DDCS&PMSC hold office has been guarded by armed police since August 2016.	Security risks should continue to be monitored as they could constrain field activities of international staff. Police guards at the Dhaka office of the Consultants should be maintained through 2017.
Issue QPR3-2: Equipment Mobilized on Contract W-01 is Inadequate Flagged RED	Given that the monsoon season precludes earthwork, the Contractor should use this season to fully equip its operation so that work can begin without delay and in earnest in October.	PARTIALLY RESOLVED. With the delivery of additional pieces of equipment, the equipment mobilized by the Contractor has reached 58% of the required equipment strength as per the Engineer's estimate <u>early in 2016</u> . The number of excavators is now improved with 41 units in country of the 49 estimated to be required. An additional 13 bulldozers, 57 dump trucks and 2 more CC block manufacturing machines were also delivered. <u>This will be helpful, but does not fully close the gap.</u> Sand pile driving equipment (4 of 28), sheet pile driving (0 of 7)	Additional equipment needs should be identified and equipment procured or rented immediately.

Issues	Recommendation in brief	Status	Follow-up Actions
		and vessels (6 of 22) and the overall level of equipment continue to be seriously inadequate <u>especially considering the need for catching up with the approved Work Program.</u>	
from QPR2			
Issue QPR2-1: Overall Reporting System Needs Attention and Improvement	Reports should be submitted on time by all consultants, otherwise this consolidated report will be delayed or incomplete. It is essential that reports segregate current period accomplishments and activities from cumulative numbers and compare monthly/quarterly progress against monthly/quarterly plans. Explanations of deviations from plan should be provided.	PARTIALLY RESOLVED. The M&E Consultants and PMU have provided guidance on the content and presentation of reports and continue to work with the DDCS &PMS Consultants in a collegial manner. Report content continues to improve. Reports are now on time.	DDCS &PMS Consultant reports need further improvement in segregating activities and accomplishments by quarter, showing plans, and sometimes in being up to date.
Issue QPR2-2: DPP (GoB Authorizing Document) and Loan Agreement Amount Requires Amendment Flagged RED	The construction works are now estimated to cost more than planned due to a number of reasons. Also the USD/SDR exchange rate has changed resulting in a budget shortfall. A DPP revision should be prepared without delay capturing whatever changes are required since package 03 may not be able to be tendered otherwise. The PMU should continue to consult the World Bank. The DDCS&PMSC Consultants should provide an estimate of likely works package 03 costs.	NOT RESOLVED. A rough estimate of Package 03 works costs has been provided to the PMU. Land Acquisition Costs have also increased and DDCS&PMSC have provided an outline of alternative options including reduction in works by eliminating two polders from the scope.	Any other required changes for works and consultancy services contracts should be captured and the revised DPP drafted so that key changes can be approved before budget constraints delay or hamper project implementation.
Issue QPR2-3: JVS on Polder 35/1 and Land Valuation in Package 01 Appears Stalled Flagged RED	BWDB may request the DC to give priority to completing (i) the compensation rates for non-titled PAPs and thus enable updating of the RAP, payment calculations and issuance of checks by the PD, and (ii) the JVS of Polder 35/1.	RESOLVED. JVS for remaining section of polder 35/1 completed in September 2016.	
Issue QPR2-4:	Each survey or technical report needs submission through a	PARTIALLY RESOLVED. Improvement is noted as	DDCS&PMSC will consistently follow

Issues	Recommendation in brief	Status	Follow-up Actions
There may not be a consistently systematic approach to document processing and control	formal process. Copy should be provided to IPOE and the M&E Consultant. A table of reports and review status should be provided by the DDSC&PMS Consultants at the end of every quarter.	technical reports are generally being submitted to PMU and M&E Consultant. A table of reports is being provided by DDSC&PMSC.	the recommendation.
Issue QPR2-5: Measure of physical progress needs to be developed	Currently, the S-curve presented in the DDSC&PMSC reports shows cumulative physical progress (actual versus planned) only in financial terms. De facto, this will always show physical progress ahead of financial disbursement and will not provide any alert as to potential cost overrun. A weighting of physical progress is required, building up from the BOQ elements and not directly related to the cost of these items. The DDSC&PMS Consultants to propose an approach and meet with PMU and M&E Consultants to discuss and finalize.	NOT RESOLVED. DDSC&PMS Consultant has prepared and shared one approach for assigning weights at the highest level (14 BOQ items). This has been discussed briefly with M&E Consultants. The Consultants have also adopted a percent progress formula for embankment works that is based appropriately on cum of earthwork. This is a good step.	DDSC&PMSC to propose methodology and organize a meeting with PMU, IPOE and M&E to finalize the weighting of physical elements of the works.
Issue QPR2-6: Environmental Concerns may need attention – mitigation for fish migration	DDSC&PMSC to study the question and inform their plans for satisfying the requirement for free passage of migrating fishes from three perspectives – 1) physical design; 2) construction work methods; 3) hydraulic structure operation guidelines. In addition, the question must be answered as to who (what agency) will practically ensure (and how) that fish spawning needs are looked after in the operational planning and decision-making with respect to water control	PARTIALLY RESOLVED. M&E Consultants met with the Fisheries Expert of DDSC&PMSC to elaborate the concern and provide guidance.	DDSC&PMSC to explain options and make their recommendations to PMU.

Issues	Recommendation in brief	Status	Follow-up Actions
	structure operation.		
Issue QPR2-7: Periodic Environmental Reports Required	DACS&PMS Consultants to prepare Environmental Compliance Monitoring Reports and quarterly, semi-annual and annual environmental reports. PMU to provide guidance on the content and format of these reports.	PARTIALLY RESOLVED. PMU, M&E Consultants and World Bank have provided some guidance on the content of various environmental reports. 1st and 2nd Bi-annual Environmental Monitoring Report has been submitted by the DACS&PMS with assistance of M&E Consultants and PMU. Additional improvements will be needed.	Future periodic reports on environment to be prepared by DACS&PMS. PMU's Senior Environmental Specialist and M&E Consultants will support as appropriate.
Issue QPR2-8: Recently Procured Project Vehicles Have Not Been Assigned to the Field	It is observed that none of the 11 project vehicles recently procured by PMU and delivered to the project have been allocated to the field. While currently the vehicles provided by the Contractor for PMU field staff appear to be adequate, the works have barely gotten underway. Procurement of a few more vehicles is planned and it is recommended these vehicles be made available to the implementation staff in the field offices as the field work will soon intensify.	PARTIALLY RESOLVED. PMU in the field has been provided with 2 vehicles by the Contractor for Package 01, so there is sufficient transport available for the time being.	Vehicles purchased in the future may be allocated to the field as packages 2 and 3 will result in more transport demand due to intensified field work.
Issue QPR2-9: Construction Supervision Systems to be Strengthened	Given the transition from Survey and Design Phase to Construction Supervision Phase, Construction Supervision Management Systems need to be put into place (or strengthened), including Quality Assurance System, Contract Supervision and Management, Daily Site Reporting Formats, Safety Manual, Safety training, Registration Formats for all Workers and ID system, Billing	PARTIALLY RESOLVED. DACS&PMS Consultants continue to elaborate and improve their systems.	DACS&PMS Consultants will report on the status of their systems by system element in their monthly and quarterly reports.

Issues	Recommendation in brief	Status	Follow-up Actions
	<p>Formats and Procedures, Variation Management and Procedures, and training of DDSC& PMSC site supervisors and Contractor's Site Construction Managers, etc.</p>		
<p>Issue QPR2-10: Capacity Building and Independent Advice Needed for PMU/BWDB in FIDIC and Contract/Claims Management Flagged RED</p>	<p>The PMU staff, and BWDB more generally, are not conversant with FIDIC Conditions of Contract, Contract Management and Claims Avoidance/ Management. While Consultants have been hired to serve as Engineer, the Owner needs to understand the roles, authorities and responsibilities of each party in order to effectively manage the Project. Training may be provided and would be of great use given the upcoming award of two additional large construction contracts under CEIP-1. Currently, the PMU has no in-house expertise for advice on contract issues.</p> <p>With respect to advice on contract issues, the PMU should recruit an independent specialist for this purpose.</p>	<p>NOT RESOLVED.</p> <p>The World Bank, during its June 2016 mission, signaled its willingness to consider whatever support PMU might need. PD has started a discussion with senior BWDB officials concerning PMU support requirements.</p> <p>The WB provided an experience-sharing opportunity in the first week of October for the PD CEIP-1 with other PDs.</p> <p>The DDSC&PMSC who also has the responsibility to provide project management support to the Client may be tapped for some capacity building on-the-job. The M&E Consultants could provide such expertise, with an amendment to the ToR and resources.</p>	<p>PD to decide on appropriate option to pursue in consultation with the BWDB, Ministry and then World Bank.</p>
from QPR1			
<p>Issue QPR1-1: Physical Progress on Works Package W-01 is in danger of being delayed.</p>	<p>i. Contractor to hire equipment until their own equipment is available.</p> <p>ii. Administration of the works would best be managed polder-wise, meaning that a deputy PM or someone in authority should be posted at each polder to permit simultaneous works in four polders.</p>	<p>i. PARTIALLY RESOLVED</p> <p>ii. RESOLVED</p> <p>i. The Contractor complied after delay and only after replacement of the PM. Contractor had rented in some equipment in Q3 and taken delivery of substantial equipment since, but still not adequate in view of DDSC&PMS Consultant.</p>	<p>DDSC&PMSC should continue to review the adequacy of equipment available at site. The issue of early start-up with rented equipment should be taken up during the Pre-contract meeting for Works Package 2 & 3.</p>

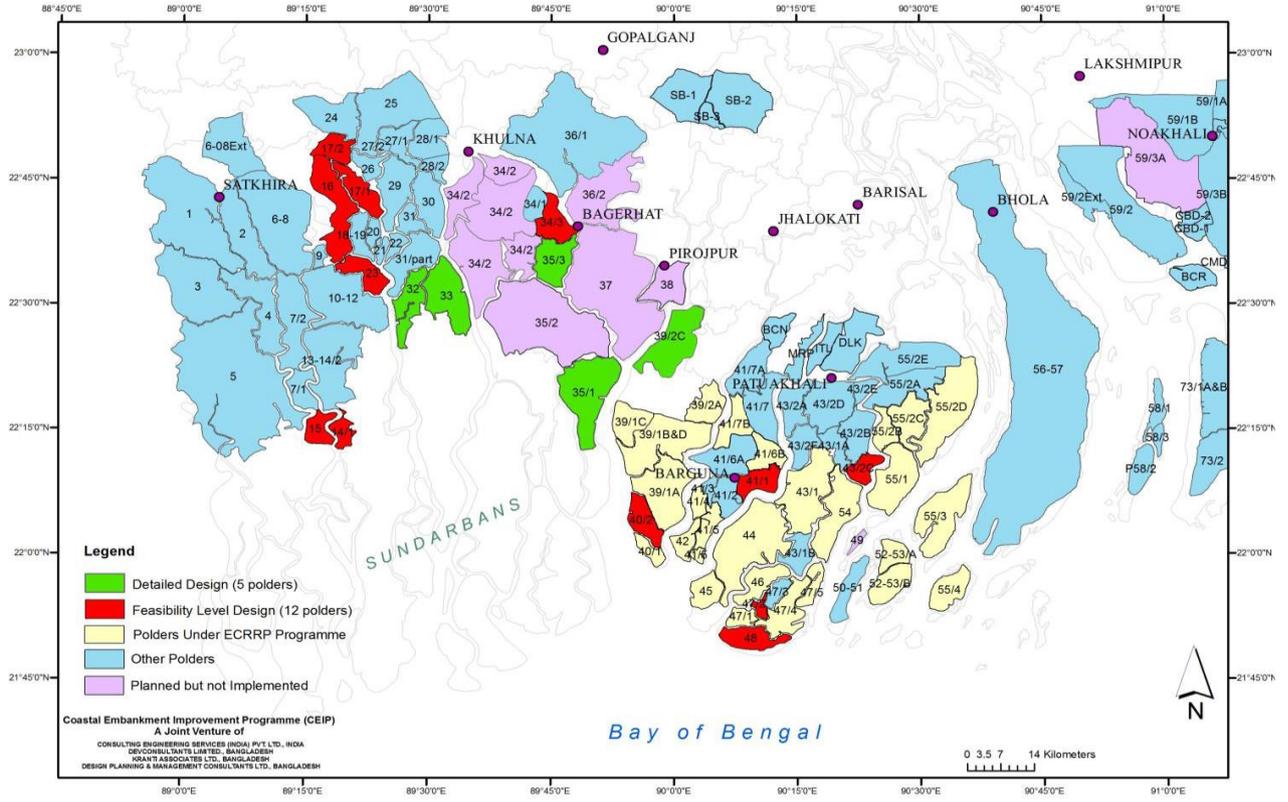
Issues	Recommendation in brief	Status	Follow-up Actions
		Permanent works progress very limited. ii. Complied	To be followed through for the next two works packages.
Issue QPR1-2: Contractor for Works Package W-01 has a limited ability to communicate due to language barrier.	i. Contractor should bring in additional bilingual (Chinese-English) staff or make interpreters available. ii. The Contractor may also bring in a qualified Bengali sub-contractor to assist not only with works, but with communication and cultural understanding.	i. RESOLVED ii. RESOLVED i. Contractor has appointed interpreters to serve on each of the four polders. ii. Contractor has hired a Bangladeshi sub-contractor.	Consider requiring communication as an explicit part of bid requirement for Package 03.
Issue QPR1-3: Procurement of Works Contractors by ICB has failed to attract broad international interest	i. For future packages, the Pre-Qualification criteria should be reviewed and possibly adjusted (for example, to better specify the meaning of experience in similar projects to include physical, logistic and complexity aspects relevant to the Bangladesh coastal zone) and past performance references should be checked. ii. Exceptionally low priced bids should be eliminated from consideration. iii. Consider the option of issuing bid packages of 2-3 polders each for the remaining works.	i. RESOLVED. ii. NOT RESOLVED. iii. RESOLVED. i. DDCS&PMSC have agreed to review for Package 3 works. ii. Pending, but may not be possible under procurement rules. iii. Discussed with World Bank and declined.	Needs to be reviewed for Package 3 works.
Issue QPR1-4: LAP and RAP and the compensation payments must be expedited so that work sites can be handed over to the Contractor Flagged RED	i. Appointment of PAVC members must be completed quickly. ii. PAVC must finalize the compensation rates for various types of losses without delay. iii. Handing over of the sites to the contractor should be done in sections as areas become fully unencumbered. The DDCS&PMSC/RAP	i. RESOLVED FOR PKG 01 ii. RESOLVED FOR PKG 01 iii. PARTIALLY RESOLVED i. PAVC appointed for Package 01 in December 2015. ii. Rates for various assets set by PAVC. Land valuations are finally done for Package 01. iii. M&E Consultant has requested the DDCS&PMSC	PAVC members for Package 02 may be appointed without delay. System for tracking unencumbered sections by way of a calendar yet to be developed.

Issues	Recommendation in brief	Status	Follow-up Actions
	Consultants will have to maintain a calendar projecting when certain sections of the embankments will be free of hindrances to allow the Contractor to plan their works.	for a detailed risk assessment approach. Accordingly, the Consultant has prepared a section-wise approach to construction planning. The DDCS&PMSC / KMC are to provide LA requirement details for each of the 11 construction BoQ works items separately so as to better assess risks.	
Issue QPR1-5: Recruitment of NGOs and Additional PMU Staff is to be phased in during the next two quarters Flagged RED	PMU to develop a time-bound plan for procurement/ recruitment of these consultants and services – e.g., IPOE, Afforestation/WMO NGO, Specialists for PMU field offices, FIDIC/Contracts Specialist, etc.	PARTIALLY RESOLVED Recruitment of some consultants programmed by PMU; Recruitment and procurement process is taking much time.	Balance of recruitment plan to be developed based on need by PMU in collaboration with M&E Consultants and DDCS&PMSC. TORs to be reviewed and updated.
Issue QPR1-6: The M&E Consultants will be required to expend additional resources given the need for multiple baselines and large sample required	The M&E Consultants to prepare a detailed justification for the additional resources required and submit to BWDB and World Bank for approval.	NOT RESOLVED A preliminary draft justification has been shared with PMU.	M&E Consultants to discuss the requirements with PMU.
Issue QPR1-7: Reporting Formats of implementing partners do not consistently provide needed information	M&E Consultant will continue to work with the other consultants to develop a clear format for the reporting of all project inputs, processes and outputs.	PARTIALLY RESOLVED Being done continually. This issue has been repeated in QPR2 with some elaboration. DDCS&PMSC have substantially improved their monthly progress report starting August 2016.	Follow-up to be continued. DDCS&PMSC are responsive to the advice and proposals regarding reporting requirements.

ANNEXES

Annex 1	Map of the Project Area
Annex 2	Basic Characteristics of the Project Area
Annex 3	Overview of Personnel Working under the Project
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Annex 6	Estimated Schedule for Vacating Settlements for Works Package 1
Annex 7	GAAP Report
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Annex 1: Map of the Project Area



Annex 2: Basic Characteristics of the Project Polders as per PAD

Sl No.	Polder No./ Polder Name	Location Thana	District	Gross Protected Area (HA)	Cultivable area (ha)	Existing Project Feature				Av. Existing level of Embankment (m PWD)	Polder Population
						Embkt. (km)	Regulator (No)	Flushing Inlet (No)	Drainage Channel (km)		
1	14/1	Koyara	Khulna	2,933	2,350	30.50	4	-	30	3.75	20,578
2	15	Shymnagar	Satkhira	3,441	2,925	30.78	5	-	40	4.00	31,788
3	16	Paikgacha, Tala, Dumuria	Satkhira, Khulna	10,445	8,102	45.00	12	31	21	3.00	118,616
4	17/1	Dumuria	Khulna	5,020	4,000	38.50	11	0	43	3.50	23,919
5	17/2	Dumuria	Khulna	3,400	2,700	11.00	6	0	21	3.50	34,070
6	23	Paikgacha	Khulna	5,910	4,872	37.00	11	39	36	3.30	23,888
7	32	Dacope	Khulna	8,097	6,500	49.50	16	35	45	3.75	38,397
8	33	Dacope	Khulna	8,600	7,600	52.50	13	19	100	3.80	62,305
9	34/3	Bagerhat	Bagerhat	3,656	2,930	16.75	3	6	35	2.80	65,399
10	35/1	Sharankhola, Morelgonj	Bagerhat	13,058	10,700	62.50	14	25	56	4.35	99,182
11	35/3	Bagerhat Sadar, Rampal	Bagerhat	6,790	5,090	40.05	4	11	75	2.70	31,075
12	39/2C	Matbana, Bhandaria	Pirojpur	10,748	8,500	59.25	-	4	57	2.50	84,853
13	40/2	Pathargatha	Barguna	4,453	3,300	35.58	12	21	50	4.30	41,317
14	41/1	Barguna Sadar	Barguna	4,048	3,440	33.81	6	28	84	4.00	41,051
15	43/2C	Galachipa	Patuakhali	2,753	2,000	25.70	6	16	26	4.00	14,851
16	47/2	Kalapara	Patuakhali	2,065	1,850	17.55	3	6	30	4.25	5,411
17	48	Kalapara	Patuakhali	5,400	3,715	37.88	8	3	45	5.30	26,260
				100,817	80,574	623.85	134	244	794		762,960

Source: Project Appraisal Document 2013

Annex 3: Overview of Personnel Working under the Project

PMU Office Mobilization & Contact Numbers
PABX-9899320, 9899373
Fax: +88-02-9899325

PMU Staff

Sl No.	Designation	Name of Persons	Mobile Number	First Mobilization Date	Status
1	Project Director	Mr. Md. Delwar Hossain	01745-650854	09 Feb 16	
	Project Director (former)	Mr. Md. Sarafat Hossain Khan	01715-038519	Nov 2013	Promoted
2	Deputy Project Director	Vacant			Vacant
3	Project Manager/Executive Engineer	Mr. Musa Nurur Rahman	01715-740505		Transferred; vacant
4	Project Manager/Executive Engineer	Mr. Jakaria Pervez	0171-2660025	13 Oct 16	In Training
	Project Manager/Executive Engineer	Mr. Md. Nazibur Rahman	01711-134034		Transferred; vacant
5	Project Manager/Executive Engineer Khulna	Mr. Md. Abdul Hannan	01712-101250		
6	Additional Director (Account)	Mr. Md. Kabir Ahmed	01712-062333		
7	Deputy Director (Audit)	Vacant			Vacant
8	Sub Divisional Engineer (former)	Mr. Md. Safiqul Islam Sheikh	01734-601836		Promoted & Transferred
	Sub Divisional Engineer (former)	Mr. Md. Rezaul Karim	01868-555198		Promoted & Transferred
9	Sub Divisional Engineer	Mr. Md. Abdullah Al Mamun	01727-002788 01715-145975		Promoted & Transferred
10	Assistant Engineer	Mr. Md. Samiul Hoque	0172-6233262	01 Feb 16	In Training
11	Sub Assistant Engineer	Mr. Md. Mustafizur Rahman	0171-5418687	10 Nov 16	
	Sub Assistant Engineer (former)	Mr. Biplob Kumar Gun	01715-007621		Promoted & Transferred
12	Sub Assistant Engineer	Mr. Md. Kabirul Islam	01711-943281	16 Feb 14	
13	Accountant	Mr. Md. Badarudduza	0174-9044491	24 Mar 14	
14	Cashier	Mr. Md. Kajal Hawlader	0181-6223451	27 Aug 15	
15	Secretary	Ayesha Salam	01816-365597		Resigned July 2016
16	MLSS	Aminul Islam	01688-288544	01 Apr 14	
17	Office Assistant	Shemul Islam	01935-847173	03 Mar 14	
18	Cleaner	Md. Azad Ali	01716-559334	18 Mar 14	
<p>Certain vacancies to be filled once the work commences in Package 02 and 03 include the following for each Bagerhat and Barguna: Sub-Divisional Engineer, Assistant Engineer, Assistant Director, Deputy Assistant Engineer, Office Assistant cum Computer Operator and support staff.</p>					

Sl No.	Designation	Name of Persons	Mobile Number	First Mobilization Date	Status
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Individual Consultants to PMU

1	IpoE	Dr. Ainun Nishat	04478-444093 01819-228245	23 Mar 15	
2	Procurement Specialist	Mr. A.K.M Bodruddoza	01718-666946	21 Nov 13	First contract expired 30 Oct 16, extension is in process
3	Procurement Panel Chairman (International 1)	Mr. Narayan Sharma		25 Nov 13	
4	Procurement Panel Expert (International 2)	Mr. I.A Khan		13 Apr 13	
5	Procurement Panel Expert (National)	Mr. Aminul Haque	01966-464646	25 Nov 13	
6	Sr. Revenue Specialist	Mr. M. A. Saleque	01199-001112	12 Aug 14	First contract expired 22 Dec 16, extension is in process
7	Sr. Social Specialist	Mr. Hasanur Rahman	01712-780176	02 Oct 14	Resigned 03 Jan 17
8	Financial Management Spec.	Mr. Nasser Ahmed	01924-274567	02 Mar 15	Resigned 29 Feb 16
9	Sr. Environmental Specialist	Dr. Ashadul Alam	01747-215770	13 Apr 15	
10	IpoE Panelists	Vacant			

Manpower working under the Project

A. Project Management Unit (PMU)

A.1. In Head Office, Dhaka:

Sl.	Position	Name	Location	1st Mobilization	Total Person-Month	Utilized Person-Month	Remaining Person-Month	% of Utilization
Management Officials								
1	Project Director	Md. Sarafat Hossain Khan	Dhaka	Nov 2013	NA	NA	NA	NA
		Md. Delwar Hossain	Dhaka	09 Feb 2016	NA	NA	NA	NA
Support Staff								
Consultant								

A.2. In Field offices:

Sl.	Position	Name	Location	1st Mobilization	Total Person-Month	Utilized Person-Month	Remaining Person-Month	% of Utilization
Management Officials								
					NA	NA	NA	NA
					NA	NA	NA	NA
Support Staff								
Consultant								

B. Design Supervision Consultant (DDCS&PMSC)

Manpower-utilization Status of the DDCS&PMSC up to 30 September 2016

Sl.	Position	Name	Location	1st Mobilization	Total Person-Month	Utilized Person-Month	Remaining Person-Month	This Qtr Cumulative % of Utilization	Prior Qtr Cumulative % of Utilization
Professional (Foreign)									
1	Team Leader	Jean Henry Laboyrie		21-Jan-15	45	20.7499	24.2501	46%	41%
2	Design Engineer	Alec Sleigh			12	1.1363	10.8637	9%	9%
3	River Training Engineer	Bert te Slaa		21-Feb-15	3	3	0	100%	100%
4	Sociologist/Resettlement Specialist	Dr. Salim Zaman			4	4	0	100%	100%
5	Quantity Surveyor-1	Barbara Hellet			6	1.5454	4.4546	26%	20%
6	Construction Resident Engineer-1	Trevor Morish Hale			55	0	55	0%	0
7	Construction Resident Engineer-2	Gerard Pichel			30	10.909	19.091	36%	27%
8	Contract Management Specialist	Rob Brouwer			4	0.5455	3.4545	14%	0
9	Procurement Specialist	Barbara Hellet		21-Jan-15	4	2.6534	1.3466	66%	66%
10	Environmental Specialist	Henk Blok			8	1.9547	6.0453	24%	13%
11	Sociologist/Resettlement Specialist	Roy Timmer/Dr. Salim Zaman			8	3.4091	4.5909	43%	43%
12	Geo-Technical Engineer	Joost van der Schrier			4	3.6363	0.3637	91%	74%
13	Morphological Modeler	Henrik Rene Jensen			3	1	2	33%	33%
14	Environmental Specialist	Anders Malgrem Hansen		18-Feb-15	4	1.9318	2.0682	48%	41%
15	Estuary and River Morphology Modeler	Bo Brahtz Christensen			1	1	0	100%	100%
16	River and Coastal Expert	Ranjit Galappatti		22-Feb-15	3	3	0	100%	100%
Sub Total [Professional (Foreign)]					194	194	60.4714	133.5286	31%

Note : Travel day include in man-month

Sl.	Position	Name	Location	1st Mobilization	Total Person-Month	Utilized Person-Month	Remaining Person-Month	This Qtr Cumulative % of Utilization	Prior Qtr Cumulative % of Utilization
Professional (Local)									
1	Deputy Team Leader	Md. Habibur Rahman		21-Jan-15	60	23.0909	36.9091	38%	34%
2	Deputy Resident Engineer-1	Mazibur Rahman Khan			60	12.7727	47.2273	21%	20%
3	Deputy Resident Engineer-2	Md. Gulzer Hossain			60	20.7272	39.2728	35%	30%
4	Design Engineer	Md. Anwar Hossain Bhuiyan		02-Feb-15	20	19.9998	0.0002	100%	108%
5	Geo-Technical Engineer	Md. Nurul Islam			6	0	6	0%	0%
6	Re-settlement Specialist/ Sociologist	Md. Khairul Matin, M. A. Latif		2015 and 17 Jan 16	60	9.0455	50.9545	15%	10%
7	Design Engineer	Mr. Mahbubur Rahman		02-Feb-15	30	18.7272	11.2728	62%	98%
8	Environmentalist	Sheikh Muhammad Abdur Rashid		22-Feb-15	6	2.9718	3.0282	50%	50%
9	Sociologist/Resettlement Specialist	Md. Ferdous Rahman		22-Feb-15	30	20.5909	9.4091	69%	88%
10	Geographical Information System Expert	Md. Monirul Haque			6	3.5571	2.4429	59%	56%
11	Procurement Specialist	Md. Humayun Kabir			18	3	15	17%	17%
12	Senior Estimator-1	Md. Humayun Kabir			10	9.7272	0.2728	97%	87%
13	Senior Estimator-2	Md. Nazrul Islam			28	14.4544	13.5456	52%	75%
14	Survey Engineer-1	Pankaj Kumar Moitra		18-Feb-15	30	17.5909	12.4091	59%	77%
15	Survey Engineer-2	Md. Amirul Islam			2	1.5285	0.4715	76%	8%
16	Survey Engineer-3	ABM Anwar Haidar		18-Feb-15	26	13.409	12.591	52%	74%
17	Junior Design Engineer-1	Ms. Selina Akhter			4	4	0	100%	100%
18	Junior Design Engineer-2	Ms. Shaikh Naureen Laila			9	10	-1	111%	228%
19	Auto CAD Specialist-1	Ms. Marjan Mallik			21.76	18.5909	3.1691	85%	130%
20	Auto CAD Specialist-2	Biprojit Paul			13.43	11.5454	1.8846	86%	73%

Sl.	Position	Name	Location	1st Mobilization	Total Person-Month	Utilized Person-Month	Remaining Person-Month	This Qtr Cumulative % of Utilization	Prior Qtr Cumulative % of Utilization
21	River and Coastal Expert	Md.Zahirul Haque Khan		02-Feb-15	7.32	6.5455	0.7745	89%	46%
22	Construction Supervision Engineer-1	Md. Mukhlesur Rahman			60	13.6364	46.3636	23%	18%
23	Construction Supervision Engineer-2	Shyamal Kumar Dutta			52	13.6818	38.3182	26%	18%
24	Construction Supervision Engineer-3	SK Golam Quader			30	13.6818	16.3182	46%	36%
25	Construction Supervision Engineer-4	Abdul Jalil			30		30	0%	0%
26	Quality Control Specialist-1	Md. Abdur Razzaque Khan			54	11.0909	42.9091	21%	18%
27	Quality Control Specialist-2	Md. Sekendar Ali			60	9.7727	50.2273	16%	11%
28	Procurement / Contract Management Specialist	Md. Tafazzal Ali			23	5.1818	17.8182	23%	29%
29	Environmental Specialist	Dr. Quazi Alamgir Kabir Mr. Abu Bakr Siddique		10-Feb-15 June 2016	30	11.2954	18.7046	38%	21%
30	Resettlement Specialist/Sociologist	Md. Mustafizur Rahman		01-Mar-15	20	16.7272	3.2728	84%	69%
31	Land Acquisition Officer	Benu Gopal Dey			20	14.3182	5.6818	72%	63%
32	Geo-Technical and Foundation Specialist	Mizanur Rahman			4		4	0%	0%
33	Mechanical Engineer-1	Monojit Kumar Bagchi			6		6	0%	0%
34	Mechanical Engineer-2	Md. Rashidul Islam			16	9.0795	6.9205	57%	76%
35	Agronomist	Dr. Santosh Kumer Sarker		15-Feb-15	10	7.7727	2.2273	78%	78%
36	Fisheries Expert	Md. Mokammel Hossain		15-Feb-15	10	8.7273	1.2727	87%	67%
37	Economist	Md. Aminul Islam		02-Feb-15	10		10	0%	0%
	Sub Total [Professional (Local)]				942.51	321.2	621.31	34%	36%
	Total				1136.51	373.7	762.81	33%	34%

B.1. Manpower-utilization Status of CEGIS, a sub-Consultant of the DDCS&PMSC

Sl.	Position	Name	Location	1st Mobilization	Total Person-Month	Utilized Person-Month	Remaining Person-Month	% of Utilization
Key Staff								
Non Key Staff								

B.2. Manpower-utilization Status of KMC, a sub-Consultant of the DDCS&PMSC

Sl.	Position	Name	Location	1st Mobilization	Total Person-Month	Utilized Person-Month	Remaining Person-Month	% of Utilization
Key Staff								
Non Key Staff								

C. Third Party Monitoring and Evaluation Consultant (M&E Consultant)

Sl.	Position	Name	Location	1st Mobilization	Total Person-Month	Utilized PM This Quarter	Cumulative PM Utilized	Remaining Person-Month	This Qtr Cumulative % of Utilization	Prior Qtr Cumulative % of Utilization
International Key Staff					52		16.36	35.64	31.5%	27.3%
K-1&K-5	Team Leader cum Economist	Jan T. Twarowski	Dhaka	01-Nov-15	25	1.91	10.32	14.68	41.3%	33.6%
K-4A	M&E Specialist (Water Resources Engineer)	Michael Dembinski	Dhaka	01-Nov-15	8	0.27	3.36	4.64	42.0%	38.6%
K-6	Environmental Specialist	Abu Murshid	Dhaka	10-Nov-15	9	0.00	1.18	7.82	13.1%	13.1%
K-8	Social Safeguards Specialist	Mike Tyson-Taylor	Dhaka	02-Dec-15	10	0.00	1.50	8.50	15.0%	15.0%
National Key Staff					112		30.98	81.02	27.7%	25.0%
K-2	DTL/GIS Info Management Spec.	Md. Mahidur Rahman Khan	Dhaka	20-Dec-15	30	0.46	6.73	23.27	22.4%	20.9%
K-3	Agric'l Economist/M&E Specialist	ABM Murshed Alam Siddiqui	Dhaka	02-Nov-15	18	0.41	5.59	12.41	31.1%	28.8%
K-7	Environmental Specialist	AKM Mizanur Rahaman	Dhaka	02-Nov-15	18	0.00	1.59	16.41	8.8%	8.8%
K-9	Social Safeguards Specialist	Md. Mizanur Rahman	Dhaka	02-Nov-15	18	1.78	9.23	8.77	51.3%	41.4%
K-10	Information Management Spec.	Md. Badiuzzaman	Dhaka	03-Jan-16	18	0.28	4.98	13.02	27.7%	26.1%
K-4B	Water Resources Engineer	H.S. Mozaddad Faruque	Dhaka	02-Nov-15	10	0.00	2.86	7.14	28.6%	28.6%
National Non-Key Staff					97		10.57	86.43	24.0%	20.0%
N-1	Field Data Collector 1	Md. Surruzzaman	Dhaka		22	0.00	0.00	22.00	0.0%	0.0%
N-2	Field Data Collector 2	Md. Babul Haider	Dhaka		22	0.00	0.00	22.00	0.0%	0.0%
N-3	Data and Info Analyst 1	Azizul Haque Kabul	Dhaka	Jan 2016	40	1.77	10.57	29.43	26.4%	22.0%
N-4	Data and Info Analyst 1	Md. Soukat Osman	Dhaka		13	0.00	0.00	13.00	0.0%	0.0%
Support Staff					360		80.03	279.97	22.2%	17.2%
	Office Manager / Accountant (1)	Jahangir Alam	Dhaka	02-Nov-15	60	3.00	13.97	46.03	23.3%	18.3%
	Office Secretary (1)	Ms. Marfatun (Moly)	Dhaka	15-Nov-15	60	3.00	13.53	46.47	22.6%	17.6%
	Computer Operator (1)	Hridoy	Dhaka	01-Dec-15	60	3.00	13.00	47.00	21.7%	16.7%
	Guard (1)		Dhaka		60	3.00	13.00	47.00	21.7%	16.7%
	Tea Boy (2)		Dhaka		2x60=120	6.00	26.53	93.47	22.1%	17.1%

Annex 4 Project Input: Budget and Disbursements

												1 US\$= 79 BDT	
Annex 4.1: Financial Progress (Expenditures) – Capital Component of 2nd Quarter of FY(2016-2017) [Oct to Dec 2016]												All BDT in Lakh Taka ("00,000")	
Major items of action	Total Project		Planned for the current FY	Progress								Achieved (%) against	
	BDT	US\$		BDT	Cumulative up to Last FY	Q-1	Q-2	Q-3	Q-4	Current FY	Cumulative up to this Qtr.	Year's Plan	Project Target
				BDT	BDT	BDT	BDT	BDT	BDT	BDT	BDT	%	%
1. Acquisition of Assets													
2. Equipment and goods under Comp. B, C, D (6800)	1,545.30	1,956,076	450.00	702.83						-	702.83	-	45.48%
3. Afforestation	3,280.00	4,151,899								-	-	-	-
4. Acquisition/Purchase of Land													
4.a Acquisition of Land (544.16 ha)	8,852.40	11,205,570	6,000.00	2,806.25						-	2,806.25	-	31.70%
5. Works Contract Packages 1 to 3													
5.a General Mobilization	4,318.10	5,465,949	27,950.00		1,672.72	1,067.92				2,740.64	2,740.64	9.81%	63.47%
5.b Construction/Re-sectioning of Embankments (624.80 km)	53,482.10	67,698,861								-	-	-	-
5.c Excavation/Re-excavation of Drainage Channel (485.29 km)	6,047.36	7,654,886								-	-	-	-
5.d Construction of Drainage Sluice (124 nos.)	34,948.43	44,238,519								-	-	-	-
5.e Repairing of Drainage Sluice (14 nos)	590.54	747,519								-	-	-	-
5.f Construction of Flushing Inlet (158 nos)	19,894.48	25,182,886								-	-	-	-
5.g Repairing of Flushing Inlet (52nos.)	1,373.04	1,738,025								-	-	-	-
5.h Embankment Slope protection works (52.90 km)	38,538.74	48,783,215								-	-	-	-
5.i River Bank Protection works (22.1 km)	45,781.55	57,951,329								-	-	-	-
5.j Dismantling of Road/Structure	4,839.72	6,126,228								-	-	-	-
5.k Closure (9 nos.)	3,197.16	4,047,038								-	-	-	-
5.l Day Work	648.70	821,139								-	-	-	-
5.m EMP (Works)	2,003.00	2,535,443								-	-	-	-
5.n Miscellaneous	2,312.29	2,926,949		6,662.09						-	6,662.09	-	288.12%
CD & SD	2,815.00	3,563,291								-	-	-	-
Sub-total Capital Component	234,467.91	296,794,822	34,400.00	10,171.17	1,672.72	1,067.92	-	-	2,740.64	12,911.81	7.97%	5.51%	

Source: IMED-05 report (December 2016) of CEIP-1 for 2nd Quarter of FY(2016-2017) [Oct to Dec 2016]

Annex 4.2 Financial Progress (Expenditures) – Revenue Component of 2nd Quarter of FY(2016-2017) [Oct to Dec 2016]												1 US\$= 79 BDT		All BDT in Lakh Taka ("00,000)	
Major items of action	Total Project		Planned for the current FY	Progress / Achievement							Achieved (%) against		Remarks		
				Cumulative up to Last FY	Q-1	Q-2	Q-3	Q-4	Current FY	Cumulative up to this Q	Year's Plan	Project Target			
	BDT	US\$	BDT	BDT	BDT	BDT	BDT	BDT	BDT	BDT	%	%			
1. Implementation of SAP and EMP															
Resettlement / Compensation Payments other than Land Acquisition	26,918.60	34,074,177	4,500.00	2,000.00		584.76			584.76	2,584.76	12.99%	9.60%	RAP for package-1 is completed		
Consultancy service to implement (a) Social afforestation;(b) social action plan (incl. setting up WMOs)	1,987.21	2,515,456	300.00			-			-	-	-	-	Consultant not yet mobilized		
2. Construction Supervision, M&E, Delta Monitoring															
2.a Consultancy Services for Construction Supervision & Detailed Engineering Design of remaining 12 Polder under CEIP, Phase-1	13,659.28	17,290,228	3,188.06	3,365.92		453.96			453.96	3,819.88	14.24%	27.97%			
2.b Third Party Monitoring & Evaluation (M&E) of overall project implementation, RAP & EMP	2,609.09	3,302,646	1,000.00	398.75		-			-	398.75	-	15.28%	Consultant mobilized on 1 Nov 2015		
2.c Consultancy Service for Long term monitoring, research of Bangladesh Coastal Zone	6,709.09	8,492,519	800.00			-			-	-	-	-	Consultant not yet mobilized		
3. Project Management, TA, Training, Strategic Studies															
3.a Project management support and audits	11,507.99	14,567,076	685.70	1,209.39		18.75	171.64		190.39	1,399.78	27.77%	12.16%	Several audits conducted.		
3.b Consultancy Services for Institutional Capacity building, technical assistance and training to BWDB personnel	745.45	943,608				-			-	-	-	-	Consultant not yet mobilized		
3.c Consultancy Services for Feasibility studies and preparation of design for the following Phases of CEIP	4,323.64	5,472,962				-			-	-	-	-	Consultant not yet mobilized		
4. Overseas Training	745.45	943,608	124.24	203.19		-			-	203.19	-	27.26%			
5. Honorarium/ Fees/ Remuneration	30.00	37,975	2.00	3.39		-			-	3.39	-	11.30%			
Sub-total Revenue Component	69,235.80	87,640,255	10,600.00	7,180.64		18.75	1,210.36	-	-	1,229.11	11.60%	12.15%			

Source: IMED-05 report (December 2016) of CEIP-1 for 2nd Quarter of FY(2016-2017) [Oct to Dec 2016]

Annex 5 Project Input Procurement Status and Plans

Annex 5.1 Project Input Procurement Status and Plans – Services

There are 25 procurement items of service categories. Among them, 6 consulting services would be contracted through firms and 19 consulting services would be recruited through individual consultant. “Procurement progress tracking” is discussed below separately: - firms and Individual Consultant (IC).

Consulting Service through Firm: Out of 6, two were contracted out, procurement for two packages is initiated (*one is at the stage of negotiation*) and rest two is yet to start. Detail procurement process statistics is shown in the Tables 5.1a.

Recruitment of Individual Consultant (IC): 19 Individual Consultants are planned to recruit. Out of them, 9 were recruited of which 2 (Financial Management Specialist and Sr. Social Specialist) resigned. **Recruiting of remaining ICs are in process.** Detail procurement process statistics is shown in the Table 5.1b.

Table 5.1a: Procurement Process Tracking Report Consulting Services (Firms) as on 31 December 2016

SI	1		2		3		4		5		6	
Description of Services	Consultancy service to Implement (a) social afforestation and (b) social action plan (incl. setting up WMOs)		Consultancy Services for a) Construction Supervision & Detailed Engineering Design for remaining Polders, b) Preparation of EIA of remaining Polders and c) RAP		Third Party Monitoring & Evaluation (M&E) of overall project implementation, RAP, EIA and EMP		Consultancy Services for Long Term a Monitoring, Research and Analysis of Bangladesh Coastal Zone.		Consultancy Services for Institutional Capacity building, technical assistance and training to BWDB personnel		Consultancy Services for Feasibility studies and preparation of design for the following Phases of CEIP	
Package No	CEIP-1/A2 & B1/S01		CEIP-1/ B2,B3 & C1/S02		CEIP-1/ C2/S03		CEIP-1/ C3/S04		CEIP-1/ D2/S22		CEIP-1/ D3/S23	
Reference #	CEIP-1-5-SBC-CF-CEIP-1/A2 & B1/S01		CEIP-1-6-SBC-CF-CEIP-1/ B2,B3 & C1/S02		CEIP-1-7-SBC-CF-CEIP-1/ C2/S03		CEIP-1-42--CF-CEIP-1/ C3/S04		CEIP-1-40-SBC-CF-CEIP-1/D2/S22		CEIP-1-41-SBC-CF-CEIP-1/D3/S23	
Location / District	Dhaka		Dhaka		Dhaka		Dhaka		Dhaka		Dhaka	
P.P. - Executing Agency:	2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB	
Method:	QBS (Quality Based Selection)		QBS (Quality Based Selection)		QBS (Quality Based Selection)				QBS (Quality Based Selection)		QBS (Quality Based Selection)	
Estimated / Actual Amount in US\$	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual
	2,547,705		17,182,672		3,343,530		8,602,564		909,000		5,273,000	
Preparation of ToR		09-Jun-14		ToR was finalized		ToR was finalized		01-Jan-15		Not yet started		Not yet started
NOL on ToR		21-Sep-14										
Advertisement of EoI		30-Sep-14		19-Jul-13		19-Jul-13		05-May-15		NA		NA
Receipt of REoI		13-Nov-14		22-Aug-13		22-Aug-13		22-Jun-15		NA		NA
Evaluation of REoI		Going on ⁱ		Evaluation done		Evaluation done		Evaluation done		NA		NA
SL submitted to WB												
Shortlist gets WB NOL								18-Nov-15				
Preparation of RFP and Short List	14-Oct-14		20-Jan-14	15-Dec-13	06-Jan-14	15-Dec-13	30-Oct-14		05-Aug-15		05-Aug-16	
No Objection to RFP and Short List	14-Oct-14		03-Feb-14	28-Jan-14	03-Feb-14	20-Feb-14	20-Nov-14		19-Aug-15		19-Aug-16	
Issuance of RFP	14-Oct-14		27-Feb-14	19-Feb-14	27-Feb-14	26-Feb-14	30-Nov-14	19-Nov-15	26-Aug-15	NA	26-Aug-16	NA
Deadline for proposals & Bid Opening	20-Oct-14		17-Apr-14	17-Apr-14	12-May-14	08-May-14	29-Jan-15	28-Dec-15	07-Oct-15		07-Oct-16	
Technical Evaluation	24-Nov-14	NA	19-May-14	Evaluation done	30-Jun-14	Evaluation done	31-Mar-15	31-Dec-15	11-Nov-15	NA	11-Nov-16	NA
Technical Evaluation Report submitted to WB						Dec 2014						
No Objection to Technical Evaluation	08-Dec-14		09-Jun-14		21-Jul-14	Jan 2015	30-Apr-15	03-Mar-16	25-Nov-15		25-Nov-16	

SI	1	2	3	4	5	6		
Financial proposal opening				05-Apr-15		17-Apr-16		
Financial evaluation and combined Tech/Fin evaluation report completed								
Combined Evaluation Report submitted to WB								
WB gives NOL on combined evaluation								
Final Evaluation and Negotiation	19-Jan-15	07-Jul-14		25-Aug-14		28-May-15	06-Jan-16	06-Jan-17
Negotiation			21-Aug-14		09-Apr-15		Ongoing	
Negotiated draft contract sent to WB			31-Aug-14		19-Apr-15			
WB gives NOL on draft contract	02-Feb-15	28-Jul-14	30-Sep-14	15-Sep-14	28-Apr-15	22-Jun-15	20-Jan-16	20-Jan-17
GOB Purchasing Committee (CCGP) approval					27-Aug-15			
Contract Signature Date	09-Mar-15	18-Aug-14	30-Dec-14	27-Oct-14	01-Oct-15	08-Sep-15	24-Feb-16	24-Feb-17
Total days of Process (Bid Opening to Contract Signature Date)	140	123	257	168	511	222	140	140
Commencement of Services					01-Nov-15			
End of Contract (Completed)	07-Mar-21	30-Jun-20		30-Jun-20		30-May-20	30-Jun-18	30-Jun-20
Remarks	70 Nos. Eol proposals were received on 13 Nov 2014. Implementation of this Package was initially deferred as no works in the field have been taken up as planned for. As per decision of discussion meeting on 10 May 2016 with WB Task Team, all the NGOs were requested whether they were still interested for the services. Consent letters obtained. Assessment for short listing going on. Shortlisting and draft RFP will be sent to WB soon.	Negotiation meeting with 1st ranked Consulting Firm was concluded and minutes were signed on 21 Aug 2015. Draft contract and Financial Evaluation Report was sent to WB on 31 August. NoL received on 30 Sept and Contract was signed on 30 Dec, 2014. Consultants mobilized on 21-Jan-2015.	Negotiation meeting with 1st ranked Consulting Firm was concluded on 09 April, 2015. Draft contract and Financial Evaluation Report was sent to WB on 19 April 2015. NoL received on 28 April and Purchase Proposal was approved by CCGP on 27 August 2015. Contract was signed on 01 Oct, 2015. Consultants mobilized on 01 Nov 2015.	NOL on Evaluation of Technical Proposal received on 03 March 2016. Financial Proposal of 1st ranked Firm opened on 17 April 2016. Financial Negotiation meeting carried out from 17-21 April 2016. Negotiations with the 1st ranked Firm are yet to complete. It is planned to conclude by 31 January 2017.	REOI will be invited by July 2017.	REOI will be invited by July 2017.		

Table 5.1b: Procurement Process Tracking Report Consulting Services (Individual Consultants) as on 31 December 2016

1/4

SI No	1		2			3		4		5		
Description of Services	International Procurement Expert (Panel)		International Technical Expert (Panel)			Procurement Expert (National) for Panel		Individual Consultant as Procurement Specialist PMU (Nat'l)		Individual Consultant as Financial Management Specialist (National)		
Package No	CEIP-1/ D1/S05		CEIP-1/ D1/S06			CEIP-1/ D1/S07		CEIP-1/ D1/S08		CEIP-1/ D1/S09		
Reference #	CEIP-1-8-IC-CI-CEIP-1/ D1/S05		CEIP-1-9-IC-CI-CEIP-1/ D1/S06			CEIP-1-10-IC-CI-CEIP-1/ D1/S07		CEIP-1-11-IC-CI-CEIP-1/ D1/S08		CEIP-1-27-IC-CI-CEIP-1/D1/S09		
Location / District	Dhaka		Dhaka			Dhaka		Dhaka		Dhaka		
P.P. - Executing Agency:	2014-1-BWDB-BWDB		2014-1-BWDB-BWDB			2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		
Method:	IC		IC			IC		IC		IC		
Estimated / Actual	Estimated	Actual	Estimated	Actual 1 st	Actual 2 nd	Estimated	Actual	Estimated	Actual	Estimated	Actual 1 st	Actual 2 nd
Amount in US\$	1,104,590		1,104,590			225,641		384,295		247,000		
Preparation of ToR		Both ToR & EoI Finalized		Both ToR & EoI Finalized			ToR Finalized		ToR & REoI Finalized		Fresh REoI Finalized	
NOL to the TOR	14-Oct-13	27-Jul-13	31-Oct-13	31-Jul-13		31-Oct-13	11-Jun-13	31-Oct-13	02-Jul-13	31-Dec-13	11-Dec-13	
Advertisement of EoI		31-Jul-13		06-Aug-13			No Advertisement		28-Jul-13		03-Nov-14	Mar 2016
Receipt of REoI		25-Aug-13		29-Aug-13			Only CV of were collected		20-Aug-13		01-Dec-14	Mar 2016
Evaluation of REoI		Evaluated and concurred by WB		Evaluation done			Evaluated and concurred by WB		Evaluated and concurred by WB		Evaluated and concurred by WB	
Shortlist submitted to WB												28-Dec-16
Shortlist gets WB NOL												
Combined Evaluation Report submitted to WB												
WB gives NOL on combined evaluation												
Negotiation												
Negotiated draft contract to WB												
WB gives NOL- draft contract												
Contract Signature Date	31-Dec-13	25-Nov-13	30-Jan-14	05-Mar-14	13-Apr-15	31-Dec-13	25-Nov-13	31-Dec-13	21-Nov-13	29-May-14	02-Mar-15	
Contract signed		25-Nov-13					25-Nov-13		21-Nov-13			
Total days of Process (receipt of EOI to contract signature)		146		140					93		187	
End Date of Activity	31-Jan-17		¹⁰ 31-Mar-18			¹¹ 30-June-18		31-Oct-16		30-Jun-17		

¹⁰ Corrected as per contract agreement signed with Mr. I.A.Khan

¹¹ As per fresh contract signed on 14 June 2016

<p>Remarks</p>	<p>Contract Agreement between BWDB and Mr. Narayan D. Sharma was signed on 25 Nov, 2013. Contract Agreement was sent to WB. <i>Period of contract expired on 30 October 2016 which was extended up to 31 January 2017.</i> Panel member is now on board. Contract under execution.</p>	<p>Contract with Daniel Thirion was over on 04 March, 2015. Fresh Contract Agreement between BWDB and Mr. I A Khan was signed on 13 April, 2015. Contract Agreement was sent to WB. Panel member is now on board. Contract under execution.</p>	<p>Contract Agreement between BWDB and Mr. M. Aminul Haque was signed on 25 Nov, 2013. Contract Agreement was sent to WB. Panel member is now on board. Allotted 300 days input of Mr. Haque been consumed in October 2015. <i>Fresh contract for 200 days has been processed and contract will be signed soon.</i></p>	<p>Contract with Mr. A.K.M. Bodruddoza was ended on 31 October 2016. <i>Procurement of the services of Mr. A.K.M. Bodruddoza (on sole source basis under a fresh Contract) for 12 months is in process.</i> The procurement specialist is continuing.</p>	<p>Contract Agreement with Mr. Md. Nasser Ahmed was signed on 02 March, 2015. The FMS resigned on 29 Feb.2016. Fresh 35 Nos. REoI were received on 14 April 2016. <i>Evaluation completed. Evaluation Report was submitted to the Bank on 28 December 2016.</i></p>
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Table 5.1b: Procurement Process Tracking Report Consulting Services (Individual Consultants) as on 31 December 2016

2/4

SI No	6		7			8		9		10	
Description of Services	Individual Consultant as Sr. Environment Specialist (PMU/Dhaka)		Individual Consultant as Sr. Social Specialist (PMU/Dhaka)			Individual Consultant as Sr. Forestry Specialist (PMU/Dhaka)		Individual Consultant as Communication officer (PMU/Dhaka)		Individual Consultant as Senior Revenue Officer (PMU/Dhaka)	
Package No	CEIP-1/ D1/S10		CEIP-1/ D1/S11			CEIP-1/D1/S12		CEIP-1/ D1/S13		CEIP-1/ D1/S14	
Reference #	CEIP-1-28-IC-CI-CEIP-1/D1/S10		CEIP-1-29-IC-CI-CEIP-1/D1/S11			CEIP-1-30-IC-CI-CEIP-1/D1/S12		CEIP-1-31-IC-CI-CEIP-1/D1/S13		CEIP-1-32-IC-CI-CEIP-1/D1/S14	
Location / District	Dhaka		Dhaka			Dhaka		Dhaka		Khulna	
P.P. - Executing Agency	2014-1-BWDB-BWDB		2014-1-BWDB-BWDB			2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB	
Method:	IC		IC			IC		IC		IC	
Estimated / Actual	Estimated	Actual	Estimated	Actual 1 st	Actual 2 nd	Estimated	Actual	Estimated	Actual	Estimated	Actual
Amount in US\$	212,000		212,000			212,000		131,000		131,000	
Preparation of ToR		ToR & REOI finalized		ToR & REOI finalized			1-Jan-17		ToR & REOI finalized		ToR prepared and finalized
NOL to the TOR	24-Jun-14		29-Apr-14	15-Apr-14		29-Dec-15		17-Aug-14		23-Dec-13	22-Dec-13
Advertisement of EoI		21-Oct-14		21-Apr-14			NA		23-Nov-14 (1 st) 24-Jan-16 (2 nd)		30-Dec-13
Receipt of REoI		18-Nov-14		15-May-14			NA		15-May-15 (1 st) 24-Feb-16 (2 nd)		06-Feb-14
Evaluation of REoI		Evaluated and concurred by WB		Evaluated & WB concurred			NA		Evaluation done		Evaluated and concurred by WB
Shortlist submitted to WB											
Shortlist gets WB NOL											
Evaluation Report submitted to WB									28-Dec-16		
WB gives NOL on combined evaluation											
Negotiation											
Negotiated draft contract sent to WB											
WB gives NOL on draft contract											
Contract Signature Date	27-Nov-14	13-Apr-15	17-Jul-14	02-Oct-14		28-Apr-16		31-Dec-14		29-May-14	12-Aug-14
Total days of Process		146		140							187
End Date of Activity	30-Jun-17		30-Jun-17			30-Jun-17		30-Jun-17		30-Jun-17	
Remarks	Contract Agreement between BWDB and Dr. Asadul Alam was signed on 13 April, 2015. The Senior Environmental Specialist is now on board.		Contract Agreement between BWDB and Mr. Md. Hasanur Rahman was signed on 02 Oct, 2014. The Sr. Social Specialist was on board. The Specialist has resigned from the services on 03 January 2017 giving 28 days' notice. Fresh procurement is being processed.			Procurement process has been initiated. ToR has been sent to WB on 1-Jan-2017 for NOL.		Two (2) EOI were earlier received at first invitation. So, fresh EOI was invited and 6 Nos. were received on 24 February 2016. Evaluation Report was submitted to the WB on 28 January 2016.		Contract Agreement between BWDB and Mr. M A Saleque was signed on 12 Aug, 2014. Contract ended on 22 Dec 2016. Procurement of the services of Mr. M A Saleque on sole source basis under a fresh Contract for 18 months is in process. The Sr. Revenue specialist is continuing his input.	

Table 5.1b: Procurement Process Tracking Report Consulting Services (Individual Consultants) as on 31 December 2016

3/4

SI No	11		12		13		14		15	
Description of Services	Individual Consultant as Social Specialist/Economist (PMU/Field)		Individual Consultant as Environment Specialist (PMU/Field)		IPoE for Coastal Morphologist and Estuarine/Tidal Hydraulics Expert		IPoE for Hydrodynamics & Coastal Modeling Expert		IPoE for Design Expert in Embankment and Hydraulic Structures	
Package No	CEIP-1 /D1/S15		CEIP-1/ D1/S16		CEIP-1/ D1/S17		CEIP-1/ D1/S18		CEIP-1/ D1/S19	
Reference #	CEIP-1-33-IC-CI-CEIP-1/D1/S15		CEIP-1-34-IC-CI-CEIP-1/D1/S16		CEIP-1-35-IC-CI-CEIP-1/D1/S17		CEIP-1-36-IC-CI-CEIP-1/D1/S18		CEIP-1-37-IC-CI-CEIP-1/D1/S19	
Location / District	Khulna		Khulna		Dhaka		Dhaka		Dhaka	
P.P. - Executing Agency:	2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB		2014-1-BWDB-BWDB	
Method:	IC		IC		IC		IC		IC	
Estimated / Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual
Amount in US\$	131,000		131,000		181,600		181,600		165,000	
Preparation of ToR		1-Jan-17		Prepared		Prepared		Prepared		01 Jan 17
NOL to the TOR	24-Sep-14	3-Jan-17	24-Sep-14	28-Dec-16	24-Sep-14	Dec 16		13-Dec-16	24-Sep-14	
Advertisement of EoI		NA		NA		NA		NA		NA
Receipt of REoI		NA		NA		NA		NA		NA
Evaluation of REoI		NA		NA		NA		NA		NA
Shortlist submitted to WB										
Shortlist gets WB NOL										
Combined Evaluation Report submitted to WB										
WB gives NOL on combined evaluation										
Negotiation										
Negotiated draft contract sent to WB										
WB gives NOL on draft contract										
Contract Signature Date	31-Dec-14		31-Dec-14		31-Dec-14				31-Dec-14	
Total days of Process										
Commencement of Services										
End Date of Activity	30-Jun-17		30-Jun-17		30-Jun-20		30-Jun-20		30-Jun-20	

SI No	11	12	13	14	15
Description of Services	Individual Consultant as Social Specialist/Economist (PMU/Field)	Individual Consultant as Environment Specialist (PMU/Field)	IPoE for Coastal Morphologist and Estuarine/Tidal Hydraulics Expert	IPoE for Hydrodynamics & Coastal Modeling Expert	IPoE for Design Expert in Embankment and Hydraulic Structures
Remarks	Bank has provided NoL on ToR on 03 January 2017. REOI is being prepared for submission to Bank for review and concurrence.	Bank provided NoL on ToR and REOI on 28 December 2016. Invitation of REOI is in process.	PMU, CEIP-1 with the assistance of existing IPoE member, TL-DSC and TL- M&EC, has reviewed the ToR of the remaining four IPoE members and are of the opinion that positions of Coastal, Estuarine and River Morphologist and Sediment/Tidal Management Expert might be merged and named as Coastal Morphologist and Estuarine/Tidal Hydraulics Expert. WB provided NoL on 13 December 2016. Procurement is in process.	WB provided NoL on 13 December 2016. Procurement is in process.	It was also felt necessary to include one new IPOE member with expertise on Hydrodynamic and Coastal Modeling and he could guide, specially, the long term monitoring of the coastal belt including the models that would be set up for this purpose. WB has agreed. ToR has been sent to WB on 1-Jan-17. Procurement is in process.

Table 5.1b: Procurement Process Tracking Report Consulting Services (Individual Consultants) as on 31 December 2016

SI No	16		17		18		19	
Description	IPoE for Social Expert		IPoE for Environment, Water Management and Polder Expert		Accounting and Financial Management System Specialist (AFMSS) (National)		Procurement of Individual Consultant as Information Technology Specialist (ITS) (National)	
Description of Services	IPoE for Social Expert=1 No		IPoE for Environment, Water Management and Polder Expert = 1 No		Procurement of Individual Consultant as Accounting and Financial Management System Specialist (AFMSS) (National) = 1 No		Information Technology Specialist (ITS) (National) = 1 No	
Package No	CEIP-1/ D1/S20		CEIP-1/ D1/S21		CEIP-1/ D1/S24		CEIP-1/ D1/S25	
Reference #	CEIP-1-38-IC-CI-CEIP-1/D1/S20		CEIP-1-39-IC-CI-CEIP-1/D1/S21					
Location / District	Dhaka		Dhaka		Dhaka		Dhaka	
P.P. - Executing Agency:	2014-1-BWDB-BWDB		2014-1-BWDB-BWDB					
Method:	IC		IC		IC		IC	
Estimated / Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual
Amount in US\$	165,000		165,000					
Preparation of ToR		Prepared		Updated ToR concurred by WB				
NOL to the TOR	24-Sep-14	07-Nov-16	24-Sep-14					
Advertisement of EoI		NA		NA				
Receipt of REoI		NA		NA				
Evaluation of REoI		NA		NA				
Shortlist submitted to WB								
Shortlist gets WB NOL								
Combined Evaluation Report submitted to WB								
WB gives NOL on combined evaluation								
Negotiation								
Negotiated draft contract sent to WB								
WB gives NOL on draft contract				12-Mar-15				
Contract Signature Date	31-Dec-14		31-Dec-14					
Contract signed				23-Mar-15				
Total days of Process								
Commencement of Services								
End Date of Activity	30-Jun-20		30-Jun-20					
Remarks	WB provided NOL on ToR on 07 November 2016 and concurred 3 CV approach for the selection of the social IPOE on 28 November 2016. Selection is in process.		Bank's NOL on Draft Contract was received on 12 March, 2015. Contract Agreement between BWDB and Dr. Ainun Nishat as IPoE was signed on 23 March 2015. The IPOE is now on board.		This is a new Package concurred by World Bank and entered into Revised Procurement Plan (PP- 2016-1) which is in process. 3 CVs have been collected and under evaluation. Evaluation Report will be sent to WB soon.		This is a new Package concurred by World Bank and entered into Revised Procurement Plan (PP- 2016-1) which is in process. 3 CVs have been collected and under evaluation. Evaluation Report will be sent to WB soon.	

Annex 5.2a: Procurement Status and Plans - Works

As per the DPP, there are 4 packages of Works under the project. But these packages were reviewed and decided that works contract will be three packages. Package -01 has already contacted out. Package-02 is under way of procurement. Package -03 is yet to initiate.

Initiated-procurement as per the statement of “Status of Procurement” as on **31 December 2016** is described below:

SI. No	1		2 (Revs.)		3 (Revs.)		4
Description of Works	Rehabilitation / Reconstruction & Upgrading of Polder 32, 33, 35/1 and 35/3 under Coastal Embankment Improvement Project, Phase-1, (CEIP-1).		¹² Rehabilitation and upgrading of Polder 14/1, 15, 16, 17/1, 17/2 & 23 (Actual Nos of Polder in package are rearranged as 39/2C, 40/2, 41/1, 43/2C, 47/2 and 48)		¹³ Rehabilitation and upgrading of Polder 48,47/2 & 43/2C (Actual Nos of Polder in this Package will be arranged as 14/1, 15, 16, 17/1, 17/2, 23 & 34/3)		¹⁴ Rehabilitation and upgrading of Polder 40/2, 41/1, 34/3 and 39/2C
Package No	CEIP-1/W-1		CEIP-1/W-2 (revised)		CEIP-1/W-3 (revised)		
Reference #	CEIP-1-12-LPIPQ-O-CEIP-1/W-01		CEIP-1-13-LPIPQ-O-CEIP-1/W-02 (Rvsd.)		CEIP-1-13-LPIPQ-O-CEIP-1/W-03 (Rvsd.)		
Districts	Khulna		Patuakhali, Barguna and Pirojpur				
P.P. - Executing Agency:	2014-1-BWDB - BWDB		2014-1-BWDB - BWDB		2014-1-BWDB - BWDB		
Method:	ICB (International Competitive Bidding) with post-qualification ¹⁵		ICB (International Competitive Bidding) with post-qualification		ICB		
Estimated / Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	
Amount in US\$	104,276,026.00		58,216,474.00		25 million USD		
Preparation of Document							
Tender Docs Submitted to World Bank		02-Mar-15		14-Oct-15, 09-Nov-15			
Bank's NOL	30-Jun-14	09-Mar-15	03-Jan-16	03-Dec-15			
Publication / Invitation	15-Jul-14	10-Mar-14	10-Jan-16	04-Dec-15			
Deadline tenders & Bid Opening	14-Sep-14	25-May-15	14-Mar-16	24-Mar-16			
Evaluation of Bids	18-Oct-14	13-Jun-15	18-Apr-16	19-Jun-16			
WB gives NOL on evaluation		19-Jul-15		04-Aug-16			
Negotiated draft contract sent to WB							
No Objection to Evaluation Report	10-Nov-14		09-May-16				

¹² Nos. of Polders for this Package have been changed as '39/2C, 40/2, 41/1, 43/2C, 47/2 and 48' instead of previously included Nos of '14/1,15,16,17/1,17/2 & 23'

¹³ All the three (3) Polders of this Package (43/2C, 47/2 and 48) have been included under Package No.CEIP-1/W-02. So, this Package has been rearranged in terms of inclusion new Polders from Package #2 and # 4

¹⁴ Out of four (4) Polders, three (3) (40/2, 41/1 and 39/2C) have been included under Package CEIP-1/W-02. The remaining one (1) is included in Package #3 and this Package will be declared void.

¹⁵ Method has been changed from ICBPQ (International Competitive Bidding with pre-qualification) to ICB (with post qualification)

Sl. No	1		2 (Revs.)		3 (Revs.)		4
GOB Purchasing Committee approval		09-Sep-15		20-Aug-16			
Issuing NOA		21-Sep-15		15-Dec-16			
Contract signed	09-Jan-15	01-Nov-15	28-Jun-16				
Advance Issued							
Commencement of Services		26-Jan-16					
Total days of Process (Bid Opening to Contract Signature Date)	117	160	106				
End of Contract (Completed)	31/12/2017		30/06/2018				
Remarks	<p>7 Nos. Bids were received and M/S The First Engineering Bureau of Henan Water Conservancy of China was awarded the contract. Contract was signed on 01 Nov 2015. Civil works are going on.</p>		<p>Package W-02 is being procured on an accelerated basis and IFB was floated. Bid received on 24 March 2016. 7 Nos. Bids were received. Bid Evaluation completed and Bid Evaluation Report (BER) was sent to World Bank on 19 June 2016 for Bank's review and concurrence. NOL on BER obtained on 04 August 2016. Purchased Proposal was approved by GoB on recommendation by CCGP in its meeting on 20 October 2016. MoRW's order of approval obtained on 13 November 2016. Due to shortfall of fund for land acquisition there were problems in issuance of NoA. After lot of correspondences with World Bank by PMU, CEIP-1 and ERD through BWDB and MoWR and meetings, NoA was issued to the successful bidder on 15 December 2016. As per NoA a pre-contract meeting aiming finalizing the timing of phased handover of land will be held after the successful bidder has furnished the Performance Security till this date. The last date of submission Performance Security is 12 January 2017.</p>		<p>It is expected that the Bidding Document for this package is expected to be prepared by January 31, 2017, after completing the design. The Invitation for Bid (IFB) will be floated by February 28, 2017. The Bids is expected to be received by April 30, 2017</p> <p>BDT 4497.60 million (equivalent to USD 57.0 million) will be available for this package, meeting up the cost for Package-1 & Package-2, not being sufficient to take up works of all the Polders which will cost BDT 7000.00 million (equivalent to USD 88.72 million). So, it was proposed to drop 2(two) Polders (Polder No.14/1 and 15) from this Package. The entire area of these 2 (two) polders is under shrimp cultivation.</p>		<p>This Package will be treated void since the polders under this package have been incorporated in the packages 2 & 3 (re-arranged)</p>

Annex 5.3a: Procurement Status and Plans - Goods

As per the DPP, 14 items of Goods would be procured. Among them, 6 items were initiated for procurement as per the statement of "Status of Procurement" as on **31 December 2016**, which is described below:

SI No	1		2		3		4		5		6	
Description of Goods	Procurement of Motor Vehicles a) 4-WD Jeep/Cross Country (Total 10 Nos.) b) Micro Bus-(Total 1 No.)		Procurement of Motor Cycle- 10 Nos		Supply of Desktop Computer, Laptop, Printer, & UPS with Accessories under CEIP-1		Procurement of Engineering Equipment: a) Levelling instrument with accessories -5 & b) Total Station-3 Nos.		Office Equipment: 1) Multimedia Projector, 2) Air cooler, 3) PABX Intercom System, 4) Photocopier, 5) Fax, 6) Scanner, and 7) Plotter (36" Size) with accessories and related services under CEIP-1.		Procurement of Office Furniture under CEIP-1.	
Package No	CEIP-1/ G-1		CEIP-1/ G-2		CEIP-1/ G-4		CEIP-1/ G-5		CEIP-1/ G-6		CEIP-1/ G-7	
Reference #	CEIP-1-1-LPI-B-CEIP-1/G-1		CEIP-1-16-NCB-B-CEIP-1/G-2		CEIP-1-3-NCB-B-CEIP-1/G-4		CEIP-1-18-NCB-B-CEIP-1/G-5		CEIP-1-20-LPI-B-CEIP-1/G-6			
Districts	Dhaka		Dhaka		Dhaka		Dhaka		Dhaka		Dhaka	
P.P. - Executing Agency:	2014-1-BWDB - BWDB		2014-1-BWDB - BWDB		2014-1-BWDB - BWDB		2014-1-BWDB - BWDB		2014-1-BWDB - BWDB		2014-1-BWDB - BWDB	
Method:	NCB (National Competitive Bidding)		NCB (National Competitive Bidding)		NCB (National Competitive Bidding)		NCB (National Competitive Bidding)		NCB (National Competitive Bidding)		NCB (National Competitive Bidding)	
Estimated / Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual	Estimated	Actual
Amount in US\$	1,000,000.00	749427	19,231.00	23248	62,000.00	64,643.00	19,880.00	10,333.00	30,000.00	27771		
Preparation of Tender Document		17-Dec-14										
No Objection Documents	28-Feb-14	25-Dec-14	NA	NA	19-Mar-14	18-Mar-14	NA	NA				
Publication / Invitation	07-Mar-14	20 Oct 2015 (4th call)	02-Oct-14	08-Jul-15	22-Mar-14	19-Mar-14	17-Sep-14	08-Jul-15	01-Apr-14	01-Apr-14		17-Feb-16
Deadline tenders & Bid Opening	06-May-14	19-Nov-15	27-Oct-14	10-Aug-15	19-Apr-14	09-Apr-14	15-Oct-14	10-Aug-15	01-May-14	12-May-14		
Evaluation of Bids	05-Jun-14	02-Dec-15	25-Nov-14	07-Sep-15	19-May-14	28-Apr-14	12-Nov-14	06-Sep-15	31-May-14	29-May-14		
No Objection to Evaluation Report	19-Jun-14	NA	NA	NA	03-Jun-14	11-May-14	NA	NA	NA	NA		
Work order / Contract Date	18-Aug-14	07-Jan-16	16-Dec-14	04-Oct-15	08-Jul-14	08-Jun-14	03-Dec-14	04-Oct-15	05-Jul-14	09-Jun-14		
Total days of Process (between Bid Opening and Contract Signature Date)	104	49	50	55	80	60	49	55	65	28		
End of Contract (Completed)	31-Dec-14	04 Feb 2016	25-Jan-15	22-Nov-15	05-Aug-14	29-Jun-14	31-Dec-14	22-Nov-15	02-Aug-14	29 Jun 2014		
Remarks	* Contract for 1 No. Microbus (Lot No.2) executed on 18 Nov 2015. Supply completed ** Contract for 10 Nos. 4WD (Lot No.) vehicle executed on 07 January 2016. Supply completed		Tender was evaluated by BWDB TEC members. Contract executed on 04 October 2015. Supply completed		All Desktop Computer, Laptop, Printer, & UPS with Accessories were received.		Tender was evaluated by BWDB TEC members. Contract executed on 04 October 2015. Supply completed.		Tender was evaluated by BWDB TEC members. Work Order issued on 01 June 2014. All office equipment were supplied.		All office Furniture were supplied.	

Annex 5.3b Procurement Plan of Goods as per DPP

Package No	Description of Procurement as per TAPP/DPP Goods	Unit	Quantity	Procurement Method & (Type)	Contract Approving Authority	Source of Funds	Estimated Cost/ Contract Price (Million USD)	Indicative Dates			Remarks
								Invitation for Tender	Signing of Contract	Completion of Contract	
1	2	3	4	5	6	7	8	9	10	11	12
CEIP-1/G-01	Procurement of Motor Vehicles a) 4-WD Jeep/Cross Country (Total 15 Nos.) b) Micro Bus-(Total 2 Nos.)	Nos	Motor Vehicle-10 Nos, Microbus-2 Nos	OTM(ICB)	HOPE	WB/IDA	0.75	August,2013	October,2013	April,2014	Contract for 1 No. Microbus (Lot No.2) executed on 18 November 2015 and supply completed. Contract for 10 Nos. 4WD (Lot No.) vehicle executed on 07 January 2016 and supply completed
CEIP-1/G-02	Procurement of Motor Cycle- 20	Nos	Motor Cycle-10 Nos	OTM(NCB)	PD	WB/IDA	0.0234	September,2013	October,2013	February,2014	Tender was evaluated by BWDB TEC members. Contract executed on 04 October 2015. Supply completed
CEIP-1/G-03	Procurement of Speed Boat with engine & other accessories (Total 9 nos.)	Nos	Speed Boat-5 Nos	OTM(NCB)	PD	WB/IDA	0.0609	October,2013	November,2013	March,2014	Program revised. Revised Procurement Plan (PP- 2016-1) is in process. It will be procured by December, 2017
CEIP-1/G-04	Procurement of a) Computer - (Total 35 Nos, Laptop-10+Desktop-25), b) Colour/Black & White Printer-A3/A4 (Total 20 Nos), c) UPS=(Total 25 Nos), d) IPS = 10 Nos with ancilleries	Nos	Computers - a) Laptop-5 Nos, Desktop-20 Nos, b) Printer-10 Nos, c) UPS-20 Nos, d) IPS-5 Nos with ancilleries	OTM(NCB)	PD	WB/IDA	0.065	August,2013	September,2013	December,2014	3 Tenders received on 09 April, 2014 and Evaluation done. Work Order issued on 12 May 2014. All Desktop Computer, Laptop, Printer, & UPS with Accessories were received.
CEIP-1/G-05	Engineering Equipment- a) Levelling instrument with accessories (Total-10 Nos), Total Station (Total-5 Nos)	Nos	a) Levelling instrument - 5 Nos.; b) Total Station-3 Nos	OTM(NCB)	PD	WB/IDA	0.0103	October,2013	November,2013	January,2014	Tender was evaluated by BWDB TEC members. Contract executed on 04 October 2015. Supply completed.
CEIP-1/G-06	Office equipment with accessories a) Multimedia Projector(Total 4 Nos), b) Aircooler- (Total-10 Nos), c) PABX Intercom System -1 Set, d) Photocopier 10 Nos. e) Fax- 10 Nos., f) Scanner	Nos	a) Multimedia Projector- 2 Nos, b) Aircooler- 5 Nos, c) PABX Intercom System- 1 set d) Photocopier- 5 Nos, e) Fax-4 Nos, f) Scanner-	OTM(NCB)	PD	WB/IDA	0.028	August,2013	September,2013	January,2014	Tender was evaluated by BWDB TEC members. Work Order issued on 01 June 2014. All office equipment were supplied.

Package No	Description of Procurement as per TAPP/DPP Goods	Unit	Quantity	Procurement Method & (Type)	Contract Approving Authority	Source of Funds	Estimated Cost/ Contract Price (Million USD)	Indicative Dates			Remarks
								Invitation for Tender	Signing of Contract	Completion of Contract	
1	2	3	4	5	6	7	8	9	10	11	12
	A3 Size- 4 Nos., g) Spiral Binding machine 4 Nos, h) Plotter Ao Size-1 No		2 Nos, g) Spiral Binding Machine- 2 Nos,h) Plotter Ao Size -1 No								
CEIP-1/G-07	Furniture (For Project Director, CEIP-1 BWDB, office)	LS	LS	OTM(NCB) /RFQ	PD	WB/IDA	0.0064	August,2013	September,2013	October,2014	All the furniture were supplied
CEIP-1/G-08	Procurement of Motor Vehicles a) 4-WD Jeep/Cross Country (Total 15 Nos.) b) Micro Bus- (Total 2 Nos.)	Nos	Motor Vehicle-05 Nos	OTM(ICB)	PD	WB/IDA	0.449	July,2015	September,2015	March,2016	Program revised. Revised Procurement Plan (PP- 2016-1) is in process. Will be procured by April, 2017.
CEIP-1/G-09	Procurement of Motor Cycle- Total= 20 Nos	Nos	Procurement of Motor Cycle-10 Nos	OTM(NCB)	PD	WB/IDA	0.019	July,2015	August,2015	December,2015	Program revised. Revised Procurement Plan (PP- 2016-1) is in process. Will be procured by December, 2017
CEIP-1/G-10	Procurement of Speed Boat with engine & other accessories (Total 09 nos.)	Nos	Speed Boat-4 Nos	OTM(NCB)	PD	WB/IDA	0.051	October,2015	Novemeher,2015	March,2015	Program revised. Revised Procurement Plan (PP- 2016-1) is in process. Will be procured by June, 2018.
CEIP-1/G-11	Procurement of a) Computer- (Total 36 Nos, Laptop-10 + Desktop-25), b) Colour/Black & White Printer(Total 20 Nos), C) UPS= (Total 15 Nos), d) IPS = 10 Nos with ancillaries	Nos	Computers- a) Laptop-5 Nos, Desktop-5 Nos; b) Printer-10 Nos, c) UPS-5 Nos, d) IPS-5 Nos with ancillaries	OTM(NCB)	PD	WB/IDA	0.041	August,2015	September,2015	December,2015	Program revised. Revised Procurement Plan (PP- 2016-1) is in process. Will be procured by April 2017
CEIP-1/G-12	Engineering Equipment - a) Levelling instrument with accessories (Total - 10 Nos) Total Station-) Total- 5 Nos)	Nos	a) Levelling instrument - 5 Nos.; b) Total Station-2 Nos	OTM(NCB)	PD	WB/IDA	0.015	October,2015	November,2015	January,2016	Program revised. Revised Procurement Plan (PP- 2016-1) is in process. Will be procured by June 2017
CEIP-1/G-13	Office equipment with accessories a) Multimedia Projector (Total 4 Nos), b) Air cooler- (Total-10 Nos), c) PABX Intercom System - 1 Set, d) Photocopier 10	Nos	a) MultiMedia Projector- 2 Nos, b) Aircooler- 5 Nos, c) Photocopier- 5 Nos, d) Fax-6 Nos, e) Scanner-	OTM(NCB)	PD	WB/IDA	0.023	July,2015	August,2015	December,2015	Program revised. Revised Procurement Plan (PP- 2016-1) is in process. Will be procured by March 2017.

Package No	Description of Procurement as per TAPP/DPP Goods	Unit	Quantity	Procurement Method & (Type)	Contract Approving Authority	Source of Funds	Estimated Cost/ Contract Price (Million USD)	Indicative Dates			Remarks
								Invitation for Tender	Signing of Contract	Completion of Contract	
1	2	3	4	5	6	7	8	9	10	11	12
	Nos. e) Fax- 10 Nos. f) Scanner A3 Size 4 Nos., g) Spiral Binding machine 4 Nos, h) Plotter Ao Size- 1 No.		2 Nos, f) Spiral Binding Machine- Mos								
CEIP-1/G-14	Procurement of Motor: Micro Bus – 1 No	Nos	Micro Bus – 1 No				0.06				This is a new Package concurred by World Bank and entered into Revised Procurement Plan (PP- 2016-1) which is in process. Will be procured by April, 2017.

HOPE=Head of the Procuring Entity

PD=Project Director

Annex 6 Component B 2: Estimated Schedule for Vacating Settlements for Works Package 1

Package 1 Polder 32 33 falls under Kuhlina and 35/1 and 35/3 under Bagerhat office.

	Resettlement Action Milestones	Responsible	Date Planned	Estimated Time (weeks) Required between Milestones	Date Actual	Actual Time Elapsed between Milestones
				Wks	Date	Wks
1	Nomination of PAVC members	XEN PMU FO Kuhlina and Bagerhat		1	15 Dec 2015	
2	Approval of PAVC members	PD		1	23 Dec 2015	1
3	PAVC Meeting to determine methodology to establish final rates	Convener PAVC / Sub divisional Engineer of PMU FO Kuhlina and Bagerhat		1	07 Jan 2016 (Kuhlina) 12 Jan 2016 (Bagerhat)	2-3
4	Communication with concerned departments to re-confirm published rates and receive endorsement letters Land = Deputy Commissioners Kuhlina and Bagerhat and Land Registration Office Structures = Director Public Works Department Kuhlina and Deputy Director Bagerhat Trees = Forest Department Crops = Agricultural Extension and Agricultural Marketing	Convener PAVC / Sub divisional Engineer of PMU FO Kuhlina and Bagerhat		2	27 Dec 2015 to 31 Dec 2015	In parallel
5	Meeting of PAVC rates and payment budget	Convener and members of PAVC		2	13 Mar 2016	8-9
6	Meeting to sign and forward rates and payment budget documentation	Convener and members of PAVC		0.5	16 Mar 2016	0.5
7	Review of documentation received from PAVC and preparation of two types of budget for DC / payment of compensations for land, structures, trees, crops, fish stock, and Resettlement benefits	PD		1	May 2016 (excluding land)	8

	Resettlement Action Milestones	Responsible	Date Planned	Estimated Time (weeks) Required between Milestones	Date Actual	Actual Time Elapsed between Milestones
	*business income, resettlement and livelihood assistance.					
8	Instruction to transfer budget (A) to DC Kuhlina and DC Bagehrhat, and budget (B) to XEN PMU FOs Kuhlina and Bagerhat	PD		1	June 2016	3
9	Bank Transfer	Bank		0.2	June 2016	In parallel
10	DC to issue Notice No 7 a publishing schedule at sites of payments for budget (A) in form of account paid checks	DC Khulna and Bagerhat		2		
11	Fund release to PAHs of budget (A)	DC Khulna and Bagerhat		4		
12	XEN to issue Notice No 7 b publishing schedule at sites of payments for budget (B) in form of account paid checks	XEN PMU FOs Khulna and Bagerhat		2	August 2016	8
13	Fund release to PAHs of budget (B)	XEN PMU FOs Khulna and Bagerhat		4	Sept 2016	2-3
14	Vacating of resettlement sites by payment recipients	Resettlement recipients		8	Oct-Nov 2016 started; expected to be complete in May 2017	4-8 to start; another 26 weeks to complete
		Total		29.7		
		Total for first 1157 non-titled EPs				42-46 wks
		Total for all EPs				70-74 wks

Annex 7 Governance Accountability and Action Plan

As of 30 September 2016, the main change during the quarter is the GoB's proposal to restructure the IPOE TORs and eliminate some Jr. Social and Environmental staff from PMU.

Issues/Risks/ Objective	Actions	Agency responsi ble	Timeline - Plan	Early Warning Indicators to Trigger Additional Action	Timeline - Actual	Remarks
Institutional Risks						
Need to strengthen capacity to handle large volume procurement, financial management, contract management, communications, and monitoring functions	Establish PMU with internally or externally hired staff as per the agreed Organogram.	BWDB	Key staff recruited 3-6 months after project effectiveness.	Delays in conduct of procurement, execution of contracts and processing of payments.	Effectiveness date Nov 2013. PD – Dec 2013 Procurement Spec – Nov 2013 Financial Mgt Spec- originally March 2015, but now vacant Environment Spec –April 2015 Sr. Social Spec – October 2014 signed Sr. Revenue Officer – August 2014 signed Communication Spec – Fresh EOI Jan 2016. <u>Deferred to 2016:</u> Sr. Forestry Spec. Social Spec./Econ (Field) Environment Spec. (Field)	FM Specialist left the project 29 Feb 2016; CVs of replacements being evaluated. Key PMU staff vacancies need to be filled.
	Retain existing consultants or engage new consultants for design, construction supervision	BWDB	Contracted 1 st year;		DDCS&PMSC contracted PY2 (January 2015)	
	Contract Third Party M&E functions	BWDB	Contracted 2 nd year		M&E Consultant contracted PY2 (October 2015)	
	Increase frequency of Bank supervision missions, especially during the first 2 years.	WB	At least twice a year		Start (FY 2013/14)– 1 mission PY1 (FY 2014/15)– 1 mission PY2 (FY 2015/16)– 2 missions	

Issues/Risks/ Objective	Actions	Agency responsi ble	Timeline - Plan	Early Warning Indicators to Trigger Additional Action	Timeline - Actual	Remarks
Need for proactive provision of information and enhanced transparency	Appoint a Communication Specialist as part of the PMU to act as RTI officer (until BWDB engages an RTI officer) in accordance with the RTI act.	BWDB	3 -6 months after project effectiveness	Lack of information officer or frequent replacement	Communications Specialist CVs under evaluation	
	Quarterly Reporting on Project Implementation by PMU	BWDB	Quarterly		First QPR submitted in Feb 2016 for period ending Dec 2015. QPRs routinely being prepared.	
	Set up a website and provide regular information on project performance as well as procurement information	BWDB	Website set up by end of Year 1. Website regularly updated	Delays in establishment of website/ publishing information	From inception, notices and procurement results being posted on BWDB website and CPTU website (Ministry of Planning). New, easier-to-navigate BWDB website is under development.	
Procurement Risks						
Reduce risk of corruption in procurement .	Retain design of few contracts processed in Dhaka to enhance scrutiny	BWDB	On-going	Procurement red flags in ex ante and ex post review	Procurement packages have been aggregated in size to facilitate scrutiny.	PMU understands and follows procedures that safeguard procurement processes. Replacement made April 2015 after
	Publish/agree detailed mapping of procurement processes, including finite list of who has access to documents when in the process	BWDB	On-going	Inconsistencies with 'need to know' principles in procurement mapping, evidence of unauthorized access to information	Documentation and mapping of processes will be completed December 2015. ICB guidelines are enforced.	
	Enforce ICB procurement guidelines for documentation, timelines, and transparency	BWDB, Bank	On-going			
	Appoint a Procurement Panel	BWDB	3-6 months after project effectiveness	Panel members not recruited	Int'l Proc. Expert – Nov 2013 Nat'l Proc. Expert – Nov 2013 Int'l Technical Exp. – 2013, with	

Issues/Risks/ Objective	Actions	Agency responsi ble	Timeline - Plan	Early Warning Indicators to Trigger Additional Action	Timeline - Actual	Remarks
	Enhance complaints mechanism with reporting established and follow-up guidelines	BWDB	On-going	Nature and frequency of complaints	replacement in April 2015 GRC members confirmed in Dec 2015. Fifteen (15) GRC formed in Package 01 area.	expert did not renew contract.
Potential for or reduce risks of conflict of interest among participants in procurement	Declarations of no conflict of interest by BWDB personnel, including members of PP and bidders	BWDB	BWDB personnel by effectiveness; bidders at submission		Complied on ongoing basis.	Periodic renewal of COI declaration may be considered. Renewal has not done.
	Review statements of financial interests encompassing key project staff	BWDB	Within one month of submission		Not a separate declaration from COI above.	
	Require bidders' statements concerning agents and other possible connections to persons involved with procurement.	BWDB	At bidding stage		Complied on ongoing basis.	
Contract Execution and Project Management Risks						
Avoid collusion of parties involved and ensure transparent management of contracts	BWDB website includes information on contract execution (e.g. gross estimate of completion of works etc.)	BWDB	As information becomes available	Website does not include updated information	Complied on ongoing basis, as information is available. Please see bwdb.gov.bd website.	
	Establish enhanced complaints mechanism, including ICT	BWDB	By project effectiveness		In process of being developed.	
	Numerous level of scrutiny: - PD serve as Employer's representative - Construction Supervision Consultant as Engineer - Nominate Resident Engineers at	Construc tion Consult- ants, M&E			In place: PD – Nov 2013 New PD appointed – Feb 2016 DDCS&PMSC – Jan 2015	

Issues/Risks/ Objective	Actions	Agency responsi ble	Timeline - Plan	Early Warning Indicators to Trigger Additional Action	Timeline - Actual	Remarks
	the site - M&E Consultant to oversee project performance				REs nominated – Jan 2015 M&E – Nov 2015	
Fraud and Corruption in Delivery of RAP Benefits						
Potential for improper targeting of beneficiaries and/or false delivery	Contract out implementation of RAP to experienced NGOs, with reputable track record for similar programs	NGOs	Contract in place	Reviewers (BWDB, WB) receive plausible complaints borne out by frequency or other corroboration	DDCS&PMSC has KMC on its team, charged with looking after the RAP implementation (since Jan 2015). M&E Consultants in place Nov 2015 and developed a Comprehensive M&E Strategy. Baseline survey designed; implemented in second quarter 2016.	It would be appropriate to have this individual will also serve as M&E Consultant's counterpart.
	Ensure third party monitoring by the M&E Consultants	M&E	Contract in place			
	Conduct survey among beneficiaries	M&E		Survey results identify improprieties		
	Enhance complaints mechanism, including use of ICT	M&E	Unit in place by effectiveness or before		In process of being developed.	
	Suo moto disclosure of information	BWDB	Designated office in place by effectiveness, begin implementing expanded disclosure plan three months after effectiveness		Communication Specialist REOI re-advertised in January 2016. CV evaluations underway.	

Annex 8 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								Fre- quency	Data Source/ Meth.	Responsible for Data Collection	Remarks
				YR1 (2014-2015)	YR2 (2015-2016)	YR3 (2016-2017)	YR4 (2017-2018)	YR5 (2018-2019)	YR6 (2019-2020)	YR7 (2020-2021)	End Target				
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																
Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values								End Target	Fre-quency	Data Source / Meth.	Responsible for Data Collection	Remarks
				YR1 (2014-2015)	YR2 (2015-2016)	YR3 (2016-2017)	YR4 (2017-2018)	YR5 (2018-2019)	YR6 (2019-2020)	YR7 (2020-2021)						
Length of upgraded embankment		km	0	-	20	121	309	452	551	623	623	Annual	BWDB	M&E		
<i>Achievement</i>				-	0.81	0.98									0.980 kms done; 43.582 kms in process	
Drainage structures replaced and upgraded		No.	-	-	3	23	59	89	113	129	129	Annual	BWDB	M&E		
<i>Achievement</i>				-	0											
Regulators upgraded		No.	-	-	4	28	73	106	123	134	134	Annual	BWDB	M&E		
<i>Achievement</i>				-	0											
Flushing inlets upgraded		No.	0	-	9	52	127	178	214	244	244	Annual	BWDB	M&E		
<i>Achievement</i>				-	0											
Length of Drainage Channels upgraded		Km	0	-	27	157	381	540	681	794	794	Annual	BWDB	M&E		
<i>Achievement</i>				-	0											
Area restored re/afforested	X	ha	-	-	-	-	-	100	200	300	300	Annual	BWDB	M&E		
<i>Achievement</i>				-	-											
Water Management Organization (WMO)		Nb.	0	-	-	-	1	2	3	4	4	Annual	BWDB	M&E/NGO		
<i>Achievement</i>				-	-											

Intermediate Results Indicators																
Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values								End Target	Fre- quency	Data Source/ Meth.	Responsible for Data Collection	Remarks
				YR1 (2014-2015)	YR2 (2015-2016)	YR3 (2016-2017)	YR4 (2017-2018)	YR5 (2018-2019)	YR6 (2019-2020)	YR7 (2020-2021)						
Improved coastal monitoring		Studies	Ltd. 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 person-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 person-days)
Grievance Redress Committee (GRC)		No.	0		4	4	10	13	17				Annual	BWDB	M&E/NGO	
<i>Achievement</i>						4 (15 GRC)										GRC formation undertaken for Polders 32, 33, 35/1 and 35/3, but no meetings conducted yet.

Annex 9 Issues from Prior Quarters

Issues first raised in QPR #4

Issue¹⁶ QPR4-1: Land Acquisition Cost Has Increased Dramatically

Land acquisition costs have risen dramatically since the estimates provided during appraisal for a variety of reasons explained in an assessment report prepared by the DSC. Even in the last few months land prices have increased given the payment of compensation to 1119 squatters who have suddenly exerted effective demand in the land market. With an estimated 7-8% of the polder population being physically relocated, such an effect is not unexpected. Additional budget must be allocated and the source(s) of financing must be agreed between the World Bank and the Government of Bangladesh.

The two basic options are increasing funding levels or keeping funding constant and shifting funds from areas with savings (not sufficient in itself) and by reducing the project scope. With respect to the reduction in scope, the DSC has proposed that polders 14/1 and 15 be dropped from CEIP-1 in any case. These two polders have been characterized as being somewhat inconsistent with the project development objectives since they are predominantly under shrimp production. This runs counter to the PDO of improving agricultural production by reducing saline water intrusion. It also means that the costly investment would be made in an area where smallholders and poor would not be the principal beneficiaries. Finally, it has been argued, that the very sustainability of the embankment will be in question as the shrimpers typically cut through embankments and install pipes at their base to admit the brackish water they need. These conduits are areas of increased erosion that lead to deterioration of the embankments over time.

PMU has submitted a preliminary proposal for re-appropriation of funds to the World Bank on 07 September 2016. This was followed by a video conference with the World Bank on 03 October 2016 and GoB submission on 01 November 2016 of a formal re-appropriation proposal to World Bank for their concurrence.

Recommendation: World Bank to consider and formally agree on the budget re-appropriation and financing to meet the increased land acquisition costs.

Issue QPR4-2: Delay in Signing of Contract for Works Package 02

Related to the issue above, it appears that the contract for Works Package 02 cannot be signed unless the budget for the entire value of the contract has been authorized, though it is understood that the actual funds need not be available immediately. Since the land acquisition costs for W-02 (combined with the already committed LA costs for W-01) exceed the total authorized budget for LA under CEIP-1, a formal agreement on reallocation of budget is required.

Recommendation: Same as above.

Issue QPR4-3: Relocation Planning and Assistance to be Improved

1119 non-titled EPs (squatters) have been compensated by September 2016 and they are preparing to vacate the project area. In fact, as of this writing, many of these households have started to move. More EPs will be compensated in the upcoming quarter. There is limited understanding of whether these PAHs have found reasonable accommodation and whether it is permanent or

¹⁶ We adopt a convention of numbering issues with the QPR number (in which quarterly report the issue was first raised) followed by the serial number.

temporary and whether it addresses the needs of the displaced. Presently, the Physical Relocation Assistance Committees are in the process of being formed.

With an eventual 15,000 households to be relocated including a large number of businesses, CEIP-1 has been characterized as having the largest displacement in the World Bank's current portfolio worldwide. It is well appreciated that not meeting the RAP objectives would put the project at risk. Everyone concerned is fully aware of the legal and ethical obligations. The DDSC&PMS Consultant is responsible to carefully review the RAP and ensure it is implemented fully and effectively.

Recommendations:

Several areas need to be strengthened:

1. The DDSC&PMS Consultants (through their RAP team) should develop a tally of each and every PAH as to where they are moving, whether temporary or permanent, etc. and this data should be vetted by the Consultants as to credibility and reasonableness. Post-move interviews should be conducted. More importantly, in the future, this information should be available before the move. It is understood that the RAP team has asked PAHs where they will move ahead of time, but this information must be assessed in some way to confirm these are not just statements provided without a concrete basis in order to simply get on with getting compensation.
2. PRAC should begin to function immediately and be given an orientation by DDSC&PMS Consultants and PMU's Senior Social Specialist as to their mandate and operation guidelines and some logistic support provided so they can execute their responsibilities. PRAC for Package 01 must be expedited. We must learn from this and make sure that the PRAC for Package 02 is operational before the resettlement process advances to relocation stage.
3. DDSC&PMS Consultant and the PRACs should monitor and report any cases where squatters are having difficulty identifying a place to relocate. This might occur given rising land prices and the elimination of the temporary relocation option which would have allowed return to the embankment after construction. Earlier, it was felt by the Project staff and EPs alike that the amount of compensation provided to squatters would be sufficient to allow them to purchase land. With the sudden increase in demand, this does not appear to always be the case. Land prices have increased dramatically, even in the last several months as compensation payments have been made by CEIP-1.
4. It would be better if EPs were informed in advance of the total estimated amount of compensation they are to receive under the entitlement framework specified by the RAP and not left to guess how much they will get until the day they receive their check. Such advance information would allow the EPs to know how much they have to work with when looking for a new place to live. It would allow them to be more informed to better evaluate and decide which relocation option to select and might allow them to make a rental or purchase deal before the prices spike again.

Issue QPR4-4: Livelihood Restoration Program Needs Attention 

There is no plan for the livelihood restoration program. Meanwhile, Project-Affected Households (PAH) are already preparing to vacate the project area. It is the policy of CEIP-1 that every PAH will have been provided adequate assistance so that they will be at least as well off as they were before relocation or resettlement. This means that payment of compensation according to the entitlement matrix is only a part of the requirement. The livelihood restoration program is needed to meet the social safeguard requirements.

Recommendation:

The DDCS&PMSC should develop a training program and oversee its implementation. The question of whether displaced PAHs (and especially the vulnerable) will be able to continue earning in the same way they have before and at comparable levels needs to be answered. A needs assessment must be conducted of each PAH, taking into account their skills, resources, risk tolerance, desires and business/livelihood opportunities at the sites/locations where they are relocating. Then a relevant training program (having relevant tailored content, sequencing of a series of topics, and refresher trainings) must be developed and delivered with outcome-based targets. The training should commence prior to relocation and continue afterwards.

Issue QPR4-5: PMU Team Needs Assistance

Complex engineering, contractual and financial matters require a great deal of PMU's effort and extensive consultation at senior levels. Urgent priorities must be and are being attended. Challenges exist such as delegation, communication, timeliness of actions, and especially work load.

Recommendation:

All the required PMU staff should be recruited. It should be noted that this is in process.

Issue QPR4-6: Environmental Monitoring Capability Must be Strengthened Further

The EIAs contain EMPs that are not easily digestible by the staff of the supervision consultants and the Contractor. However, in order for the contractor and consultant staff to implement the EMP, they must have a detailed understanding of its dictates as they schedule the work, plan the work methods and execute the works. They must also keep records according to specified formats and protocols. Training has been planned (and executed) for the Consultant and Contractor staff on 1-2 October 2016 and this is a good start. The Contractor has no Environmental Officer, but has deputed one Site Engineer per polder to carry the additional charge of environmental monitoring.

Recommendation:

As already stated by the DDCS&PMS Consultants, the environmental monitoring and mitigation training will involve a series of sessions. The first one in October was simple awareness-raising which is important and welcome, but the rest of the training program must be developed and implemented without delay since the construction season has commenced in late September. As already recommended by the DDCS&PMS Consultants, the Contractor should appoint at least one Environmental Officer and polder-wise environmental monitors should be in place that carry no other responsibility.

Issue QPR4-7 Preparation of CEIP-Phase 2 Should Commence Soon Given the Serious Need

The rationale for investment in polder improvements laid out in the appraisal document of CEIP-1 remains valid. Based on historical records of damage and losses and the ongoing erosion, subsidence and deterioration of other polders in the coastal areas of Bangladesh, the embankment improvement works are essential for many other polders. This is especially true considering the effects of climate change. Anecdotal evidence shows CEIP-1 activities and objectives enjoy strong support from polder residents. According to the IPOE, the GoB considers expansion of the CEIP effort a priority.

Recommendation: Since project preparation and appraisal takes a substantial amount of time and the need for embankment improvement in the coastal polders is apparent, it is recommended that the World Bank and GoB begin planning for the preparation of CEIP-2 as soon as practically possible.

Issues first raised in QPR #3

Issue QPR3-1: Security is a Growing Concern

The security situation in Bangladesh has not directly affected the works or services as of this time, but various embassies are advising their nationals to exercise judgment and caution for any travel within the country. The Contractor has actually suggested they wish to avoid erecting certain signboards at campsites so that the presence of foreigners is not so conspicuous. PD has written to the police in the project area and they have standing orders to accompany staff to the field when requested.

Recommendation: Security risks should continue to be monitored as they could constrain field activities of international staff. Consultants and Contractors may wish to develop and put in place a security plan for their Dhaka staff and field staff. Security detail provided by GoB may be considered to accompany staff on field visits, though this may actually draw attention so it may be left as an option to the traveler(s) whether he or she wishes to request such security.

Issue QPR3-2: Equipment Mobilized on Contract W-01 is Inadequate

There is no change in the numbers of equipment mobilized compared with the previous quarterly report. The equipment mobilized by the Contractor is less than 35% of the required equipment strength as per the Engineer's estimate early in 2016. With the need to catch up on progress, the actual equipment requirements are now undoubtedly higher. Numbers of excavators (14 of 49 estimated to be required), concrete mixing machines (7 of 26) and vessels (2 of 22) are especially inadequate. It should be noted that the Contractor has indeed commenced procurement of additional equipment including 13 bulldozers, 57 dump trucks, 27 excavators and 2 more CC block manufacturing machines. This will be helpful, but does not fully close the gap.

Recommendation: Given that the monsoon season precludes earthwork, the Contractor should use this season to fully equip its operation so that work can begin without delay and in earnest in October.

Issues first raised in QPR #2

Issue QPR2-1: Overall Reporting System Needs Attention and Improvement

The lack of clearly-organized and timely data makes analysis of progress difficult for PMU. Reporting from the Contractor and DDCS&PMS Consultants needs to be on time, more precise and measured against plan. Descriptions using terms such as "about", "some" or "many" should be avoided, with preference for precise numbers.

Recommendation: Reports should be submitted on time in order to be most useful and to allow the timely preparation of the consolidated QPR for the PMU, PSC and World Bank. It is essential that reports segregate current period accomplishments and activities from cumulative numbers and compare monthly/quarterly progress against monthly/quarterly plans. Explanations of deviations from plan should be provided. Aggregate numbers should be supported by tables in the annex giving details – for example, type of work and extent of progress by polder (with chainage-wise progress available if needed). The M&E Consultants and PMU have provided guidance on the content and presentation of reports and continue to work with the DDCS&PMS Consultants in a collegial manner.

Issue QPR2-2: DPP (GoB Authorizing Document) and Loan Agreement Amount Requires Amendment

The total value of works packages 01, 02 and 03 in the DPP amount to BDT 2156.6 crore. The first two packages combined (covering 10 of the 17 polders of CEIP-1) are currently estimated to require approximately BDT 1900 crore. This leaves an insufficient sum for the seven polders under works package 03. In addition, works package 02 contains a flood protection wall near an urban area and the reconstruction of a road that must be destroyed as it sits atop part of the embankment whose height must be raised. Neither of these items are in the current DPP.

While a DPP may be revised only twice over its life, it appears that there is no possibility to delay the first revision. Additional funds will be required and the DDCS&PMSC must provide an estimate of the likely works package 03 costs even though they are only in the very early stages of design. Without the authorizing DPP document, and World Bank concurrence, works package 03 will not be able to be tendered. Also, the additional works in Package 02 could be stalled.

Recommendation: A DPP revision should be prepared without delay capturing whatever changes are required. The PMU should continue to consult the World Bank. The DDCS&PMSC Consultants should provide an estimate of likely works package 03 costs.

Issue QPR2-3: JVS on Polder 35/1 and Land Valuation in Package 01 Appears Stalled

The DC has been occupied in important works and no progress has been made with respect to the Joint Verification Survey of Polder 35/1 during the quarter. Without the JVS completing its work, the final LAP cannot be prepared and compensation cannot be paid. Of critical importance is land valuation since the payment for land is also required prior to land being vacated to provide hindrance-free work sites for the Contractor.

LA issues may be associated with different levels of risk depending on situation of the land owners and the expected delay of approving and paying for land acquisition. Land owners losing their housing and possibly all of their agricultural lands would require higher attention. On the other hand landowners not losing housing and only a portion of their land may be able to await completion of land acquisition procedures, while conceding to vacate the portion of land required by the project. Also refer to Issue QPR1-4 where issues regarding the RAP were raised earlier. It should be noted that issues associated with the delay of the RAP process may very well cause overall delay of works execution, delay and cost claims of the contractor and overall delay and cost increase of the project. The current level of attention to the RAP process is far below the required level.

The delay of the RAP process is to be considered flagged red at this time.

Recommendation: Owner may request the DC to give priority to completing (i) the compensation rates for non-titled PAPs and thus enable updating of the RAP, payment calculations and issuance of checks by the PD, and (ii) the JVS of Polder 35/1. Further, the PD may request the DDCS&PMSC to undertake a specific risk assessment of each LA case and prepare a construction planning format and plan that includes LA and other resettlement risks.

Issue QPR2-4: There may not be a consistently systematic approach to document processing and control

It is not clear whether the DDCS&PMSC has pursued a systematic procedure to submitting technical reports as such had not been reflected in monthly reports and copies had not been provided to the

IPOE or the M&E consultant in a systematic manner. As a result reports may have been missed out in terms of technical verification and quality control.

Recommendation: Each survey or technical report needs submission through a formal process. Copy should be provided to IPOE and the M&E Consultant. A table of reports and review status should be provided by the DDCS&PMS Consultants at the end of every quarter.

Issue QPR2-5: Measure of physical progress needs to be developed

Currently, the S-curve presented in the DDCS&PMSC reports shows cumulative physical progress (actual versus planned) only in financial terms. De facto, this will always show physical progress ahead of financial disbursement and will not provide any alert as to potential cost overrun.

Recommendation: A weighting of physical progress is required, building up from the BOQ elements and not directly related to the cost of these items. Works Implementation Program should be built-up in modular format say for each 5 km section of construction with schedule and details of material requirements, equipment mobilization and schedule. A similar approach may be used for structures. The DDCS&PMS Consultants to propose an approach (this has been started) and meet with PMU and M&E Consultants to discuss and finalize.

Issue QPR2-6: Environmental Concerns may need attention – mitigation for fish migration

The EIAs of the project, under the "Fisheries Management" section of environmental mitigation approaches, correctly state:

- Sufficient free flow will have to be guaranteed in the design and construction work to ensure free passage of migrating fishes
- Hydraulic structures to be operated considering fish migration and spawning time
- An area specific hydraulic structure operation guideline should be developed

While there is time to develop plans for the operation of specific hydraulic structures, there is less time for developing a plan for ensuring construction work does not interfere with the free passage of migrating fishes. As for incorporating this concern into the design of the structures, the time is now, in case such is required.

Recommendation: DDCS&PMSC to study the question and inform their plans for satisfying the requirement for free passage of migrating fishes from three perspectives – 1) physical design; 2) construction work methods; 3) hydraulic structure operation guidelines. In addition, the question must be answered as to who (what agency) will practically ensure (and how) that fish spawning needs are looked after in the operational planning and decision-making with respect to water control structure operation.

Issue QPR2-7: Periodic Environmental Reports Required

PMU requires submission of Environmental Compliance Monitoring Reports and quarterly, semi-annual and annual environmental reports by the DDCS&PMS Consultants. To date, these have not been provided.

Recommendation: DDCS&PMS Consultants to prepare Environmental Compliance Monitoring Reports and quarterly, semi-annual and annual environmental reports. PMU to provide guidance on the content and format of these reports.

Issue QPR2-8: Recently Procured Project Vehicles Have Not Been Assigned to the Field

It is observed that none of the 11 project vehicles recently procured and delivered to the project have been allocated to the field. While currently the vehicles provided by the Contractor for PMU field staff appear to be adequate, the works have barely gotten underway. In addition, the Field Staff of the PMU are due to be increased in the next year.

Recommendation: There is a plan to procure a few more vehicles and it is recommended that these vehicles be made available to the implementation staff in the field offices as the field work will soon intensify.

Issue QPR2-9: Construction Supervision Systems to be Strengthened

Given the transition from Survey and Design Phase to Construction Supervision Phase, Construction Supervision Management Systems need to be put into place (or strengthened), including Quality Assurance System, Contract Supervision and Management, Daily Site Reporting Formats, Safety Manual, Safety training, Registration Formats for all Workers and ID system, Billing Formats and Procedures, Variation Management and Procedures, and training of DDSC&PMSC site supervisors and Contractor's Site Construction Managers, etc.

Recommendation: DDSC&PMS Consultants to continue to elaborate their systems and report on the status by type of system element in their monthly and quarterly reports.

Issue QPR2-10: Capacity Building and Independent Advice Needed for PMU/BWDB in FIDIC and Contract/Claims Management

The PMU staff, and BWDB more generally, are not conversant with FIDIC Conditions of Contract, Contract Management and Claims Avoidance/Management. While the Client is the Owner and Consultants have been hired to serve as Engineer, the Owner needs to understand the roles, authorities and responsibilities of each party in order to effectively manage the Project. Training may be provided and would be of great use given the upcoming award of two additional large construction contracts under CEIP-1. Currently, the PMU has no in-house expertise for advice on contract issues.

Recommendation: A short-course training in FIDIC, contract management and claims avoidance/management should be organized. The M&E Consultants can facilitate such a training provided the financial resources are made available. The DDSC&PMSC who also has the responsibility to provide project management support to the Client may be tapped for some capacity building on-the-job. With respect to advice on contract issues, the PMU should recruit an independent specialist for this purpose. The M&E Consultants could provide such expertise, as already discussed with the PD and the IPOE, with an amendment to the ToR and addition of required resources. Such expertise is available on the M&E Consultant's team and via Sheladia's home office.

Issues first raised in QPR #1

Issue QPR1-1: Physical Progress on Works Package W-01 is in danger of being delayed.

The Contractor for works package W-01 has been delayed in getting permanent works underway and has not submitted an acceptable work program. Equipment has been procured, but has not yet been released from the port (as of 29 February 2016). The construction season draws to a close by 30 April each year and few months remain within which to make progress this year.

Recommendation: Contractor should be encouraged to hire equipment until their own equipment is available. DDCS&PMSC should continue to apply whatever leverage it can as Engineer within FIDIC limits. For future packages, the Pre-Qualification criteria should be reviewed and possibly adjusted (for example, to better specify the meaning of experience in similar projects to include physical, logistic and complexity aspects relevant to the Bangladesh coastal zone) and past performance reference checks should be performed. Given the Client's desire to have works carried out simultaneously on all polders, the administration of the works would best be managed polder-wise, meaning that a deputy PM should be appointed by the Contractor for each polder. If it is not possible under Package W-01, then at least this arrangement should be required for future packages.

Issue QPR1-2: Contractor for Works Package W-01 has a limited ability to communicate due to language barrier.

Contractor has mobilized approximately 30 management, professional and sub-professional staff from China. Only the Project Manager can communicate in English and two others have some limited English-speaking ability. The remaining staff cannot communicate in English (or Bangla of course). The lack of English or Bangla speaking capability seriously hinders the ability of the Contractor to communicate with or understand the members of the communities, the laborers or project staff.

Recommendation: Contractor should be encouraged to bring in additional bilingual (Chinese-English) staff or make interpreters available. The Client may also allow the Contractor to bring in a qualified Bangladeshi contractor as a sub-Contractor to assist not only with works, but with communication and cultural understanding.

Issue QPR1-3: Procurement of Works Contractors by ICB has failed to attract broad international interest.

The IFB for Works Package 01 attracted several bids – all from a single country. Also, the bids are sometimes unrealistically low. Works Package 02 may be headed for a similar fate, although there appears to be interest from one or two contractors of one additional country this time.

The large size of the works packages may actually be inhibiting effective competition (Package W-01 is in the range of US\$100 m). With the great diversity of conditions found in a single package, the geographic dispersion of the polders (Package W-01 spans more than 200 kms which cannot be traversed in a single day) and the requirement for simultaneous works progress on all the polders in the package, the logistic and administrative challenges are great.

Recommendation: The IFB packages should be reviewed and modifications considered that would require English/Bengali language proficiency for at least 50% of professional staff (for example) rather than just for the Project Manager position as it stands now. Also, low price bids (those falling below a certain threshold in relation to the Engineer's estimate) should be eliminated from consideration.

The Client and World Bank may consider the option of issuing bid packages of 2-3 polders each for the remaining works. These would still be sizable contracts, but qualified and competent mid-sized to large-sized construction firms could all participate. Associations of international and national contractors may be encouraged to offer the Owner access to qualified contractors who can provide "best fit" approaches for the works, taking into account conditions in coastal Bangladesh. Transparency would not be sacrificed as the size of contracts would still be large, the independent

Procurement Panel would conduct the evaluation, and other safeguards described under the GAAP have been put in place.

Issue QPR1-4: LAP and RAP and the compensation payments must be expedited so that work sites can be handed over to the Contractor.

Progress of Resettlement is seen as the key risk factor. According to estimates detailed in Annex 6, another 6 months might elapse before resettlement activities required for works package 1 would be completed.

Package 01 RAP is still being updated as of the end of the 2nd Quarter (Oct-Dec 2015). Compensation payment of EPs depends on the final approval of applicable compensation rates. The determination and approval of compensation rates will be by a committee – PAVC. The RAP Team of DDCS&PMS Consultants report that the appointment of the members of the PAVC for the Khulna BWDB office has not been finalized. In addition, the Joint Verification Survey has been started, but needs an additional two months because the DC office staffs are deployed elsewhere for their urgent tasks.

The Contractor for Works Package W-02 will obviously focus its efforts on unencumbered sections of the embankments first, but it is important that resettlement not become a hindrance to construction progress.

Recommendation: Appointment of PAVC members must be completed quickly. PAVC must finalize the compensation rates for various types of losses without delay. Handing over of the sites to the contractor should be done in sections as areas become fully unencumbered. The DDCS&PMSC will have to maintain a calendar projecting when certain sections of the embankments will be free of hindrances to allow the Contractor to plan their works.

Issue QPR1-5: Recruitment of NGOs and Additional PMU Staff is to be phased in during the next two quarters.

While not an issue at the moment, it is clear that recruitment of several consultancies must be attended to on a priority basis. Among these is the consultancy service to Implement (a) social afforestation and (b) social action plan (incl. setting up WMOs) is needed in order to commence mangrove nursery work, provide livelihood restoration training for vulnerable PAHs and to organize and strengthen WMOs so that they may be consulted in the design and implementation of works.

Also needed are technical members of the Independent Panel of Experts (IPoE) and the specific needs should be identified, TORs adjusted if necessary, and recruitment undertaken.

During the Inception Workshop of the M&E Consultants, IPoE for Environment, Water Management and Polder Expert, Professor Ainun Nishat made an eloquent case for CEIP-1 to have a Contract Management/Claims/Legal Expert appointed to PMU “as lots of ‘Contract Management’ related issues will crop up as the construction work will progress”. Also, FIDIC training may be provided to select PMU staff and CEIP-1 Project Managers.

Recommendation: PMU to develop a time-bound plan for procurement/recruitment of these consultants and services that phases their arrival at the time required given CEIP-1 activities.

Issue QPR1-6: The M&E Consultants will be required to expend additional resources given the need for multiple baselines.

As described in the M&E Consultants' Inception Report, the foundation for impact evaluation is a properly designed baseline survey. Given that the project works have been organized into three packages with works likely to commence in early 2016 for package W-01, late 2016 for package W-02 and late 2017 for package W-03, a series of three baselines is highly recommended. Baseline surveys must be conducted just before works commence in order to accurately establish the pre-project conditions. This is especially true in the coastal polders since an intervening monsoon season can drastically alter physical, environmental and socio-economic conditions in the project area. In addition, the 17 polders span a great variety of conditions so conducting a baseline only on Package 1 polders and then relying on just Package 1 data for evaluation could produce misleading results.

Also, the case was presented for the addition of a Gender Specialist to the M&E Consultants' team and it was accepted in principle during the Inception Workshop.

Recommendation: The M&E Consultants to prepare a detailed justification for the additional resources required and submit to BWDB and World Bank for approval.

Issue QPR1-7: Reporting Formats of implementing partners do not consistently provide needed information.

The quarterly (and monthly) reporting formats of the Project implementing partners do not yet clearly identify/report on all project inputs, processes and outputs. The current quarterly report (the first) has been difficult to compile as a result and is to be considered a "work in progress".

Recommendation: The M&E Consultant will continue to work with the other consultants to develop a clear format for the reporting of all project inputs, processes and outputs.

Annex 10 List of DDCS&PMS Consultant Reports

Reports submitted

Sl No	Name of Reports Comments	Date	Draft or Final	Comments
Inception Report				
1.	Inception Report	22 March, 2015	Draft	
2.	Inception Report	6 May, 2015	Final	
Progress Reports				
3.	Progress Report Month of April, 2015	11 June, 2015	Final	
4.	Progress Report Month of May, 2015	28 June, 2015	Final	
5.	Progress Report Month of June, 2015	17 August, 2015	Final	
6.	Progress Report Month of July, 2015	26 August, 2015	Final	
7.	Progress Report Month of August, 2015	15 September, 2015	Final	
8.	Progress Report Month of September, 2015	10 November, 2015	Final	
9.	Progress Report Month of October, 2015	18 November, 2015	Final	
10.	Progress Report Month of November, 2015	23 December, 2015	Final	
11.	Progress Report Month of January, 2016	24 March, 2016	Final	
12.	Progress Report Month of February, 2016	16 April, 2016	Final	
13.	Progress Report Month of March, 2016	21 April, 2016	Final	
14.	Progress Report up to 17 April, 2016	18 April, 2016	Final	intermediate
15.	Progress Report Month of April, 2016	15 May, 2016	Final	
16.	Progress Report up to 26 May 2016	26 May, 2016	Final	intermediate
17.	Progress Report Month of May, 2016	14 June, 2016	Final	
18.	Progress Report Month of June, 2016	30 June, 2016	Final	
19.	Progress Report Month of July, 2016	13 August, 2016	Final	
20.	Progress Report Month of August, 2016	18 September, 2016	Final	
21.	Progress Report Month of September, 2016	17 October, 2016	Final	
22.	Progress Report Month of October, 2016	09 October, 2016	Final	
23.	Progress Report Month of November, 2016	14 December, 2016	Final	
Construction Progress Report (submitted by Contractor and not updated yet as per Consultants recommendations)				
24.	Construction Progress Report Month of February, 2016	13 April, 2016	Draft	
25.	Construction Progress Report Month of March, 2016	13 April, 2016	Draft	
26.	Construction Progress Report Month of April, 2016	25 May, 2016	Draft	
Annual Report				
27.	Annual Report Year of 2015	13 March, 2016	Final	
Design Report and Drawings				
28.	Design Report for Package-2	02 February, 2016	Draft Final	
29.	Design Report on River Bank Protection Works			
30.	Design Report for RBPW in Polder 32	12 January, 2016	Final	
31.	Design Report for RBPW in Polder 33	12 July 2015	Final	
32.	Design Report for RBPW in Polder 35/3	12 January, 2016	Final	
Environmental Impact Assessment (EIA)				
33.	EIA Report of Polder 39/2C	14 January, 2016	Draft Final	
34.	EIA Report of Polder 39/2C	23 February, 2016	Final	
35.	EIA Report of Polder 40/2	24 March, 2016	Draft Final	

SI No	Name of Reports	Comments	Date	Draft or Final	Comments
36.	EIA Report of Polder 40/2		24 May, 2016	Draft Final	
37.	EIA Report of Polder 41/1		19 March, 2016	Draft Final	
38.	EIA Report of Polder 41/1		30 March, 2016	Draft Final	
39.	EIA Report of Polder 39/2C		23 Aug, 2016	Final	Being revised
40.	EIA Report of Polder 40/2		03 Sep, 2016	Final	Being revised
41.	EIA Report of Polder 41/1		04 Sep, 2016	Final	Being revised
42.	EIA Report of Polder 43/2C		30 Sep, 2016	Final	Being revised
43.	EIA Report of Polder 47/2		26 Dec, 2016	Final	Being revised
LAP/RAP Reports					
44.	In the period February 2015 up to August 2016, various LAP/RAP reports have been prepared and submitted.		Various	Draft Finals	
45.	Resettlement Action Plan (RAP) for Pacakge-2		23 August, 2016	Final	
Mathematical Modelling Reports					
46.	In the period February 2015 up to August 2016 various reports on the mathematical modelling have been prepared and submitted.		Various	Draft Finals	
Field visit reports					
47.	In the period February 2015 up to July, 2016 various visit reports have been prepared and submitted.		Various	Finals	
Memo's on specific subjects					
48.	In the period February 2015 up to August 2016 various Memo's with a special subject have been prepared and submitted.		Various	Finals	
Minutes of Meetings					
49.	In the period February 2015 up to June 2016 various MoM's have been prepared and submitted.		Various		
Relocation Plan					
50.	Strategy and Action Plan for Permanent Relocation of Displaced Squatters and Other Entities at Polders under Package-1		27 August, 2016	Final	
Payment Modality Report					
51.	Payment Modality of Compensation to the Entitled Persons		14 August, 2016	Final	
