

PROJECT COMPLETION REPORT(PCR) :
IMED 04/2003 (Revised)

Environmental Impact Assessment (EIA) study of different BWDB projects to be implemented under Climate Change Trust Fund (CCTF).

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Government of the People's Republic of Bangladesh

Government of the People's Republic of Bangladesh
Ministry of Planning
Implementation Monitoring and Evaluation Division

PROJECT COMPLETION REPORT : IMED 04/2003 (Revised)

A. PROJECT DESCRIPTION :

01. Name of the Project : Environmental Impact Assessment (EIA) study of different BWDB projects to be implemented under Climate Change Trust Fund (CCTF).
02. Administrative Ministry/Division : Ministry of Water Resources
03. Executing Agency : Bangladesh Water Development Board
04. Location of the Project : All over Bangladesh
05. Objective of the Project :
- Objective of EIA studies are to ensure sustainable development of the projects. The EIA ensure to involve beneficiaries in the project conceptualization, planning and Implementaion. The main objectives of EIA study are:
- To provide a consistent and common basis for the application of EIA to protect environment by ensuring that the project is environmentally sound.
 - To assist EIA practitioners in identifying, quantifying and evaluating the protential environmental consequences of FCD/FCDI so that the impacts of the projects are highlighted and the project design can be altered or management measure can be developed to enhance positive impacts and lesson or alleviate negative impacts.
 - To ensure that all development with full consideration for economic and environmental optimization and for a long –term sustainability of environmental resourceconservation.
 - On the basis of the above objectives, the scope of the work of the EIA study included :
 - i) Collection of information on the interventions proposed for the project,
 - ii) Establishment of Ebvironmental and social baseline condition by collecting data from secondary and primary sources;
 - iii) Selection of important environmental and social components (IESCs).likely to be implemented by the project;
 - iv) Prediction of impacts of the proposed interventions on the IESCs;
 - v) Preparation of an environmental management plan including mitigation measures for negative impacts, enhancement measures for positive impacts and an environmental monitoring plan;and
 - vi) Public consultation at all stages of the EIA study.

06. Estimated Cost

(In lakh Taka)

	Original	Latest Revised
(a) Total	199.16	199.16
(b) Taka	199.16	199.16
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07.

Date of Approval	:	PCP/PSP	PP
(a) Original	:	Date : 29-11-2012 Vide memo no: পাসম ৪২.০০.০০০০.০৩৯.১৪.০২৩.১২.৩২৭	
(b) Latest Revised	:	Date : 12-11-2013 Vide memo no: পাসম ৪২.০০.০০০০.০৩৯. ১৪.০২৩.-১২-২৬৯	

08. Implementation Period

	Date of Commencement	Date of Completion
(a) Original	October,2012	December,2013
(b) Latest Revised	October,2012	June,2014
(c) Actual	October,2012	June,2014

09. Financing Arrangement (Source-wise):

9.1 Status of Loan/Grant

a) Foreign Financing : Not Applicable

Source (s)	Currency as per Agreement	Amount in US \$ (Million)	Nature (Loan/Grant/ supplier's/ credit)	Date of Agreement	Date of Effective -ness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8

b) GOB :

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
199.16	-	199.16	-

9.2 Utilization of Project Aid/Grant : Not applicable

(In million)

Source(s)	Total Amount		Actual Expenditure		Unutilized Amount	
	In US \$	In Local Currency	In US \$	In Local Currency	In US \$	In Local Currency
1	2	3	4	5	6	7

9.3 Re-imbursible Project Aid (RPA): Not Applicable

R P A Amount		Amount Spent	Amount Claimed	(In lakh Taka)	
As per PP	As per Agreement			Amount Re-imbursed	Remarks
1	2	3	4	5	6

B. IMPLEMENTATION POSITION

01. Implementation Period :

Implementation Period as per PP		Actual Implementation period	Time Over-run (% of original implementation period)	Remarks
Original	Latest Revised			
1	2	3	4	5
October,2012-December,2013	October,2012-June,2014	October,2012-June,2014		

02. Cost of the Project :

Description	Estimated Cost		Actual expenditure	Cost over-run (% of original cost)	Remarks
	Original	Latest revised			
1	2	3	4	5	6
TOTAL	199.16	199.16	198.46	N/A	-
TAKA	199.16	199.16	198.46	-	-
PA	-	-	-	-	-

03. Project Personnel: (As per PSP)

Sanctioned strength as per PP/PSP	Manpower employed during execution	Status of the existing manpower			Manpower Employed	
		Manpower requirement for O&M as per pp	Existing manpower for O & M	Others		
1	2	3	4	5	Male	Female
Officer (s)	11	-	-	-	99 m.m	-
Staff(s)	04	-	-	-		-
Total :	15	-	-	-	99 m.m	-

04. Training of Project Personnel (Foreign/Local) : Not Applicable

Field of Training /Study tour/workshop/Seminer etc.	Provision as per PP		Actual		Remarks
	No of person	Man months	No of person	Man months	
1	2	3	4	5	6

a. Foreign : N/A

b. Local : N/A

05. Component-wise Progress (As per latest approved PP/PSP) :

Items of work (as per PP/PSP)		Unit	Target (as per PP/PSP)		Actual Progress		Reasons for deviation (±)
			Financial	Physical (Quantity)	Financial	Physical (Quantity)	
Sl	1	2	3	4	5	6	7
1.	Consultancy (4874) :	m.m	194.26	100 %	194.25	100 %	
2.	TA/DA of BWDB personnel (4801)	1 Item	1.00	1s	0.99	1s	
3.	Contingency (4795)	1 Item	0.40	1s	0.00	-	Amount is not utilised
4.	Stationary for BWDB (4828)	1 Item	1.00	1s	1.00	1s	
5.	Maintanance of Vehicle (4801)	1 Item	2.50	1s	2.22	1s	*
	Toatal (1-5)		199.16		198.46		

* As per IMED-05 report on June, 2014 , the total expenditure up to june,2014 is shown 198.59 lakh taka. Which was given according to bills were submitted to accounts Directorat. But after examination accounts Directorate did not clear a amount of Tk .13 lakh (thirteen thousands) against code no 4801. So there is a little variation of tk 0.13 lakh (thirteen thousands) only. Hence the total expenditure is 198.46 lakh taka.

06. Information regarding Project Director (s) :

Name & Designation with pay Scale.	Full time	Part time	Responsible for more than one project	Date of		Remarks
				Joining	Transfer	
1	2	3	4	5	6	7
Md.Abdur Rahman Akhanda Director 25750-1000X8-33750	-	Yes	Yes	04-10-2012	-	The Project Director is the Team Leader stationed at Head quarter office in Dhaka.

07. Procurement of Transport (in Nos.) : Nil

Type of transport	Number as per P.P.	Procured with date	Transferred to Transport Pool with date	Transferred to O & M with date	Condemned/damaged with date	Remarks
1	2	3	4	5	6	7
Car						
Jeep						
Microbus						
Minibus						
Bus						
Pick-up						
Truck						
Motor Cycle						
By-cycle						
Speed Boat						
Launch						
Others with name						

08. Procurement of Goods, Works and Consultancy Services:

08.1 Goods & Works of the Project costing above Tk. 200.00 lakh and Consultancy above Tk. 100.00 lakh :

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Proposal Cost (in crore Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP/PS P	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Consultancy service for "Environmental Impact Assessment (EIA) study of different BWDB projects to be implemented under Climate Change Trust Fund (CCTF)". Consultant: Center For Environmental and Geographic Information Services (CEGIS)	194.26	194.25	28/1/2013	5/3/2013	4/1/1014	4/1/1014

a) Foreign : Not Applicable

b) Local : 15 persons, 99 man months

Sl.	Name of the Field	Approved man month		Actual man month utilised	Remarks
		As per PP	As per contract		
	1	2	3	4	5
1.	Water Resources Engineer/Team Leader	9	9	9	
2.	Environmentalist	18	18	18	
3.	Socio Economist	12	12	12	
4.	Soil & Agriculture Specialist	12	12	12	
5.	GIS/RS Specialist	12	12	12	
6.	Feseries Specialist	12	12	12	
7.	Field Researcher	24	24	24	
		99.00	99.00	99.00	

09. Construction/Erection/Installation Tools & Equipment : Not Applicable

Description of items	Quantity (as per PP)	Quantity procured with date	Transferred to O & M with date	Disposed off as per rule with date	Balance	Remarks
1	2	3	4	5	6	7

C. FINANCIAL AND PHYSICAL PROGRAMME :

01. (a) Original and revised schedule as per PP/PSP :

(In lakh Taka)

Financial Year	Financial provision & physical target as per original PP/PSP				Financial provision & physical target as per latest revised PP/PSP			
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9
2012-2013	100.00	100.00	-	50 %	100.00	100.00	-	50 %
2013-2014	99.16	99.16	-	50 %	99.16	99.16	-	50 %

01. (b) Revised ADP allocation and progress :

(In lakh Taka)

Financial Year	Revised Allocation & target				Taka release	Expenditure & physical progress			
	Total	Taka	P.A.	Physical %		Total	Taka	P.A.	Physical %
1	2	3	4	5	6	7	8	9	10
2012-2013	100.00	100.00	-	50 %	100.00	99.89	99.89	-	50 %
2013-2014	99.00	99.00	-	50 %	99.00	98.57	98.57	-	50 %

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT /STUDY:

Objectives as per PP/PSP	Actual achievement	Reasons for shortfall, if any
To provide a consistent and common basis for the application of EIA to protect environment by ensuring that the project is environmentally sound.	The study is done to find out environment impacts of proposed interventions and accordingly immigration measures are recommended in the study report.	Does not arise
To assist EIA practitioners in identifying, quantifying and evaluating the potential environmental consequences of FCD/FCDI so that the impacts of the projects are highlighted and the project design can be altered or management measure can be developed to enhance positive impacts and lesson or alleviate negative impacts.	In the study the potential environmental consequences of proposed interventions are highlighted and management measures are recommended.	Does not arise
To ensure that all development with full consideration for economic and environmental optimization and for a long-term sustainability of environmental resource conservation.	For a long-term sustainability of environmental resources in the project area, Important Environmental and Social Components (IECSs) are individually selected. And environmental management plans including mitigation measures for negative are suggested.	Does not arise

E. BENEFIT ANALYSIS

01. Annual Out-put: Since it is an Environmental Impact Assessment (EIA) study project so, according to TOR, the study has analysed Environmental Impacts on the projects considering the proposed interventions.

Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-put during the 1st year of operation at full capacity (or during, real production for newly completed project).
(a) Incremental Agricultural Benefit.			
(b)			
(c)			
(d)			

02. Cost / Benefit : Since it is an Environmental Impact Assessment (EIA) study project so, according to TOR, the study has analysed on Environmental Impacts on the projects only.

Item	Estimated	Actual
(1) Benefit cost ratio of the project (i) Financial (ii) Economic		The study has analysed on Environmental Impact .
(2) Internal Rate of Return (i) Financial (ii) Economic		
(3) Net present value (i) Financial (ii) Economic		

02. Please give reasons for shortfall, if any, between the estimated and actual benefit:

There are no reasons araised.



F. MONITORING AND AUDITING

0.1 Monitoring: Since it is a Study project so, monitoring is not being done at this stage. Monitoring will be done during implementation period of the projects.

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4

(a) Ministry / Agency:

(b) IMED :

(c) Others: (Please specify)

0.2. Auditing during and after Implementation: Since it is a Study project so, auditing is not being done at this stage.

2.1. Internal Audit: N/A

Period of Audit	Date of submission of Audit Report	Major findings/ objections	Whether objections Resolved or not.
1	2	3	4

2.2. External Audit: N/A

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections Resolved or not.
1	2	3	4



G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project:

1.1 Background

Bangladesh experiences frequent natural disasters, loss of life, damage to infrastructure and other economic assets, which adversely impact lives and livelihoods, especially of the poor people. Different regions of the country are affected differently by various natural hazards. Climate change is expected to exacerbate many of the current problems and natural hazards that Bangladesh faces.

Given Bangladesh's vulnerability to climate change, its protracted experience in dealing with natural disasters, its commitment to mainstream climate change in development policies and planning, the Government of Bangladesh has decided to finance climate change adaptation initiatives from its own revenue income as Climate Change Trust Fund (CCTF) for implementing the projects on climate change adaptation and mitigation as identified in the BCCSAP.

As a leading Ministry for management of CCTF, Ministry of Environment and Forest (MoEF) circulated an open tender for climate change mitigation and adaptation projects from different government and non-government organizations. In response to that, Bangladesh Water Development Board (BWDB) has submitted 230 project proposals for climate fund.

So far, 34 projects of different categories have been approved for implementation which are in pipeline for implementation. The main objective of these projects is to improve flood control and drainage system of the vulnerable areas in different parts of Bangladesh. It would also provide irrigation facilities, improve communication and facilitate removal of drainage congestion and check salinity in some of the already completed projects so as to make the system effective against climate change.

Since BWDB has been playing a key role for saving peoples' lives and properties from different catastrophic disasters, it has become the largest receiver of climate fund. Due to urgency and time bound project, there has been a pressure from stakeholders for urgent implementation of these projects. But, it was decided in the inter-ministerial meeting of CCTF held on 22 February, 2012 at Ministry of Environment & Forest Ministry chaired by Honorable Water Minister Ramesh Chandra Sen that the Environmental Impact Assessment (EIA)/ Environmental Management Plan (EMP) of these projects must be carried out before they go into the implementation phase. It may be mentioned here that in the Environmental Legislation, 1997 of the GoB, construction/ reconstruction/ extension of all flood control embankment, polder, dyke etc. have been put under the "red" category making Environmental Impact Assessment (EIA) mandatory for all types of water development projects.

As per instruction from the Ministry of Water Resources, Bangladesh Water Development Board has conducted EIA for 30(thirty) numbers of projects in a priority basis in the first phase. As the projects are relatively smaller in size, the EIA study of these 30 projects have been combined into a single study project as "Environmental Impact Assessment (EIA) study of different BWDB projects to be implemented under Climate Change Trust Fund (CCTF)". Now, BWDB is going for conducting EIA of a number of projects to be implemented under CCTF as the second phase.



Therefore, the Proforma for Study Proposal (PSP) for the project “Environmental Impact Assessment (EIA) study of different BWDB projects to be implemented under Climate Change Trust Fund (CCTF)” was approved by the Ministry of Water Resources vide memo no.: 42.00.0000.039.14.023.12-327, Dated: 29 November, 2012. The PSP was later revised by the Ministry of Water Resources vide memo no.: 42.00.0000.039.014.023.12-269, Dated: 12 November, 2013.

1.2 Justification/Adequacy

1.0 Needs and Justification

Bangladesh experiences frequent natural disasters, loss of life, damage to infrastructure and other economic assets, which adversely impacts lives and livelihoods, especially of the poor people. Different regions of the country are affected differently by various natural hazards. Climate change is expected to exacerbate many of the current problems and natural hazards that Bangladesh faces.

Given Bangladesh’s vulnerability to climate change, its protracted experience in dealing with natural disasters, its commitment to mainstream climate change in development policies and planning, the Government of Bangladesh has decided to finance climate change adaptation initiatives from its own revenue income as Climate Change Trust Fund (CCTF) for implementing the projects on climate change adaptation and mitigation as identified in the BCCSAP.

As a leading Ministry for management of CCTF, Ministry of Environment and Forest (MoEF) circulated an open tender for climate change mitigation and adaptation projects from different government and non-government organizations. In response to that, Bangladesh Water Development Board (BWDB) has submitted 140 project proposals for climate fund.

It may be mentioned here that in the Environmental Legislation, 1997 of the GoB, construction/reconstruction/ extension of all flood control embankment, polder, dyke etc. have been put under the “red” category making Environmental Impact Assessment (EIA) mandatory for all types of water development projects. Also, it was decided in the inter-ministerial meeting of CCTF held on 22 February, 2012 at Ministry of Environment & Forest Ministry chaired by Honorable Water Minister Ramesh Chandra Sen that the Environmental Impact Assessment (EIA)/ Environmental Management Plan (EMP) of these projects must be carried out before they go into the implementation phase.

Though the projects are relatively smaller in sizes, BWDB has therefore conducted EIA for 30 (thirty) numbers of projects in a priority basis under a single study project titled “Environmental Impact Assessment (EIA) study of different BWDB projects to be implemented under Climate Change Trust Fund (CCTF)”

1.3 Objectives

The main objectives of EIA study are as follows:

- To provide a consistent and common basis for the application of EIA to protect environment by ensuring that the project is environmentally sound.



- To assist EIA practitioners in identifying, quantifying and evaluating the potential environmental consequences of FCD/FCDI so that the impacts of the projects are highlighted and the project design can be altered or management measure can be developed to enhance positive impacts and lesson or alleviate negative impacts.
- To ensure that all development with full consideration for economic and environmental optimization and for a long –term sustainability of environmental resourceconservation.

1.4 Project revision with reasons

Original PSP: October,2012 - December, 2011	
Revised PSP : October,2012- June,2014	Time Extended without cost Increase.

2.Rationale of the project in respect of Concept, Design, Location and Timing. :

Bangladesh experiences frequent natural disasters, loss of life, damage to infrastructure and other economic assets, which adversely impacts lives and livelihoods, especially of the poor people. Different regions of the country are affected differently by various natural hazards. Climate change is expected to aggravate many of the current problems and natural hazards that Bangladesh faces.

As a leading Ministry for management of CCTF, Ministry of Environment and Forest (MoEF) circulated an open tender for climate change mitigation and adaptation projects from different government and non-government organizations. In response to that, Bangladesh Water Development Board (BWDB) has submitted 140 project proposals for climate fund. EIA is mandatory for almost all types of water development project, therefore BWDB projects to be implemented under CCTF required EIA. Though the projects are relatively smaller in sizes, BWDB prepared a single study project titled “Environmental Impact Assessment (EIA) study of different BWDB projects to be implemented under Climate Change Trust Fund (CCTF)”EIA for 30 (thirty) numbers of projects in a priority basis to be implemented under CCTF.

The guideline for EIA of water sector projects developed by WARPO in 2002 for conducting the EIA of the projects. ToR for EIA is approved by Ministry of Environment and Forest before carrying out the EIA.The location of 30 projects located all over Bangladesh. Majority of the projects located in the coastal areas of Bangladesh because coastal areas are most vulnerable to climate change. The duration of the study project was from October 2012 to June 2014.



3. Brief description on planning and financing of the project and its applicability.

- ♦ Project Identification
- ♦ Project Preparation
- ♦ Appraisal
- ♦ Credit Negotiation
- ♦ Credit Agreement
- ♦ Credit Effectiveness
- ♦ Loan Disbursement
- ♦ Loan Conditionalities
- ♦ Project Approval.
- ♦ Others (if any).

Applicable For Investment Project

4. Analysis of the Post-Implementation situation and result of the project :

4.1	Whether the beneficiaries of the project have clear knowledge about the Target/ Objectives of the project.	Yes, the beneficiaries have a clear knowledge about the Target/ Objectives of the project.
4.2	Programme for use of created facilities of the project.	Environmental Management Plan (EMP) suggested in the EIA report will be followed during implementation of the project.
4.3	O & M programme of the project.	Environmental Management Plan (EMP) suggested in the EIA report will be followed during O & M of the project.
4.4	Impact of the project - 4.4.1 Direct	EIA report with Environmental Management Plan (EMP) for to be implemented under CCTF. These reports will be used to get Environmental Clearance Certificate from Department of Environment. These EIA reports will also be followed during implementation of the projects.
	4.4.2 Indirect	Ensure sustainable environment, Mitigation of the impact of Climate change effect, Income generation and improve of Socio-economic condition.
4.5	Transfer of Technology and Institutional Building through the project	EIA report with Environmental Management Plan (EMP).
4.6	Employment generation through the project.	Mentioned in EIA report

4.7	Possibility of Self employment.	Mentioned in EIA report
4.8	Possibility of women-employment opportunity.	Mentioned in EIA report
4.9	Women's participation in development.	Mentioned in EIA report
4.10	Probable Impact on Socio-Economic activity.	Mentioned in EIA report
4.11	Impact on environment.	Mentioned in EIA report
4.12	Sustainability of the project.	Projects will be sustainable if EMP mentioned in the EIA is followed.
4.13	Contribution to poverty alleviation/reduction	Mentioned in EIA report
4.14	Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.	The study recommended to implement the project
4.15	Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities.	Not related

5. Problems encountered during Implementation (with duration & steps taken to remove those):

5.1	Project Management	5.12	Project aid disbursement and re-imbursment
5.2	Project Director	5.13	Mission of the development partners.
5.3	Land Acquisition	5.14	Time & Cost Over-run
5.4	Procurement	5.15	Project Supervision/Inspection
5.5	Consultancy	5.16	Delay in Decision
5.6	Contractor	5.17	Transport
5.7	Manpower	5.18	Training
5.8	law & Order	5.19	Approval
5.9	Natural calamity	5.20	Others.
5.10	Project financing, allocation and release.		
5.11	Design formulation/approval		

6. Remarks & Recommendations of the Project Director :

Environmental Impact Assessment (EIA) study of different BWDB projects are to be implemented under Climate Change Trust Fund (CCTF). The project has completed in due time. It is recommended that the project should be implemented following the EMP (Environmental Management plan) mentioned in the EIA study report to achieve the desired objectives.

Date : 27.08.2014

Signature and seal of the
Project Director/Manager

7. Remarks/Comments of Agency Head

(Md. Abdur Rahman Akhanda)
Director
Planning-1, BWDB,
Dhaka.

It is recommended that the CCTF project should be implemented following the EMP (Environmental Management Plan) as mentioned in the EIA study report to achieve the desired objective.

Date : 28-09-2014

Signature and Seal

(Md. Shahidur Rahman)
Director General
BWDB, Dhaka.

8. Remarks/Comments of the officer in- charge of the Ministry/Division

Date :

Signature and Seal