2008-09 Norsc. No. 20

22 pl

Government of the People's Republic of Bangladesh Ministry of Planning Implementation Monitoring & evaluation Division

PROJECT COMPLETION REPORT: IMED-04/2001 REVISED

A. PROJECT DESCRIPTION:

61. Name of the Project

: Bemorta Project at Bagerhat Sadar & Kachua Upazilla in

Bagerhat

District.

02. Administrative Ministry/Division

: MoFL / -

03. Executing Agency

: BWDB

04. Location of the Project

: Bagerhat District

05. Objective of the Project

- Protection of Agricultural land & homesteads from saline water intrusion.
- Provide flood protection to the project area.
- Improvement of drainage congestion.
- Increase crop production by irritation
- To restore ecological balance.
- Use khal (after excavation/re-excavation) as a reservoir to provide irrigation facilities in dry season.

The Main objective of the project is to protect agricultural land in Bagerhat Sadar and Kachua Upazilla under Bagerhat district from saline water intrusion, flood protection, drainage inprovement with irrigation facilities. The gross project area is 3900 ha. the net benefited area is 3120 ha.

06. Estimated Cost

(In lakh Taka)

	Original	· Latest Revised
(a) Total	1000.62	
(b) Taka	1	
(c) Foreign Currency		
(d) Project Aid		3
(e) RPA		

 07.
 Date of Approval
 :
 PCP
 PP

 (a) Original
 :
 25.05.2005

(b) Latest Revised :

09.05.2007

08 Implementation Period

	Date of Commencement	Date of Completion
(a) Original	01.07.2005	30.06.2007
(b) Latest Revised	01.07.2005	30.06.2009
(c) Actual	09.11.2006	30.06.2009

Financing Arrangement (Source-wise):

9.1 Status of Loan/Grant

(a) Foreign financing:

Source (s)	Currency as	Amount in	Nature	Date of	Date of	Date of	closing
Source (s)	per Agreement	US \$ (Million)	(Loan/Grant/su pplier's/credit)	Agreement	Effectivenes s	Original	Revised
1	2	3	4	5	6	7	8

b) GOB:

(Taka in lakh)

Total amount	Loan	Grant	Cash foreign Exchange
1	2	3	4
1000.62		1000.62	- *

9.2 Utilization of Project Aid: (source wise)

(In million)

Source (s)	Total /	Total Amount		Actual Expenditure		Unutilized Amount	
Source (3)	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):

(Taka in Lakh)

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

B. IMPLEMENTATION POSITION

01. Implementation Period:

Implementation	Implementation Period as per PP		Time Over-run (% of	Remarks
Original	Latest Revised	Implementation Period	original implementation Period)	
1	2	3	4	5
2005-2006 to 2006-2007	2005-2006 to 2008-2009	2006-2007 to 2008-2009	100%	

02. Cost of the Project:

(Taka in lakh)

Description	Estimat	ed Cost	Actual expenditure	Time Over-run	Remarks	
	Original	Latest Revised		(% of original cost)		
1	2	3	4	5	6	
TOTAL	1000.62		773.26			
TAKA						
RPA					*	

03. Project Personnel:

Sanctioned	Manpower	Status of the exi	Manpower			
strength as per PP	employed during execution	Manpower requirement for O&M as per PP	Existing Manpower for O&M	Others	emp	loyed
1	2	3	4	5	Male	Female
Officer (s)	- -	As per existing setup of existing officer & staff of Khulna O&M Circle	6		-	-
Staff (s)	-		4			-
Total:	-		10	-	-	_

04. Training of Project Personnel (Foreign/Local):

	Toject resemblication			1	D
Field of	Provision a	as per PP	Acti	ıaı	Remarks
Training/Study/tour /workshop/seminar	Number of person	Man-months	Number of person	Man-months	
etc.					
1	2	3	4	5	6
Foreign	2 -*	-		-	
Local	-	-	-	-	

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

(In lakh Taka)

							(III lakii laka)
. 5	Items of work (as per PP)		Target (a	s per PP)	Actual -	Progress	Reasons for deviation (±)
	, , , ,		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
	1	2	3	4	5	6	7
Α.	i) Land acquisition	hac.	173.00	36.10 hac.	172.25	21.80 hac.	Due to shortage of fund rest 14.30 hac. of land could not be acquired.
B.	Construction works						
	i) Embankment construction	km	180.00	18.00 km	124.53	10.63 km	-
	ii) Khal Excavation/re-excavation	km	27.05	5.50 km	12.14	5.50 km	
	iii) Drainage/Flushing Regulator	No.	350.00	4 Nos	320.00	3 Nos	, 4
	iv) Flushing/Drainage Outlet	No.	84.00	6 Nos	68.49	6 Nos	
	v) Construction of Closure	No.	110.00	4 Nos	60.75	2 Nos	
	vi) O&M during constructions	item					
C.	Machinery & Equipment i) Purchase of Survey equipment, Photocopier & Computer with printer. Transport Vehicle	No.	3.00	3 Nos	3.00	3 Nos	# *
_	i) O&M of vehicle (including fuel)	item	3.00	1 item	3.00	1 item	- /
E.	Other Costs						ŕ
	i) Survey & Investigation	item	3.00	1 item	3.00	1 item	F
	ii) Over head cost	L.S	60.07	L.S	0.00	-	<u>-</u>
	iii) Contingency	L.S	7.50	L.S	6.10	81.33%	- "
	Total		1000.62	•	773.26	77.28%	

06. Information regarding Project Director (s):

Name & Designation with pay	Full time	Part time	Responsible	Dat	te of	Remarks
Scale			for more than one project	Joining	Transfer	
1	2	3	4	5	6	7
1. Md. Abdul Quddus XEN, Bagerhat O&M Division. BWDB, Bagerhat & Project Director, Bemorta Project. 13750-550X10-19250	Full time		no	05.04.2003	23.08.2007	
2. Md. Abdur Razzaque XEN, Bagerhat O&M Division. BWDB, Bagerhat & Project Director, Bemorta Project. 13750-550X10-19250	Full time		no .	23.08.2007		

07. Procurement of transport (in Nos.)

Name and Address of the Party o	ement of transport		T =			
Type of	Number as per	Procured with	Transferred to	Transferred to	Condemned /	Remarks
transport	PP	date	Transport Pool	O&M with	damaged with	
			with date	date	date	
1	2	3	4	5	6	7
Car	-	-	-	-	-	
Jeep	-	-	-	-	-	,
Microbus	-		-		-	
Minibus	-	-	-	٠.	- "	
Bus	-	-	-	-		
Pick-up	-	-	-	-	-	
Truck	-	•	-	-	1 =	
Motor Cycle	=	-	-	=	.=	
By-cycle	-	-	-	-	-	
Speed Boat	-	-	.=.	-	-	
Launch	-	-	-	Ξ	=	
Others with	-	-	: - .	=	-	
name				id st		

Procurement of Goods, works and consultancy services:

8.1 Goods & Works of the Project costing above tk. 100.00 lakh. and Consultancy above Tk. 50.00 lach:

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	
document	As per PP	contracte d value	Invitatio n date	Contract signing/L.C opening date	As per contract	Actual -
	2	3	4	. 5	6	7
1. Construction of New Embankment from km. 0,000 to 4,000 = 4,000 km in Bemorta Project (Package No. 12/07-08)	40.447	20.9223	Nov/07	Jan/08	12.01.08	28.06.09
2. Construction of New Embankment from km. 8,000 to 11,190 = 3,190 km in Bemorta Project (Package No. 14/07-08)	32.1794	29.0038	Nov/07	Jan/08	12.01.08	28.06.09
3. Construction of New Embankment from km. 11.245 to 14.755 = 3.510 km in Bemorta Project (Package No. 15/07-08)	34.9926	31.1915	Nov/07	Jan/08	12.01.08	28.06.09
4. Construction of New Embankment from km. 14.820 to 18.000 = 3.180 km in Bemorta Project (Package No. 15/07-08)	32.9394	23.3901	Nov/07	Jan/08	12.01.08	28.06.09
5. Excavation Mondoler khal from km. 0.095 to km. 1.395 = 1.30 & Boysinger Khal from km. 0.090 to 1.390 = 1.300 (Package no. 10/07-08.	6.4985	6.4985	Nov/07	Dec/07	31.12.07	14.04.08
6. Excavation Gosher khal from km. 0.075 to km. 1.510 = 1.435 & Tengramari Khal from km. 0.065 to 1.530 = 1.465 (Package no. 10/07-08.	5.7276	5.7276	Nov/07	Dec/07	31.12.07	14.04.08
7. Construction of Flushing Out-let (1-0.90 m dia over Mondolar khal) in Bemorta Project package no. 01/04 (06-07)	7.5813	7.5813	Sep/06	Dec/06	19.12.06	28.0407

8. Construction of Flushing Out-let (1-0.90 m dia over Boysinger khal) in Bemorta Project package no. 01/05 (06-07)	7.5465	7.5465	Sep/06	Dec/06	19.12.06	28.0407
 Construction of Flushing Out-let (1-0.90 m dia over Gosher khal & Tengramari khal) in Bemorta Project package no. 01/05 (06-07) 	15.1901	15,1901	Sep/06	Dec/06	19.12.06	28.0407
10. Construction of Flushing Out-let (2-0.90 m dia over Joygachi khal) in Bemorta Project package no. 01/08-09.	18.4455	15.67	Jun/08	Oct/08	30.10.08	27.04.09
11. Construction of Flushing Out-let (2-0.90 m dia over Ballaver khal) in Bemorta Project package no. 01/08-09.	18.9640	14.6588	Jun/08	Oct/08	30.10.08	27.04.09
12. Construction of Drainage Sluice S-1 (2 vent 1.50 x 1.80) over Diarkhal package no. 07/06-07	82.2662	72.5852	Sep/06	Nov/06	12.12.06	28.06.09
13. Construction of Drainage Sluice S-2 (3 vent 1.50 x 1.80) over Doanirkhal package no. 08/06-07	124.2483	124.2483	Sep/06	Nov/06	19.12.06	28.06.09
14. Construction of Drainage Sluice S-3 (5 vent 1.50 x 1.80) over Doanirkhal package no. 09/06-07	151.5915	150.953	Sep/06	Nov/06	12.12.06	28.06.09
15. Construction of Closure over Diarkhal in Bemorta Project Package no/07-08	5.9430	5.9430	Sep/06	Nov/06	12.12.06	28.06.09
16. Construction of Closure over Doani khal in Bemorta Project Package no/07-08	54.800	54.800	Sep/08	Nov/08	12.12.08	28.06.09
Total =		585.91				

Use of Project Consultant (s) (Foreign / Loan):

Name of the Field	Approved	l man month	Actual man month	Remarks	
	As per PP	As per contract	utilized		
1	2	3	4	5	
a) Foreign:	•			•	
b) Local:					

08. Construction / Erection / Installation Tools & Equipment :

Description of items	Quantity (as per PP)	Quantity procured with	Transferred to O&M with	Disposed off as per rule	Balance	Remarks
		date	date	with date		
1	2	3	4	5	6	7
Photocopier	1 no.	Feb / 07	Jul / 06	-	-	
Computer	1 no.	Feb / 07	Jul / 06	-	-	
Fax	2 nos.	Feb / 03	Jul / 06	-	-	

C. FINANCIAL AND PHYSICAL PROGRAMME:

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

(Tk. in lakh)

Financial	Financial provision & physical target as per original Financial provision & physic			ysical target	al target as per latest				
Year		Pl	P		revised PP				
	Total	Taka	P.A.	Physical %	Total	Taka	P.A.	Physical %	
1	2	3	4	5	6	7	8	9	
2005-2006	15.62	15.62	-	1.56					
2006-2007	350.00	350.00	-	34.98					
2007-2008	390.00	390.00	=	38.98			2		
2008-2009	245.00	245.00	-	24.48					
Total	1000.62	1000.62		100.00					

01. (b) Revised ADP allocation and progress :

(Tk. in lakh)

Financial	R	Revised Alloc	cation & targ	get	Taka	ka Expenditure & physical progress			
Year	Total	Taka	P.A. (RPA)	Physical %	release	Total	Taka	P.A. (RPA)	Physical %
1	2	3	4	5	6	7	8	9	10
2005-2006	0.00	0.00	The state of the s	0.00	0.00	0.00	0.00	-	-
2006-2007	350.00	350.00		34.98	350.00	327.00	327.00	-	32.68
2007-2008	400.00	400.00		39.97	248.75	201.26	201.26	-	20.11
2008-2009	270.00	270.00		26.98	245.00	245.00	245.00	-	24.48

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
1	2	3
Support Sustainable growth and equitable distribution of the benefits generated from increased rice and fish production for domestic consumption.		Will be achieved after 2 or 3 years management

E. BENEFIT ANALYSIS

Annual Out-put:

or. Annual Out put.			
Items of out-put	Unit	Estimated quantity expected at full capacity	Actual quantity of out-put during the 1 st year of operation at full capacity (or during, real production for newly completed project)
1	2	3	4
1. Rice	Ton	1560	Will be assessed after 1 year of full operation

02. Cost / Benefit:

	Item	Estimated	Actual
(1)	Benefit cost ratio of the project		Not yet calculated
0 (0)	(i) Financial	1.28:1	
	(ii) Economic	1.31:1	2
(2)	Internal Rate Return		g =
	(i) Financial	16.43%	
	(ii) Economic	16.81%	

03. Please give reasons for short full, if any, between the estimated and actual benefit: Does not arise.

F. MONITORING AND AUDITING

01. Monitoring:

Name & designation of the inspecting official	Date inspection	Identified Problems	Recommendations
1	2	3	4 .
(a) Ministry / Agency:			
(b) IMED:	29.01.2009	Slow Progress	To accelerate the progress
(c) Others:			

Auditing during and after Implementation: Internal Audit: 02.

2.1

Period of Audit	Date of submission of Audit	Major finding/ objections	whether objections resolved
	Report		or not
1	2	3	4
	Not Done		7

2.2. External audit:

Period of Audit	Date of submission of Audit Report	Major finding/ objections	whether objections resolved or not	Remarks
1	2	3	4	5

G. DESCRIPTIVE REPORT

1. General Observations / Remarks of the Project on:

1.1 Background: The project commenced in 2005-2006 during the Two Year Plan period and scheduled to be completed in 2006-2007 as per original plan which was proposed to be extended up to 2008-2009 as per 1st revised programme (only Execution period has been revised).

The Project covers a gross area of 3900 ha. (Net benefited area 3120 ha) in Bagerhat Sadar & Kachua upazilla/thana under the Bagerhat district. It is a part of CEP Polder no. 37. The river Daratana-Bhairab is in the west, Bemorta khal and Nazirpur project in the north, Naszirpur project and Baleswar in the east and Hargati khal and Daibagyhati Project in the south.

In the year 1985 the Polder no. 37 was studied by NEDICO under the guidance of Planning and submitted the Feasibility Report for implementation. The project could not be implemented then as no donor agreed to grant the required fund. After the prolonged time of feasibility study, Government decided to implement the project on part basis. The Polder no. 37 divided into three parts viz. (i) Ramchandrapur-Indurkani sub project, (ii) Daibagyhati sub-project and (iii) Bemorta project. Out of three Daibagyhati sub-project started implementation since 1998-99 under SSFCDI (Cluster, 4th Phase) for implementation. On the demand of people of Bemorta areas and on the strong recommendation of the Honorable MP of Bagerhat-2, the project Bemorta, third part of polder no. 37 is considered as priority project of Honorable Prime Minister.

The water of the river Bhairab, Daratana and Ghasiakhali are extremely saline at post monsoon and winter period. There is ingress of this saline water from the Bhairab and Daratana rivers at high tides towards east through the Bemorta khal, Arjekhali khal, Hargati khal and other numerous medium and small creeks. Two or three decades ago, the Baleswar flow was predominant and its water contained tolerable salinity during post monsoon as well as in the dry seasons. But natural changes of inflow conditions in the rivers in and around Bemorta project areas have led to reduction of tidal flow in the previously predominant Baleswar river and now the principal flow occurs through the Kaliganga esuing weaker sweet water pressure towards west through the Baleswar river. For this, the channels which would previously furnish sweet water flows of the Baleswar river in the aforesaid areas now face greater pressure of saline water flow from the saline water of the Daratana-Bhairab System. On the other hand, after excavation of the Mongla-Ghasiakhali canal during 1968-70 periods for navigation purpose, the flow from the western side has increased to some extent leading to increase of flow in the Daratana river system.

This is one of the reasons of increase in pushing saline water towards east. There is local information that the salinity hazards in the project areas have increased since last three decades and this may be caused due to reduction of sweet water flow from the upstream areas fed by the Ganges after withdrawal of water at Farakka Barrage in India.

Effect of saline water not only damages crop of the area it is harmful for other plants and trees and it disturbs the balance of environment. Day by day salinity of land of the area is increasing and as a result the flora and fauna are apprehended to be severely affected. Production of food crops and other crops are already affected. The Aman production is the vegetative growth of the Aman paddy has too been reported to be affected.

The problem intrusion of saline water in the project area from the Daratana-Bhairab river can be protected by construction of 18.00 km. embankment along the left bank of the Daratana, Bhairab rivers. As such the left bank of the Bemorta khal is to be dyked to prevent ingress of saline water into the area. 04 (four) ons drainage cum flushing regulators and 6 nos. flushing sluice/drainage out-let structures (sluices) are required for drainage of the project area. 25.00 km. length of drainage channels will be re-excavated. After improvement of the channels and control of flow of saline water, the sweet water flow from the eastern channels linked with Baleshawer will be conserved and used by the farmers for irrigation by LLP or local methods for Aus and Aman paddy and also for Rabi crops where possible.

The project components involve mostly labour intensive activities where landless labourers have the opportunity for employment. Women folk have too, ample scope of employment in earth works, turfing, casting of concrete, curring, plantation etc. The scope of employment for the poor and destitute women will be manifold during operation and maintenance of the project. After operation, the cropping intensity as well as production will increase and the labour activity in agriculture, rice processing, marketing, transport etc.

will be raised creating job facilities for the people at the lowest type both male and female. Thus the project objectives will be capable to fulfill the objectives of poverty alleviation as per directives of PRSP (Poverty Reduction Strategy Paper) of TYRP (Three year Rolling Plan).

On the other hand, prevention of salinity over a vast tract of land will facilitate to restore environmental degradation. The population, livestock, fishery of the project area are badly suffering from diurnal Salinas flooding. The rural infrastructures are being damaged and development scopes being impeded due to daily tidal flooding thus the economic and social activities were very much limited. The project, in harmony with the TYRP (Three year Rolling Plan) objectives, will eliminate all these does and the development in the area will be expected.

Checking / Controlling intrusion of saline water and improved drainage system will help in leaching of land salinity, will raise crop production. At present the area is under monoculture i.c; only Aman paddy is cultivated in most of the areas. Effective salinity / flood protection and drainage improvement will be helpful in increasing cropping intensity and it is expected to raise to 198.69% from the existing 111.73% Updated benefits are as follows:

Incremental Cropped Area 3.120 ha. additional irrigable area 3,120 ha. annual incremental paddy production 1560,00mt, total value of incremental paddy production is Tk. 312.00 lakh, annual incremental farm labor 200000 man days.

LGED Bridge: A bridge is constructed as Saratala over Saratala Khal. The bridge is outside of the project and located in between project boundary (almost 30 metre away from proposed embankment) and riverbank. The width of Teh khal is 23 metres and the span length of the bridge is 30.5 meter. As per location and size of the bridge there will be no subversive affect on the targets and objectives of the project.

- 2. Justification / Adequacy: To make the large population of farmers sustainable by introducing improved crop production in the polder area. Construction of the polder was utmost necessary. Moreover, the construction of the polder will definitely elevate the poverty of the poor people of the area. The crop and fish production will also be increased.
- 3. Objective & Targets:

Main objectives & Targets of the project are

- Protection of Agricultural land from saline water intrusion.
- Provide flood protection of Agricultural land & homesteads to a gross area of 3900 ha
- Improvement of drainage congestions
- Increase crop production by giving irrigation facilities from sweet water of Balesharer river through excavation/re-excavation of khals
- Restore ecological balance.
- Use khal (After excavation/re-excavation) as a reservoir to provide irrigation in dry season.

The objective of the project is to protect agricultural land in Bagerhat Sadar and Kachua Upazilla under Bagerhat district from saline water intrusion, flood protection, drainage improvement with irrigation facilities. The gross project area 3900 ha, the net benefited area is 3120 ha.

- 4. Rationale of the project: Bangladesh is a densely populated with poor natural resources base, lack of industrialization and vulnerability of natural disaster like flood, cyclone etc made Bangladesh as one of the poorest countries of the world. The major problem responsible for poverty includes high level of landlessness, unemployment, illiteracy and malnutrition. The population of the project area is very dense (about 750 per square kilometer) and landless population is about 30% Socioeconomic development of the people through agricultural development is the main objective to alleviate poverty of the area. The proposed intervention has very little impacts or no negative impacts in and around the area. The project will create new employment opportunity through improved agricultural productivity, enhancement of fisheries activities, navigation, trade, construction works and operation & maintenance works.
- 5. Brief description of planning and financing of the project and its applicability:
 - ♦ Project Identification: The components of the project have been identified by the stakeholders and BWDB and finally found technically viable by Bangladesh Water Development Board after physical verification.

• Project Preparation: The project has been prepared after taking due opinion from the stakeholders and

its

necessity.

♦ Appraisal:

The project has been appraised by the stakeholders and approved by the competent

Authority.

Project Approval:

The project has been approved by the competent Authority.

♦ Others (if any):-

6. Analysis of the post-Implementation situation and result of the project:

Whether the beneficiaries of the project have clear knowledge about the Target / Objectives of the project: yes.

6.2 Programme for use of created-facilities of the project:

The created facilities of the project have been gradually handed over to the Stake Holders and they will use it properly.

6.3 O&M programme of the project:

The Project will run in the frame work of BWDB's O&M manual and will be handed over gradually to Stake Holders.

6.4 Impact of the project –

a. Direct: The production of crop has already been increased up to 20% as reported by the cultivators. The production may be increased up to 50% as informed by the Stake Holders.

b. Indirect: Socio-economic condition of the project area has already been increased to a good extent.

neration through the project:

6.5 Employment generation through the project:

The employment of poor / Landless people have already been generated through

the

project.

6.6 Possibility of self employment:

The facility of self employment has already been generated to a good extent.

6.7 Possibility of women-employment opportunity:

The women employment opportunity has already been generated in crop production.

6.8 women's participation in development:

The women of the area have already participated in the development works.

6.9 Probable Impact on socio-Economic activity:

The socio-economic condition of the project area has already been developed to a good extent.

6.10 Impact on environment:

There will be no adverse impact on environment.

6.11 Sustainability of the project:

The project will sustain through active involvement of Stake Holders.

6.12 Contributions to poverty alleviation / reduction:

The project will contribute gradually in reducing / alleviating poverty.

6.13 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc:

The project itself is a public participatory project.

6.14 Contribution of Micro-credit programme and comments on overlapping with any NGO activities: The project has no micro-credit facility.

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

	D. ' . M	T	7.12	Project aid disbursement and reimbursement	
7.1	Project Management				
7.2	Project Director		7.13	Mission of the development partners.	
7.3	Land Acquisition		7.14	Time & Cost Over-run	
7.4	Procurement	Does	7.15	Project supervision/Inspection	Does
7.5	Consultancy	not	7.16	Delay in Decision	not
7.6	Contractor	arise	7.17	Transport	arise
7.7	Manpower		7.18	Training	
7.8	Law & Order		7.19	Approval	
7.9	Natural calamity		7.20	Other.	
7.10	Project financing, allocation and release.	14			
7 11	Design formulation/approval				

6. Remarks of the Project Director:

> Due to involvement of stakeholders during planning, design & implementation (quality control) of the project. All the local disputes were solved successfully by

the stakeholders. The stakeholders have owned the project.

Recommendation:

There are many similar type of BWDB projects (polders) within the coastal zone.

Such type of projects (like Bemorta Project) may be taken up with the

involvements of stakeholders to improve the socio-economic condition. 7.20 km Embankment, 1 no. Drainage Sluice, 2 nos. Drainage Out-let & 1 no. Closure need to be constructed on an urgent basis to complete the project in order to derive full

benefits of the project.

Date: 16.09.2009

Signature and seal of the Project Director/Manager

(Md. Abdur Razzagu) XEN, Bagerhat O&M Division,

BWDB, Bagerhat 8

Project Director, Bemorta Project

1. Remarks/Comments of Agency Head	Bemorta i roject.
Date:	Signature and Seal
2. Remarks/comments of the officer in charge of the Ministry/Division	
Date:	Signature and Seal