

# BANGLADESH WATER DEVELOPMENT BOARD.



## PROJECT COMPLETION REPORT IMED FORM NO.:04/2003(Revised)

NAME OF PROJECT: EXPANSION OF ACTIVITIES OF CHOWDDAMADER  
BEEL EMBANKMENT & KHAL EXCAVATION PROJECT.

ZONE : SOUTHERN ZONE, BWDB, BARISAL.

CIRCLE : BARISAL O&M CIRECLE, BWDB, BARISAL.

DIVISION : BARISAL O&M DIVISION, BWDB, BARISAL.

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 :- Expansion of activities of Chowddamader Beel Embankment & khal excavation project.
02. Administrative Ministry/Division:- Ministry of Water Resources.
03. Executing Agency :- Bangladesh Water Development Board.
04. Location of the Project :- Upazilla- Gournadi, Agailjhara, Dist. Barisal.  
Upazilla- Kalkini, Dist. Madaripur  
Upazilla- Kotalipara, Dist. Gopalganj.
05. Objective of the Project :- Prevention of periodic flood inundation and improvement of Drainage system for greater yield in the project area.
06. Estimated Cost :- (In Lakh Taka)

	Original	Latest Revised
(a) total	689.56	770.96
(b) Taka	689.56	770.96
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

	PCP	DPP
07 Date of Approved:	-	05-06-2006
(a) Original	-	02-08-2009(RDPP)
(b) Latest Revised	-	

08. Implementation :	Date of commencement	Date of completion
(a) Original	2005-2006	2006-2007
(b) Latest Revised	2005-2006	2009-2010
(c) Actual	2005-2006	2009-2010

09. Financing Arrangement (source-wise):

9.1 Status of Loan/Grant

(a) Foreign Financing:

Source(s)	Currency as per Agreement	Amount US\$ (Million)	Name (Loan/Grant/ Suppliers/ credit)	Date of Agreement	Date of Effectiveness	Date of Closing	
						Original	Revised
1	2	3	4	5	6	7	8

Not Applicable

(b) GOB:

				(Taka in lakhs)
Total amount	Loan	Grant	Cash Foreign Exchange	
1	2	3	4	
770.96	-	770.96	-	

9.2 Utilization of Project Aid:(Source wise)

(In Million)

Source(s)	Total Amount		Actual Expenditure		Unutilized Amount	
	In U.S.S.	In Local Currency	In U.S.S.	In Local Currency	In U.S.S.	In Local Currency
1	2	3	4	5	6	7

Not applicable.

9.3. Reimbursable Project Aid (RPA):

(Taka in lakhs)

R.P.A.Amount		Amount Spent	Amount Claimed	Amount Reimbursed	Remarks
As per PP	As per Agreement				
1	2	3	4	5	6

Not applicable.

B. IMPLEMENTATION POSITION.

01. Implementation Period:

Implementation Period as per DPP		Actual Implementation	Time Over-run (% of original Implementation Period)	Remarks
Original	Latest Revised			
1	2	3	4	5
2005- 2006 to 2006-2007	2005-2006 to 2009-2010	2007-2008 to 2009-2010	Two years(100%)	-

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	689.56	770.96	728.16	(11.80%)	-
Taka	689.56	770.96	728.16	(81.40%)	-
Pa	-	-	-	-	-

03. Project (Personnel):

Sanctioned strength as per DPP	Manpower employed during execution	Status of the existing manpower			Manpower employed	
		Manpower requirement for O &M as per DPP	Existing manpower of O&M	Others	Male	Female
1	2	3	4	5	6	7
Officer(s)	5 nos.	5 nos.	5 nos.	-	5 nos.	-
Staff(s)	11 nos.	11 nos.	11 nos.	-	11 nos.	-
Total	16 nos.	16 nos.	16 nos.	-	16 nos.	-

The Project is implemented by the existing man power of BWDB. No separate man power is engaged for the project.

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

Field of Training/Study tour/Workshop/Seminar	Provision as per PP		Actual		Remarks
	No. of person	Man-months	No.of person	Man-months	
1	2	3	4	5	6
Foreign	Nil.	-	Nil.	-	
Local	Nil.	-	Nil.	-	



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

(In lakh taka)

Item of works as per PP	Unit	Target (As per DPP)		Actual Progress		Reasons for deviation (+/-)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
1 Survey & Investigation	L.S.	1.00	L.S.	1.00	100%	-
2. Land Acquisition (7.72 ha)	Ha	297.00	7.72 Ha.	265.08	100%	-
3. Const. of New embankment	KM	54.27	5.00KM	47.91	90%	-
4. Re-excavation of khal	KM	109.46	42.00KM	105.76	97%	-
5 Const. of drainage-cum-flushing sluice (2V-1.50x1.80m)	No.	80.58	1 No. (2V-1.50x1.80m)	80.58	1 No. (100%)	-
6 Const. of drainage-cum-flushing sluice (3V-1.50x1.80m)	No.	104.15	1 No. (3V-1.50x1.80m)	104.15	1 No. (100%)	-
7 Const. of surface drainage sluice (1V-0.90x1.20m)	No.	71.31	3 Nos.	71.31	3 Nos. (100%)	-
8 Const. of pipe Inlet (1-0.600m dia)	No.	43.00	8 Nos. (1-0.600m dia)	42.38	8 Nos. (100%)	-
9 Const. of closure	No.	6.19	1 No.	6.19	1 No. (100%)	-
10 Contingency	L.S.	4.00	L.S.	3.80	(100%)	-
Total=	-	770.96	-	728.16	100%	

06. Information regarding Project Director(s):

Name & Designation with pay scale	Full time	Part time	Responsive for more than one project	Date of		Remarks.
				Joining	Transfer	
1	2	3	4	5	6	7
1. Md. Aktar Alam (S.E) Tk. 15000-600-19800/-	Full time	-	Monitoring	17-09-2007	10-06-2009	
2. Abdur Rob Miah Tk. 25750-1000-33750/-	Full time	-	Monitoring	10-06-2009	Till to day	

07. Procurement of transport (in Nos):

Type of transport	Number as per DPP	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
-	-	-	Does not arise		-	

08. Procurement of Goods, Works and Consultancy Services:

8.1 Good & works of the Project costing above Tk. 200.00 lakh and Consultancy above Tk. 100.00 Lakhs.

Document procurement (goods/works/ consultancy) as per bid document.	Tender /Bid/ Proposal Cost (in...)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods.	
	As per DPP	Contracted value	Tender invitation date	Contract signing/ L/C opening date.	As per contract	Actual
1	2	3	4	5	6	7

Not Applicable

8.2 Use of Project Consultant(s) (foreign/Local):

Name of the Field	Approved man month		Actual man month utilized	Remarks
	As per PP	As per contract.		
1	2	3	4	5
a) Foreign				Not applicable
b) Local				Not applicable

09. Construction/Erection/Installation Tools & Equipment:

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

Not applicable

C. FINANCIAL AND PHYSICAL PROGRAMME:

01. (A) Original and revised schedule as per D.P.P;

(Tk. In lac)

Financial Year	Financial provision & physical target as per original DPP				Financial provision & physical target as per latest revised DPP.			
	Total	Taka	P.A.	Physical%	Total	Taka	P.A.	Physical%
1	2	3	4	5	6	7	8	9
2005-2006	479.00	479.00	-	-	-	-	-	-
2006-2007	210.56	210.56	-	-	-	-	-	-
2007-2008	-	-	-	-	378.45	378.45	-	-
2008-2009	-	-	-	-	150.00	150.00	-	-
2009-2010	-	-	-	-	242.51	242.51	-	-
Total	689.56	689.56	-	-	770.96	770.96	-	-

01 (B) Revised ADP allocation and progress :

Financial Year	Revised allocation and Target				Taka released	Financial provision & physical target as per latest revised PP.			
	Total	Taka	P.A.	Physical%		Total	Taka	P.A.	Physical%
1	2	3	4	5	6	7	8	9	10
2007-2008	410.00	410.00	-	60%	408.80	378.46	378.46	-	60%
2008-2009	150.00	150.00	-	25%	126.61	99.47	99.47	-	25%
2009-2010	292.21	292.21	-	15%	289.05	250.23	250.23	-	15%
Total	852.21	852.21	-	100%	824.45	728.16	728.16	-	100%

D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per DPP	Actual achievement	Reasons for shortfall, if any
1	2	3
(a) Survey and Investigation(L.S)	100%	No shortfall
(b) Land acquisition(7.20ha.)	100%	
(c) Const.of drainage-cum-flushing sluice (2V-1.50X1.80)=1 no.	100%	
(d) Const. of drainage-cum-flushing sluice(3V-1.50x1.80m)= 1no.	100%	
(e) Const. of surface drainage sluice (1V-0.90x1.20m)= 3 nos.	100%	
(f) Const. of pipe Inlet (1-0.600m dia)= 8 nos.	100%	
(g) Const. of closure= 1 no.	100%	
(h) Const.of New embankment= 5.00 KM	100%	
(i) .Re-excavation of khal= 42.00KM	100%	
(j) Contingency= L.s.	100%	

E. BENEFIT ANALYSIS:

01. Annual out-put :

Item of Output	Unit	Estimated quantity expected at full capacity	Actual quantity of output during the 1 <sup>st</sup> year of operation at full capacity (or during, real production for newly completed project)
1	2	3	4
(a) Flood Control	Ha.	21000	
(b) Drainage	Ha.	17850	
© Total Irrigation	Ha.	15000	
(d) Supplementary Irrigation	-	-	



02. Cost/Benefit :

Item	Estimated	Actual
1	2	3
(1) Benefit cost ratio of the project		
I. Financial	I. Financial = 1.85 : 1.00	
II. Economic	II. Economic= 2.87 : 1.00	
(2) Internal rate of Return		
I. Financial	I. Financial = 656.61	
II. Economic	II. Economic= 1059.85	

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

There is no shortfall between the estimated and actual benefit.

F. MONITORING AND AUDITING :

01. Monitoring:

Name & Designation of the inspecting official	Date of inspection	Identified problems	Recommendation
1	2	3	4
<b>(a) Ministry/Agency :</b>		-	-
(1) Aysha Begum, Deputy Chief. Ministry of Water Resources.	20-11-2008		
(2) D. Md. Abu Taher Khandaker, Chief Engineer, Southern Zone, BWDB, Barisal.	04-04-2008		
(3) Abdul Wadud Bhuyan, Chief Engineer, Southern Zone, BWDB, Barisal.	09-10-2008		
(4) A.K.M. Mukhlesur Rahman, Chief Engineer, Southern Zone, BWDB, Barisal.	10-2-2009 & 22-5-2009		
(5) Md. Gulzer Hossain, Chief Engineer, Southern Zone, BWDB, Barisal.	04-06-2010		
(6) Md. Akhtar Alam, Superintending Engineer, Barisal O&m Circle, BWDB, Barisal.	Many times		
(7) Abdur Rob Miah, Superintending Engineer, Barisal O&m Circle, BWDB, Barisal.	Many times		
<b>(b) IMED</b>		-	-
(1) Mr. Rabindra Nath Barman, Director, IMED	13-05-2010		
(2) Mr. Dayananda Debnath, Deputy Director, IMED.	30-11-2008		
(3) A.H.M. Kamruzzaman, Sr.Joint Chief, Planning Commission,	20-11-2008		
© Others: (Please specify)		-	-
(1) Superintending Engineer, Project Monitoring Team	24-03-2008		

02. Auditing during and after Implementation:

2.1 Internal Audit :

Period of Audit	Date of submission of Audit Report	Major findings/objections	Whether objections resolved of not
1	2	3	4
-	-	-	-

2.2 External Audit :

Period of Audit	Date of submission of Audit Report	Major findings/objections	Whether objections resolved of not
1	2	3	4
14-2-2010 to 22-02-2010	22-02-2010	-	Resolved

## G. DISCRIPTIVE REPORT

### 1. General Observations/Remarks of the Project on :

#### 1.1 Background

The project is situated in the Gournadi & Agailjhara Upazila of Barisal District, Kotalipara Upazila of Gopalganj district & Kalkini upazila of Madaripur District. The gross project area is about 21000 ha. And the benefitted area is 18775 ha. According to the Master Plan the proposed project falls within the Faridpur Barisal project (630000ha). The Master Plan indicated the flood protection and drainage would be provided at initial stage, followed immediately by irrigation development.

#### 1.2 Justification/Adequacy

Bangladesh is one of the poorest countries in the world. The natural resources of the country are very small compared to its population. The country suffers from natural calamity like flooding cyclone & storm surges, which damages crop production. It may be mentioned here that implementation of the works and a project called Bakai-Gournadi-Agailjhara- Chowddamader Beel sub-project was taken up in the financial year 1998-1999 and it is closed in the financial year 2004-2005. The project is included in the small scale flood control drainage and irrigation project (cluster project, 2<sup>nd</sup> phase, 27 nos. sub-project). Under the said project was included construction of 30.00KM embankment, re-excavation-10.00KM canal, construction of 4 nos. sluices, construction of 1 no Inlet, construction of 1 no. regulator-cum-boat pass & construction of 2 nos. bridge/culverts.

Under the project 8.76KM of embankment was constructed during the financial year 2003-2004. 11.737KM embankment was constructed by LGED and R&H Department. 4.506 KM of embankment constructed in financial year 2005-2006. Hence 5.00KM of embankment out of the 30.00KM was contained in the DPP of aforesaid sub-project that is implemented. There was a provision of Tk.30.00lakh was re-excavation of 10.00KM canal. None of the canals falling within the polder area was re-excavated earlier. The canals were levelly silted up in the previous year by tidal water and flood water and the amount of Tk. 30.00 lakh utilized for the re-excavation of 7.00KM canals. It was essential to re-excavate another 43.00KM of canal within the polder area. According the DPP 4 nos. sluices, 1no inlet, 1 no. regulator & 1 no. culvert under constructed. To overcome these difficulties it is extremely necessary at present to construct on an emergency basis 2 nos. regulator (1.50X1.80M), 3 nos. box sluices, 8 nos. pipe inlets, 5.00KM of embankment, to re-excavated 43.00KM of canals & construction of 1 no. closure.

#### 1.3 Objectives.

The major objective of the project to reduce agricultural damage due to flooding and drainage congestions & Increase food production as well as increase farm income by water management. To increase employment opportunities for poverty alleviation. To mobilize beneficiary participation to integrate the target group preferences and priorities into planning & design process etc.

#### 1.4 Project revision with reasons

The project needed revision due to cost over run of acquisition of land . The original cost as per DPP amounting to Tk.689.56 lakh was stood at Tk.770.96 lakh in RDPP with over run cost of Tk. 81.40 lakh (+11.80%) in respect of original DPP.

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

Bangladesh is one of the poorest country in the world. The country is densely populate. The natural resources of the country are very small compared to its population. The Industrial production and growth as a hole is slow. About 38% of the total population is living below poverty line and about 60 of the children face severe malnutrition. The GDP per capita of the country is about US \$ 300 (ref FFYP). About 34% of GDP comes from agricultural sector. The country suffers from natural calamity like flooding, cyclone and storm surges, which damages crop production. The country is about attain self-sufficiency in food but due to population growth and natural calamities the efforts become futile.

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

(*)	Project Identification	Upazilla- Gournadi, Agailjhara, Dist. Barisal. Upazilla- Kalkini, Dist. Madaripur Upazilla- Kotalipara, Dist. Gopalganj.
(*)	Project Preparation	Prepared by field personnel's.
(*)	Appraisal	Feasibility study has been done for the project through the Directorate of Planning-III and individual consultant team.
(*)	Credit Negotiation	Does not arise.
(*)	Credit Agreement	Does not arise.
(*)	Credit Effectiveness	Does not arise.
(*)	Loan Disbursement	Does not arise.
(*)	Loan Conditional ties	Does not arise.
(*)	Project Approval	The project was approved on 05-06-2006 by the Ministry of Finance & Planning.
(*)	Others (if any)	Does not arise.


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.
4.2	Programme for use of created-facilities of the project	The stakeholders are directly taking advantages of the created facilities of the projects.
4.3	O&M Programme of the project:	Post project O&M works will be arranged from the regular O&M Allocation.
4.4	<u>Impact of the project</u>	
4.4.1	Direct-Flood control & Agricultural Development	These works would develop the flood control drainage & irrigation facilities.
4.4.2	Indirect.	Sustainable socio-economic enhancement. Environmental enhancement from flood protection.
4.5	Transfer of Technology and Institutional Building through the Project.	Not applicable.
4.6	Employment generation through the project :	During implementation of the project employment opportunity was generated.
4.7	Possibility of Self employment	Does not arise.
4.8	Possibility of women-employment	During O&M period women of the area will be able to get them employed beside their male partners.



- 4.9 Women's participation in development  
Yes.
- 4.10 Probable Impact on socio- Economic activity.  
Economic activities will be increased due to protection from natural calamite.
- 4.11 Impact on environment  
No negative impact on environment & bio-diversity.
- 4.12 Sustainability of the project – Sustainable.  
The project is sustainable by requires periodic maintenance.
- 4.13 Contribution to poverty alleviation/reduction.  
The project fulfilled the benefit in compatible strategic goal that is the flood control drainage and irrigation facilities. It generated employment for skilled/unskilled during construction period.
- 4.14 Opinion of the public representatives, Local elite, local administration, teachers, religious leaders, woman's representatives etc.  
Positive remarks regarding the project.
- 4.15 Contribution of Micro-credit programme and comments on overlapping with any NGO activites.  
Not applicable.
5. Problems encountered during Implementation (With duration & steps taken to remove those).
- |       |  |   |                 |
|-------|--|---|-----------------|
| 5.1   | Project Management                           | - | Does not arise. |
| 5.2   | Project Director                             | - | Does not arise. |
| 5.3   | Land Acquisition                             | - | Does not arise. |
| 5.4   | Procurement                                  | - | Does not arise. |
| 5.5   | Consultancy                                  | - | Does not arise. |
| 5.6   | Contractor                                   | - | Does not arise. |
| 5.7   | Manpower                                     | - | Does not arise. |
| 5.8   | Law & other                                  | - | Does not arise. |
| 5.9   | Natural calamity                             | - | Does not arise. |
| 5.10  | Project financing allocation and release     | - | Does not arise. |
| 5.11  | Design formulation/approval                  | - | Does not arise. |
| 5.12  | Project aid disbursement and re-imbursement- |   | Does not arise. |
| 5.13. | Mission of the development partners          | - | Does not arise. |
| 5.14  | Time & Cost over-run                         | - | Does not arise. |
| 5.15  | Project supervision/Inspection               | - | Does not arise. |
| 5.16  | Delay in Decision                            | - | Does not arise. |
| 5.17  | Transport                                    | - | Does not arise. |
| 5.18  | Training                                     | - | Does not arise. |
| 5.19  | Approval                                     | - | Does not arise. |
| 5.20  | Others                                       | - | Does not arise. |


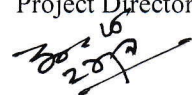
Prepared and submitted by

  
(Md. Harunur Rashid)  
Executive Engineer  
Barisal O&M Division  
BWDB, Barisal.

6. Remarks & Recommendations of the Project Director:

The objectives of the project have been achieved fully.

Date.....

  
(Abdur Rob Miah)  
Superintending Engineer  
Barisal O&M Circle  
BWDB, Barisal.  
&  
Project Director  


7. Remarks/Comments of Agency Head.

Date.....

Signature and seal.

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

Date.....

Signature and seal.