IMED: 04/2003(Revised)



# BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT

IMED FORM NO.: 04/2003 (Revised)

NAME OF PROJECT: CHANDPUR TOWN PROTECTION PROJECT (3rd Phase)

DIVISION

: CHANDPUR O&M DIVISION, BWDB, CHANDPUR

CIRCLE

: CHANDPUR O&M CIRCLE, BWDB, CHANDPUR

ZONE

NORTH-EASTERN ZONE, BWDB, CHANDPUR.

#### 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

: Chandpur Town Protection Project (3rd Phase)

02. Administrative Ministry/Division

: Ministry of Water Resources

03. Executing Agency

: Bangladesh Water Development Board

04. Location of the Project

: Chandpur Town area under Chandpur sadar upazilla,

district- Chandpur

05. Objective of the Project

The main objectives of the project are to protect the Chandpur Town including important business centers and private/ public properties and one of the important Irrigation project namely the "Chandpur Irrigation project" by implementing bank protective measures in and around Chandpur Town along the Meghna and Dakatia river. The Chandpur Town is also an important river port in Bangladesh. Presently the Town is considered as an important business / commercial growth centre specially hilsa fish, as it is easily approachable by rail, road and water bound transport.

#### 06. Estimated Cost

(In Lakh Taka)

	Original	Latest Revised
(a) Total	2467.76	
(b) Taka	2467.76	
(c) Foreign Currency		
(d) Project Aid		—————————————————————————————————————
(e) RPA		

07	Date of Approval	. :	PCP	DPP
			SUBSTITUTE OF THE PROPERTY OF	

(a) Original	:	<b>P</b>	31-12-2008
			3
(b) Latest Revised			-

### 08. Implementation

	Date of Commencement	Date of Completion
(a) Original	01-07-2008	30-06-2010
(b) Latest Revised		•
(c) Actual	01-07-2008	30-06-2010

- 09. Financing Arrangement (Source-wise)
- 9.1 Status of Loan/Grant
- a) Foreign Financing

Source(s)	Currency	Amount in	Nature	Date of	Date of	Date of	Closing
	as per Agreement	US\$ (Million)	(Loan/Grant/ Supplier/s/ credit)	Agreement	Effective- ness	Original	Revised
1	2	3	4	5	6	7	8
			Not app	licable			

# b) GOB:

(In lakh Taka)

			(minanti rana)
Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
2467.76	-	2467.76	_

# 9.2 Utilization of Project Aid : (source wise)

(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
			Not applicable			

# 9.3 Reimbursable Project Aid (RPA):

(In lakh Taka)

R P A Amount		Amount Spent	Amount	Amount	Remarks
As per PP	As per Agreement		Claimed	re-imbursed	
	2	3	4	5	6
		Not appl	icable		

# **B. IMPLEMENTATION POSITION**

### 01. Implementation Period :

Implementation Pe	eriod as per DPP	Actual	Time Over-run (%	Remarks
Original	Latest Revised	Implementation Period	of original implementation period)	
1	2	3	4	5
July-2008 to June- 2010		July-2008 to June-2010	-	The project completed within the original implementation period as per DPP

# 02. Cost of the Project:

(In lakh Taka)

	Estima	Estimated Cost		Cost over-rum	Remarks
Description	scription Original Latest revised expenditure	(% of original cost)			
1	2	3	4	5	6
TOTAL	2467.76		2400.90		
TAKA	2467.76		2400.90		
PA	~-				

### 03. Project Personnel:

Sanctioned Manpower		Status o	f the existing ma	Manpower Employed		
strength as per DPP	employed during execution	Manpower requirement for O&M as per DPP	Existing manpower for O&M	Others	Male	Female
1	2	3	4	5	6	7
Officer (s)	6	5	5			
Staff (s)	14	14	14			
Total:	20	19	19			

The project is implemented by he existing manpower of BWDB. No separate manpower is engaged for the project.

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

Field of	Provision as per PP		Ac	Remarks	
Training/ Study tour/workshop/ Seminar etc.	Number of person	Man-months	Number of person	Man-months	
1	2	3	4	5	6
a. Foreign	8		Not applicable		
b. Local			Not applicable		

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

Items of work	Unit	Target (as	per DPP)	Actual I	rogress	Reasons for
(as per PP)		Financial	Physical (Quantity)	Financial	Physical (Quantity)	deviation (±)
1	2	3	4	5	6	7
Şurvey & Investigation (1item)	L.S	1.00	1 item	0.99	1 item	The physical progress is equal to the targeted quantity as per DPP. But the financial progress is less than the DPP amount due to less quoting amount by the Contractor.
Petrol and Lubricant (1item)	L.S	6.00	1 item	1.95	1 item	The progress is less than the DPP amount due to non availability of budget.
Stationary (1item)	L.S	2.00	1 item	1.00	1 item	The progress is less than the DPP amount due to non availability of budget.
Repairs of Transport and Vehicles (1item)	L.S	4.00	1 item	1.00	1 item	The progress is less than the DPP amount due to non availability of budget.
i)Filling existing abandoned pond situated within 30m of the Bank line = 2 Nos	No	15.65	2 Nos	15.22	2 Nos	The physical progress is equal to the targeted quantity as per DPP. But the financial progress is less than the DPP amount due to less quoting amount by the Contractor.

Items of work	Unit	Target (as	s per DPP)	Actual F	rogress	Reasons for
(as per PP)		Financial	Physical (Quantity)	Financial	Physical (Quantity)	deviation (±)
1	2	3	4	5	6	7
ii) Strengthening & repairing of Mole Head area (0.200km)	Km	523.68	0.200 km	510.78	0.200 km	The physical progress is equal to the targeted quantity as per DPP. But the financial progress is less than the DPP amount due to less quoting amount by the Contractor.
iii) Strengthening & repairing of Natun bazar area along the left bank of Meghna (in between km. 0.120-1.250 = 0.790 km)	Km	1307.12	0.790 km	1275.39	0.790 km	The physical progress is equal to the targeted quantity as per DPP. But the financial progress is less than the DPP amount due to less quoting amount by the Contractor.
iv) Strengthening & repairing of Puran bazar area along the left bank of Meghna (in between km 0.000-1.430 = 0.450 km)	Km	572.60	0.450 km	559.00	0.450 km	The physical progress is equal to the targeted quantity as per DPP. But the financial progress is less than the DPP amount due to less quoting amount by the Contractor.
v) Strengthening & repairing of Natun bazar & Puran bazar area along the both bank of Dakatia (in between left bank of Dakatia km. 0.00-0.200 and right bank of Dakatia km. 0.080- 0.380 = 0.040 km)	Km	35.71	0.040 km	35.57	0.040 km	The physical progress is equal to the targeted quantity as per DPP. But the financial progress is less than the DPP amount due to less quoting amount by the Contractor.
Total		2467.76		2400.90		the Contractor.

# 06. Information regarding Project Director (s):

Name & Designation with pay	Full time	Part	responsible for	Da	te	Remarks	
Scale		time	more than one project	Joining	Transfer		
1	2	3	4	5	6	7	
i) Mr. Md. Hafizur Rahman Superintending Engineer Scale: 29000-25600/=	Full time	-	Yes	31-12-08	07-01-10		
Mr. Reazuddin Ahmed Superintending Engineer Scale: 29000-25600/=	Full time	-	Yes	07-01-10	Till today		

# 07. Procurement of Transport (In Nos.):

Type of transport	Number as per D.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

# Equipment: Survey Instrument.

Type of Equipment	Number as per D.P.P	Procured with date	Transferred to equipment pool with date	Transferred to O&M with date	Condemned/ damaged with date	Remarks
11	2	3	4	5	6	7

# 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	Propo	ler/Bid/ sal Cost re Taka)	Tende	er/Bid/Proposal	works/ se	mpletion of rvices and
		Contract ed value	Invitation date	Contract signing/ L.C opening date	As per contract	of goods Actual
1	2	3	4	5	6	7
Strengthening and Repair of Natun Bazar area along the Right Bank of Dakatia river from km. 0.000 to km. 0.120 and Puran bazar area along the left of Meghna river from km. 0.000 to km 0.050 in connection with Chandpur Town Protection Project (Phase–III) under Chandpur O&M Division, BWDB, Chandpur during the year 2008-2009 (Package No. TP/W5/08-09)	2.767	2.766	07/09/08	21/01/09	30/06/09	30/06/09
Strengthening and Repair of Puran Bazar area along the Left Bank of Meghna River from km. 0.050 to km. 0.100 and km. 0.730 to km. 0.900 in connection with Chandpur Town Protection Project (Phase–III) under Chandpur O&M Division, BWDB, Chandpur during the year 2008-2009 (Package No. TP/W6/08-09)	2.658	2.657	07/09/08	21/01/09	30/06/09	30/06/09
Strengthening and Repair of Natun Bazar area along the Left Bank of Meghna River from km. 0.600 to km. 0.706 in connection with Chandpur Town Protection Project (Phase–III) under Chandpur O&M Division, BWDB, Chandpur during the year 2008-2009 (Package No. TP/W7/08-09)	2.838	2.828	07/09/08	21/01/09	30/06/09	30/06/09
Strengthening and Repair of Natun Bazar area along the Left Bank of Meghna river from km. 0.706 to km. 0.750 and km. 0.900 to km 1.060 in connection with Chandpur Town Protection Project (Phase–III) under Chandpur O&M Division, BWDB, Chandpur during the year 2008-2009 (Package No. TP/W8/08-09)	2.868	2.852	07/09/08	21/01/09	30/06/09	30/06/09

# 8.2 Use of Project Consultant (s) (Foreign/Local):

Name of the Field	Approved	man month	Actual man month	Remarks		
	As per PP	As per Contract	utilised			
1	2	3	4	5		
a) Foreign :		Not ap	plicable			
b) Local :	Not applicable					

# 09. Construction/Erection/Installation Tools & Equipment :

Quantity (as per PP)	Quantity procured with date	Transferred to O&M with date	Disposed off as per rule with date	Balance	Remarks
2	3	4	5	6	7
	per PP)	point) procured	point) produced to call with	per PP) procured to O&M with as per rule	per PP) procured to O&M with as per rule

# C. FINANCIAL AND PHYSICAL PROGRAMME:

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

(In lakh Taka)

Financial Year	Financia	l provision &   origina	arget as per	Financia	I provision & latest rev	physical ta	arget as per	
	Total	Taka	P.A	Physical%	Total	Taka	P.A	Physical%
1	2	3	4	5	6	7	8	9
2008-2009	1480.50	1480.50	=	60	-	-	-	
2009-2010	987.26	987.26	-	40	•	-		-
Total	2467.76	2467.76		100			*	p

# 01. (b) Revised ADP allocation and progress:

(In lakh Taka)

Financial	R	Revised Allocation & target			Taka	Exp	enditure & ph		aress
Year	Total	Taka	P.A.	Physical	release	Total	Taka	P.A.	Physical
1		3	4	5	The second secon			9	10
2008-2009	851.00	851.00	-	60	851.00	851.00	851.00		60
2009-2010	1611.00	1611.00	-	40	1550.00	1549.90	1549.90		40
Total	2462.00	2462.00		100	2401.00	2400.90	2400.90		100

# D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT:

Objective as per DPP	Actual achievement	Reasons for shortfall, if
		any
1.To mitigate river erosion by implementing bank protective measures at length of 1480 meter in an around of Chandpur Town priority location along the Meghna & Dakatia river.	Provided mitigation of river erosion by implementing bank protective measures at length of 1480 meter in an around of Chandpur Town priority location along the Meghna & Dakatia river.	No short fall
Safety of public assets and natural resources of Chandpur Town.	Provided safety of public assets and natural resources of Chandpur Town.	,
3.Environmental enhancement from river erosion hazards.	3.Improved environmental enhancement from river erosion hazards.	
4. Sustainable socio-economic enhancement.	4.lmproved sustainable socio-economic enhancement.	

# E. BENEFIT ANALYSIS

# 01. Annual Out-put:

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)
1480m out of 3360 m protective work located at sadar upazilla under Chandpur district for protection of Chandpur Town from the erosion of Meghna & Dakatia river	m	1480 m	1480 m (Physical progress 100% as per schedule)

#### 02. Cost/Benefit:

ltem	Estimated	Actual
<ul><li>(1) Benefit cost ratio of the project</li><li>(i) Financial</li></ul>	(i) Financial = 68.39:1.00	(i) Financial = 68.39:1.00
(ii) Economic	(ii) Economic = 85.71:1.00	(ii) Economic = 85.71:1.00
(2) Internal Rate of Return		
(i) Financial	(i) Financial = 409.31%	(i) Financial = 409.31%
(ii) Economic	(ii) Economic = 483.91%	(ii) Economic = 483.91%

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

There is no short fall between the estimated and actual benefit.

# F. MONITORING AND AUDITING

# 0.1 Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(a) Ministry/Agency:			
Secretary, Ministry of     Water Resources	13/08/2009	No Problem was identified during the	Instructed to complete the project in time.
2. Joint Secretary, Planning Commission	15/05/2009	execution of the Project.	are project in time.
(b) IMED:	14/02/2010	No Problem was identified during the execution of the Project.	IMED recommended to implement the Project within the stipulated completion time.
(c) Others: (Please specify)  1. Member, Irrigation, Water Resources & Rural Development Institutions Division of Planning Commission	26/02/2010	No Problem was identified during the execution of the Project.	Instructed to complete the project in time.

# 0.2. Auditing during and after Implementation:

#### 2.1 Internal Audit:

Period of Audit	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not	
1	2	3	4	
		<b>**</b>		

### 2.2. External Audit:

Audit Period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not
1	. 2	3	4
2008-2009	09/02-2010		Resolved
2009-2010	~~	No. 100	

#### G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on:

#### 1.1 Background

The Chandpur district town has been divided into two parts named Puran Bazar and Natun Bazar by the river Dakatia and both the parts are located at the left bank of the river Meghna. The river Meghna originates from Asam of India and enters into Bangladesh through north-east part and then travels towards Bay of Bengal. The river Padma adjoin river Meghna at ten kilometer upstream of Chandpur town at Eklashpur and then it flows again towards Chandpur Town with high velocity. Due to high discharge velocity and serious wave, erosion occurred in the left bank of the river Meghna in and around Chandpur town since about 40 years. Both the banks of the river Dakatia are also under erosion. As a result, in the mean time, many valuable properties/infrastructures of Chandpur town have already been engulfed by the river Meghna and Dakatia.

#### 1.2 Justification/Adequacy

The river reach upstream of Chandpur, presently the confluence of the Padma and the Upper Meghna Rivers, has undergone substantial changes over the last centuries. As a consequence the direction of the main flow in the river Padma, makes a substantial angle with the course of the Lower Meghna near Chandpur. This almost at right angles, possibly in combination with neo-tectonic activity, induces a gradual shifting of the Lower Meghna River towards eastern direction. As a consequence of this movement in combination of the plan form changes of the Padma/Lower Meghna Rivers, increases the scour depth in front of Natun Bazar and the bank erosion is taking place over a substantial length of the Lower Meghna in this region. The flow of the Lower Meghna is forced to flow along the western side of Chandpur Town. The maximum discharge is 138513 cum/sec. for 50 years return period an average event and the maximum discharge is 147918 cum/sec. for 100 years return period an extreme event. The maximum velocity is 4.62 m/sec. and deepest bed level have been recoded up to (-) 68 m PWD at western part of Mole Head of Chandpur Town Protection area. As such the Chandpur Town area has been found to be most vulnerable in both the average and extreme flood events. Due to high discharge, velocity and severe wave action, erosion of the left bank of the Meghan River occurred in and around Chandpur Town since 40 years. As a result, in the mean time, many valuable properties and infrastructures of Chandpur town have already been eroded by the river Meghna and Dakatia. Further erosion might have caused completely disappeared the total Chandpur town thereby engulfing the Chandpur Irrigation Project from map. Therefore, bank protection works under this project was inevitable.

#### 1.3 Objectives

The main objective of the project is to protect the Chandpur town including important business and private/public properties by implementing bank protective measures at a length of 3360 meter in an around of Chandpur town, priority location along the Meghna and Dakatia river. The Chandpur town is an important river port in Bangladesh. Presently the town is considered as important business/commercial growth centre, as it is easily approachable by Railway and Road and River transport.

#### 1.4 Project revision with reasons

The project was implemented within the original DPP provision. No revision of the project was needed.

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

The Draft Final National Water management Plan, Volume 2 (article 3.7.2) main Report, Hal crow et. al., October2001; states that "River bank erosion causes immense hardship to those affected and the Government is committed to mitigate this problem", and this is certainly the cause for the poor people living in constant risk along the left bank of the Lower Meghna. In view of the above and after a sudden bank slide on the right bank of Dakatia on the 19th of September 2001, which destroyed the BIWTA terminal, the fish market, and reduced the distance between the lower Meghna and the Dakatia to less than 45m and which is considered to be critical for the stability of the Town, a technical mission, funded by the Netherlands Government, was organized to evaluate the present situation at Chandpur.

One of the short term recommendations of the mission was to "Properly designed and construction of Permanent Protection works should be implemented as soon as possible. Until that the possibility of a continued recurrent maintenance option should not be excluded on grounds of technical impracticability and extreme cost while it does not ensure the sustainability of the regional development.

A another report on Morphological Forecast during monsoon for Monitoring and Disaster Preparedness for Erosion Protection of River Meghna at Chandpur and Adjoining Area , submitted by Institute of Water Modeling ( IWM ) in May/2006. In which it is recommended that the short term measure should be continued till the implementation of permanent Hydraulic structure to provide sustainable protection Naturn bazar, Puran bazar and CIP.

In present situation sever erosion is being developed due to violent behavior with strong current and serious bed scouring along the left bank of Meghna and both bank of Dakatia river. Therefore it is required for strengthening of existing bank protection work by implementing strong protective measure until permanent solution.

As such the present concept and design of the project is relevant with the above recommendation.

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

#### Project Identification:

The project is located along the left bank of the Meghna River and the right bank of the Dakatia River.

#### Project Preparation:

Protection of Chandpur town at Puran bazar and Natun bazar had been started since independence of Bangladesh under different project namely Chandpur Town Protection Project (Phase-I); River bank protection, development and town protection (Cluster project) Project; FDR project, Chandpur Town Protection Project (2<sup>nd</sup> Phase) etc. For strengthening & repairing of the existing revetment works, this project was launched.

#### Appraisal:

- A study has been conducted by Technical Mission of Royal Netherlands Embassy in 2002.
- b) IWM conducted bathymetric survey and model study in 2005 & 2006.
- Credit Negotiation: Not applicable
- Credit Agreement: Not applicable
- Credit Effectiveness: Not applicable
- Loan Disbursement: Not applicable
- Loan Conditionality: Not applicable
- **Project Approval:** The project was approved on 04-01-2009.
- ♦ Others (if any): Nil

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 project.

#### 4.3 O & M programme of the project:

Post Project recurrent O&M works will be arranged from the regular O&M allocation .

#### 4.4 Impact of the Project -

#### 4.4.1 Direct:

- Protection of river bank erosion in an around Chandpur Town.
- Protection of Chandpur Irrigation Project from river bank erosion.
- Safety of public and government owned assets and natural resources of Chandpur Town.

#### 4.4.2 Indirect:

- Environmental enhancement from river erosion hazards.
- Sustainable socio-economic enhancement.

### 4.5 Transfer of Technology and Institutional Building through the project:

Not Applicable

#### 4.6 Employment generation through the project:

Employment generation for skilled/unskilled during construction period is about 2.99 lakh man-days.

#### 4.7 Possibility of Self employment:

There are possibilities of self employment as existing commercial and business centres are protected from river bank erosion.

#### 4.8 Possibility of women-employment opportunity:

Yes, there is possibility of women-employment through the project.

#### 4.9 Women's participation in development:

Yes.

#### 4.10 Probable Impact on Socio-Economic activity:

Protecting the river bank erosion, various infrastructures are saved from the erosion. The impact of loosing households, growth-centers and economic centers are eradicated and enhances socio-economic balance in the locality.

#### 4.11 Impact on environment:

Environmental enhancement is achieved through the implementation of the Project. Bank erosion hazards of environment is eradicated.

#### 4.12 Sustainability of the project:

The project is sustainable but requires periodic maintenance.

#### 4.13 Contribution to poverty alleviation/reduction:

The project fulfilled the following benefits in compatible strategic goal i.e., a) reduction of vulnerability to water related disaster, b) manage erosion of major rivers and protect large and small towns of poverty alleviation as per PRS:

- 1) The project ensures immovable properties of total worth of Tk. 455053.00 lac.
- 2) It generated employment for skilled/unskilled during construction period and also in annual O&M phase in project performance. Also better employment access in business tertiary sectors is enhanced.
- 3) Natural security against river bank erosion is resorted.
- 4.14 Opinion of the public representatives, local elite, local administration, teachers, religious leaders, women's representatives etc.

Positive remarks regarding the project.

# 4.15 Contribution of Micro-credit programmes and Comments on overlapping with any NGO activities.

Not Applicable

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

5.1	Project Management	5.12	Project aid disbursement and re- imbursement
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	5.21	
5.11	Design formulation/approval		

No problems encountered during implementation of the project regarding the above facts.

6. Remarks & Recommendations of the Project Director:

One branch of the river Padma joins with Meghna at about ten kilometer upstream of Chandpur town and produces a combine discharge of maximum 1.48 lakh cum/sec at an extreme event, resulting maximum velocity of 4.62 m/sec. as observed. The confluence of the main flow of the Padma and Meghna, just at Chandpur district town, undergoes a substantial changes in the morphology of the region due to direction of the main flow of Padma almost at right angles over the flow of Meghna, and in combination with neo-tectonic activity, induces a gradual shifting of the lower Meghna River towards eastern direction. Due to the movement along with changes over plan forms the scour depth increases in front of Natun bazar where the deepest bed level have been recorded up to (-) 68m PWD at western part of mole head of Chandpur Town Protection area. As a consequence, the Chandpur town has been found to be the most vulnerable due to high velocity, discharge severe wave action since 40 years. If the emergency protection work have not been done since 1972, it would have been disappeared the total Chandpur town and Chandpur irrigation project. So the projects, so far have been taken for the protection of Chandpur town is appropriate and have national priority. Total length of revetment work of Chandpur town protection is 3360 m. Due to morphological and hydrological condition change of three rivers, Padma, Meghna & Dakatia near Chandpur town during monsoon period severe flow causes 3-D turbulent flow and creates large cavity in an around the launching apron, which threatens the existing revetment work. Therefore, it needs to be strengthened and repaired continuously to mitigate this unique phenomenon every year. Otherwise, major damage will occur and the Chandpur town will be under threatened. So, another project is needed to be approved for strengthening & repairing the completed work in the coming years.

Date :		Chandpur O & M Cirde  DWDB, Chandpur 's		
		Signature and seal of the Project Director/Manager		
7.	Remarks/Comments of Agency Head			
	Date:	Signature and Seal		

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