



BANGLADESH WATER DEVELOPMENT BOARD

PROJECT COMPLETION REPORT

IMED FORM NO.: 04/2003 (Revised)

NAME OF PROJECT: Dredging of the Padma River in connection with the Protection of the "Kuthibari" of Great Poet Robindranath Tagore and its adjacent area under Kushtia District (1st Revised).

DIVISION : KUSHTIA O&M DIVISION, BWDB, KUSHTIA.
CIRCLE : KUSHTIA O&M CIRCLE, BWDB, KUSHTIA.
ZONE : WESTERN ZONE, BWDB, FARIDPUR.

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 : Dredging of the Padma River in connection with the Protection of the "Kuthibari" of Great Poet Robindranath Tagore and its adjacent area under Kushtia District (1st Revised).
02. Administrative Ministry/Division : Ministry of Water Resources.
03. Executing Agency : Bangladesh Water Development Board.
04. Location of the Project : Kumarkhali, Kushtia.
05. Objective of the Project : The main objective's of the project are:
- The main objective of the Project is to protect The "Kuthibari" of Great Poet Robindranath Tagore under Kumarkhaliupazilla in the District of Kushtia from the erosion of the Padma River by execution of 3200 meter Dredging from km. 0.00 (Easting 719717.898, Northing 2648789.820) to km 3.20.00 (Easting 722703.760, Northing 2648008.360)
 - Another important objective of the Project is to safe guard Shelaidah UP and adjacent areas, also vast arable lands potential for agricultural production as well as valuable establishments in the area from devastating erosion of the river Padma.
 - Huge immovable Public and Private Properties with estimated total worth of Tk. 67517.00 lakh dispersed in the vicinity of affected area will be saved from the river erosion by implementing both dredging work and protective work under this project and the project "Protection of the Kuthibari and adjacent areas of Great poet Robindranath Tagore along the right bank of Padma river under Kushtia District" respectively

06. Estimated Cost :

	(In lakh Taka)	
	Original	Latest Revised
(a) Total	2477.45	2511.49
(b) Taka	2477.45	2511.49
(c) Foreign Currency	0.00	0.00
(d) Project Aid	0.00	0.00
(e) RPA	0.00	0.00

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07. Date of Approval	:	PCP	DPP
(a) Original	:	-	22-03-2017
(b) Latest Revised	:	-	17.04.2018 (1 st Revised)

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	March,2017	June,2018
(b) 1 st Revised	March,2017	June,2018
(c) Actual	March,2017	June,2018

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
2511.49	-	2511.49	-

9.2 Utilization of Project Aid : (Source wise) N/A.

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

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9.3 Re-imbursible Project Aid (RPA): N/A.

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

(In lakh Taka)

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
March,2017 to June,2018	March,2017 to June,2018	March,2017 to June,2018	-	

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	2477.45	2511.49	1925.73	(-) 22.09%	The Project was completed over 22.09% less than the DPP cost because some volume of scheduled dredging work has been reduced due to autodredging on the channel.
TAKA	2477.45	2511.49	1925.73		
PA	-	-	-		

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03. Project Personnel :

Sanctioned strength as per PP	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)	Existing manpower of the implementing agency were deployed during execution of the project. No separate manpower were engaged.					
Staff(s)						
Total :						

04. Training of Project Personnel (Foreign/Local) : There was no provision of training in this project.

Field of Training /Study tour/workshop/Seminar etc.	Provision as per PP		Actual		Remarks
	Number of person	Man -months	Number of person	Man -months	
1	2	3	4	5	6
a. Foreign	N/A				
b. Local	N/A				

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

(In lakh Taka)

Sl. No.	Items of work	Unit	Target (as per RDPP)		Actual Progress		Reasons for deviation (±)
			Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7	8
(a) Revenue Component							
1	Survey & Investigation & Environment Clearance (L.S.)	L.S.	10.00	L.S.	6.00	L.S.	
2	Petrol & Lubricant (L.S.)	L.S.	4.00	L.S.	3.99	L.S.	
3	Printing & Publication (L.S.)	L.S.	1.00	L.S.	1.00	L.S.	
4	Office Stationery, Seal & Stamps (L.S.)	L.S.	2.00	L.S.	2.00	L.S.	
5	Honourarium for different committee (L.S.)	L.S.	3.00	L.S.	2.42	L.S.	
6	Honourarium for Mid-Term Evaluation committee (L.S.)	L.S.	10.00	L.S.	10.00	L.S.	
	Repair, Maintenance and Rehabilitation.						
7	Repair & maintenance of existing vehicles (L.S.)	L.S.	2.00	L.S.	1.60	L.S.	
	a) Revenue Total		32.00		27.01		
(b) Capital Component							
	Acquisition of Assets						
1	Video Camera & Still Camera (2 Nos.)	Nos.	1.00	2	1.00	2	
2	Multimedia Projector with Screen & Sound System with accessories (1 No.)	Nos.	1.25	1	1.25	1	
3	Photocopier Machine with accessories (1 No.)	Nos.	2.00	1	2.00	1	
4	Brand new Computer with Laser Printer & accessories & UPS (1 No.)	Nos.	1.00	1	1.00	1	
	Construction and Civil Works						
5	Dredging of the Padma River near Kuthibari, Kumarkhali, Kushtia (Chainage km 0.00 to km 3.20 = 3.200 km, 14.19 lakh cum)	Meter (Lac cum)	1910.92	3200 (14.19)	1387.77	3200 (10.67)	Scope of work (dredging volume) reduced due to auto-dredging of the channel.
6	Temporary Protective Work (Chainage km 4.50 to km 5.25 = 0.750 km)	Meter	563.32	750	505.70	750	
	Capital Sub Total (b)		2479.49	100%	1898.72		
	Total (a+b)		2511.49	100%	1925.73		
	Price Contingency	L.S.	0.00	-	-		
	Price Contingency	L.S.	0.00	-	-		
	Grand Total (a+b)		2511.49	100%	1925.73	100%	

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
Mohammed Ali Addl. Chief Engineer BWDB, Faridpur Pay Scale: 56500-74400 (Grade-3)	Full Time	-	Yes	27.04.2017	08.11.2017	
AKM Waheduddin Chowdhury Addl. Chief Engineer BWDB, Faridpur. PayScale:56500-74400 (Grade-3)	Full Time	-	Yes	28.12.2017	Till date	

07. Procurement of Transport (in Nos.): No provision of transportation procurement in this project.

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
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	

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 perDPP	Contracted value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Dredging of the Padma River near Kuthibari, Kumarkhali, Kushtia (Chainage km 0.00 to km 3.20= 3.200 km)	19.11	17.13	10.10.17	18.10.17 (MoU signing with Dredger Directorate, BWDB)	30-06-18	30-06-18
Temporary Protective Work (Chainage km 4.50 to km 4.900 = 0.400 km) ID-150906 (Package no. SLDH/Kus/2017-18/L-1)	3.17	2.85	23-01-18	19-03-18	25-06-18	25-06-18
Temporary Protective Work (Chainage km 4.900 to km 5.250 = 0.350 km) ID-150907 (Package no. SLDH/Kus/2017-18/L-2)	2.47	2.22	23-01-18	19-03-18	25-06-18	25-06-2018

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

Name of the Field	Approved man month		Actual man month utilised	Remarks
	As per PP	As per contract		
1	2	3	4	5
a. Foreign	-	-	-	-
b. Local	-	-	-	-

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 PP :

(In lakh Taka)

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
2016-17	1222.25	1222.25	-	48.34%	0.00	0.00	-	0.00%
2017-18	1255.20	2477.45	-	51.66%	2511.49	2511.49	-	100.00%
Total	2477.45	2477.45	-	100.00%	2511.49	2511.49	-	100.00%

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
2016-17	-	-	-	-	-	-	-	-	-
2017-18	1932.00	1932.00	-	100.00%	1932.00	1925.73	1925.73	-	100.00%
Total	1932.00	1932.00	-	100.00%	1932.00	1925.73	1925.73	-	100.00%

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D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per DPP	Actual achievement	Reasons for shortfall, if any
The main objective of the Project is to protect The “Kuthibari” of Great Poet Robindranath Tagore under Kumarkhali Upazilla in the District of Kushtia from the erosion of the Padma River by execution of 3200 meter Dredging from km. 0.00 (Easting 719717.898, Northing 2648789.820) to km 3.20.00 (Easting 722703.760, Northing 2648008.360)	3200 meter Dredging work has been achieved and protective work along the Right Bank of Padma river near Kuthibari and adjacent area(3720 m) became more sustainable, which will protect the “Kuthibari” of Great Poet Robindranath Tagore under Kumarkhali upazilla in the District of Kushtia from the erosion of the Padma River .	No shortfall
Another important objective of the Project is to safe guard Shelaiah UP and adjacent areas, also vast arable lands potential for agricultural production as well as valuable establishments in the area from devastating erosion of the river Padma.	Shelaiah UP and adjacent areas, also vast arable lands potential of agricultural production as well as valuable establishments in the area have become more protected from the devastating erosion of the river Padma.	
Huge immovable Public and Private Properties with estimated total worth of Tk. 67517.00 lakh dispersed in the vicinity of affected area will be saved from the river erosion by implementing both dredging work and protective work under this project and the Project “Protection of the Kuthibari and adjacent areas of Great poet Robindranath Tagore along the right bank of Padma river under Kushtia District” respectively.	The immovable public and private properties dispersed in the vicinity of affected area have been saved from the erosion of the river Padma.	

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).
It's a supplementary project to "Protection of the “Kuthibari” and adjacent areas of Great Poet Robindranath Tagore along the Right Bank of Padma River under Kushtia District". Output of dredging under this project is to ensure sustainability of the protective work project being implemented on the same reach of the river. As dredging has been done, as per design & specification, the flow of the river has already been diverted to the dredged channel & reduced hydraulic thrust on protective work on concave bank. Thus it adds sustainability to the protective work project which aims to protect upto 2000 ha land area.			

(x)

02. Cost / Benefit :

Item	Estimated	Actual
(1) Benefit cost ratio of the project		
(i) Financial	1.13:1.00	Will be evaluated later by concern directorate of BWDB & IMED.
(ii) Economic	1.33:1.00	
(2) Internal Rate of Return		
(i) Financial	13.91%	
(ii) Economic	16.83%	

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

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F. MONITORING AND AUDITING

0.1 Monitoring:

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
<u>Ministry / Agency:</u> Mid-Term Evaluation committee consisting of 12(twelve) members, 1) Mr. Mohammad Yusouf Additional Secretary (Development) Ministry of Water Resources. 2) Mr. Mantu Kumar Biswas, Joint Chief Ministry of Water Resources 3) Mr. Abdul Azim Chowdhury Joint Chief (Irrigation), Planning Commission 4) Mr. Mohammad Jahingir Kabir Director General, IMED. 5) Mr. Md. Jane Alam Deputy Chief, Ministry of Water Resource. 6) Mrs. Begam Nurzahan Khatun Deputy Secretary Ministry of Water Resource 7) Mr. Nikhil Kumar Das, Deputy Chief (Irrigation), Planning Commission. 8) A K M Waheduddin Chowdhury. Project Director/Chief Engineer, Western Zone, BWDB, Faridpur. 9) Mrs. Firoza Khatun Joint Chief, Office of Chief Planning, BWDB, Dhaka. 10) Mr. Md. Foridul Islam Senior Assistant Chief (Irrigation) Planning Commission. 11) Mr. Arifuzzaman Khan Executive Engineer Kushtia O&M Division BWDB, Kushtia 12) Mr. Md. Siddikur Rahaman Senior Assistant Chief, Ministry of Water Resource	06.04.2018 to 07.04.2018	b) About Dredging alignment unadjustment between BWDB & BIWTA. d) Temporary Protective work was not started.	a) Dredging work must to be complete within june/2018 (It was done as per recommendation) b) Dredging alignment to be adjustment between BWDB & BIWTA. (It was done.) c) To take initiative about Land reclamation. (Initiative was taken) d) Temporary Protective work to be begin as soon as possible. (Temporary Protective work started very shortly after that visit and successfully completed in stipulated time.) e) To take initiative about resolving audit. (Yet to be audited. If any objection arises during auditing, necessary actions will be taken to resolve it).

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0.2. Auditing during and after Implementation:

2.1. Internal Audit: Not yet conducted.

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: Not yet conducted.

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:

The Padma is one of the most important river in Bangladesh. This river is morphologically very active. The rate and year-round fluctuation of water flow as well as sediment transportation are very high. Consequently, erosion-deposition, channel shifting and bar (Char) development is common phenomena in this river. The erosion of Padma river at Shelaiah Union Porishad is under constant threat of very severe erosion since last five years. As a result, the "Kuthibari" of Nobel Laureate Great Poet Robindranath Tagore at Shelaiah in Kumarkhali of Kushtia district was under serious threat of river erosion of Padma, which was then flowing only 500 meters away from this historic heritage. The historic "Kuthibari" was likely to be devoured by the river soon, if preventive measures were not taken immediately.

The most affected district by Padma River erosion is Kushtia. Average rate of erosion is about 50 m per year. Due to change of course of river, hundreds of houses, trees, mosques and other establishment were engulfed by the mighty Padma River. So, in these circumstances river bank protection work is very much essential to keep the river bank in position as well as to save the historic "Kuthibari" from the erosion of Padma river.

For this reason, a DPP named "Protection of the "Kuthibari" and adjacent areas of Great Poet Robindranath Tagore along the Right Bank of Padma River under Kushtia District." has been approved by ECNEC meeting held on 09.06.2015.

In this project there was no component of Dredging for removal of char. During that ECNEC meeting, Honorable Prime Minister gave directives to take another project (below 25 crore) of Dredging for char removal. According to the decisions taken in the ECNEC meeting, Bangladesh Water Development Board formed a Technical Committee on 04.08.2015 and according to the submitted report of Technical Committee, this DPP has been formed.

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1.2: Justification/Adequacy:

Bangladesh is a riverine country and bank-line erosion of different rivers has been a recurrent effect. River bank erosion in alluvial lands of Bangladesh is a complex and dynamic thrust of nature due to strong onrush of water and major variation in between normal water flow and surges of inflow during monsoon & post-monsoon period in each year. Besides this River system carry 1 billion ton silt each year.

The large seasonal variation in river flow/velocity results in varying sediment transportation capacity and causes river-bank erosion, sedimentation on river bed, migration of river-bank and meandering river channels. There is a direct relevance of the project to the objectives stated above.

The project named "Dredging of the Padma river in connection with the protection of the "Kuthibari" of Great Poet Rabindranath Tagore and adjacent areas under Kushtia District" is a supplementary Project of the project "Protection of the "Kuthibari" and adjacent areas of Great Poet Rabindranath Tagore along the Right Bank of Padma River under the Kushtia District". The objective of The Dredging Project is to make more strengthening/sustainable of river bank Protective work through "Kuthibari" project and to control/restrict the river course from direct hit the river bank which causes erosion. The ultimate objective of safety of lives, properties, Kuthibari" of Nobel Laureate Great Poet Rabindranath Tagore at Shelaidah in Kumarkhali of Kushtia and its economic impacts will be fulfilled for improved socio-economic and environmental impacts.

1.3: Objectives:

- ❖ The main objective of the Project is to frame more sustainable protection of the "Kuthibari" of Great Poet Rabindranath Tagore under Kumarkhali upazilla in the District of Kushtia from the erosion of the Padma River by execution of Dredging of the Padma River.
- ❖ Another important objective of the Project is to save Shelaidah UP and adjacent areas, also vast arable lands Potential for agricultural Production as well as valuable establishments in the area from devastating erosion of the river Padma.
- ❖ By increasing cross section through Dredging, water carrying capacity will be increased and bank erosion may be decreased.
- ❖ To ensure allowable depth for navigation and uninterrupted water flow in dry season which water is shared at Farrakka according to the Ganges Water Sharing treaty-1996.
- ❖ Another important objective of the Project is to develop/fill eroded concave bank by using dredged spoil earth/alluvial deposits according to the decision of the ECNEC meeting held on 09.06.2015.
- ❖ Huge immovable Public and Private Properties with estimated total worth of 67517.00 lakh dispersed in the vicinity of affected area will be saved from the river erosion.

The benefits of the Project will be mainly more sustainable protection of the "Kuthibari" of Great Poet Rabindranath Tagore under Kumarkhali upazilla in the District of Kushtia from the erosion of the Padma river by execution of dredging of the Padma River. The Robindra Kuthibari is a historical heritage. So, the value of the Kuthibari cannot be quantified in terms of money.

Apart from that, valuable properties (both public and private) including infrastructures such as 2000 ha. agricultural land, 20 km Metallic road, 80 km UP road, 60 nos. of Bridges/culverts including many other valuable Public and Private properties dispersed in the vicinity of Erosion affected area valued total Tk. 67517.00 lakh (at current market price) will supposed to be saved from vulnerability of river bank erosion by virtue of implementation of the project.

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1.4: Project revision with reasons:

The original DPP was submitted on November, 2015 and approved in March, 2017. Dredging alignment and 2000 meter Dredging length was fixed on the basis of approved design. In the mean time the morphology of the river has changed which forced to change the alignment and length of dredging work. Based on present morphological condition, BWDB formed a technical committee on 12.09.2017 to refix up the alignment and length of dredging work. The technical committee has submitted a technical report with recommendations of fixing revised alignment and length (3200 meter) of dredging with respect to the revised and approved design. According to design volume of dredging work has increased. For this the cost of dredging has increased from the original DPP.

The design prepared for 750 meter temporary bank protection works was approved on 27.12.2016 and the same design was approved as working design. The estimate for the protective work in original DPP was prepared with following the rate schedule 2015-16 of Kushtia O & M Circle, BWDB, Kushtia. Here the costing of sand for filling of geo-bag was excluded. During the Implementation period FY 2017-18 working design of temporary bank protective work had been changed by recommendation of technical committee. In the meantime, the schedule rates of the major construction materials had been increased due to higher market price and adding the cost of sand filling geo-bag. Therefore, increasing of rate schedule and addition of cost of sand for filling of geo-bag, the construction cost for temporary river bank protective work has been increased from the original DPP.

According to the above reason the original approved DPP (approved by the Ministry of Planning and issued on 22-03-2017) amounting to taka 24.7745 Crore for "Dredging of the Padma river in connection with the Protection of the "Kuthibari" of Great Poet Robindranath Tagore and its adjacent area under Kushtia District" has required to revise. According to the decision of RDPP rationalization meeting held on 14-02-2018, the RDPP has been revised to Tk. 25.1149 Crore to meet up the actual cost of the said DPP works. In the revised DPP, the increased amount is 0.3404 Crore, which is 1.37% Higher than the original Approved DPP.

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

Once the main flow of this river was beside Pabna district but due to change of river Morphology, now the river is flowing through Kushtia district. The erosion of Padma river at Shelaidah Union Porishad is now under constant threat of very severe erosion since last five years. As a result, the "Kuthibari" of Nobel Laureate Great Poet Robindranath Tagore at Shelaidah in Kumarkhali of Kushtia district under serious threat of river erosion of Padma, to safe the historic "Kuthibari" from the erosion of Padma river.

A DPP named "Protection of the "Kuthibari" and adjacent areas of Great Poet Robindranath Tagore along the Right Bank of Padma River under Kushtia District." had been approved by ECNEC meeting held on 09.06.2015. In this project there was no component of Dredging for Char cutting. A decision was given in the ECNEC meeting to take another project (below 25 crore) of Dredging for char cutting. For this reason, a DPP named "Dredging of the Padma river in conection with the protection of the "Kuthibari" of Great Poet Rabindranath Tagore and adjacent areas under Kushtia District"" has been approved by ECNEC meeting held on 22.03.2017.

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

◆ Project Identification

The project is located along the Right Bank of Padma River at Sultanpur and Shelidah area of Kumarkhali upazilla of Kushtia District. It is suplimentary project to "Protection of the "Kuthibari" and adjacent areas of Great Poet Robindranath Tagore along the Right Bank of Padma River under the Kushtia District". During that project's approval on ECNEC meeting, held on 09.06.2015, Honorable Prime Minister gave directives to take a low-cost dredging project to remove char from the river on protective work being implemented. Dredging will mostly divert flow to the dredged channel and make implemented protective work on concave bank more sustainable. According to directives from ECNEC, BWDB formed a technical committee 04.08.2015. The technical committee submitted their report on 29.10.2015.

(4)

According to recommendations from that report, a DPP was prepared and was processed for approval.

◆ **Project Preparation**

This project was formulated as per report submitted by the Technical Committee constituted by the Board Technical Report published in October 2015. As per recommendation, the project was prepared with a view to protecting the approved protective work from the existing severe hydraulic thrust. Additionally, the inhabitants and infrastructures of Shelidah and Sultanpur area would be protected from the vulnerability of hazardous erosion. This project would help to regain the natural flow in dredged alignment and with all these achievements the socio-economic life would be improved by reducing poverty in concerned area.

◆ **Appraisal**

The appraisal meeting of this project was held on 07.06.2016 at Planning Commission.

- ◆ **Credit Negotiation:** Not Applicable.
- ◆ **Credit Agreement:** Not Applicable.
- ◆ **Credit Effectiveness:** Not Applicable.
- ◆ **Loan Disbursement:** Not Applicable.
- ◆ **Loan Conditionalities:** Not Applicable.

◆ **Project Approval.**

The project was approved on 15.03.2017 by Honorable Minister, Ministry of Planning & revision was approved on 17.04.2018 by Honorable Minister, Ministry of Water Resources.

- ◆ **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.**

O&M of the permanent protective works (under the main project) will be carried out by regular O&M budget of BWDB. If the dredged channel (under this project) requires maintenance dredging after some year, initiatives will be taken to implement that.

- 4.4 **Impact of the project -**

4.4.1 Direct

- Protection of the historic Kuthibari from the threat of river bank erosion.
- Act as a safe guard for the vast arable lands potential for agricultural production located at Shelidah UP and adjacent area.
- Boosting up the conveyance capacity of the Padma river along the dredged alignment.
- Reduce hydraulic thrust on the approved bank protective work.

4.4.2 Indirect

- Safety of human livelihood and properties.
- Improvement of socio-economic condition by reducing poverty.

- 4.5 **Transfer of Technology and Institutional Building through the project**

Not Applicable.

- 4.6 **Employment generation through the project.**
Many skilled/unskilled workers were employed during construction period.
- 4.7 **Possibility of Self employment**
There are possibilities of self employment as existing commercial, industrial and business centres are protected from river bank erosion & the environmental degradation.
- 4.8 **Possibility of women-employment opportunity**
Yes, there is possibility of women-employment through the project benefited area enhanced.
- 4.9 **Women's participation in development**
Yes.
- 4.10 **Probable Impact on Socio-Economic activity.**
By Dredging to make more sustainable of protective work of protecting the river bank erosion, various infrastructures are saved from the erosion. As a result, socio-economic balance in the locality is enhanced.
- 4.11 **Impact on environment**
Environmental enhancement is achieved through the implementation of the project.
- 4.12 **Sustainability of the project**
The project is sustainable but requires periodic maintenance.
- 4.13 **Contribution to poverty alleviation/reduction**
 - Huge immovable public & private properties inside 3720 m protective protective work at "Kuthibari" and adjacent areas of Great Poet Robindranath Tagore along the Right Bank of Padma River estimated total worth of Tk. 46788.00 lakh is saved from river bank erosion by the implementation of the project.
 - It generated employment for skilled/unskilled workers during construction period and also in annual O&M phase. Also, better employment access in business sector is enhanced.
 - Natural security against river bank erosion is restored.
- 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-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		

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

7

6: Remarks & Recommendations of the Project Director:

Before the implementation of this project, “Kuthibari” of Nobel Laureate Great Poet Robindranath Tagore at Shelaidah in Kumarkhali of Kushtia district was under serious threat of Padma river erosion. From the erosion pattern of last several years, BWDB suggested that the historic “Kuthibari” was likely to be devoured by the river soon, if preventive measures were not taken immediately. The morphological change in river course affected the inhabitants and infrastructures of adjacent area being prone to serious threat of erosion. To save that particular area, the protective work excluding dredging was approved. But according to the experts’ opinion, that approved protective work would lose its stability due to the shifting of natural river course. At this point, this dredging work became justified with a view to mitigating the thrust on protective work. After successful implementation of this project, the Padma river now revives along the dredged alignment. Additionally, it saved valuable properties (both public and private) including infrastructures such as 2000 ha. agricultural land, 20 km Metallic road, 80 km UP road, 60 nos. of Bridges/culverts including many other valuable public and private properties dispersed in the vicinity of erosion affected area. By saving a vast amount of agricultural land, it will contribute to alleviate poverty and hunger of the project area. Also the adverse effect of climate change is mitigated through the conservation of sustainable terrestrial ecosystem. Thus, the implementation of this project asserts a strong positive impact on socio economic life by fulfilling the goals 1,2,11,12,13 and 15 of Sustainable Development Goals (SDG) set by United Nations Development Programme.

Project was implemented properly followed respective design, drawing and specification. The quantity and quality of sand filled geo-bags etc. were ensured by task force of BWDB and concerned field office. But proper monitoring and maintenance dredging will be required in future to ensure the main river course in position. In future permanent protective work at temporary protected area is required to ensure the permanent protection/sustainability of the bank.

Date: 6.9.2018

 6.9.2018
(A K M Waheduddin Chowdhury)
Project Director
&
Addl. Chief Engineer
Western Zone
BWDB, Faridpur.

7. Remarks/Comments of Agency Head

This project was taken according to directives given by Honorable Prime Minister during ECNCC meeting. This is a supplementary project to protect Kuthibari of great poet Rabindranath located at right bank of Padma river. As dredging has been done, the flow of river has already been diverted to the dredged channel & reduced risk of further erosion on ~~protective~~ protected concave bank. This project aids sustainability of the protective work implemented on the same reach.

Date:


20/02/2015
Signature and Seal
Director General
BWDB, Dhaka.

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

Date:

Signature and Seal