

PROJECT COMPLETION REPORT

IMED 04/2003(Revised)



BANGLADESH WATER DEVELOPMENT BOARD

Name of the Project: Bank Protection works along the Teesta Right Bank in Gangachara and Rangpur Sadar Upazilla in District Rangpur (1st Revised).

Name of Division: Rangpur O & M Division.

Name of Circle: Rangpur O & M Circle-1.

Name of Zone: Northern Zone, BWDB, Rangpur.

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:** Bank Protection works along the Teesta Right Bank in Gangachara and Rangpur Sadar Upazilla in District Rangpur (1st Revised).
02. **Administrative Ministry/Division:** Ministry of Water Resources
03. **Executing Agency:** Bangladesh Water Development Board.
04. **Location of the Project:** Upazila: Rangpur Sadar & Gangachara, District: Rangpur
05. **Objective of the Project :**

- ✓ To reduce Poverty and hunger for poor people living in the nearby areas of the Teesta River and to ensure more secured livelihood.
- ✓ To ensure a sustainable measure for bank protection along the Teesta River with a stable bank line.
- ✓ To introduce a flood free zone and thus increasing food production; and
- ✓ Directly improve the economic and social situation of the people of the nearby areas' people in a sustainable way.

06. **Estimated Cost :**

(In lakh Taka)

	Original	Latest Revised
(a) Total	12539.20	16883.80
(b) Taka	12539.20	16883.80
(c) Foreign Currency	-	-
(d) Project Aid	-	-
(e) RPA	-	-

07. **Date of Approval :**
- | | PCP | DPP |
|--------------------|-----|------------|
| (a) Original | | 24-05-2016 |
| (b) Latest Revised | | 09-10-2018 |

08. Implementation Period :

	Date of Commencement	Date of Completion
(a) Original	01-04-2016	30-06-2018
(b) Latest Revised	01-04-2016	30-06-2019
(c) Actual	01-08-2016	30-06-2019

09. Financing Arrangement (Source-wise) :

9.1 Status of Loan/Grant

a) Foreign Financing :

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
Not Applicable							

b) GOB :

(In lakh Taka)

Total amount	Loan	Grant	Cash Foreign Exchange
1	2	3	4
16883.80	-	16883.80	-

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
N/A						

9.3 Re-imbursible Project Aid (RPA):

(In lakh Taka)

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

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
April,2016 to June,2018	April,2016 to June,2019	August,2016 to June,2018	52.17 %	Due to increased scope of work.

02. Cost of the Project :

(In lakh Taka)

Description	Estimated Cost		Actual expenditure	Cost over-run (% of original cost)	Remarks
	Original	Latest revised			
1	2	3	4	5	6
TOTAL	12539.20	16883.80	15897.35	26.78%	Due to increased scope of work.
TAKA	12539.20	16883.80	15897.35	26.78%	
PA	-	-	-	-	

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):16	-	-	16	-	15	1
Staff(s): 20	-	-	20	-	20	-
Total :36	-	-	36	-	36	-

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

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

Field of Training /Study tour/workshop/ Seminer 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				



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

(In lakh Taka)

Items of work (as per PP)	Unit	Target (as per PP)		Actual Progress		Reasons for deviation (±)
		Financial	Physical (Quantity)	Financial	Physical (Quantity)	
1	2	3	4	5	6	7
<u>Revenue:</u>						
Petrol & Lubricant	item	10.00	1 item	9.99	1 item	
Printing and Publications	item	4.00	1 item	0.94	1 item	
Fax-telex	item	0.50	1 item	-	-	
Stationery, Seal and Stamp	item	5.00	1 item	4.99	1 item	
Survey & Investigation	item	6.00	1 item	6.00	1 item	
Honorium/Fee/Remuneration of different Committee	item	10.00	1 item	9.97	1 item	
Honorarium for Mid Term Evaluation	item	4.00	1 item	-	1 item	
DOE	item	0.00	-	-	-	
Repair & maintenance of existing vehicles (Jeep 2 nos. & Motor Cycle 5 nos.)	item	7.00	7 nos	6.95	7 nos	
Repair & maintenance of IB & SE/ XEN Residence	item	18.00	1 item	17.95	1 item	
<u>Capital:</u>						
Purchase of Double Cabin Picup	Nos.	55.00	1 Nos	50.16	1 Nos	
Purchase of Motor Cycle, 2 nos. 125 C.C	Nos.	3.98	2 Nos	3.98	2 Nos	
Survey Instrument, 2 set.	Set	2.80	2 Set	2.80	2 Set	
Digital GPS	Set	2.00	1 Set	2.00	1 Set	
Brand Computer with accessories (Two laptop & one Desktop) 1 No.	No.	1.91	3 Nos	1.91	3 Nos	
<u>Construction Works:</u>						
Re-sectioning of Teesta right bank in between km 0.00 to km.46.00 =35.00 km.	Km.	1608.70	35.00 km	1121.36	32.00 km	Eviction of illegal establishment / structure couldn't be done.
River Bank Protection work (Repair) 4718 m.	Km.	5787.40	4.718 km	5723.56	4.718 km	
River Bank Protection work (new) 5696 m.	Km	8773.13	5.696 km	8514.90	5.696 km	
Dredging of Teesta river (4.00 km.). 424064.97 Cum	Km cum	534.38	4.00 km 424064.97 Cum	419.89	4.00 km 333579.00 Cum	
O&M During construction	item	0.00				
Physical Contingency		25.00	-	-	-	
Price Contingency		25.00	-	-	-	
Total		16883.80	100.00%	15897.35	97.00%	

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06. Information regarding Project Director (s) :

Name & Designation with pay Scale.	Full time	Part time	Responsible for more than one project	Date of		Remarks
				Joining	Transfer	
1	2	3	4	5	6	7
Md. Harun-Ar- Rashid (Superinten ding Engineer) (50000- 71200) /-	Full Time	-	Yes	13-01-2016	Till date	

07. Procurement of Transport (in Nos.) :

Type of transport	Number as per P.P.	Procured with date	Transferred to Transport Pool with date	Transferr ed to O & M with date	Condemned/ damaged with date	Remarks
1	2	3	4	5	6	7
Car						
Jeep						
Microbus						
Minibus						
Bus						
Pick-up	1	24.06.2019		20 Sep, 2019		Applied for registration
Truck						
Motor Cycle	2	29.06.2017		20 Sep, 2019		Rangpur ha- 15-4666 and other applied for registration Sectional officer gangachara and rangpur o & m section-1
By-cycle						
Speed Boat						
Launch						
Others with name						

08. Procurement of Goods, Works and Consultancy Services:

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

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Propo sal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contract value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Construction of Bank Revetment work on the right bank of the River Teesta from km 36.600 to 36.850 total 250.00m at Sangerpar-Bagdhora in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-12 of Tender ID no. 66644.	374.89	391.58	22-09-2016	12-01-2017	29-06-17	01-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 37.800 to 38.200 total 350.00m at Kachua in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-13 of Tender ID no. 66645.	570.04	572.68	22-09-2016	12-01-2017	29-06-17	08-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 38.200 to 38.600 total 350.00m at Kachua in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-14 of Tender ID no. 66646.	506.80	527.10	22-09-2016	12-01-2017	29-06-17	01-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 32.800 to 33.150 total 350.00m at Hazipara-Paikan in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-15 of Tender ID no. 68959.	570.62	540.62	16-10-16	12-01-2017	29-06-17	06-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 33.150 to 33.515 total 326.00m at Hazipara-Paikan in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-16 of Tender ID no. 68961.	518.28	510.74	16-10-16	12-01-2017	29-06-17	06-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 33.550 to 34.00 total 335.00m at in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-17 of Tender ID no. 68962.	578.46	552.46	16-10-16	12-01-2017	29-06-17	30-06-18



Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Propo sal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contract value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Construction of Bank Revetment work on the right bank of the River Teesta from km 31.000 to 31.433 total 350.00m at Chilakhal in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-18 of Tender ID no. 68963.	570.68	572.81	16-10-16	12-01-2017	29-06-17	30-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 31.500 to 31.900 total 350.00m at Chilakhal in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-21 of Tender ID no. 68964.	527.12	527.85	16-10-16	12-01-2017	29-06-17	30-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 31.900 to 32.300 total 349.00m at Chilakhal in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-22 of Tender ID no. 68965.	515.65	511.38	16-10-16	12-01-2017	29-06-17	30-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 34.050 to 34.400 total 335.00m at Bairati Bankpara in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-23 of Tender ID no. 68966.	572.45	572.81	16-10-16	12-01-2017	29-06-17	05-05-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 23.425 to 23.741 total 316.00m at Gannarper in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-04 of Tender ID no. 79193.	475.27	468.66	12-12-16	22-03-2017	29-06-17	05-05-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 23.741 to 24.057 total 316.00m at Gannarper in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-05 of Tender ID no. 79194.	487.15	487.58	12-12-16	22-03-2017	15-05-18	15-05-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 24.057 to 24.373	458.29	458.99	12-12-16	22-03-2017	15-05-18	15-05-18

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Propo sal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contract value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
total 316.00m at Gannarper in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-19 of Tender ID no. 79195.						
Construction of Bank Revetment work on the right bank of the River Teesta from km 16.390 to 16.640 total 250.00m at Salapak (from 0.500 to km. 0.750 of Salapak Protection Projec)t in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-27 of Tender ID no. 79196.	362.58	362.64	12-12-16	22-03-2017	30-06-18	30-06-18
Construction of Bank Revetment work on the right bank of the River Teesta from km 21.750 to 22.000 total 250.00m at Bijoy Bandh (from 0.000 to km. 0.250 of Bijoy Bandh) in Upazilla Gangachara, District Rangpur during the year 2016-2017. (Package no. RAN/TRE-25 of Tender ID no. 87337.	310.38	311.22	28-02-16	12-06-2017	31-05-18	31-05-18
Repairing of protective work on the Right Bank of the River Teesta from Km. 28.100 to Km.28.350 total 250 m at Singimari in Upazilla- Gangachara Dist. Rangpur under Rangpur O & M DivisionBWDBRangpur during the year 2017-18. (Package no. RAN/TRE-11 of Tender ID no. 111791).	320.65	320.86	26-07-17	04-12-2017	15-06-18	15-06-18
Construction of Bank Revetment work on the Right Bank of the River Teesta from Km. 24.373 to Km.24.690 total 317.00 m at Gannarpar in Upazilla- Gangachara Dist. Rangpur under Rangpur O & M DivisionBWDBRangpur during the year 2017-18. (Package no. RAN/TRE-20 of Tender ID no. 111792).	520.20	524.15	26-07-17	03-12-2017	15-06-18	15-06-18
Construction of Bank Revetment work on the Right Bank of the River Teesta in between Km. 34.500 to Km.35.000 total 336.00 m at Bairati-Bankpara in Upazilla- Gangachara Dist. Rangpur under Rangpur O & M Division,BWDB, Rangpur during the year 2017-18. (Package no.	501.18	503.59	26-07-17	22-03-2017	15-06-18	30-06-18

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Propo sal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contract value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
RAN/TRE-24 of Tender ID no. 112706).						
Repairing of Bank Revetment work on the Right Bank of the River Teesta in between Km. 20.140 to Km.21.750 total 550.00 m at Bijoy Bundh From km.0.250 to km 1.860 of Bijoy Bundh in Upazilla-Gangachara Dist. Rangpur under Rangpur O & M Division BWDB Rangpur during the year 2017-18. (Package no. RAN/TRE-26, Tender ID no. 111793).	474.02	474.86	26-07-17	30-11-2017	31-05-18	31-05-18
Construction of Bank Revetment work on the Right Bank of the River Teesta from Km. 16.140 to Km.16.390 total 250.00 m at Salapak From km.0.750 to km 1.000 of Salapak Protection Project in Upazilla- Gangachara Dist. Rangpur under Rangpur O & M Division BWDB Rangpur during the year 2017-18. (Package no. RAN/TRE-28, Tender ID no. 111794).	353.09	353.29	26-07-17	30-11-2017	31-05-18	31-05-18
Repair /Re-sectioning of Teesta Right Embankment from km. 0.000 to km. 4.000= 4000.00m in Upazilla-Gangachara Dist. Rangpur under Rangpur O&M Division BWDB Rangpur during the year 2017-2018. (Package no. RAN/TRE-06, Tender ID no. 208285).	221.69	221.69	18-06-18	14-11-2018	28-06-19	28-06-19
Repair /Re-sectioning of Teesta Right Embankment in between km. 4.000 to km. 14.500=7500.00m in Upazilla- Gangachara Dist. Rangpur under Rangpur O&M Division BWDB Rangpur during the year 2017-2018 (Package no. RAN/TRE-07, Tender ID no. 208286).	479.63	479.63	18-06-18	15-11-2018	28-06-19	28-06-19
Repair /Re-sectioning of Teesta Right Embankment in between km. 14.500 to km. 25.000=7500.00m in Upazilla- Gangachara Dist. Rangpur under Rangpur O&M Division BWDB Rangpur during the year 2017-2018. (Package no. RAN/TRE-08, Tender ID no. 208287).	431.33	431.33	18-06-18	14-11-2018	28-06-19	28-06-19

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Propo sal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contract value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Repair /Re-sectioning of Teesta Right Embankment in between km. 25.000 to km. 35.500 = 8000.00m in Upazilla- Gangachara, Dist. Rangpur under Rangpur O&M Division, BWDB, Rangpur during the year 2017-2018. (Package no. RAN/TRE-09, Tender ID no. 208288).	233.70	233.70	18-06-18	14-11-2018	28-06-19	28-06-19
Repair /Re-sectioning of Teesta Right Embankment in between km. 35.500 to km. 43.500 = 8000.00m in Upazilla- Gangachara, Dist. Rangpur under Rangpur O&M Division, BWDB, Rangpur during the year 2017-2018. (Package no. RAN/TRE-10, Tender ID no. 208289).	242.31	242.31	18-06-18	14-11-2018	28-06-19	28-06-19
Repairing of Bank Revetment work on the Right Bank of the River Teesta in between km. 30.00 to 31.000 = 700.00m at Godowner Hat in Upazilla- Gangachara, Dist. Rangpur under Rangpur O&M Division, BWDB, Rangpur during the year 2017-2018. (Package no. RAN/TRE-32, Tender ID no. 208290).	901.62	901.62	18-06-18	14-11-2018	28-06-19	28-06-19
Repairing of Bank Revetment work on the Right Bank of the River Teesta from km. 32.300 to 32.558 = 258.00m at South para in Upazilla- Gangachara, Dist. Rangpur under Rangpur O&M Division, BWDB, Rangpur during the year 2017-2018. (Package no. RAN/TRE-33, Tender ID no. 208291).	327.35	327.35	18-06-18	14-11-2018	28-06-19	28-06-19
Repairing of Bank Revetment work on the Right Bank of the River Teesta in between km. 35.400 to 36.100 = 400.00m at Bairati in Upazilla- Gangachara, Dist. Rangpur under Rangpur O&M Division, BWDB, Rangpur during the year 2017-2018. (Package no. RAN/TRE-35, Tender ID no. 208293).	523.54	523.54	18-06-18	14-11-2018	28-06-19	28-06-19
Repairing of Bank Revetment work on the Right Bank of the River Teesta in between km. 36.300 to 36.600 = 250.00m at Baghdhara in	335.80	334.33	18-06-18	12-11-2018	28-06-19	28-06-19

Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Propo sal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contract value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Upazilla- Gangachara, Dist. Rangpur under Rangpur O&M Division, BWDB, Rangpur during the year 2017-2018. (Package no. RAN/TRE-36, Tender ID no. 208294).						
Repairing of Bank Revetment work on the Right Bank of the River Teesta in between km. 37.250 to 37.800 = 450.00m at Purbo Kachua in Upazilla- Gangachara, Dist. Rangpur under Rangpur O&M Division, BWDB, Rangpur during the year 2017-2018. (Package no. RAN/TRE-38, Tender ID no. 208296).	604.32	604.32	18-06-18	14-11-2018	28-06-19	28-06-19
Repairing of Bank Revetment work on the Right Bank of the River Teesta from km. 38.600 to 38.980 = 380.00m at Kachua in Upazilla- Gangachara, Dist. Rangpur under Rangpur O&M Division, BWDB, Rangpur during year 2017-2018. (Package no. RAN/TRE-39, Tender ID no. 208297).	494.24	493.19	18-06-18	14-11-2018	28-06-19	28-06-19
Repairing of Bank Revetment work on the Right Bank of the River Teesta in between km. 22.000 to 23.000 =600.00m at Mohipur in Upazilla- Gangachara Dist. Rangpur under Rangpur O&M Division BWDB Rangpur during the year 2017-2018. (Package no. RAN/TRE-41, Tender ID no. 208299).	809.17	799.79	18-06-18	14-11-2018	28-06-19	28-06-19
Repairing of Bank Revetment work on the Right Bank of the River Teesta in between km. 19.780 to 20.140 300.00m Km. (1.860 to Km. 2.220 of Bijoy Bundh) in Upazilla- Gangachara Dist. Rangpur under Rangpur O&M Division BWDB Rangpur during the year 2017-2018. (Package no. RAN/TRE-29, Tender ID no. 208300).	304.47	304.47	18-06-18	14-11-2018	28-06-19	28-06-19

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Description of procurement (goods/works /consultancy) as per bid document	Tender/Bid/Propo sal Cost (in lakh Taka)		Tender/Bid/Proposal		Date of completion of works/services and supply of goods	
	As per PP	Contract value	Invitation date	Contract signing/ L.C opening date	As per contract	Actual
1	2	3	4	5	6	7
Dredging of Teesta River from KM 31.700 to KM 32.700=1000m at Chilakhali and from KM 37.400 to KM 39.00=1600m at Kachua, Total 2600.00 m in Upazila Gangachara District Rangpur under Rangpur O & M Division BWDB Rangpur (Package no. RAN/TRE-30, Tender ID no. 208301).	399.79	399.79	18-06-18	12-11-2018	28-06-19	12-03-19

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

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 :	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 PP :

(In lakh Taka)

Financial Year	Financial provision & physical target as per original PP				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
2015-16	4194.42	4194.42	-	33.45	0.00	0.00	-	0.00
2016-17	5058.82	5058.82	-	40.34	2422.19	2422.19	-	19.32
2017-18	3285.96	3285.96	-	26.21	6850.49	6850.49	-	36.18
2018-19	-	-	-	-	7611.12	7611.12	-	44.50
Total	12539.20	12539.20	-	100.00%	16883.80	16883.80	-	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
2015-16	-	-	-	-	-	-	-	-	-
2016-17	2500.00	2500.00	-	19.32	2500.00	2422.19	2422.19	-	19.32
2017-18	7150.00	7150.00	-	36.18	7150.00	6850.49	6850.49	-	36.18
2018-19	7417.00	7417.00	-	44.50	7416.06	6624.67	6624.67	-	41.50
Total=	17067.00	17067.00	-	100.00%	17066.06	15897.35	15987.35	-	97.00 %



D. ACHIEVEMENT OF OBJECTIVES OF THE PROJECT :

Objectives as per PP	Actual achievement	Reasons for shortfall, if any
(a) To reduce Poverty and hunger for poor people living in the nearby areas of the Teesta River and to ensure more secured livelihood.	(a) Reduction of poverty & hunger for the poor people living near the banks of Teesta river. Also more secured livelihood opportunities have been explored.	No shortfall
(b) To ensure a sustainable measure for bank protection along the Teesta River with a stable bank line.	(b) A stable river bank line have been developed by implementing permanent protective work.	
(c) To introduce a flood free zone and thus increasing food production;	(c) Resectioning of existing embankmen has ensured flood safety inside the embankment. Thus flood free area contribute to incremental food production.	
(d) Directly improve the economic and social situation of the people of the nearby area's people in a sustainable way.	(d) This project contribute to socio-economic improvement of the stakeholders.	

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).
Agriculture Land	ha	1500.00	1500.00
Homestead	Nos	500 Pucca 1000 Semi Pucca 2000 Katcha	500 Pucca 1000 Semi Pucca 2000 Katcha
Pond including the value of Fish	Nos	50.00	50.00
Electric Line	Km	50.00	50.00
Transformer etc.	Nos	50.00	50.00
Hat, Bazar (including shops)	Nos	155.00	155.00
Schools, Colleges, Mosques, UP Office, Family Planning Office & other Govt. Building.	Nos	395.00	395.00
Upazila Complex, Upazila Hospital & Govt Food Godown	Nos	6.00	6.00
Pacca Road	Km	25.00	25.00
Kacha Road	Km	75.00	75.00
Bridges & Culverts	Nos	46.00	46.00
Flood Control Embankment	km	46.5	46.5

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02. Cost / Benefit :

Item	Estimated	Actual
(1) Benefit cost ratio of the project (i) Financial	i) 1.73 : 1.00	Will be evaluated later by concerned directorate of BWDB & IMED.
(ii) Economic	ii) 1.97: 1.00	
(2) Internal Rate of Return (i) Financial	i) 25.39 %	
(ii) Economic	ii) 29.30 %	

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

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> 1) Mr. Mir Mosharrof Hossain Chief Engineer Northern Zone, BWDB, Rangpur.	02-12-2018	No Problems Found	
2) Eusuf Harun Khan Addl. Secretary Ministry of water Resources	30.04.2018	No Problems Found	
3) Kabir Bin Anwar Secretary Ministry of water Resources	27.05.2018	No Problems Found	
4) Md. Harun-Ar-Rashid Superintending Engineer Rangpur O & M Circle-I BWDB, Rangpur.	06.02.2019	No Problems Found	
5) Md. Mahbubur Rahman Director Program BWDB, Dhaka.	08.03.2019	No Problems Found	
6) Mahmudul Islam Addl. Secretary Ministry of water Resources	14.04.2019	No Problems Found	

Name & designation of the inspecting official	Date of Inspection	Identified Problems	Recommendations
1	2	3	4
(b) <u>IMED</u> : Md. Afjal Hosen Director (Deputy Secretary)	15.01.2018	a) Re-sectioning of embankment has not been started where it was scheduled to start 2016-2017.	a) Re-sectioning of embankment was started after the approval of RDPP and completed on time.
		b) Among 3 packages of dredging 1 package was scheduled to start FY 2015-16. It has not been started yet.	b) Dredging was started after the approval of RDPP and completed on time.
		c) Protective work will be finished on time but dredging and re-sectioning will not be finished within the project time.	c) Dredging and Re-secining work was started after the approval of RDPP and completed on time.
		d) 21 month among 27 month was passed but physical and financial progress was only 41% and 9.27% only which was not satisfactory.	d) project was completed on time with final physical progress 97.00 %.
		b)	

(c) Others: (Please specify)

0.2. Auditing during and after Implementation:

2.1. Internal Audit: Not Conducted.

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



2.2. External Audit:

Audit period	Date of submission of Audit Report	Major findings/ objections	Whether objections resolved or not.
1	2	3	4
2016-17, 2017-18	16-04-2019	• Approval of tender beyond approving authority • Unnecessary manufacturing of Stock pile • Non-tender item and variation • Bill payment without geo-bag dumping	In Processing.

G. DESCRIPTIVE REPORT

1. General Observations/Remarks of the Project on :

1.1 Background:

This project has four major components. Re-sectioning of Teesta right bank in between km 0.00 to km.46.00 =35.00 km., River Bank Protection work (Repair) = 4718 m., River Bank Protection work (new) =5696 m. and Dredging of Teesta river (4.00 km.). The Background of the four components are below:

Re-sectioning of Teesta right bank in between km 0.00 to km.46.00 =35.00 km:

Teesta Right Embankment was constructed during the year 1978-1980. Since the construction of embankment, it had not been repaired or maintained regularly. The section of the embankment got reduced. At many places of the embankment the height of the embankment was lower than the design height. During the flood these location usually tends to get overtopped. To prevent this overtopping emergency work was done during the flood. To solve these problem permanently 35.000 km of length in between Km. 0.000 to Km. 46.500 of Teesta Right Embankment was selected for Re-sectioned / Repaired as per recommendation of technical committee formed vide memo no: বাপাউবো (সচি) পরি-১/বিবিধ-৩/২০১৭ (১ম খন্ড)/২১৩ তারিখঃ ০৬/০৮/২০১৭ খ্রিঃ.

River Bank Protection work (Repair) = 4718 m:

Bank Revetment works at different location of Teesta Right Bank was constructed during the year 1990 to 1992 with sand cement block. The life time of these sand cement block came to end. These protective work had become vulnerable and used to damage regularly. Emergency protective work had been done during the flood at various location regularly. For this permanent work was needed immediately. As per recommendation of technical committee formed vide memo no: বাপাউবো (সচি) পরি-১/বিবিধ-৩/২০১৭ (১ম খন্ড)/২১৩ তারিখঃ ০৬/০৮/২০১৭ খ্রিঃ. total 4718 m of protective work was selected for repairing.

River Bank Protection work (new) =5696 m:

Bangladesh is a riverine country. Most of its river is braided nature. Teesta is one of them. It carries huge amount of sediment. These sediment gets settled and developed char at various location. Flowing water gets obstructed at these chars and these flow hit the bank. As a result river bank erosion occurs at the right bank of Teesta River. Every year during the flood emergency work has been done at various location of teesta right bank. As per recommendation of technical committee formed vide memo no: বাপাউবো (সচি) পরি-১/বিবিধ-৩/২০১৭ (১ম খন্ড)/২১৩ তারিখঃ ০৬/০৮/২০১৭ খ্রিঃ.total 5696 m of protective work was considered for construction.

Dredging of Teesta river (4.00 km.):

Bangladesh is a riverine country. Most of its river is braided nature. Teesta is one of them. It carries huge amount of sediment. These sediment gets settled and developed char at various location. Flowing water gets obstructed at these chars and these flow hit the bank. As a result river bank erosion occurs at the right/ left bank of Teesta River. Dredging was done to ensure free flow of water. Thus it prevents the water from hitting the bank line. As per recommendation of technical committee formed vide memo no: বাপাউবো (সচি) পরি-১/বিবিধ-৩/২০১৭ (১ম খন্ড)/২১৩ তারিখঃ ০৬/০৮/২০১৭ খ্রিঃ.total 4000 m of length was taken for dredging.

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. The monsoon discharge of the major rivers is so large that there is recurrence of floods every year. Sometimes it becomes very severe and causes immense damages impacted by occurrence of devastating river erosion. This has significant social and economic impacts. The loss of land, crop and property has led to landlessness and impoverishment of thousands of dwellers living within bankline/flood-plains. The large seasonal variation in river flow results in varying sediment transportation capacity and causes river-bank erosion, migration of river-bank and meandering river channels. There is a direct relevance of the project to the objectives stated above. Immediate objective of bank protection from river bank erosion and the ultimate objective of safety of lives, properties and its economic impacts will be fulfilled for improved socio-economic and environmental impacts. Gangachara upazila is located on the right bank of Teesta river. Teesta river carries huge amount of sediment every year. When the velocity of water is low these sediment gets settled and char developes. Flowing water gets interrupted in these char & strike on the right bank of Teesta river. Thus intensity of bank line erosion of Teesta right bank has increased. These erosion prone area need protection. Permanent protective work was needed be done. On the other hand Bank Revetment works at different location of Teesta Right Bank was constructed during the year 1990 to 1992 with sand cement block. The life time of these sand cement block came to end. These protective work had become vulnerable and used to damage regularly. So repairing of these protective work was must. On the other hand, Teesta Right Embankment was constructed during the year 1978-1980. Since the construction of embankment, it had not been repaired or maintained regularly. The section of the embankment got reduced. At many places of the embankment the height of the embankment was lower than the design height. During the flood these location usually tends to get overtopped. Rehabilitation of Teesta right embankment was needed. . So, the present DPP has been prepared to protect the erosion of Teesta Right bank in Gangachara and Rangpur Sadar Upazila.

1.3 Objectives:

- To reduce Poverty and hunger for poor people living in the nearby areas of the Teesta River and to ensure more secured livelihood.
- To ensure a sustainable measure for bank protection along the Teesta River with a stable bank line.
- To introduce a flood free zone and thus increasing food production; and
- Directly improve the economic and social situation of the people of the nearby areas' people in a sustainable way.

1.4 Project revision with reasons:

The volume of item of works for re-sectioning of embankment has been increased due to heavy flood in different years including severe flood in 2017 which leads in increase of volume of earthwork. Moreover location & volume of dredging has been changed as per working design which lead in increase in costing and also costing is increased due to latest approved schedule of rate.

On the other hand existing bank protective work (previously completed before 2016) within project area has been damaged due to severe flood in 2017, which needs to be repaired. Otherwise benefit of the project will not be achieved fully also hampering sustainability of the project. As such cost of the project has been increased. For this reason revision of the DPP shall be required. A technical committee formed by BWDB, which visited the project area and submitted a report. As per Technical Committee Recommendation, Embankment Re-Sectioning work= 35.00 km. Dredging work 4.00 km, Protective work (New) = 5896m , Protective work (Repair) = 6007m. RDPP rationalization meeting held on 12.12.2017 in MoWR. According to the decision of rationalization meeting (decision no.4.1) Only the Most vulnerable areas are take into consideration in the RDPP.

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

The proposed project area is situated at Salapak, Dhamur, Singimari, Chilakhal, Hazipara-Paikan, Kachua, Bagdohara, Paikan-Boirati, Gannar par, Bijoy Bandh areas at Gangachara Upazilla in Rangpur District, which is a part of the northwest region of Bangladesh. The project area comprises the belt of unstable alluvial land along the Teesta River where land is constantly being formed and eroded by shifting of river channels. It has an irregular relief of broad and narrow ridges and depressions. The area is occupied by sandy and silty alluvium, rich in weather able K minerals that are slightly alkaline in reaction. The Teesta River is a major international river, ranking in the top five in terms of sediment and water discharge in Bangladesh. This River originates in foot of Himalayas and falls in the Brahmaputra River at Chilmari of Kurigram district through Nilphamari, Lalmonirhat & Rangpur Districts. This river Highly Braided & Steep bed slope River. Because of more sediment carrying there are many high char and the flows flowing very near to The Teesta right bank. For this reason, Salapak, Dhamur, Chilakhal, Hazipara-Paikan, Kachua, Bagdohara, Paikan-Boirati, Gannar par, Bijoy Bandh areas affected by dangerous river erosion. On the other hand the Teesta Right Embankment (TRE) condition is very bad. Different locations of Teesta Right Embankment (TRE) There are no design slope. After construction of

Teesta Right Embankment (TRE) there are no repair & maintenance work done. So repair & maintenance of Teesta Right Embankment (TRE) is necessary. If the above stated locations and Teesta Right Embankment (TRE) can not be protected then in times of flood season the above stated locations will be open and enter water in the country side. On the other hands if the above stated locations and Teesta Right Embankment (TRE) open the confluence flow of Teesta & Ghagot River affect Rangpur Town, Teesta barrage command area, Rangpur cantonment etc. If permanent protection work can be done over The above stated locations then many fertile agricultural land, Colleges, Madrasa, Schools, Teesta Right Embankment (TRE), Households, Mosques, Hat-Bazar, Govt non Govt Organizations can be protected. On the other hand Teesta Right Embankment (TRE) is the only media of movement of thousands of people this locality.

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

◆ Project Identification:

Teesta river carries huge amount of sediment every year. When the velocity of water is low these sediment gets settled and char developes. Flowing water gets interrupted in these char & strike on the right bank of Teesta river. Thus intensity of bank line erosion of Teesta right bank has increased. These erosion prone area need protection. Permanent protective work was needed be done. On the other hand Bank Revetment works at different location of Teesta Right Bank was constructed during the year 1990 to 1992 with sand cement block. The life time of these sand cement block came to end. These protective work had become vulnerable and used to damage regularly. So repairing of these protective work was must. On the other hand, Teesta Right Embankment was constructed during the year 1978-1980. Since the construction of embankment, it had not been repaired or maintained regularly. The section of the embankment got reduced. At many places of the embankment the height of the embankment was lower than the design height. During the flood these location usually tends to get overtopped. Rehabilitation of Teesta right embankment was needed. So, the present DPP has been prepared to protect the erosion of Teesta Right bank in Gangachara and Rangpur Sadar Upazila.

◆ Project Preparation:

A technical committee was formed by the board as per office order of Secretariat of BWDB বাপাউবো (সচি)/পরি-১/বিবিধ-৩/২০০২(৬ষ্ঠ খন্ড)/৯৮ date-9-05-2013 to conduct technical study for the protective work, and re-sectioning of embankment at gangachara and rangpur sadar upazila. The technical committee submitted a report on January, 2014 and recommended to implement bank protective work of 6.726 km from Gangachara Upazila to Rangpur Sadar Upazila and re-sectioning of embankment of 46.50 km (from km.0.000 to km. 46.500). Subsequently as per office order of Secretariat of BWDB বাপাউবো (সচি) পরি-১/বিবিধ-৩/২০১৭ (১ম খন্ড)/২১৩ তারিখঃ ০৬/০৮/২০১৭ স্থিঃ a technical committee is formed. The committee visited the project area and submitted a report on 30.10.2017. The committee suggested for 11.903 km. bank revetment work. 4 km dredging and 35.00 km resectioning of embankment. As per recommendations of the Feasibility Report of the Technical committee Revised DPP is prepared.

◆ Appraisal:

The project was appraised by planning commission for RDPP on 12.03.2018. As per desision of appraisal meeting the RDPP was corrected and sent to the ECNEC for approval the above project.

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- ◆ **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 by ECNEC on 31-05-2016 and subsequent revision RDPP is approved by ECNEC on 18.10.2018

◆ **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 stake holders 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 Gangachara and Rangpur sadar upazila from the erosion of Teesta Right bank.

4.4.2 Indirect:

- Safety of public and government owned assets and natural resources.
- Improvement of socio-economic condition.

4.5 Transfer of Technology and Institutional Building through the project :

Not Applicable.

4.6 Employment generation through the project:

A large number of 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 protecting the river bank erosion, the threat on the living community being landless and homeless will be eradicated and therefore the economy of the local people will not be adversely affected. 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. 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 following benefits in compatible strategic goal i.e, a) reduction of vulnerability to water related disaster, b) manage erosion of major river and protect large and small towns of poverty alleviation as per PRS:

- (1) The Project ensures immovable property of total worth of taka 70412.50 lakh.
- (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 territory 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

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

5.1	Project Management	:	N/A
5.2	Project Director	:	N/A
5.3	Land Acquisition	:	N/A
5.4	Procurement	:	N/A
5.5	Consultancy	:	N/A
5.6	Contractor	:	Moshiur Rahman Chowdhury (contractor of package no 17) and DC-RB (JV) (contractor of package no 17) these two contractors failed to execute the work according to the time bar ratio. Several times BWDB official correspondence to submit re-schedule & improve work progress accordingly. The contractor failed to submit time bar schedule as per agreement & could not improve the progress in respect of completion period. In this reason total required work was not completed in time. As per agreement penalty was imposed to the contractor within the contractual provision.
5.7	Manpower	:	N/A
5.8	law & Order	:	N/A
5.9	Natural calamity	:	N/A
5.10	Project financing, allocation and release.	:	N/A
5.11	Design formulation/approval	:	N/A
5.12	Project aid disbursement and re-imbursment	:	N/A
5.13	Mission of the development partners.	:	N/A
5.14	Time & Cost Over-run	:	N/A
5.15	Project Supervision/Inspection	:	N/A
5.16	Delay in Decision	:	N/A
5.17	Transport	:	N/A
5.18	Training	:	N/A
5.19	Approval	:	N/A
5.20	Others.:	:	Eviction of illegal establishment / structure on the Teesta Right Embankment couldn't done on time. For this reason re-sectioning of length 2.00 km of Teesta Right Embankment couldn't be completed.



6. Remarks & Recommendations of the Project Director:

To Save Gangachara and Rangpur Sadar Upazila from continuous erosion along the Right bank of Teesta river, it was necessary to construct permanent protective work. A total of 10414 meter (4696 m repair & 5696 m new) permanent protective work has been completed under this project. This permanent protective work will save surrounding area's physical infrastructure such as government & primary school, high school, college, Madrasha, mosque, homestead, market, fishery and poultry farms, cultivable land, bridge, previous protective works and other private & public properties.

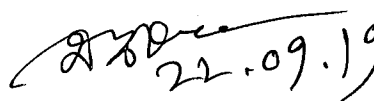
According to the approved RDPP, 35.000 km of Teesta Right embankment was proposed for resectioning. There were huge number of illegal establishment / structure in the Teesta Right Embankment. Notice for several times was issued to the illegal residence. Total length of 33.000 km from 35.000 km was evicted from illegal establishment. In spite of asking administrative help, eviction of illegal establishment of 2.00 km couldn't be done on time. Re-sectioning of these 2.000 km with rest 11.500 km (from Km 0.00 to km 46.500) will be done later with NDR Budget.

During the Implementation period of the project members of different committees & monitoring authorities visited project site and gave their opinions which has help implementation of the project within project period. Project was implemented properly following respective design, drawing and specification. The quantity and quality of CC Block, Sand filled Geo-bag etc. were ensured by Task force committee of BWDB and concerned officials of BWDB.

After the successful implementation of this project Gangachara and Rangpur Sadar Upazila of Rangpur District have been protected from river erosion and the river bank erosion problem along the right bank of Teesta river have been mitigated. As such the safety of flood control embankment, human livelihood and properties have been increased.

Recommendation:

Proper monitoring and regular maintenance of the implemented revetment works are required for more sustainability of the project.



(Md. Harun-Ar-Rashid)

Project Director

&

Superintending Engineer

Rangpur O&M Circle-1

BWDB, Rangpur.

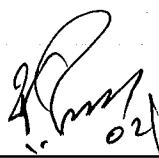
Date :

Signature and seal of the Project Director/Manager

7. Remarks/Comments of Agency Head

River bank protection work on right bank of Teesta river in Gangachana and Rangpur Sadar upazilla in Rangpur district was implemented under this project. Because of the implementation of protective work, a stable river bank line has been developed. Also, re-sectioning of existing embankment has provided safety to 1500 ha. agricultural land from flood. Thus, this project contributes to the socio-economic development of inhabitants due to the alleviation of poverty.

Date :


Signature and Seal

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

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

Date :

Signature and Seal

